Astrodienst Ephemeris Tables

from the year 1250 for 50 years

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

ASTRODIENST EPHEMERIS for the year 1250
geocentric

JANUARY 1250 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 10 7	18♑ 7'41	5♐41	14♑21	1♐20	2♊10	26♑31	1♐22	28♒38	6°R14	15♏30	22°R 2	20♏30	16♓43	6°R32	S 1
S 2	7 14 4	19° 8'48	18°47	16° 0	2°20	2°11	26°45	1°27	28°40	6♋12	15°32	21♏58	20°27	16°50	6♉32	S 2
M 3	7 18 0	20° 9'54	1♑42	17°39	3°21	2°12	26°59	1°33	28°43	6°11	15°33	21°52	20°24	16°57	6°31	M 3
T 4	7 21 57	21°11'00	14°26	19°19	4°21	2°14	27°13	1°38	28°46	6° 9	15°34	21°44	20°20	17° 3	6°31	T 4
W 5	7 25 53	22°12'05	26°59	21° 0	5°22	2°18	27°27	1°44	28°49	6° 7	15°35	21°33	20°17	17°10	6°31	W 5
T 6	7 29 50	23°13'09	9♒21	22°41	6°24	2°21	27°42	1°49	28°52	6° 6	15°37	21°21	20°14	17°17	6°31	T 6
F 7	7 33 46	24°14'12	21°32	24°23	7°25	2°26	27°56	1°54	28°55	6° 4	15°38	21° 8	20°11	17°24	6°30	F 7
S 8	7 37 43	25°15'13	3♓34	26° 5	8°28	2°31	28°10	1°59	28°58	6° 3	15°39	20°57	20° 8	17°30	6°D30	S 8
S 9	7 41 40	26°16'14	15°29	27°48	9°30	2°37	28°24	2° 4	29° 1	6° 1	15°40	20°47	20° 4	17°37	6°30	S 9
M10	7 45 36	27°17'14	27°19	29°32	10°33	2°44	28°39	2° 9	29° 4	5°59	15°41	20°40	20° 1	17°44	6°31	M10
T 11	7 49 33	28°18'12	9♈ 8	1♒16	11°36	2°51	28°53	2°14	29° 7	5°58	15°42	20°36	19°58	17°50	6°31	T 11
W12	7 53 29	29°19'09	21° 2	3° 1	12°39	2°59	29° 7	2°19	29°10	5°56	15°43	20°34	19°55	17°57	6°31	W12
T 13	7 57 26	0♒20'05	3♉ 5	4°46	13°43	3° 7	29°21	2°24	29°13	5°55	15°44	20°D34	19°52	18° 4	6°31	T 13
F 14	8 1 22	1°20'59	15°22	6°32	14°47	3°16	29°36	2°29	29°16	5°53	15°45	20°R34	19°49	18°10	6°32	F 14
S 15	8 5 19	2°21'53	27°59	8°19	15°51	3°26	29°50	2°33	29°20	5°52	15°46	20°34	19°45	18°17	6°32	S 15
S 16	8 9 15	3°22'44	11♊ 1	10° 6	16°56	3°36	0♒ 4	2°38	29°23	5°50	15°47	20°32	19°42	18°24	6°33	S 16
M17	8 13 12	4°23'35	24°30	11°53	18° 1	3°47	0°18	2°43	29°26	5°49	15°48	20°28	19°39	18°31	6°33	M17
T 18	8 17 9	5°24'23	8♋29	13°40	19° 6	3°59	0°33	2°47	29°29	5°47	15°49	20°21	19°36	18°37	6°34	T 18
W19	8 21 5	6°25'11	22°53	15°28	20°11	4°11	0°47	2°51	29°32	5°46	15°50	20°12	19°33	18°44	6°34	W19
T 20	8 25 2	7°25'57	7♌39	17°15	21°16	4°24	1° 1	2°56	29°36	5°45	15°50	20° 1	19°30	18°51	6°35	T 20
F 21	8 28 58	8°26'42	22°39	19° 3	22°22	4°37	1°15	3° 0	29°39	5°43	15°51	19°49	19°26	18°57	6°36	F 21
S 22	8 32 55	9°27'25	7♍41	20°50	23°28	4°50	1°29	3° 4	29°42	5°42	15°52	19°38	19°23	19° 4	6°37	S 22
S 23	8 36 51	10°28'07	22°38	22°36	24°34	5° 5	1°44	3° 8	29°45	5°41	15°53	19°30	19°20	19°11	6°38	S 23
M24	8 40 48	11°28'48	7♎20	24°22	25°41	5°19	1°58	3°12	29°49	5°39	15°53	19°23	19°17	19°18	6°39	M24
T 25	8 44 44	12°29'28	21°43	26° 6	26°47	5°34	2°12	3°16	29°52	5°38	15°54	19°20	19°14	19°24	6°40	T 25
W26	8 48 41	13°30'07	5♏44	27°49	27°54	5°50	2°26	3°20	29°55	5°37	15°54	19°19	19°10	19°31	6°41	W26
T 27	8 52 37	14°30'44	19°24	29°30	29° 1	6° 6	2°40	3°24	29°59	5°35	15°55	19°19	19° 7	19°38	6°42	T 27
F 28	8 56 34	15°31'21	2♐44	1♓ 8	0♑ 8	6°23	2°54	3°27	0♓ 2	5°34	15°55	19°19	19° 4	19°44	6°43	F 28
S 29	9 0 31	16°31'56	15°46	2°44	1°16	6°40	3° 8	3°31	0° 5	5°33	15°56	19°17	19° 1	19°51	6°45	S 29
S 30	9 4 27	17°32'30	28°35	4°15	2°23	6°57	3°22	3°34	0° 9	5°32	15°56	19°12	18°58	19°58	6°46	S 30
M31	9 8 24	18♒33'02	11♑11	5♓43	3♑31	7♊15	3♒36	3♐38	0♓12	5♋31	15♏57	19♏ 5	18♏55	20♓ 4	6♉48	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s18	20s 9	1n13	24s35	1s51	16s53	3n42	23n24	2n47	21s25	0s29	18s45	1n48	12s41	0s44	22n32	0s52	2s54	14n14	18s21	17s57	1s 1	12n15	1s35
S 2	22 10	20 46	2 18	24 27	1 54	17 7	3 40	23 24	2 47	21 22	0 29	18 46	1 48	12 40	0 44	22 32	0 52	2 54	14 15	18 20	17 56	0 58	12 15	1 35
M 3	22 1	20 16	3 15	24 17	1 56	17 20	3 39	23 24	2 46	21 19	0 29	18 47	1 48	12 39	0 44	22 32	0 52	2 54	14 15	18 18	17 55	0 56	12 15	1 35
T 4	21 52	18 44	4 2	24 5	1 58	17 33	3 37	23 24	2 46	21 17	0 29	18 48	1 48	12 38	0 44	22 32	0 52	2 54	14 15	18 16	17 54	0 54	12 15	1 35
W 5	21 42	16 20	4 36	23 52	2 0	17 45	3 35	23 25	2 46	21 14	0 29	18 49	1 48	12 37	0 44	22 32	0 52	2 54	14 16	18 13	17 53	0 52	12 15	1 35
T 6	21 32	13 13	4 56	23 37	2 2	17 58	3 33	23 25	2 46	21 11	0 29	18 50	1 49	12 36	0 44	22 32	0 52	2 54	14 16	18 10	17 52	0 49	12 15	1 35
F 7	21 21	9 36	5 3	23 21	2 3	18 10	3 31	23 26	2 45	21 8	0 29	18 51	1 49	12 35	0 44	22 32	0 52	2 54	14 17	18 7	17 52	0 47	12 15	1 35
S 8	21 10	5 39	4 56	23 2	2 4	18 22	3 29	23 26	2 45	21 6	0 29	18 52	1 49	12 34	0 44	22 32	0 52	2 54	14 17	18 4	17 51	0 45	12 15	1 35
S 9	20 59	1 31	4 36	22 43	2 4	18 34	3 26	23 27	2 45	21 3	0 30	18 53	1 49	12 33	0 44	22 32	0 52	2 54	14 17	18 1	17 50	0 43	12 15	1 35
M10	20 47	2n39	4 4	22 21	2 4	18 45	3 24	23 28	2 44	21 0	0 30	18 54	1 49	12 32	0 44	22 32	0 51	2 54	14 18	17 59	17 49	0 40	12 15	1 35
T 11	20 35	6 43	3 22	21 58	2 3	18 56	3 21	23 29	2 44	20 57	0 30	18 55	1 49	12 31	0 44	22 33	0 51	2 54	14 18	17 58	17 48	0 38	12 15	1 35
W12	20 22	10 33	2 30	21 33	2 2	19 7	3 19	23 30	2 43	20 54	0 30	18 56	1 49	12 29	0 44	22 33	0 51	2 53	14 19	17 58	17 47	0 36	12 15	1 35
T 13	20 10	14 1	1 32	21 6	2 1	19 18	3 16	23 32	2 43	20 51	0 30	18 56	1 49	12 28	0 44	22 33	0 51	2 53	14 19	17 58	17 46	0 34	12 15	1 35
F 14	19 56	16 57	0 28	20 38	1 59	19 28	3 13	23 33	2 42	20 48	0 30	18 57	1 49	12 27	0 44	22 33	0 51	2 53	14 19	17 58	17 46	0 31	12 15	1 35
S 15	19 43	19 9	0s39	20 8	1 56	19 38	3 10	23 34	2 42	20 45	0 30	18 58	1 49	12 26	0 44	22 33	0 51	2 53	14 20	17 58	17 45	0 29	12 15	1 35
S 16	19 29	20 26	1 46	19 36	1 53	19 47	3 7	23 36	2 41	20 43	0 30	18 59	1 50	12 25	0 44	22 33	0 51	2 53	14 20	17 57	17 44	0 27	12 15	1 35
M17	19 14	20 36	2 50	19 3	1 49	19 57	3 4	23 37	2 41	20 40	0 30	19 0	1 50	12 24	0 44	22 33	0 51	2 53	14 21	17 56	17 43	0 25	12 16	1 35
T 18	19 0	19 31	3 45	18 28	1 45	20 5	3 0	23 39	2 40	20 37	0 30	19 0	1 50	12 23	0 44	22 33	0 51	2 53	14 21	17 54	17 42	0 23	12 16	1 35
W19	18 45	17 11	4 28	17 52	1 40	20 14	2 57	23 41	2 40	20 34	0 31	19 1	1 50	12 22	0 44	22 33	0 51	2 52	14 21	17 52	17 41	0 20	12 16	1 35
T 20	18 29	13 42	4 54	17 14	1 35	20 21	2 54	23 43	2 39	20 31	0 31	19 2	1 50	12 20	0 44	22 33	0 51	2 52	14 22	17 49	17 40	0 18	12 16	1 35
F 21	18 13	9 17	5 0	16 34	1 28	20 29	2 50	23 45	2 39	20 28	0 31	19 2	1 50	12 19	0 44	22 33	0 51	2 52	14 22	17 46	17 40	0 16	12 17	1 35
S 22	17 57	4 18	4 46	15 54	1 21	20 36	2 47	23 47	2 38	20 25	0 31	19 3	1 50	12 18	0 44	22 34	0 51	2 52	14 23	17 43	17 39	0 14	12 17	1 35
S 23	17 41	0s56	4 12	15 12	1 14	20 42	2 43	23 49	2 37	20 21	0 31	19 4	1 50	12 17	0 44	22 34	0 51	2 52	14 23	17 40	17 38	0 11	12 17	1 35
M24	17 24	6 1	3 22	14 29	1 5	20 48	2 40	23 51	2 37	20 18	0 31	19 4	1 50	12 16	0 44	22 34	0 51	2 51	14 24	17 39	17 37	0 9	12 18	1 35
T 25	17 7	10 40	2 20	13 45	0 56	20 54	2 36	23 53	2 36	20 15	0 31	19 5	1 51	12 15	0 44	22 34	0 51	2 51	14 24	17 38	17 36	0 7	12 18	1 35
W26	16 50	14 36	1 11	13 0	0 46	20 59	2 32	23 55	2 36	20 12	0 31	19 6	1 51	12 13	0 44	22 34	0 51	2 51	14 24	17 38	17 35	0 5	12 18	1 35
T 27	16 33	17 38	0n 0	12 15	0 36	21 4	2 28	23 57	2 35	20 9	0 31	19 6	1 51	12 12	0 44	22 34	0 51	2 50	14 25	17 38	17 34	0 3	12 19	1 35
F 28	16 15	19 38	1 10	11 30	0 25	21 8	2 25	24 0	2 34	20 6	0 31	19 7	1 51	12 11	0 44	22 34	0 51	2 50	14 25	17 37	17 33	0 0	12 19	1 35
S 29	15 57	20 32	2 15	10 44	0 13	21 11	2 21	24 2	2 34	20 3	0 32	19 7	1 51	12 10	0 44	22 34	0 51	2 50	14 26	17 37	17 33	0n 2	12 20	1 35
S 30	15 38	20 20	3 11	9 59	0n 0	21 14	2 17	24 4	2 33	20 0	0 32	19 8	1 51	12 9	0 44	22 34	0 51	2 50	14 26	17 36	17 32	0 4	12 20	1 35
M31	15s20	19s 7	3n57	9s15	0n13	21s17	2n13	24n 7	2n33	19s56	0s32	19s 8	1n51	12s 7	0s44	22n34	0s51	2s49	14n27	17s34	17s31	0n 6	12n21	1s35

Julian Day Number = 2177620.5, Delta T = 11m46s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'53, Lahiri = 13°23'53 Julian Calendar 1 Jan. 1250 == Greg. Calendar 8 Jan. 1250

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ASTRODIENST EPHEMERIS for the year 1250
geocentric

FEBRUARY 1250 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 12 20	19♒33'34	23♉37	7♓ 6	4♉38	7♊33	3♒50	3♐41	0♓16	5°R29	15♏57	18°R54	18♏51	20♓11	6♉49	T 1
W 2	9 16 17	20°34'03	5♒55	8°24	5°46	7°52	4° 4	3°44	0°19	5♋28	15°57	18♏41	18°48	20°18	6°51	W 2
T 3	9 20 13	21°34'31	18° 4	9°35	6°55	8°11	4°18	3°47	0°22	5°27	15°57	18°26	18°45	20°25	6°52	T 3
F 4	9 24 10	22°34'57	0♓ 7	10°40	8° 3	8°30	4°32	3°50	0°26	5°26	15°58	18°12	18°42	20°31	6°54	F 4
S 5	9 28 6	23°35'21	12° 3	11°37	9°11	8°50	4°46	3°53	0°29	5°25	15°58	17°58	18°39	20°38	6°56	S 5
S 6	9 32 3	24°35'44	23°55	12°27	10°20	9°10	5° 0	3°56	0°33	5°24	15°58	17°46	18°35	20°45	6°58	S 6
M 7	9 36 0	25°36'05	5♈44	13° 8	11°28	9°31	5°14	3°59	0°36	5°23	15°58	17°36	18°32	20°51	6°59	M 7
T 8	9 39 56	26°36'23	17°33	13°40	12°37	9°52	5°28	4° 2	0°40	5°22	15°58	17°30	18°29	20°58	7° 1	T 8
W 9	9 43 53	27°36'40	29°26	14° 2	13°46	10°13	5°41	4° 4	0°43	5°21	15°58	17°27	18°26	21° 5	7° 3	W 9
T 10	9 47 49	28°36'55	11♉27	14°15	14°55	10°34	5°55	4° 7	0°47	5°20	15°R58	17°25	18°23	21°11	7° 5	T 10
F 11	9 51 46	29°37'08	23°41	14°R19	16° 4	10°56	6° 9	4° 9	0°50	5°20	15°58	17°25	18°20	21°18	7° 7	F 11
S 12	9 55 42	0♓37'18	6♊13	14°13	17°13	11°19	6°22	4°11	0°53	5°19	15°58	17°25	18°16	21°25	7°10	S 12
S 13	9 59 39	1°37'27	19° 9	13°57	18°22	11°41	6°36	4°14	0°57	5°18	15°58	17°24	18°13	21°32	7°12	S 13
M14	10 3 35	2°37'33	2♋33	13°33	19°32	12° 4	6°50	4°16	1° 0	5°17	15°58	17°21	18°10	21°38	7°14	M14
T 15	10 7 32	3°37'38	16°27	13° 1	20°41	12°27	7° 3	4°18	1° 4	5°16	15°58	17°15	18° 7	21°45	7°16	T 15
W16	10 11 29	4°37'40	0♌50	12°21	21°51	12°50	7°17	4°20	1° 7	5°16	15°58	17° 7	18° 4	21°52	7°19	W16
T 17	10 15 25	5°37'40	15°41	11°35	23° 0	13°14	7°30	4°21	1°11	5°15	15°57	16°57	18° 1	21°58	7°21	T 17
F 18	10 19 22	6°37'37	0♍50	10°44	24°10	13°38	7°43	4°23	1°14	5°14	15°57	16°46	17°57	22° 5	7°24	F 18
S 19	10 23 18	7°37'33	16° 7	9°49	25°20	14° 2	7°57	4°25	1°17	5°14	15°57	16°36	17°54	22°12	7°26	S 19
S 20	10 27 15	8°37'27	1♎23	8°51	26°30	14°27	8°10	4°26	1°21	5°13	15°56	16°28	17°51	22°18	7°29	S 20
M21	10 31 11	9°37'19	16°24	7°52	27°40	14°52	8°23	4°28	1°24	5°13	15°56	16°22	17°48	22°25	7°31	M21
T 22	10 35 8	10°37'09	1♏ 5	6°53	28°50	15°16	8°36	4°29	1°28	5°12	15°56	16°19	17°45	22°32	7°34	T 22
W23	10 39 4	11°36'58	15°21	5°55	29°59	15°42	8°50	4°30	1°31	5°12	15°55	16°D18	17°41	22°39	7°37	W23
T 24	10 43 1	12°36'45	29°10	5° 0	1♒10	16° 7	9° 3	4°31	1°35	5°11	15°55	16°19	17°38	22°45	7°39	T 24
F 25	10 46 58	13°36'30	12♐34	4° 9	2°21	16°33	9°16	4°32	1°38	5°11	15°54	16°R19	17°35	22°52	7°42	F 25
S 26	10 50 54	14°36'13	25°35	3°22	3°31	16°59	9°29	4°33	1°41	5°10	15°54	16°18	17°32	22°59	7°45	S 26
S 27	10 54 51	15°35'55	8♉17	2°40	4°41	17°25	9°42	4°34	1°45	5°10	15°53	16°16	17°29	23° 5	7°48	S 27
M28	10 58 47	16♓35'35	20♉44	2♓ 3	5♒52	17♊51	9♒54	4♐35	1♓48	5♋10	15♏53	16♏11	17♏26	23♓12	7♉51	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 1	17s 0	4n31	8s31	0n27	21s19	2n 9	24n 9	2n32	19s53	0s32	19s 9	1n51	12s 6	0s44	22n34	0s51	2s49	14n27	17s31	17s30	0n 8	12n21	1s35
W 2	14 42	14 9	4 52	7 49	0 42	21 20	2 5	24 12	2 31	19 50	0 32	19 9	1 51	12 5	0 44	22 34	0 51	2 49	14 27	17 27	17 29	0 11	12 22	1 35
T 3	14 22	10 43	4 59	7 8	0 56	21 21	2 1	24 14	2 31	19 47	0 32	19 10	1 52	12 4	0 44	22 35	0 51	2 48	14 28	17 23	17 28	0 13	12 22	1 35
F 4	14 2	6 54	4 53	6 30	1 11	21 21	1 57	24 17	2 30	19 44	0 32	19 10	1 52	12 3	0 44	22 35	0 51	2 48	14 28	17 19	17 27	0 15	12 23	1 35
S 5	13 43	2 51	4 34	5 54	1 27	21 21	1 52	24 19	2 29	19 40	0 32	19 11	1 52	12 1	0 44	22 35	0 51	2 48	14 29	17 15	17 26	0 17	12 23	1 35
S 6	13 23	1n17	4 3	5 21	1 42	21 20	1 48	24 22	2 29	19 37	0 32	19 11	1 52	12 0	0 43	22 35	0 51	2 47	14 29	17 12	17 26	0 19	12 24	1 35
M 7	13 2	5 22	3 21	4 51	1 57	21 18	1 44	24 24	2 28	19 34	0 33	19 12	1 52	11 59	0 43	22 35	0 51	2 47	14 30	17 9	17 25	0 22	12 24	1 35
T 8	12 42	9 14	2 31	4 25	2 12	21 16	1 40	24 27	2 28	19 31	0 33	19 12	1 52	11 58	0 43	22 35	0 51	2 46	14 30	17 7	17 24	0 24	12 25	1 35
W 9	12 21	12 47	1 34	4 3	2 26	21 14	1 36	24 29	2 27	19 27	0 33	19 12	1 52	11 56	0 43	22 35	0 51	2 46	14 30	17 6	17 23	0 26	12 26	1 35
T 10	12 0	15 50	0 32	3 45	2 40	21 11	1 32	24 32	2 26	19 24	0 33	19 13	1 53	11 55	0 43	22 35	0 51	2 46	14 31	17 6	17 22	0 28	12 26	1 35
F 11	11 39	18 14	0s33	3 32	2 53	21 7	1 28	24 35	2 26	19 21	0 33	19 13	1 53	11 54	0 43	22 35	0 51	2 45	14 31	17 6	17 21	0 30	12 27	1 35
S 12	11 18	19 49	1 38	3 23	3 5	21 3	1 23	24 37	2 25	19 17	0 33	19 13	1 53	11 53	0 44	22 35	0 51	2 45	14 32	17 6	17 20	0 33	12 28	1 35
S 13	10 56	20 26	2 40	3 20	3 16	20 58	1 19	24 40	2 24	19 14	0 33	19 13	1 53	11 52	0 43	22 35	0 50	2 44	14 32	17 6	17 19	0 35	12 29	1 35
M14	10 35	19 56	3 35	3 20	3 25	20 52	1 15	24 42	2 24	19 11	0 33	19 14	1 53	11 50	0 43	22 35	0 50	2 44	14 33	17 5	17 19	0 37	12 29	1 35
T 15	10 13	18 13	4 20	3 26	3 32	20 46	1 11	24 44	2 23	19 7	0 34	19 14	1 53	11 49	0 43	22 35	0 50	2 43	14 33	17 3	17 18	0 39	12 30	1 35
W16	9 51	15 20	4 50	3 36	3 38	20 40	1 7	24 47	2 22	19 4	0 34	19 14	1 53	11 48	0 43	22 35	0 50	2 43	14 33	17 1	17 17	0 41	12 31	1 35
T 17	9 29	11 23	5 2	3 50	3 42	20 32	1 2	24 49	2 22	19 1	0 34	19 14	1 53	11 47	0 44	22 36	0 50	2 43	14 34	16 58	17 16	0 44	12 32	1 35
F 18	9 7	6 39	4 53	4 8	3 43	20 25	0 58	24 52	2 21	18 58	0 34	19 15	1 54	11 45	0 44	22 36	0 50	2 42	14 34	16 55	17 15	0 46	12 32	1 35
S 19	8 45	1 27	4 23	4 29	3 43	20 16	0 54	24 54	2 20	18 54	0 34	19 15	1 54	11 44	0 44	22 36	0 50	2 42	14 35	16 52	17 14	0 48	12 33	1 35
S 20	8 22	3s50	3 35	4 53	3 40	20 7	0 50	24 56	2 20	18 51	0 34	19 15	1 54	11 43	0 44	22 36	0 50	2 41	14 35	16 50	17 13	0 50	12 34	1 35
M21	8 0	8 49	2 32	5 19	3 36	19 58	0 46	24 58	2 19	18 48	0 34	19 15	1 54	11 42	0 44	22 36	0 50	2 41	14 35	16 48	17 12	0 52	12 35	1 35
T 22	7 37	13 9	1 20	5 47	3 30	19 48	0 42	25 1	2 18	18 44	0 35	19 15	1 54	11 40	0 44	22 36	0 50	2 40	14 36	16 47	17 11	0 54	12 36	1 35
W23	7 14	16 35	0 5	6 15	3 21	19 37	0 38	25 3	2 18	18 41	0 35	19 15	1 54	11 39	0 44	22 36	0 50	2 40	14 36	16 47	17 11	0 57	12 37	1 35
T 24	6 51	18 57	1n 8	6 44	3 12	19 26	0 34	25 5	2 17	18 38	0 35	19 15	1 54	11 38	0 44	22 36	0 50	2 39	14 37	16 47	17 10	0 59	12 37	1 35
F 25	6 28	20 9	2 15	7 13	3 1	19 14	0 30	25 7	2 17	18 34	0 35	19 15	1 55	11 37	0 44	22 36	0 50	2 39	14 37	16 47	17 9	1 1	12 38	1 35
S 26	6 5	20 14	3 14	7 42	2 48	19 2	0 26	25 9	2 16	18 31	0 35	19 15	1 55	11 36	0 44	22 36	0 50	2 38	14 37	16 47	17 8	1 3	12 39	1 35
S 27	5 42	19 16	4 1	8 9	2 35	18 49	0 22	25 11	2 15	18 28	0 35	19 15	1 55	11 34	0 44	22 36	0 50	2 38	14 38	16 46	17 7	1 5	12 40	1 35
M28	5s19	17s23	4n35	8s35	2n21	18s35	0n18	25n13	2n15	18s24	0s35	19s15	1n55	11s33	0s44	22n36	0s50	2s37	14n38	16s45	17s 6	1n 8	12n41	1s35

Julian Day Number = 2177651.5, Delta T = 11m46s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°16'57, Lahiri = 13°23'58 Julian Calendar 1 Feb. 1250 == Greg. Calendar 8 Feb. 1250

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ASTRODIENST EPHEMERIS for the year 1250
geocentric

MARCH 1250 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 2 44	17♓35'13	2♒59	1°R32	7♒ 3	18♊18	10♒ 7	4♐36	1♓51	5°R 9	15°R52	16°R 3	17♏22	23♓19	7♉54	T 1
W 2	11 6 40	18°34'49	15° 6	1♓ 8	8°13	18°44	10°20	4°36	1°55	5♋ 9	15♏51	15♏54	17°19	23°25	7°57	W 2
T 3	11 10 37	19°34'24	27° 5	0°49	9°24	19°11	10°33	4°36	1°58	5° 9	15°51	15°43	17°16	23°32	8° 0	T 3
F 4	11 14 33	20°33'56	9♓ 0	0°37	10°35	19°39	10°45	4°37	2° 1	5° 9	15°50	15°32	17°13	23°39	8° 3	F 4
S 5	11 18 30	21°33'26	20°52	0°31	11°46	20° 6	10°58	4°37	2° 5	5° 9	15°49	15°21	17°10	23°46	8° 6	S 5
S 6	11 22 27	22°32'54	2♈42	0°D30	12°56	20°34	11°10	4°37	2° 8	5° 8	15°48	15°12	17° 6	23°52	8° 9	S 6
M 7	11 26 23	23°32'20	14°31	0°36	14° 7	21° 1	11°22	4°R37	2°11	5° 8	15°48	15° 6	17° 3	23°59	8°13	M 7
T 8	11 30 20	24°31'44	26°24	0°47	15°18	21°29	11°35	4°37	2°15	5° 8	15°47	15° 1	17° 0	24° 6	8°16	T 8
W 9	11 34 16	25°31'05	8♉20	1° 3	16°29	21°57	11°47	4°37	2°18	5°D 8	15°46	14°59	16°57	24°12	8°19	W 9
T 10	11 38 13	26°30'25	20°25	1°24	17°41	22°26	11°59	4°37	2°21	5° 8	15°45	14°D59	16°54	24°19	8°22	T 10
F 11	11 42 9	27°29'42	2♊41	1°50	18°52	22°54	12°11	4°36	2°24	5° 8	15°44	15° 0	16°51	24°26	8°26	F 11
S 12	11 46 6	28°28'57	15°14	2°20	20° 3	23°23	12°23	4°36	2°27	5° 8	15°43	15° 2	16°47	24°32	8°29	S 12
S 13	11 50 2	29°28'09	28° 7	2°55	21°14	23°51	12°35	4°35	2°31	5° 8	15°42	15°R 2	16°44	24°39	8°33	S 13
M14	11 53 59	0♈27'19	11♋24	3°34	22°25	24°20	12°47	4°35	2°34	5° 9	15°41	15° 2	16°41	24°46	8°36	M14
T 15	11 57 55	1°26'27	25° 8	4°16	23°37	24°49	12°59	4°34	2°37	5° 9	15°40	14°59	16°38	24°52	8°40	T 15
W16	12 1 52	2°25'32	9♌21	5° 2	24°48	25°19	13°10	4°33	2°40	5° 9	15°39	14°55	16°35	24°59	8°43	W16
T 17	12 5 49	3°24'35	24° 0	5°52	25°59	25°48	13°22	4°32	2°43	5° 9	15°38	14°50	16°32	25° 6	8°47	T 17
F 18	12 9 45	4°23'36	9♍ 1	6°44	27°11	26°17	13°33	4°31	2°46	5°10	15°37	14°44	16°28	25°13	8°50	F 18
S 19	12 13 42	5°22'34	24°15	7°40	28°22	26°47	13°45	4°30	2°49	5°10	15°36	14°38	16°25	25°19	8°54	S 19
S 20	12 17 38	6°21'30	9♎31	8°39	29°34	27°17	13°56	4°29	2°52	5°10	15°34	14°33	16°22	25°26	8°58	S 20
M21	12 21 35	7°20'24	24°40	9°40	0♓45	27°47	14° 7	4°27	2°55	5°11	15°33	14°30	16°19	25°33	9° 2	M21
T 22	12 25 31	8°19'17	9♏31	10°45	1°57	28°17	14°18	4°26	2°58	5°11	15°32	14°D29	16°16	25°39	9° 5	T 22
W23	12 29 28	9°18'07	23°59	11°51	3° 8	28°47	14°29	4°24	3° 1	5°11	15°31	14°29	16°12	25°46	9° 9	W23
T 24	12 33 24	10°16'56	8♐ 1	13° 0	4°20	29°17	14°40	4°23	3° 4	5°12	15°29	14°30	16° 9	25°53	9°13	T 24
F 25	12 37 21	11°15'43	21°34	14°12	5°32	29°48	14°51	4°21	3° 7	5°12	15°28	14°32	16° 6	25°59	9°17	F 25
S 26	12 41 18	12°14'28	4♑42	15°25	6°43	0♋18	15° 2	4°19	3°10	5°13	15°27	14°33	16° 3	26° 6	9°20	S 26
S 27	12 45 14	13°13'11	17°27	16°41	7°55	0°49	15°13	4°17	3°13	5°14	15°26	14°R33	16° 0	26°13	9°24	S 27
M28	12 49 11	14°11'53	29°54	17°59	9° 7	1°20	15°23	4°15	3°15	5°14	15°24	14°32	15°57	26°19	9°28	M28
T 29	12 53 7	15°10'33	12♒ 6	19°19	10°19	1°51	15°34	4°13	3°18	5°15	15°23	14°29	15°53	26°26	9°32	T 29
W30	12 57 4	16° 9'11	24° 7	20°41	11°30	2°22	15°44	4°11	3°21	5°16	15°21	14°26	15°50	26°33	9°36	W30
T 31	13 1 0	17♈ 7'47	6♓ 1	22♓ 5	12♓42	2♋53	15♒54	4♐ 9	3♓24	5♋16	15♏20	14♏21	15♏47	26♓40	9♉40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s55	14s45	4n57	9s 0	2n 7	18s21	0n14	25n15	2n14	18s21	0s36	19s15	1n55	11s32	0s44	22n36	0s50	2s37	14n39	16s43	17s 5	1n10	12n42	1s35
W 2	4 32	11 31	5 4	9 22	1 52	18 7	0 10	25 16	2 13	18 18	0 36	19 15	1 55	11 31	0 44	22 36	0 50	2 36	14 39	16 40	17 4	1 12	12 43	1 35
T 3	4 9	7 51	4 59	9 43	1 37	17 52	0 7	25 18	2 13	18 14	0 36	19 15	1 55	11 30	0 44	22 36	0 50	2 36	14 39	16 37	17 3	1 14	12 44	1 35
F 4	3 45	3 54	4 40	10 1	1 22	17 36	0 3	25 19	2 12	18 11	0 36	19 15	1 56	11 28	0 44	22 36	0 50	2 35	14 40	16 33	17 2	1 16	12 45	1 35
S 5	3 22	0n10	4 9	10 17	1 7	17 21	0s 1	25 21	2 11	18 8	0 36	19 15	1 56	11 27	0 44	22 36	0 50	2 34	14 40	16 30	17 2	1 18	12 46	1 35
S 6	2 58	4 14	3 27	10 31	0 53	17 4	0 4	25 22	2 11	18 4	0 36	19 15	1 56	11 26	0 44	22 36	0 50	2 34	14 40	16 28	17 1	1 21	12 47	1 35
M 7	2 35	8 9	2 36	10 43	0 38	16 47	0 8	25 24	2 10	18 1	0 36	19 15	1 56	11 25	0 44	22 36	0 50	2 33	14 41	16 26	17 0	1 23	12 48	1 35
T 8	2 11	11 45	1 39	10 52	0 24	16 30	0 12	25 25	2 10	17 58	0 37	19 15	1 56	11 24	0 44	22 36	0 50	2 33	14 41	16 24	16 59	1 25	12 49	1 35
W 9	1 47	14 54	0 36	10 59	0 10	16 12	0 15	25 26	2 9	17 55	0 37	19 15	1 56	11 23	0 44	22 37	0 50	2 32	14 41	16 24	16 58	1 27	12 50	1 35
T 10	1 24	17 27	0s29	11 4	0s 3	15 53	0 19	25 27	2 8	17 51	0 37	19 14	1 56	11 21	0 44	22 37	0 50	2 32	14 42	16 24	16 57	1 29	12 51	1 35
F 11	1 0	19 14	1 34	11 6	0 16	15 35	0 22	25 28	2 8	17 48	0 37	19 14	1 57	11 20	0 44	22 37	0 50	2 31	14 42	16 24	16 56	1 31	12 52	1 35
S 12	0 36	20 8	2 36	11 7	0 28	15 15	0 25	25 29	2 7	17 45	0 37	19 14	1 57	11 19	0 44	22 37	0 49	2 31	14 42	16 25	16 55	1 34	12 53	1 35
S 13	0 13	19 59	3 32	11 5	0 40	14 56	0 29	25 30	2 6	17 42	0 37	19 14	1 57	11 18	0 44	22 37	0 49	2 30	14 43	16 25	16 54	1 36	12 54	1 35
M14	0n11	18 45	4 18	11 2	0 51	14 36	0 32	25 31	2 6	17 39	0 38	19 13	1 57	11 17	0 44	22 37	0 49	2 29	14 43	16 25	16 53	1 38	12 56	1 35
T 15	0 35	16 25	4 51	10 56	1 1	14 15	0 35	25 31	2 5	17 35	0 38	19 13	1 57	11 16	0 44	22 37	0 49	2 29	14 43	16 24	16 52	1 40	12 57	1 35
W16	0 58	13 2	5 8	10 49	1 11	13 54	0 38	25 32	2 5	17 32	0 38	19 13	1 57	11 15	0 44	22 37	0 49	2 28	14 44	16 23	16 52	1 42	12 58	1 35
T 17	1 22	8 46	5 6	10 39	1 21	13 33	0 41	25 32	2 4	17 29	0 38	19 13	1 57	11 14	0 44	22 37	0 49	2 28	14 44	16 21	16 51	1 44	12 59	1 35
F 18	1 45	3 51	4 43	10 28	1 30	13 11	0 44	25 32	2 3	17 26	0 38	19 12	1 57	11 13	0 44	22 37	0 49	2 27	14 44	16 19	16 50	1 46	13 0	1 35
S 19	2 9	1s22	3 59	10 15	1 38	12 49	0 47	25 33	2 3	17 23	0 38	19 12	1 58	11 11	0 44	22 37	0 49	2 27	14 44	16 18	16 49	1 49	13 1	1 35
S 20	2 32	6 31	2 59	10 0	1 46	12 27	0 50	25 33	2 2	17 20	0 39	19 12	1 58	11 10	0 44	22 37	0 49	2 26	14 45	16 16	16 48	1 51	13 2	1 35
M21	2 55	11 14	1 46	9 43	1 53	12 4	0 53	25 33	2 2	17 17	0 39	19 11	1 58	11 9	0 44	22 37	0 49	2 25	14 45	16 15	16 47	1 53	13 3	1 35
T 22	3 19	15 9	0 27	9 25	2 0	11 41	0 55	25 32	2 1	17 14	0 39	19 11	1 58	11 8	0 44	22 37	0 49	2 25	14 45	16 15	16 46	1 55	13 5	1 35
W23	3 42	18 1	0n52	9 5	2 6	11 18	0 58	25 32	2 0	17 10	0 39	19 10	1 58	11 7	0 44	22 37	0 49	2 24	14 45	16 15	16 45	1 57	13 6	1 35
T 24	4 5	19 40	2 5	8 44	2 12	10 54	1 0	25 32	2 0	17 7	0 39	19 10	1 58	11 6	0 44	22 37	0 49	2 24	14 46	16 15	16 44	1 59	13 7	1 35
F 25	4 28	20 7	3 9	8 21	2 17	10 30	1 3	25 31	1 59	17 4	0 40	19 10	1 58	11 5	0 44	22 37	0 49	2 23	14 46	16 16	16 43	2 1	13 8	1 35
S 26	4 51	19 27	4 1	7 56	2 21	10 5	1 5	25 31	1 59	17 1	0 40	19 9	1 58	11 4	0 44	22 37	0 49	2 23	14 46	16 16	16 42	2 4	13 9	1 35
S 27	5 14	17 47	4 39	7 30	2 25	9 41	1 8	25 30	1 58	16 58	0 40	19 9	1 58	11 3	0 44	22 37	0 49	2 22	14 46	16 16	16 41	2 6	13 10	1 35
M28	5 37	15 19	5 3	7 3	2 29	9 16	1 10	25 29	1 57	16 56	0 40	19 8	1 59	11 2	0 44	22 37	0 49	2 21	14 47	16 16	16 41	2 8	13 12	1 36
T 29	6 0	12 14	5 13	6 34	2 31	8 51	1 12	25 28	1 57	16 53	0 40	19 8	1 59	11 1	0 44	22 37	0 49	2 21	14 47	16 15	16 40	2 10	13 13	1 36
W30	6 23	8 41	5 9	6 4	2 34	8 25	1 14	25 27	1 56	16 50	0 40	19 7	1 59	11 0	0 44	22 37	0 49	2 20	14 47	16 14	16 39	2 12	13 14	1 36
T 31	6n45	4s50	4n51	5s32	2s35	8s 0	1s16	25n26	1n56	16s47	0s41	19s 7	1n59	10s59	0s44	22n37	0s49	2s20	14n47	16s13	16s38	2n14	13n15	1s36

Julian Day Number = 2177679.5, Delta T = 11m46s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'01, Lahiri = 13°24'02 Julian Calendar 1 March 1250 == Greg. Calendar 8 March 1250

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ASTRODIENST EPHEMERIS for the year 1250
geocentric

APRIL 1250 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 4 57	18♈ 6'22	17♓52	23♓31	13♓54	3♋24	16♒ 4	4°R 7	3♓26	5♋17	15°R19	14°R16	15♏44	26♓46	9♉44	F 1
S 2	13 8 53	19° 4'55	29°41	24°58	15° 6	3°55	16°14	4♐ 4	3°29	5°18	15♏17	14♏12	15°41	26°53	9°48	S 2
S 3	13 12 50	20° 3'25	11♈32	26°28	16°18	4°27	16°24	4° 2	3°32	5°19	15°16	14° 8	15°38	27° 0	9°52	S 3
M 4	13 16 47	21° 1'54	23°26	27°59	17°30	4°58	16°34	3°59	3°34	5°19	15°14	14° 6	15°34	27° 6	9°56	M 4
T 5	13 20 43	22° 0'21	5♉25	29°32	18°42	5°30	16°43	3°56	3°37	5°20	15°13	14° 4	15°31	27°13	10° 0	T 5
W 6	13 24 40	22°58'47	17°31	1♈ 7	19°54	6° 2	16°53	3°54	3°39	5°21	15°11	14°D 4	15°28	27°20	10° 4	W 6
T 7	13 28 36	23°57'10	29°46	2°43	21° 6	6°34	17° 2	3°51	3°42	5°22	15°10	14° 5	15°25	27°26	10° 8	T 7
F 8	13 32 33	24°55'31	12♊13	4°22	22°18	7° 5	17°12	3°48	3°44	5°23	15° 8	14° 6	15°22	27°33	10°12	F 8
S 9	13 36 29	25°53'50	24°54	6° 2	23°30	7°38	17°21	3°45	3°47	5°24	15° 7	14° 8	15°18	27°40	10°17	S 9
S 10	13 40 26	26°52'07	7♋53	7°44	24°42	8°10	17°30	3°42	3°49	5°25	15° 5	14° 9	15°15	27°46	10°21	S 10
M11	13 44 22	27°50'22	21°10	9°27	25°54	8°42	17°39	3°39	3°51	5°26	15° 4	14°10	15°12	27°53	10°25	M11
T 12	13 48 19	28°48'35	4♌49	11°13	27° 6	9°14	17°48	3°36	3°54	5°27	15° 2	14°R10	15° 9	28° 0	10°29	T 12
W13	13 52 16	29°46'46	18°51	13° 0	28°18	9°47	17°56	3°33	3°56	5°28	15° 0	14° 9	15° 6	28° 6	10°33	W13
T 14	13 56 12	0♉44'54	3♍14	14°49	29°31	10°19	18° 5	3°29	3°58	5°29	14°59	14° 8	15° 3	28°13	10°37	T 14
F 15	14 0 9	1°43'01	17°55	16°40	0♈43	10°52	18°13	3°26	4° 1	5°31	14°57	14° 6	14°59	28°20	10°41	F 15
S 16	14 4 5	2°41'06	2♎50	18°32	1°55	11°24	18°22	3°22	4° 3	5°32	14°56	14° 5	14°56	28°27	10°46	S 16
S 17	14 8 2	3°39'08	17°51	20°27	3° 7	11°57	18°30	3°19	4° 5	5°33	14°54	14° 4	14°53	28°33	10°50	S 17
M18	14 11 58	4°37'09	2♏49	22°23	4°19	12°30	18°38	3°15	4° 7	5°34	14°52	14° 3	14°50	28°40	10°54	M18
T 19	14 15 55	5°35'09	17°36	24°21	5°31	13° 3	18°46	3°12	4° 9	5°36	14°51	14°D 3	14°47	28°47	10°58	T 19
W20	14 19 51	6°33'07	2♐ 5	26°20	6°44	13°36	18°53	3° 8	4°11	5°37	14°49	14° 3	14°43	28°53	11° 3	W20
T 21	14 23 48	7°31'03	16°11	28°22	7°56	14° 9	19° 1	3° 4	4°13	5°38	14°47	14° 4	14°40	29° 0	11° 7	T 21
F 22	14 27 44	8°28'58	29°51	0♉25	9° 8	14°42	19° 8	3° 1	4°15	5°40	14°46	14° 4	14°37	29° 7	11°11	F 22
S 23	14 31 41	9°26'52	13♑ 6	2°29	10°21	15°15	19°16	2°57	4°17	5°41	14°44	14° 5	14°34	29°13	11°15	S 23
S 24	14 35 38	10°24'44	25°57	4°35	11°33	15°48	19°23	2°53	4°19	5°42	14°42	14° 5	14°31	29°20	11°19	S 24
M25	14 39 34	11°22'35	8♒28	6°42	12°45	16°21	19°30	2°49	4°20	5°44	14°41	14°R 5	14°28	29°27	11°24	M25
T 26	14 43 31	12°20'25	20°41	8°51	13°58	16°55	19°37	2°45	4°22	5°45	14°39	14° 5	14°24	29°33	11°28	T 26
W27	14 47 27	13°18'13	2♓42	11° 0	15°10	17°28	19°43	2°41	4°24	5°47	14°37	14° 5	14°21	29°40	11°32	W27
T 28	14 51 24	14°16'00	14°36	13°11	16°22	18° 2	19°50	2°37	4°26	5°48	14°36	14°D 5	14°18	29°47	11°36	T 28
F 29	14 55 20	15°13'46	26°25	15°22	17°35	18°35	19°56	2°33	4°27	5°50	14°34	14° 5	14°15	29°53	11°41	F 29
S 30	14 59 17	16♉11'31	8♈15	17♉33	18♈47	19♋ 9	20♒ 3	2♐29	4♓29	5♋51	14♏32	14♏ 6	14♏12	0♈ 0	11♉45	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n 8	0s49	4n21	4s59	2s37	7s34	1s18	25n24	1n55	16s44	0s41	19s 6	1n59	10s58	0s44	22n37	0s49	2s19	14n47	16s11	16s37	2n16	13n17	1s36
S 2	7 30	3n14	3 40	4 25	2 37	7 7	1 20	25 23	1 54	16 41	0 41	19 6	1 59	10 57	0 44	22 37	0 49	2 19	14 47	16 10	16 36	2 19	13 18	1 36
S 3	7 52	7 11	2 50	3 49	2 37	6 41	1 22	25 21	1 54	16 38	0 41	19 5	1 59	10 56	0 44	22 37	0 49	2 18	14 48	16 9	16 35	2 21	13 19	1 36
M 4	8 14	10 51	1 51	3 12	2 37	6 15	1 24	25 20	1 53	16 36	0 41	19 5	1 59	10 55	0 44	22 37	0 49	2 18	14 48	16 8	16 34	2 23	13 20	1 36
T 5	8 36	14 8	0 48	2 34	2 36	5 48	1 25	25 18	1 53	16 33	0 42	19 4	1 59	10 55	0 44	22 37	0 49	2 17	14 48	16 8	16 33	2 25	13 21	1 36
W 6	8 58	16 49	0s19	1 55	2 34	5 21	1 27	25 16	1 52	16 30	0 42	19 3	1 59	10 54	0 44	22 37	0 49	2 16	14 48	16 7	16 32	2 27	13 23	1 36
T 7	9 20	18 47	1 26	1 15	2 32	4 54	1 29	25 14	1 52	16 28	0 42	19 3	2 0	10 53	0 44	22 37	0 49	2 16	14 48	16 8	16 31	2 29	13 24	1 36
F 8	9 41	19 53	2 29	0 33	2 30	4 27	1 30	25 11	1 51	16 25	0 42	19 2	2 0	10 52	0 44	22 37	0 48	2 15	14 48	16 8	16 30	2 31	13 25	1 36
S 9	10 3	19 59	3 27	0n10	2 27	3 59	1 31	25 9	1 50	16 22	0 43	19 2	2 0	10 51	0 44	22 37	0 48	2 15	14 48	16 9	16 29	2 33	13 26	1 36
S 10	10 24	19 3	4 15	0 53	2 23	3 32	1 33	25 7	1 50	16 20	0 43	19 1	2 0	10 50	0 44	22 37	0 48	2 14	14 49	16 9	16 29	2 36	13 28	1 36
M11	10 45	17 4	4 51	1 38	2 19	3 4	1 34	25 4	1 49	16 17	0 43	19 0	2 0	10 49	0 44	22 37	0 48	2 14	14 49	16 9	16 28	2 38	13 29	1 36
T 12	11 6	14 5	5 12	2 24	2 14	2 36	1 35	25 1	1 49	16 15	0 43	19 0	2 0	10 49	0 44	22 37	0 48	2 13	14 49	16 9	16 27	2 40	13 30	1 36
W13	11 26	10 14	5 15	3 10	2 9	2 9	1 36	24 58	1 48	16 12	0 43	18 59	2 0	10 48	0 45	22 37	0 48	2 13	14 49	16 9	16 26	2 42	13 31	1 36
T 14	11 47	5 43	4 59	3 58	2 3	1 41	1 37	24 55	1 48	16 10	0 44	18 58	2 0	10 47	0 45	22 37	0 48	2 12	14 49	16 9	16 25	2 44	13 32	1 36
F 15	12 7	0 45	4 23	4 46	1 57	1 13	1 38	24 52	1 47	16 7	0 44	18 58	2 0	10 46	0 45	22 37	0 48	2 12	14 49	16 8	16 24	2 46	13 34	1 37
S 16	12 27	4s20	3 29	5 36	1 50	0 44	1 39	24 49	1 46	16 5	0 44	18 57	2 0	10 45	0 45	22 37	0 48	2 11	14 49	16 8	16 23	2 48	13 35	1 37
S 17	12 47	9 11	2 20	6 25	1 43	0 16	1 39	24 45	1 46	16 3	0 44	18 56	2 0	10 45	0 45	22 37	0 48	2 11	14 49	16 7	16 22	2 50	13 36	1 37
M18	13 7	13 28	1 2	7 16	1 36	0n12	1 40	24 42	1 45	16 0	0 44	18 55	2 0	10 44	0 45	22 37	0 48	2 10	14 49	16 7	16 21	2 52	13 37	1 37
T 19	13 26	16 50	0n20	8 7	1 27	0 40	1 40	24 38	1 45	15 58	0 45	18 55	2 0	10 43	0 45	22 37	0 48	2 10	14 49	16 7	16 20	2 55	13 39	1 37
W20	13 45	19 3	1 38	8 59	1 19	1 8	1 41	24 34	1 44	15 56	0 45	18 54	2 0	10 42	0 45	22 37	0 48	2 9	14 49	16 7	16 19	2 57	13 40	1 37
T 21	14 4	20 1	2 49	9 51	1 10	1 37	1 41	24 30	1 44	15 54	0 45	18 53	2 0	10 42	0 45	22 37	0 48	2 9	14 49	16 7	16 18	2 59	13 41	1 37
F 22	14 23	19 44	3 48	10 43	1 1	2 5	1 42	24 26	1 43	15 52	0 45	18 52	2 0	10 41	0 45	22 37	0 48	2 8	14 49	16 8	16 17	3 1	13 42	1 37
S 23	14 42	18 22	4 32	11 35	0 51	2 33	1 42	24 21	1 43	15 50	0 46	18 52	2 0	10 40	0 45	22 37	0 48	2 8	14 49	16 8	16 16	3 3	13 44	1 37
S 24	15 0	16 6	5 2	12 27	0 41	3 1	1 42	24 17	1 42	15 48	0 46	18 51	2 0	10 40	0 45	22 37	0 48	2 8	14 49	16 8	16 15	3 5	13 45	1 37
M25	15 18	13 8	5 16	13 19	0 31	3 29	1 42	24 12	1 41	15 46	0 46	18 50	2 0	10 39	0 45	22 37	0 48	2 7	14 49	16 8	16 14	3 7	13 46	1 37
T 26	15 36	9 40	5 15	14 11	0 21	3 58	1 42	24 8	1 41	15 44	0 46	18 49	2 0	10 39	0 45	22 37	0 48	2 7	14 49	16 8	16 14	3 9	13 47	1 37
W27	15 54	5 52	5 1	15 2	0 10	4 26	1 42	24 3	1 40	15 42	0 47	18 49	2 0	10 38	0 45	22 37	0 48	2 6	14 49	16 8	16 13	3 11	13 49	1 37
T 28	16 11	1 53	4 34	15 52	0n 0	4 54	1 42	23 58	1 40	15 40	0 47	18 48	2 1	10 37	0 45	22 37	0 48	2 6	14 49	16 8	16 12	3 13	13 50	1 38
F 29	16 28	2n10	3 55	16 41	0 11	5 22	1 42	23 53	1 39	15 38	0 47	18 47	2 1	10 37	0 45	22 37	0 48	2 5	14 49	16 8	16 11	3 16	13 51	1 38
S 30	16n45	6n 8	3n 6	17n29	0n21	5n50	1s41	23n47	1n39	15s36	0s47	18s46	2n 1	10s36	0s45	22n37	0s48	2s 5	14n49	16s 8	16s10	3n18	13n52	1s38

Julian Day Number = 2177710.5, Delta T = 11m46s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'05, Lahiri = 13°24'06 Julian Calendar 1 Apr. 1250 == Greg. Calendar 8 Apr. 1250

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ASTRODIENST EPHEMERIS for the year 1250
geocentric

MAY 1250 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 3 13	17♉ 9'15	20♈ 9	19♉44	20♈ 0	19♋43	20♒ 9	2°R25	4♓30	5♋53	14°R31	14♏ 6	14♏ 9	0♈ 7	11♉49	S 1
M 2	15 7 10	18° 6'57	2♉ 9	21°55	21°12	20°17	20°15	2♐20	4°32	5°54	14♏29	14° 6	14° 5	0°13	11°53	M 2
T 3	15 11 7	19° 4'38	14°18	24° 6	22°25	20°51	20°20	2°16	4°33	5°56	14°27	14°R 6	14° 2	0°20	11°58	T 3
W 4	15 15 3	20° 2'18	26°38	26°16	23°37	21°24	20°26	2°12	4°35	5°58	14°26	14° 6	13°59	0°27	12° 2	W 4
T 5	15 19 0	20°59'57	9♊10	28°25	24°50	21°58	20°31	2° 8	4°36	5°59	14°24	14° 6	13°56	0°34	12° 6	T 5
F 6	15 22 56	21°57'34	21°55	0♊32	26° 2	22°33	20°37	2° 3	4°38	6° 1	14°22	14° 5	13°53	0°40	12°10	F 6
S 7	15 26 53	22°55'10	4♋53	2°39	27°15	23° 7	20°42	1°59	4°39	6° 3	14°21	14° 4	13°49	0°47	12°14	S 7
S 8	15 30 49	23°52'44	18° 7	4°43	28°27	23°41	20°47	1°55	4°40	6° 5	14°19	14° 2	13°46	0°54	12°19	S 8
M 9	15 34 46	24°50'17	1♌35	6°45	29°40	24°15	20°52	1°50	4°41	6° 6	14°18	14° 1	13°43	1° 0	12°23	M 9
T 10	15 38 42	25°47'49	15°18	8°46	0♉52	24°49	20°56	1°46	4°42	6° 8	14°16	14° 1	13°40	1° 7	12°27	T 10
W11	15 42 39	26°45'19	29°15	10°44	2° 5	25°24	21° 1	1°41	4°44	6°10	14°14	14°D 1	13°37	1°14	12°31	W11
T 12	15 46 36	27°42'48	13♍26	12°40	3°18	25°58	21° 5	1°37	4°45	6°12	14°13	14° 1	13°34	1°20	12°35	T 12
F 13	15 50 32	28°40'15	27°49	14°33	4°30	26°33	21° 9	1°33	4°46	6°14	14°11	14° 2	13°30	1°27	12°39	F 13
S 14	15 54 29	29°37'41	12♎21	16°24	5°43	27° 7	21°13	1°28	4°47	6°15	14° 9	14° 3	13°27	1°34	12°43	S 14
S 15	15 58 25	0♊35'06	26°57	18°12	6°55	27°42	21°17	1°24	4°47	6°17	14° 8	14° 4	13°24	1°40	12°47	S 15
M16	16 2 22	1°32'29	11♏32	19°57	8° 8	28°16	21°20	1°19	4°48	6°19	14° 6	14°R 4	13°21	1°47	12°52	M16
T 17	16 6 18	2°29'52	26° 0	21°40	9°21	28°51	21°24	1°15	4°49	6°21	14° 5	14° 4	13°18	1°54	12°56	T 17
W18	16 10 15	3°27'14	10♐16	23°20	10°33	29°26	21°27	1°10	4°50	6°23	14° 3	14° 3	13°15	2° 0	13° 0	W18
T 19	16 14 11	4°24'34	24°14	24°57	11°46	0♌ 1	21°30	1° 6	4°51	6°25	14° 2	14° 1	13°11	2° 7	13° 4	T 19
F 20	16 18 8	5°21'55	7♑52	26°32	12°59	0°35	21°33	1° 2	4°51	6°27	14° 0	13°58	13° 8	2°14	13° 8	F 20
S 21	16 22 5	6°19'14	21° 8	28° 4	14°12	1°10	21°35	0°57	4°52	6°29	13°59	13°55	13° 5	2°20	13°12	S 21
S 22	16 26 1	7°16'33	4♒ 1	29°33	15°24	1°45	21°38	0°53	4°52	6°31	13°57	13°52	13° 2	2°27	13°16	S 22
M23	16 29 58	8°13'51	16°34	0♋59	16°37	2°20	21°40	0°48	4°53	6°33	13°56	13°49	12°59	2°34	13°20	M23
T 24	16 33 54	9°11'09	28°50	2°22	17°50	2°55	21°42	0°44	4°53	6°35	13°54	13°48	12°55	2°40	13°24	T 24
W25	16 37 51	10° 8'26	10♓52	3°42	19° 3	3°30	21°44	0°40	4°54	6°37	13°53	13°D47	12°52	2°47	13°28	W25
T 26	16 41 47	11° 5'43	22°46	4°59	20°15	4° 6	21°46	0°35	4°54	6°39	13°51	13°48	12°49	2°54	13°31	T 26
F 27	16 45 44	12° 2'59	4♈36	6°14	21°28	4°41	21°47	0°31	4°55	6°41	13°50	13°49	12°46	3° 0	13°35	F 27
S 28	16 49 40	13° 0'15	16°28	7°25	22°41	5°16	21°49	0°27	4°55	6°43	13°48	13°51	12°43	3° 7	13°39	S 28
S 29	16 53 37	13°57'31	28°25	8°33	23°54	5°51	21°50	0°23	4°55	6°45	13°47	13°52	12°40	3°14	13°43	S 29
M30	16 57 34	14°54'46	10♉31	9°38	25° 7	6°27	21°51	0°18	4°55	6°47	13°46	13°R53	12°36	3°21	13°47	M30
T 31	17 1 30	15♊52'01	22♉50	10♋40	26♉20	7♌ 2	21♒51	0♐14	4♓55	6♋49	13♏44	13♏53	12♏33	3♈27	13♉51	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 1	9n54	2n 9	18n15	0n32	6n17	1s41	23n42	1n38	15s35	0s48	18s45	2n 1	10s36	0s45	22n37	0s48	2s 5	14n49	16s 8	16s 9	3n20	13n53	1s38
M 2	17 18	13 18	1 6	19 0	0 42	6 45	1 41	23 36	1 38	15 33	0 48	18 45	2 1	10 35	0 45	22 37	0 48	2 4	14 49	16 8	16 8	3 22	13 55	1 38
T 3	17 34	16 11	0s 1	19 42	0 52	7 12	1 40	23 31	1 37	15 31	0 48	18 44	2 1	10 35	0 45	22 36	0 48	2 4	14 48	16 8	16 7	3 24	13 56	1 38
W 4	17 49	18 22	1 9	20 23	1 1	7 40	1 40	23 25	1 36	15 30	0 48	18 43	2 0	10 34	0 45	22 36	0 48	2 4	14 48	16 8	16 6	3 26	13 57	1 38
T 5	18 5	19 42	2 15	21 2	1 10	8 7	1 39	23 19	1 36	15 28	0 49	18 42	2 0	10 34	0 45	22 36	0 48	2 3	14 48	16 8	16 5	3 28	13 58	1 38
F 6	18 20	20 3	3 15	21 38	1 19	8 34	1 38	23 13	1 35	15 27	0 49	18 41	2 0	10 33	0 45	22 36	0 48	2 3	14 48	16 8	16 4	3 30	13 59	1 38
S 7	18 35	19 21	4 6	22 12	1 27	9 1	1 37	23 6	1 35	15 26	0 49	18 40	2 0	10 33	0 45	22 36	0 48	2 3	14 48	16 7	16 3	3 32	14 1	1 38
S 8	18 49	17 36	4 45	22 43	1 35	9 28	1 37	23 0	1 34	15 24	0 49	18 40	2 0	10 32	0 45	22 36	0 47	2 2	14 48	16 7	16 2	3 34	14 2	1 38
M 9	19 3	14 51	5 9	23 11	1 41	9 54	1 36	22 53	1 34	15 23	0 50	18 39	2 0	10 32	0 45	22 36	0 47	2 2	14 48	16 7	16 1	3 36	14 3	1 39
T 10	19 17	11 16	5 17	23 37	1 48	10 21	1 35	22 47	1 33	15 22	0 50	18 38	2 0	10 32	0 45	22 36	0 47	2 2	14 48	16 6	16 0	3 38	14 4	1 39
W11	19 31	7 0	5 6	24 1	1 53	10 47	1 34	22 40	1 33	15 21	0 50	18 37	2 0	10 31	0 45	22 36	0 47	2 1	14 47	16 6	15 59	3 40	14 5	1 39
T 12	19 44	2 17	4 36	24 21	1 58	11 13	1 33	22 33	1 32	15 19	0 50	18 36	2 0	10 31	0 46	22 36	0 47	2 1	14 47	16 7	15 58	3 43	14 6	1 39
F 13	19 57	2s38	3 49	24 39	2 2	11 38	1 31	22 26	1 32	15 18	0 51	18 35	2 0	10 31	0 46	22 36	0 47	2 1	14 47	16 7	15 57	3 45	14 8	1 39
S 14	20 9	7 27	2 47	24 55	2 5	12 4	1 30	22 18	1 31	15 17	0 51	18 35	2 0	10 30	0 46	22 36	0 47	2 1	14 47	16 7	15 56	3 47	14 9	1 39
S 15	20 21	11 52	1 33	25 7	2 8	12 29	1 29	22 11	1 30	15 16	0 51	18 34	2 0	10 30	0 46	22 36	0 47	2 0	14 47	16 7	15 55	3 49	14 10	1 39
M16	20 33	15 34	0 14	25 18	2 9	12 54	1 28	22 3	1 30	15 15	0 51	18 33	2 0	10 30	0 46	22 36	0 47	2 0	14 46	16 8	15 54	3 51	14 11	1 39
T 17	20 45	18 16	1n 5	25 26	2 10	13 18	1 26	21 56	1 29	15 15	0 52	18 32	2 0	10 29	0 46	22 36	0 47	2 0	14 46	16 7	15 54	3 53	14 12	1 39
W18	20 56	19 46	2 20	25 32	2 10	13 42	1 25	21 48	1 29	15 14	0 52	18 31	2 0	10 29	0 46	22 36	0 47	2 0	14 46	16 7	15 53	3 55	14 13	1 40
T 19	21 7	20 1	3 24	25 36	2 10	14 6	1 23	21 40	1 28	15 13	0 52	18 30	2 0	10 29	0 46	22 36	0 47	2 0	14 46	16 6	15 52	3 57	14 14	1 40
F 20	21 17	19 4	4 15	25 38	2 8	14 30	1 22	21 32	1 28	15 12	0 53	18 30	2 0	10 29	0 46	22 35	0 47	1 59	14 45	16 6	15 51	3 59	14 15	1 40
S 21	21 27	17 5	4 50	25 37	2 6	14 53	1 20	21 24	1 27	15 12	0 53	18 29	2 0	10 29	0 46	22 35	0 47	1 59	14 45	16 5	15 50	4 1	14 16	1 40
S 22	21 37	14 18	5 10	25 35	2 3	15 16	1 18	21 15	1 27	15 11	0 53	18 28	2 0	10 28	0 46	22 35	0 47	1 59	14 45	16 4	15 49	4 3	14 17	1 40
M23	21 46	10 56	5 14	25 32	2 0	15 39	1 17	21 7	1 26	15 11	0 53	18 27	2 0	10 28	0 46	22 35	0 47	1 59	14 45	16 3	15 48	4 5	14 19	1 40
T 24	21 55	7 11	5 4	25 26	1 55	16 1	1 15	20 58	1 26	15 10	0 54	18 26	1 59	10 28	0 46	22 35	0 47	1 59	14 44	16 3	15 47	4 7	14 20	1 40
W25	22 4	3 12	4 40	25 19	1 50	16 23	1 13	20 50	1 25	15 10	0 54	18 25	1 59	10 28	0 46	22 35	0 47	1 59	14 44	16 2	15 46	4 9	14 21	1 40
T 26	22 12	0n52	4 5	25 11	1 45	16 44	1 11	20 41	1 25	15 10	0 54	18 25	1 59	10 28	0 46	22 35	0 47	1 58	14 44	16 3	15 45	4 11	14 22	1 41
F 27	22 20	4 53	3 19	25 1	1 38	17 5	1 9	20 32	1 24	15 10	0 54	18 24	1 59	10 28	0 46	22 35	0 47	1 58	14 43	16 3	15 44	4 13	14 23	1 41
S 28	22 27	8 43	2 25	24 50	1 31	17 26	1 7	20 23	1 23	15 9	0 55	18 23	1 59	10 28	0 46	22 35	0 47	1 58	14 43	16 4	15 43	4 15	14 24	1 41
S 29	22 34	12 15	1 24	24 38	1 23	17 46	1 5	20 13	1 23	15 9	0 55	18 22	1 59	10 28	0 46	22 35	0 47	1 58	14 43	16 4	15 42	4 17	14 25	1 41
M30	22 41	15 20	0 18	24 25	1 14	18 6	1 3	20 4	1 22	15 9	0 55	18 22	1 59	10 28	0 46	22 35	0 47	1 58	14 43	16 4	15 41	4 19	14 26	1 41
T 31	22n47	17n46	0s49	24n11	1n 5	18n25	1s 1	19n54	1n22	15s 9	0s56	18s21	1n59	10s28	0s46	22n35	0s47	1s58	14n42	16s 4	15s40	4n22	14n27	1s41

Julian Day Number = 2177740.5, Delta T = 11m45s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'09, Lahiri = 13°24'10 Julian Calendar 1 May 1250 == Greg. Calendar 8 May 1250

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ASTRODIENST EPHEMERIS for the year 1250
geocentric

JUNE 1250 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 5 27	16♊49'16	5♊24	11♋38	27♉33	7♌38	21♒52	0°R10	4♓56	6♋51	13°R43	13°R51	12♏30	3♈34	13♉54	W 1
T 2	17 9 23	17°46'30	18°15	12°33	28°46	8°13	21°52	0♐ 6	4°R56	6°54	13♏42	13♏48	12°27	3°41	13°58	T 2
F 3	17 13 20	18°43'44	1♋22	13°25	29°59	8°49	21°R53	0° 2	4°56	6°56	13°40	13°43	12°24	3°47	14° 2	F 3
S 4	17 17 16	19°40'57	14°45	14°12	1♊12	9°24	21°52	29♏58	4°56	6°58	13°39	13°38	12°21	3°54	14° 5	S 4
S 5	17 21 13	20°38'10	28°21	14°56	2°25	10° 0	21°52	29°54	4°55	7° 0	13°38	13°32	12°17	4° 1	14° 9	S 5
M 6	17 25 10	21°35'23	12♌ 9	15°37	3°38	10°36	21°52	29°50	4°55	7° 2	13°37	13°27	12°14	4° 7	14°13	M 6
T 7	17 29 6	22°32'35	26° 6	16°13	4°51	11°11	21°51	29°46	4°55	7° 4	13°35	13°23	12°11	4°14	14°16	T 7
W 8	17 33 3	23°29'46	10♍10	16°45	6° 4	11°47	21°50	29°42	4°55	7° 7	13°34	13°20	12° 8	4°21	14°20	W 8
T 9	17 36 59	24°26'56	24°19	17°13	7°17	12°23	21°50	29°38	4°55	7° 9	13°33	13°D20	12° 5	4°27	14°23	T 9
F 10	17 40 56	25°24'07	8♎31	17°37	8°30	12°59	21°48	29°34	4°54	7°11	13°32	13°20	12° 1	4°34	14°27	F 10
S 11	17 44 52	26°21'16	22°43	17°56	9°43	13°35	21°47	29°31	4°54	7°13	13°31	13°21	11°58	4°41	14°30	S 11
S 12	17 48 49	27°18'26	6♏55	18°11	10°56	14°11	21°45	29°27	4°53	7°15	13°30	13°R22	11°55	4°47	14°33	S 12
M13	17 52 45	28°15'35	21° 4	18°21	12° 9	14°47	21°44	29°23	4°53	7°17	13°29	13°22	11°52	4°54	14°37	M13
T 14	17 56 42	29°12'44	5♐ 7	18°26	13°22	15°23	21°42	29°20	4°52	7°20	13°28	13°20	11°49	5° 1	14°40	T 14
W15	18 0 39	0♋ 9'52	19° 0	18°R27	14°36	15°59	21°40	29°16	4°52	7°22	13°27	13°16	11°46	5° 7	14°43	W15
T 16	18 4 35	1° 7'01	2♑40	18°24	15°49	16°35	21°37	29°13	4°51	7°24	13°26	13°10	11°42	5°14	14°47	T 16
F 17	18 8 32	2° 4'10	16° 5	18°15	17° 2	17°11	21°35	29° 9	4°50	7°26	13°25	13° 3	11°39	5°21	14°50	F 17
S 18	18 12 28	3° 1'19	29°12	18° 2	18°15	17°48	21°32	29° 6	4°50	7°29	13°24	12°54	11°36	5°27	14°53	S 18
S 19	18 16 25	3°58'28	12♒ 1	17°45	19°28	18°24	21°29	29° 3	4°49	7°31	13°23	12°46	11°33	5°34	14°56	S 19
M20	18 20 21	4°55'37	24°32	17°23	20°42	19° 0	21°26	29° 0	4°48	7°33	13°22	12°39	11°30	5°41	14°59	M20
T 21	18 24 18	5°52'47	6♓47	16°58	21°55	19°37	21°23	28°57	4°47	7°35	13°21	12°33	11°27	5°47	15° 2	T 21
W22	18 28 14	6°49'57	18°49	16°29	23° 8	20°13	21°20	28°54	4°46	7°38	13°20	12°29	11°23	5°54	15° 5	W22
T 23	18 32 11	7°47'07	0♈42	15°57	24°22	20°50	21°16	28°51	4°46	7°40	13°20	12°27	11°20	6° 1	15° 8	T 23
F 24	18 36 8	8°44'18	12°32	15°22	25°35	21°26	21°12	28°48	4°45	7°42	13°19	12°D27	11°17	6° 7	15°11	F 24
S 25	18 40 4	9°41'30	24°24	14°45	26°49	22° 3	21° 8	28°45	4°44	7°44	13°18	12°28	11°14	6°14	15°14	S 25
S 26	18 44 1	10°38'42	6♉22	14° 6	28° 2	22°39	21° 4	28°42	4°42	7°46	13°17	12°R28	11°11	6°21	15°17	S 26
M27	18 47 57	11°35'55	18°33	13°27	29°15	23°16	21° 0	28°40	4°41	7°49	13°17	12°28	11° 7	6°27	15°20	M27
T 28	18 51 54	12°33'08	0♊59	12°47	0♋29	23°53	20°55	28°37	4°40	7°51	13°16	12°27	11° 4	6°34	15°23	T 28
W29	18 55 50	13°30'23	13°44	12° 7	1°42	24°29	20°51	28°35	4°39	7°53	13°16	12°23	11° 1	6°41	15°25	W29
T 30	18 59 47	14♋27'37	26♊51	11♋29	2♋56	25♌ 6	20♒46	28♏32	4♓38	7♋55	13♏15	12♏16	10♏58	6♈47	15♉28	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n53	19n24	1s55	23n56	0n55	18n44	0s59	19n45	1n21	15s 9	0s56	18s20	1n59	10s28	0s46	22n34	0s47	1s58	14n42	16s 4	15s39	4n24	14n28	1s41
T 2	22 58	20 5	2 57	23 41	0 45	19 2	0 57	19 35	1 21	15 9	0 56	18 19	1 58	10 28	0 46	22 34	0 47	1 58	14 42	16 3	15 38	4 26	14 29	1 42
F 3	23 3	19 41	3 50	23 25	0 34	19 20	0 55	19 25	1 20	15 10	0 56	18 19	1 58	10 28	0 46	22 34	0 47	1 58	14 41	16 1	15 37	4 28	14 30	1 42
S 4	23 8	18 12	4 32	23 8	0 22	19 37	0 53	19 15	1 20	15 10	0 57	18 18	1 58	10 28	0 46	22 34	0 47	1 58	14 41	16 0	15 36	4 30	14 31	1 42
S 5	23 12	15 41	5 0	22 51	0 10	19 54	0 50	19 5	1 19	15 10	0 57	18 17	1 58	10 28	0 46	22 34	0 47	1 58	14 40	15 58	15 35	4 32	14 32	1 42
M 6	23 16	12 15	5 10	22 34	0s 3	20 10	0 48	18 55	1 19	15 11	0 57	18 16	1 58	10 28	0 47	22 34	0 47	1 58	14 40	15 56	15 34	4 34	14 32	1 42
T 7	23 19	8 7	5 3	22 16	0 17	20 26	0 46	18 44	1 18	15 11	0 58	18 16	1 58	10 28	0 47	22 34	0 47	1 58	14 40	15 55	15 33	4 36	14 33	1 42
W 8	23 22	3 30	4 37	21 59	0 30	20 41	0 44	18 34	1 18	15 12	0 58	18 15	1 58	10 28	0 47	22 34	0 47	1 58	14 39	15 54	15 32	4 38	14 34	1 42
T 9	23 25	1s19	3 55	21 41	0 45	20 56	0 41	18 23	1 17	15 12	0 58	18 14	1 58	10 28	0 47	22 34	0 47	1 58	14 39	15 54	15 31	4 40	14 35	1 43
F 10	23 27	6 6	2 58	21 23	0 59	21 10	0 39	18 12	1 17	15 13	0 58	18 14	1 57	10 28	0 47	22 34	0 47	1 58	14 38	15 54	15 30	4 42	14 36	1 43
S 11	23 29	10 34	1 50	21 6	1 14	21 24	0 37	18 2	1 16	15 14	0 59	18 13	1 57	10 29	0 47	22 34	0 47	1 58	14 38	15 55	15 29	4 44	14 37	1 43
S 12	23 30	14 26	0 35	20 49	1 30	21 37	0 34	17 51	1 15	15 14	0 59	18 12	1 57	10 29	0 47	22 33	0 47	1 58	14 38	15 55	15 28	4 46	14 38	1 43
M13	23 31	17 26	0n42	20 32	1 45	21 49	0 32	17 39	1 15	15 15	0 59	18 12	1 57	10 29	0 47	22 33	0 47	1 58	14 37	15 55	15 27	4 48	14 39	1 43
T 14	23 32	19 21	1 55	20 16	2 1	22 1	0 29	17 28	1 14	15 16	1 0	18 11	1 57	10 29	0 47	22 33	0 47	1 59	14 37	15 54	15 26	4 50	14 39	1 43
W15	23 32	20 5	3 0	20 0	2 16	22 12	0 27	17 17	1 14	15 17	1 0	18 11	1 57	10 30	0 47	22 33	0 47	1 59	14 36	15 53	15 25	4 52	14 40	1 44
T 16	23 32	19 36	3 54	19 45	2 32	22 22	0 24	17 6	1 13	15 18	1 0	18 10	1 56	10 30	0 47	22 33	0 47	1 59	14 36	15 51	15 24	4 54	14 41	1 44
F 17	23 31	18 2	4 34	19 31	2 47	22 32	0 22	16 54	1 13	15 19	1 0	18 10	1 56	10 30	0 47	22 33	0 47	1 59	14 36	15 49	15 23	4 56	14 42	1 44
S 18	23 30	15 32	4 58	19 18	3 2	22 41	0 20	16 42	1 12	15 20	1 1	18 9	1 56	10 30	0 47	22 33	0 47	1 59	14 35	15 46	15 22	4 58	14 43	1 44
S 19	23 28	12 21	5 7	19 6	3 17	22 50	0 17	16 31	1 12	15 21	1 1	18 8	1 56	10 31	0 47	22 33	0 47	1 59	14 35	15 44	15 21	5 0	14 43	1 44
M20	23 27	8 40	5 0	18 54	3 31	22 58	0 15	16 19	1 11	15 23	1 1	18 8	1 56	10 31	0 47	22 33	0 47	1 59	14 34	15 42	15 20	5 2	14 44	1 44
T 21	23 24	4 43	4 40	18 44	3 45	23 5	0 12	16 7	1 11	15 24	1 1	18 7	1 56	10 31	0 47	22 32	0 47	2 0	14 34	15 40	15 19	5 4	14 45	1 45
W22	23 21	0 39	4 8	18 35	3 57	23 12	0 10	15 55	1 10	15 25	1 2	18 7	1 55	10 32	0 47	22 32	0 47	2 0	14 33	15 39	15 18	5 6	14 46	1 45
T 23	23 18	3n25	3 25	18 28	4 9	23 18	0 7	15 42	1 10	15 27	1 2	18 7	1 55	10 32	0 47	22 32	0 47	2 0	14 33	15 38	15 17	5 8	14 46	1 45
F 24	23 15	7 20	2 34	18 21	4 19	23 23	0 5	15 30	1 9	15 28	1 2	18 6	1 55	10 32	0 47	22 32	0 47	2 0	14 32	15 38	15 16	5 10	14 47	1 45
S 25	23 11	10 58	1 35	18 16	4 28	23 27	0 2	15 18	1 9	15 30	1 3	18 6	1 55	10 33	0 47	22 32	0 47	2 1	14 32	15 38	15 16	5 12	14 48	1 45
S 26	23 6	14 13	0 33	18 12	4 36	23 31	0n 0	15 5	1 8	15 31	1 3	18 5	1 55	10 33	0 47	22 32	0 47	2 1	14 31	15 39	15 15	5 14	14 48	1 45
M27	23 2	16 54	0s32	18 10	4 42	23 35	0 3	14 53	1 7	15 33	1 3	18 5	1 54	10 34	0 47	22 32	0 47	2 1	14 31	15 39	15 14	5 16	14 49	1 46
T 28	22 56	18 51	1 37	18 9	4 47	23 37	0 5	14 40	1 7	15 35	1 3	18 4	1 54	10 34	0 47	22 32	0 47	2 1	14 30	15 38	15 13	5 18	14 50	1 46
W29	22 51	19 55	2 39	18 10	4 50	23 39	0 8	14 27	1 6	15 36	1 4	18 4	1 54	10 35	0 47	22 31	0 47	2 2	14 30	15 37	15 12	5 20	14 50	1 46
T 30	22n45	19n56	3s34	18n12	4s51	23n40	0n10	14n14	1n 6	15s38	1s 4	18s 4	1n54	10s35	0s47	22n31	0s47	2s 2	14n29	15s35	15s11	5n22	14n51	1s46

Julian Day Number = 2177771.5, Delta T = 11m45s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'14, Lahiri = 13°24'14 Julian Calendar 1 June 1250 == Greg. Calendar 8 June 1250

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ASTRODIENST EPHEMERIS for the year 1250
geocentric

JULY 1250 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 3 43	15♋24'53	10♋19	10°R52	4♋ 9	25♌43	20°R41	28°R30	4°R36	7♋58	13°R14	12°R 8	10♏55	6♈54	15♉31	F 1
S 2	19 7 40	16°22'09	24° 6	10♋18	5°23	26°20	20♒36	28♏28	4♓35	8° 0	13♏14	11♏58	10°52	7° 1	15°33	S 2
S 3	19 11 37	17°19'25	8♌ 9	9°47	6°37	26°57	20°31	28°25	4°34	8° 2	13°13	11°48	10°48	7° 7	15°36	S 3
M 4	19 15 33	18°16'42	22°23	9°20	7°50	27°34	20°25	28°23	4°32	8° 4	13°13	11°39	10°45	7°14	15°38	M 4
T 5	19 19 30	19°13'59	6♍43	8°57	9° 4	28°11	20°20	28°21	4°31	8° 6	13°13	11°31	10°42	7°21	15°41	T 5
W 6	19 23 26	20°11'17	21° 3	8°38	10°18	28°48	20°14	28°19	4°29	8° 9	13°12	11°26	10°39	7°27	15°43	W 6
T 7	19 27 23	21° 8'35	5♎20	8°24	11°31	29°25	20° 8	28°18	4°28	8°11	13°12	11°23	10°36	7°34	15°45	T 7
F 8	19 31 19	22° 5'53	19°31	8°16	12°45	0♍ 2	20° 2	28°16	4°26	8°13	13°11	11°D22	10°32	7°41	15°48	F 8
S 9	19 35 16	23° 3'12	3♏35	8°D14	13°59	0°40	19°56	28°14	4°25	8°15	13°11	11°R22	10°29	7°47	15°50	S 9
S 10	19 39 12	24° 0'31	17°31	8°17	15°12	1°17	19°50	28°13	4°23	8°17	13°11	11°22	10°26	7°54	15°52	S 10
M11	19 43 9	24°57'51	1♐18	8°27	16°26	1°54	19°44	28°11	4°22	8°19	13°11	11°21	10°23	8° 1	15°54	M11
T 12	19 47 6	25°55'12	14°56	8°43	17°40	2°31	19°37	28°10	4°20	8°22	13°11	11°17	10°20	8° 7	15°56	T 12
W13	19 51 2	26°52'33	28°25	9° 5	18°54	3° 9	19°31	28° 8	4°18	8°24	13°10	11°11	10°17	8°14	15°58	W13
T 14	19 54 59	27°49'55	11♑43	9°33	20° 8	3°46	19°24	28° 7	4°16	8°26	13°10	11° 2	10°13	8°21	16° 0	T 14
F 15	19 58 55	28°47'18	24°48	10° 8	21°21	4°24	19°17	28° 6	4°15	8°28	13°10	10°50	10°10	8°27	16° 2	F 15
S 16	20 2 52	29°44'42	7♒40	10°49	22°35	5° 1	19°10	28° 5	4°13	8°30	13°10	10°38	10° 7	8°34	16° 4	S 16
S 17	20 6 48	0♌42'07	20°17	11°36	23°49	5°39	19° 3	28° 4	4°11	8°32	13°D10	10°25	10° 4	8°41	16° 6	S 17
M18	20 10 45	1°39'32	2♓40	12°29	25° 3	6°16	18°56	28° 3	4° 9	8°34	13°10	10°14	10° 1	8°47	16° 7	M18
T 19	20 14 41	2°36'59	14°50	13°28	26°17	6°54	18°49	28° 3	4° 7	8°36	13°10	10° 4	9°58	8°54	16° 9	T 19
W20	20 18 38	3°34'27	26°49	14°33	27°31	7°32	18°41	28° 2	4° 5	8°38	13°10	9°57	9°54	9° 1	16°11	W20
T 21	20 22 35	4°31'57	8♈41	15°44	28°45	8° 9	18°34	28° 2	4° 3	8°41	13°10	9°53	9°51	9° 7	16°12	T 21
F 22	20 26 31	5°29'28	20°29	17° 1	29°59	8°47	18°27	28° 1	4° 1	8°43	13°10	9°51	9°48	9°14	16°14	F 22
S 23	20 30 28	6°27'00	2♉20	18°22	1♌13	9°25	18°19	28° 1	3°59	8°45	13°11	9°50	9°45	9°21	16°15	S 23
S 24	20 34 24	7°24'34	14°17	19°49	2°27	10° 3	18°12	28° 0	3°57	8°47	13°11	9°50	9°42	9°27	16°17	S 24
M25	20 38 21	8°22'09	26°28	21°20	3°41	10°41	18° 4	28° 0	3°55	8°49	13°11	9°49	9°38	9°34	16°18	M25
T 26	20 42 17	9°19'46	8♊56	22°56	4°55	11°19	17°56	28°D 0	3°53	8°51	13°11	9°47	9°35	9°41	16°19	T 26
W27	20 46 14	10°17'24	21°46	24°36	6° 9	11°57	17°49	28° 0	3°51	8°53	13°12	9°43	9°32	9°47	16°21	W27
T 28	20 50 10	11°15'04	5♋ 2	26°20	7°24	12°35	17°41	28° 0	3°49	8°55	13°12	9°36	9°29	9°54	16°22	T 28
F 29	20 54 7	12°12'45	18°43	28° 7	8°38	13°13	17°33	28° 1	3°47	8°56	13°12	9°26	9°26	10° 1	16°23	F 29
S 30	20 58 4	13°10'28	2♌49	29°58	9°52	13°51	17°25	28° 1	3°44	8°58	13°13	9°15	9°23	10° 7	16°24	S 30
S 31	21 2 0	14♌ 8'12	17♌14	1♌50	11♌ 6	14♍29	17♒17	28♏ 1	3♓42	9♋ 0	13♏13	9♏ 4	9♏19	10♈14	16♉25	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n38	18n50	4s18	18n15	4s51	23n40	0n12	14n 1	1n 5	15s40	1s 4	18s 3	1n54	10s36	0s47	22n31	0s47	2s 2	14n29	15s32	15s10	5n24	14n51	1s46
S 2	22 32	16 38	4 49	18 20	4 49	23 40	0 15	13 48	1 5	15 42	1 4	18 3	1 53	10 36	0 47	22 31	0 47	2 3	14 28	15 29	15 9	5 26	14 52	1 46
S 3	22 24	13 26	5 3	18 26	4 45	23 39	0 17	13 35	1 4	15 44	1 5	18 3	1 53	10 37	0 47	22 31	0 47	2 3	14 28	15 26	15 8	5 28	14 52	1 47
M 4	22 17	9 24	4 58	18 33	4 40	23 38	0 19	13 22	1 4	15 46	1 5	18 3	1 53	10 37	0 48	22 31	0 47	2 3	14 27	15 23	15 7	5 30	14 53	1 47
T 5	22 9	4 50	4 35	18 41	4 33	23 35	0 22	13 8	1 3	15 48	1 5	18 2	1 53	10 38	0 48	22 31	0 47	2 4	14 27	15 21	15 6	5 32	14 53	1 47
W 6	22 1	0s 1	3 54	18 51	4 25	23 32	0 24	12 55	1 3	15 50	1 5	18 2	1 52	10 38	0 48	22 31	0 47	2 4	14 26	15 19	15 5	5 34	14 54	1 47
T 7	21 52	4 52	2 59	19 1	4 16	23 28	0 26	12 41	1 2	15 52	1 5	18 2	1 52	10 39	0 48	22 30	0 47	2 5	14 26	15 18	15 4	5 36	14 54	1 47
F 8	21 43	9 25	1 53	19 12	4 5	23 24	0 29	12 28	1 2	15 54	1 6	18 2	1 52	10 40	0 48	22 30	0 47	2 5	14 25	15 18	15 3	5 38	14 55	1 48
S 9	21 33	13 24	0 41	19 24	3 54	23 19	0 31	12 14	1 1	15 56	1 6	18 2	1 52	10 40	0 48	22 30	0 46	2 5	14 25	15 18	15 2	5 40	14 55	1 48
S 10	21 24	16 36	0n33	19 36	3 41	23 13	0 33	12 0	1 0	15 58	1 6	18 2	1 52	10 41	0 48	22 30	0 46	2 6	14 24	15 18	15 1	5 41	14 56	1 48
M11	21 13	18 49	1 44	19 49	3 28	23 6	0 35	11 46	1 0	16 1	1 6	18 1	1 51	10 41	0 48	22 30	0 46	2 6	14 24	15 18	15 0	5 43	14 56	1 48
T 12	21 3	19 54	2 48	20 2	3 14	22 59	0 38	11 32	0 59	16 3	1 7	18 1	1 51	10 42	0 48	22 30	0 46	2 7	14 23	15 16	14 59	5 45	14 57	1 48
W13	20 52	19 50	3 42	20 15	2 59	22 51	0 40	11 18	0 59	16 5	1 7	18 1	1 51	10 43	0 48	22 30	0 46	2 7	14 23	15 15	14 58	5 47	14 57	1 49
T 14	20 41	18 39	4 23	20 28	2 44	22 42	0 42	11 4	0 58	16 7	1 7	18 1	1 51	10 43	0 48	22 30	0 46	2 8	14 22	15 12	14 57	5 49	14 57	1 49
F 15	20 29	16 30	4 49	20 40	2 29	22 33	0 44	10 50	0 58	16 10	1 7	18 1	1 50	10 44	0 48	22 29	0 46	2 8	14 21	15 8	14 56	5 51	14 58	1 49
S 16	20 17	13 35	5 0	20 53	2 13	22 23	0 46	10 36	0 57	16 12	1 7	18 1	1 50	10 45	0 48	22 29	0 46	2 9	14 21	15 4	14 55	5 53	14 58	1 49
S 17	20 5	10 5	4 56	21 4	1 58	22 13	0 48	10 21	0 57	16 14	1 8	18 1	1 50	10 45	0 48	22 29	0 46	2 9	14 20	15 0	14 54	5 55	14 58	1 49
M18	19 52	6 14	4 38	21 15	1 42	22 1	0 50	10 7	0 56	16 17	1 8	18 1	1 50	10 46	0 48	22 29	0 46	2 10	14 20	14 57	14 53	5 57	14 59	1 50
T 19	19 39	2 11	4 8	21 25	1 26	21 49	0 52	9 52	0 56	16 19	1 8	18 1	1 50	10 47	0 48	22 29	0 46	2 10	14 19	14 54	14 52	5 59	14 59	1 50
W20	19 26	1n53	3 27	21 34	1 11	21 37	0 53	9 38	0 55	16 22	1 8	18 1	1 49	10 48	0 48	22 29	0 46	2 11	14 19	14 51	14 51	6 1	14 59	1 50
T 21	19 12	5 51	2 37	21 41	0 56	21 24	0 55	9 23	0 55	16 24	1 8	18 2	1 49	10 48	0 48	22 29	0 46	2 11	14 18	14 50	14 50	6 3	15 0	1 50
F 22	18 58	9 35	1 41	21 46	0 41	21 10	0 57	9 9	0 54	16 27	1 9	18 2	1 49	10 49	0 48	22 28	0 46	2 12	14 18	14 49	14 49	6 5	15 0	1 50
S 23	18 44	12 57	0 40	21 50	0 26	20 55	0 59	8 54	0 53	16 29	1 9	18 2	1 49	10 50	0 48	22 28	0 46	2 13	14 17	14 49	14 48	6 7	15 0	1 51
S 24	18 30	15 49	0s24	21 52	0 13	20 40	1 0	8 39	0 53	16 32	1 9	18 2	1 48	10 51	0 48	22 28	0 46	2 13	14 17	14 49	14 47	6 9	15 0	1 51
M25	18 15	18 2	1 27	21 51	0n 1	20 25	1 2	8 24	0 52	16 34	1 9	18 2	1 48	10 51	0 48	22 28	0 46	2 14	14 16	14 49	14 46	6 11	15 0	1 51
T 26	17 59	19 27	2 28	21 48	0 14	20 8	1 4	8 9	0 52	16 37	1 9	18 2	1 48	10 52	0 48	22 28	0 46	2 14	14 15	14 48	14 45	6 13	15 1	1 51
W27	17 44	19 54	3 23	21 42	0 26	19 52	1 5	7 54	0 51	16 39	1 9	18 3	1 48	10 53	0 48	22 28	0 46	2 15	14 15	14 47	14 43	6 15	15 1	1 51
T 28	17 28	19 18	4 8	21 34	0 37	19 34	1 7	7 39	0 51	16 42	1 9	18 3	1 47	10 54	0 48	22 28	0 47	2 16	14 14	14 45	14 42	6 17	15 1	1 52
F 29	17 12	17 34	4 42	21 24	0 47	19 16	1 8	7 24	0 50	16 44	1 10	18 3	1 47	10 55	0 48	22 28	0 47	2 16	14 14	14 42	14 41	6 18	15 1	1 52
S 30	16 56	14 45	4 59	21 10	0 57	18 58	1 9	7 8	0 50	16 47	1 10	18 4	1 47	10 55	0 48	22 27	0 47	2 17	14 13	14 38	14 40	6 20	15 1	1 52
S 31	16n39	11n 0	4s58	20n54	1n 6	18n39	1n11	6n53	0n49	16s49	1s10	18s 4	1n47	10s56	0s48	22n27	0s47	2s18	14n13	14s34	14s39	6n22	15n 1	1s52

Julian Day Number = 2177801.5, Delta T = 11m45s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'18, Lahiri = 13°24'18 Julian Calendar 1 July 1250 == Greg. Calendar 8 July 1250

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ASTRODIENST EPHEMERIS for the year 1250
geocentric

AUGUST 1250 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 5 57	15♌ 5'58	1♍54	3♌45	12♌20	15♍ 7	17°R10	28♏ 2	3°R40	9♋ 2	13♏14	8°R53	9♏16	10♈21	16♉26	M 1
T 2	21 9 53	16° 3'44	16°38	5°42	13°35	15°46	17♒ 2	28° 3	3♓38	9° 4	13°14	8♏44	9°13	10°27	16°27	T 2
W 3	21 13 50	17° 1'32	1♎21	7°40	14°49	16°24	16°54	28° 3	3°35	9° 6	13°15	8°37	9°10	10°34	16°27	W 3
T 4	21 17 46	17°59'22	15°55	9°38	16° 3	17° 2	16°46	28° 4	3°33	9° 8	13°15	8°34	9° 7	10°41	16°28	T 4
F 5	21 21 43	18°57'12	0♏16	11°38	17°18	17°41	16°38	28° 5	3°31	9°10	13°16	8°32	9° 4	10°47	16°29	F 5
S 6	21 25 39	19°55'04	14°23	13°38	18°32	18°19	16°30	28° 6	3°29	9°11	13°17	8°32	9° 0	10°54	16°29	S 6
S 7	21 29 36	20°52'57	28°13	15°38	19°46	18°58	16°22	28° 7	3°26	9°13	13°17	8°32	8°57	11° 1	16°30	S 7
M 8	21 33 33	21°50'51	11♐49	17°37	21° 1	19°36	16°15	28° 8	3°24	9°15	13°18	8°31	8°54	11° 7	16°30	M 8
T 9	21 37 29	22°48'47	25°11	19°37	22°15	20°15	16° 7	28°10	3°22	9°17	13°19	8°27	8°51	11°14	16°31	T 9
W10	21 41 26	23°46'44	8♑20	21°35	23°29	20°54	15°59	28°11	3°19	9°18	13°20	8°21	8°48	11°21	16°31	W10
T 11	21 45 22	24°44'42	21°16	23°33	24°44	21°32	15°51	28°13	3°17	9°20	13°20	8°12	8°44	11°27	16°31	T 11
F 12	21 49 19	25°42'42	4♒ 2	25°31	25°58	22°11	15°44	28°14	3°15	9°22	13°21	8° 1	8°41	11°34	16°32	F 12
S 13	21 53 15	26°40'44	16°35	27°27	27°13	22°50	15°36	28°16	3°12	9°23	13°22	7°49	8°38	11°41	16°32	S 13
S 14	21 57 12	27°38'47	28°58	29°22	28°27	23°29	15°28	28°18	3°10	9°25	13°23	7°37	8°35	11°47	16°32	S 14
M15	22 1 8	28°36'51	11♓10	1♍16	29°42	24° 8	15°21	28°19	3° 7	9°27	13°24	7°25	8°32	11°54	16°R32	M15
T 16	22 5 5	29°34'58	23°12	3° 9	0♍56	24°47	15°14	28°21	3° 5	9°28	13°25	7°16	8°29	12° 1	16°32	T 16
W17	22 9 2	0♍33'06	5♈ 6	5° 1	2°11	25°26	15° 6	28°23	3° 3	9°30	13°26	7° 9	8°25	12° 7	16°32	W17
T 18	22 12 58	1°31'16	16°55	6°52	3°25	26° 5	14°59	28°26	3° 0	9°31	13°27	7° 4	8°22	12°14	16°32	T 18
F 19	22 16 55	2°29'28	28°42	8°42	4°40	26°44	14°52	28°28	2°58	9°33	13°28	7° 2	8°19	12°21	16°31	F 19
S 20	22 20 51	3°27'42	10♉31	10°30	5°54	27°23	14°45	28°30	2°55	9°34	13°29	7°D 2	8°16	12°27	16°31	S 20
S 21	22 24 48	4°25'59	22°28	12°18	7° 9	28° 2	14°38	28°33	2°53	9°36	13°30	7° 3	8°13	12°34	16°31	S 21
M22	22 28 44	5°24'17	4♊36	14° 4	8°23	28°41	14°31	28°35	2°51	9°37	13°32	7°R 3	8°10	12°41	16°30	M22
T 23	22 32 41	6°22'38	17° 2	15°49	9°38	29°20	14°24	28°38	2°48	9°39	13°33	7° 2	8° 6	12°47	16°30	T 23
W24	22 36 37	7°21'00	29°51	17°33	10°52	29°59	14°17	28°40	2°46	9°40	13°34	7° 0	8° 3	12°54	16°29	W24
T 25	22 40 34	8°19'25	13♋ 6	19°15	12° 7	0♎39	14°11	28°43	2°43	9°41	13°35	6°55	8° 0	13° 1	16°29	T 25
F 26	22 44 30	9°17'52	26°50	20°57	13°22	1°19	14° 4	28°46	2°41	9°43	13°37	6°49	7°57	13° 7	16°28	F 26
S 27	22 48 27	10°16'21	11♌ 2	22°37	14°36	1°58	13°58	28°49	2°39	9°44	13°38	6°41	7°54	13°14	16°27	S 27
S 28	22 52 24	11°14'53	25°38	24°17	15°51	2°38	13°52	28°52	2°36	9°45	13°39	6°32	7°50	13°21	16°27	S 28
M29	22 56 20	12°13'26	10♍33	25°55	17° 6	3°17	13°46	28°55	2°34	9°46	13°41	6°23	7°47	13°27	16°26	M29
T 30	23 0 17	13°12'01	25°37	27°33	18°20	3°57	13°40	28°58	2°32	9°48	13°42	6°17	7°44	13°34	16°25	T 30
W31	23 4 13	14♍10'38	10♎41	29♍ 9	19♍35	4♎36	13♒34	29♏ 2	2♓29	9♋49	13♏43	6♏12	7♏41	13♈41	16♉24	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n22	6n32	4s37	20n35	1n14	18n19	1n12	6n38	0n49	16s52	1s10	18s 4	1n47	10s57	0s48	22n27	0s47	2s18	14n12	14s31	14s38	6n24	15n 1	1s52
T 2	16 5	1 38	3 58	20 14	1 21	17 59	1 13	6 22	0 48	16 54	1 10	18 5	1 46	10 58	0 48	22 27	0 47	2 19	14 12	14 28	14 37	6 26	15 1	1 53
W 3	15 48	3s20	3 3	19 50	1 27	17 38	1 14	6 7	0 47	16 57	1 10	18 5	1 46	10 59	0 48	22 27	0 47	2 20	14 11	14 26	14 36	6 28	15 1	1 53
T 4	15 30	8 5	1 57	19 23	1 32	17 17	1 16	5 51	0 47	16 59	1 10	18 5	1 46	11 0	0 48	22 27	0 47	2 20	14 11	14 25	14 35	6 30	15 1	1 53
F 5	15 12	12 18	0 44	18 55	1 37	16 56	1 17	5 36	0 46	17 2	1 10	18 6	1 46	11 0	0 48	22 27	0 47	2 21	14 10	14 24	14 34	6 32	15 1	1 53
S 6	14 54	15 43	0n31	18 24	1 40	16 34	1 18	5 20	0 46	17 4	1 11	18 6	1 45	11 1	0 48	22 26	0 47	2 22	14 9	14 24	14 33	6 34	15 1	1 54
S 7	14 35	18 11	1 42	17 51	1 43	16 11	1 18	5 5	0 45	17 7	1 11	18 7	1 45	11 2	0 48	22 26	0 47	2 22	14 9	14 24	14 32	6 36	15 1	1 54
M 8	14 17	19 32	2 47	17 17	1 45	15 48	1 19	4 49	0 45	17 9	1 11	18 7	1 45	11 3	0 48	22 26	0 47	2 23	14 8	14 24	14 31	6 38	15 1	1 54
T 9	13 58	19 46	3 41	16 40	1 46	15 25	1 20	4 33	0 44	17 12	1 11	18 8	1 45	11 4	0 48	22 26	0 47	2 24	14 8	14 23	14 30	6 40	15 1	1 54
W10	13 39	18 55	4 22	16 3	1 47	15 1	1 21	4 17	0 44	17 14	1 11	18 8	1 44	11 5	0 48	22 26	0 47	2 25	14 7	14 21	14 29	6 41	15 1	1 54
T 11	13 20	17 5	4 49	15 24	1 46	14 37	1 22	4 2	0 43	17 16	1 11	18 9	1 44	11 6	0 48	22 26	0 47	2 25	14 7	14 18	14 28	6 43	15 1	1 55
F 12	13 0	14 27	5 1	14 43	1 46	14 12	1 22	3 46	0 42	17 19	1 11	18 9	1 44	11 6	0 48	22 26	0 47	2 26	14 6	14 14	14 27	6 45	15 1	1 55
S 13	12 40	11 11	4 58	14 2	1 44	13 47	1 23	3 30	0 42	17 21	1 11	18 10	1 44	11 7	0 48	22 26	0 47	2 27	14 6	14 10	14 26	6 47	15 0	1 55
S 14	12 20	7 29	4 41	13 20	1 42	13 22	1 23	3 14	0 41	17 23	1 11	18 11	1 44	11 8	0 48	22 25	0 47	2 28	14 5	14 6	14 25	6 49	15 0	1 55
M15	12 0	3 31	4 12	12 37	1 40	12 56	1 24	2 58	0 41	17 26	1 11	18 11	1 43	11 9	0 48	22 25	0 47	2 28	14 5	14 3	14 24	6 51	15 0	1 55
T 16	11 40	0n31	3 31	11 53	1 37	12 30	1 24	2 42	0 40	17 28	1 11	18 12	1 43	11 10	0 48	22 25	0 47	2 29	14 4	13 59	14 23	6 53	15 0	1 56
W17	11 19	4 30	2 42	11 9	1 33	12 3	1 24	2 26	0 40	17 30	1 11	18 13	1 43	11 11	0 48	22 25	0 47	2 30	14 4	13 57	14 22	6 55	15 0	1 56
T 18	10 59	8 18	1 45	10 24	1 29	11 36	1 24	2 10	0 39	17 32	1 11	18 13	1 43	11 12	0 48	22 25	0 47	2 31	14 3	13 56	14 21	6 57	14 59	1 56
F 19	10 38	11 45	0 44	9 39	1 25	11 9	1 25	1 54	0 39	17 35	1 11	18 14	1 42	11 12	0 48	22 25	0 47	2 31	14 3	13 55	14 20	6 58	14 59	1 56
S 20	10 17	14 44	0s19	8 54	1 20	10 42	1 25	1 38	0 38	17 37	1 11	18 15	1 42	11 13	0 48	22 25	0 47	2 32	14 2	13 55	14 19	7 0	14 59	1 57
S 21	9 55	17 9	1 22	8 8	1 15	10 14	1 25	1 21	0 37	17 39	1 11	18 15	1 42	11 14	0 48	22 25	0 47	2 33	14 2	13 55	14 18	7 2	14 59	1 57
M22	9 34	18 49	2 22	7 22	1 10	9 46	1 25	1 5	0 37	17 41	1 11	18 16	1 42	11 15	0 48	22 24	0 47	2 34	14 1	13 55	14 17	7 4	14 58	1 57
T 23	9 12	19 38	3 17	6 36	1 4	9 18	1 25	0 49	0 36	17 43	1 11	18 17	1 42	11 16	0 48	22 24	0 47	2 35	14 1	13 55	14 16	7 6	14 58	1 57
W24	8 51	19 28	4 4	5 50	0 59	8 49	1 25	0 33	0 36	17 45	1 11	18 18	1 41	11 17	0 48	22 24	0 47	2 35	14 0	13 54	14 15	7 8	14 58	1 57
T 25	8 29	18 14	4 40	5 4	0 53	8 20	1 24	0 17	0 35	17 47	1 11	18 19	1 41	11 18	0 48	22 24	0 47	2 36	14 0	13 53	14 14	7 10	14 57	1 58
F 26	8 7	15 57	5 1	4 19	0 46	7 51	1 24	0 0	0 35	17 49	1 11	18 19	1 41	11 19	0 48	22 24	0 47	2 37	13 59	13 51	14 13	7 12	14 57	1 58
S 27	7 45	12 38	5 5	3 33	0 40	7 22	1 24	0s16	0 34	17 50	1 11	18 20	1 41	11 19	0 48	22 24	0 47	2 38	13 59	13 48	14 12	7 13	14 56	1 58
S 28	7 22	8 29	4 49	2 47	0 33	6 53	1 23	0 32	0 33	17 52	1 11	18 21	1 40	11 20	0 48	22 24	0 47	2 39	13 58	13 45	14 11	7 15	14 56	1 58
M29	7 0	3 44	4 14	2 2	0 26	6 23	1 23	0 49	0 33	17 54	1 11	18 22	1 40	11 21	0 48	22 24	0 47	2 40	13 58	13 42	14 10	7 17	14 55	1 58
T 30	6 38	1s19	3 20	1 17	0 20	5 53	1 22	1 5	0 32	17 56	1 11	18 23	1 40	11 22	0 48	22 24	0 47	2 40	13 57	13 40	14 9	7 19	14 55	1 59
W31	6n15	6s17	2s13	0n32	0n12	5n23	1n22	1s21	0n32	17s57	1s11	18s24	1n40	11s23	0s48	22n24	0s47	2s41	13n57	13s38	14s 8	7n21	14n55	1s59

Julian Day Number = 2177832.5, Delta T = 11m45s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'22, Lahiri = 13°24'23 Julian Calendar 1 Aug. 1250 == Greg. Calendar 8 Aug. 1250

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ASTRODIENST EPHEMERIS for the year 1250
geocentric

SEPTEMBER 1250 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 8 10	15♍ 9'16	25♎36	0♎44	20♍50	5♎16	13°R28	29♏ 5	2°R27	9♋50	13♏45	6°R10	7♏38	13♈47	16°R23	T 1
F 2	23 12 6	16° 7'57	10♏15	2°19	22° 5	5°56	13♒23	29° 8	2♓25	9°51	13°46	6°D 9	7°35	13°54	16♉22	F 2
S 3	23 16 3	17° 6'39	24°33	3°52	23°19	6°36	13°18	29°12	2°22	9°52	13°48	6♏10	7°31	14° 0	16°21	S 3
S 4	23 19 59	18° 5'23	8♐30	5°24	24°34	7°16	13°12	29°16	2°20	9°53	13°49	6°11	7°28	14° 7	16°19	S 4
M 5	23 23 56	19° 4'09	22° 5	6°56	25°49	7°56	13° 7	29°19	2°18	9°54	13°51	6°R11	7°25	14°14	16°18	M 5
T 6	23 27 53	20° 2'57	5♑21	8°26	27° 4	8°36	13° 3	29°23	2°16	9°55	13°53	6°10	7°22	14°20	16°17	T 6
W 7	23 31 49	21° 1'46	18°18	9°55	28°18	9°16	12°58	29°27	2°13	9°56	13°54	6° 7	7°19	14°27	16°15	W 7
T 8	23 35 46	22° 0'37	1♒ 1	11°24	29°33	9°56	12°53	29°31	2°11	9°57	13°56	6° 2	7°15	14°34	16°14	T 8
F 9	23 39 42	22°59'30	13°30	12°51	0♎48	10°36	12°49	29°35	2° 9	9°58	13°58	5°55	7°12	14°40	16°12	F 9
S 10	23 43 39	23°58'24	25°49	14°17	2° 3	11°16	12°45	29°39	2° 7	9°59	13°59	5°48	7° 9	14°47	16°11	S 10
S 11	23 47 35	24°57'21	7♓57	15°43	3°17	11°56	12°41	29°43	2° 5	10° 0	14° 1	5°40	7° 6	14°54	16° 9	S 11
M12	23 51 32	25°56'19	19°59	17° 7	4°32	12°36	12°37	29°47	2° 2	10° 1	14° 3	5°33	7° 3	15° 0	16° 8	M12
T 13	23 55 28	26°55'20	1♈53	18°30	5°47	13°17	12°33	29°52	2° 0	10° 2	14° 5	5°27	7° 0	15° 7	16° 6	T 13
W14	23 59 25	27°54'22	13°43	19°52	7° 2	13°57	12°30	29°56	1°58	10° 2	14° 6	5°23	6°56	15°14	16° 4	W14
T 15	0 3 22	28°53'27	25°31	21°13	8°16	14°37	12°27	0♐ 1	1°56	10° 3	14° 8	5°21	6°53	15°20	16° 2	T 15
F 16	0 7 18	29°52'34	7♉18	22°33	9°31	15°18	12°24	0° 5	1°54	10° 4	14°10	5°D20	6°50	15°27	16° 0	F 16
S 17	0 11 15	0♎51'44	19° 9	23°52	10°46	15°58	12°21	0°10	1°52	10° 4	14°12	5°21	6°47	15°34	15°58	S 17
S 18	0 15 11	1°50'55	1♊ 6	25° 9	12° 1	16°39	12°18	0°15	1°50	10° 5	14°14	5°22	6°44	15°40	15°56	S 18
M19	0 19 8	2°50'09	13°15	26°25	13°16	17°20	12°16	0°19	1°48	10° 6	14°16	5°24	6°41	15°47	15°54	M19
T 20	0 23 4	3°49'25	25°40	27°39	14°31	18° 0	12°13	0°24	1°46	10° 6	14°18	5°25	6°37	15°54	15°52	T 20
W21	0 27 1	4°48'44	8♋25	28°52	15°45	18°41	12°11	0°29	1°44	10° 7	14°20	5°R26	6°34	16° 0	15°50	W21
T 22	0 30 57	5°48'05	21°34	0♏ 4	17° 0	19°22	12° 9	0°34	1°42	10° 7	14°22	5°25	6°31	16° 7	15°48	T 22
F 23	0 34 54	6°47'28	5♌11	1°13	18°15	20° 3	12° 8	0°39	1°41	10° 8	14°24	5°22	6°28	16°14	15°46	F 23
S 24	0 38 50	7°46'54	19°16	2°21	19°30	20°43	12° 6	0°44	1°39	10° 8	14°26	5°19	6°25	16°20	15°43	S 24
S 25	0 42 47	8°46'22	3♍48	3°26	20°45	21°24	12° 5	0°49	1°37	10° 8	14°28	5°15	6°21	16°27	15°41	S 25
M26	0 46 44	9°45'52	18°42	4°29	22° 0	22° 5	12° 4	0°54	1°35	10° 9	14°30	5°11	6°18	16°34	15°39	M26
T 27	0 50 40	10°45'24	3♎51	5°30	23°14	22°46	12° 3	1° 0	1°34	10° 9	14°32	5° 9	6°15	16°40	15°36	T 27
W28	0 54 37	11°44'59	19° 5	6°28	24°29	23°28	12° 2	1° 5	1°32	10° 9	14°34	5° 7	6°12	16°47	15°34	W28
T 29	0 58 33	12°44'35	4♏14	7°23	25°44	24° 9	12° 1	1°10	1°30	10°10	14°36	5°D 6	6° 9	16°54	15°31	T 29
F 30	1 2 30	13♎44'14	19♏10	8♏15	26♎59	24♎50	12♒ 1	1♐16	1♓29	10♋10	14♏38	5♏ 6	6♏ 6	17♈ 0	15♉29	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n52	10s49	0s57	0s13	0n 5	4n53	1n21	1s38	0n31	17s59	1s11	18s25	1n40	11s24	0s48	22n23	0s47	2s42	13n56	13s38	14s 7	7n23	14n54	1s59
F 2	5 30	14 36	0n22	0 57	0s 2	4 23	1 20	1 54	0 31	18 0	1 11	18 26	1 39	11 24	0 48	22 23	0 47	2 43	13 56	13 38	14 6	7 25	14 53	1 59
S 3	5 7	17 24	1 38	1 41	0 9	3 53	1 19	2 10	0 30	18 2	1 11	18 27	1 39	11 25	0 48	22 23	0 47	2 44	13 55	13 38	14 5	7 26	14 53	2 0
S 4	4 44	19 5	2 46	2 25	0 17	3 22	1 19	2 27	0 29	18 3	1 11	18 28	1 39	11 26	0 48	22 23	0 47	2 45	13 55	13 38	14 4	7 28	14 52	2 0
M 5	4 21	19 36	3 42	3 8	0 24	2 51	1 18	2 43	0 29	18 5	1 11	18 29	1 39	11 27	0 48	22 23	0 47	2 46	13 54	13 38	14 2	7 30	14 52	2 0
T 6	3 57	19 0	4 26	3 50	0 32	2 21	1 17	2 59	0 28	18 6	1 11	18 30	1 39	11 28	0 48	22 23	0 47	2 47	13 54	13 38	14 1	7 32	14 51	2 0
W 7	3 34	17 25	4 54	4 33	0 39	1 50	1 16	3 16	0 28	18 7	1 11	18 31	1 38	11 28	0 48	22 23	0 47	2 47	13 54	13 37	14 0	7 34	14 51	2 0
T 8	3 11	15 0	5 8	5 14	0 47	1 19	1 15	3 32	0 27	18 8	1 11	18 32	1 38	11 29	0 48	22 23	0 47	2 48	13 53	13 35	13 59	7 36	14 50	2 1
F 9	2 48	11 56	5 6	5 56	0 54	0 48	1 13	3 48	0 27	18 10	1 11	18 33	1 38	11 30	0 48	22 23	0 47	2 49	13 53	13 33	13 58	7 38	14 49	2 1
S 10	2 24	8 24	4 51	6 36	1 2	0 17	1 12	4 5	0 26	18 11	1 11	18 34	1 38	11 31	0 48	22 23	0 47	2 50	13 52	13 30	13 57	7 39	14 49	2 1
S 11	2 1	4 34	4 22	7 16	1 9	0s14	1 11	4 21	0 25	18 12	1 11	18 35	1 38	11 32	0 48	22 23	0 47	2 51	13 52	13 28	13 56	7 41	14 48	2 1
M12	1 37	0 35	3 42	7 56	1 17	0 45	1 10	4 37	0 25	18 13	1 10	18 36	1 37	11 32	0 48	22 22	0 47	2 52	13 51	13 25	13 55	7 43	14 47	2 1
T 13	1 14	3n23	2 52	8 34	1 24	1 16	1 8	4 53	0 24	18 14	1 10	18 37	1 37	11 33	0 48	22 22	0 47	2 53	13 51	13 23	13 54	7 45	14 47	2 2
W14	0 50	7 12	1 55	9 12	1 31	1 47	1 7	5 10	0 24	18 15	1 10	18 38	1 37	11 34	0 48	22 22	0 47	2 54	13 51	13 22	13 53	7 47	14 46	2 2
T 15	0 27	10 44	0 53	9 50	1 38	2 18	1 5	5 26	0 23	18 16	1 10	18 39	1 37	11 35	0 48	22 22	0 47	2 54	13 50	13 21	13 52	7 49	14 45	2 2
F 16	0 3	13 50	0s11	10 26	1 46	2 49	1 4	5 42	0 22	18 16	1 10	18 41	1 37	11 35	0 48	22 22	0 47	2 55	13 50	13 21	13 51	7 50	14 45	2 2
S 17	0s21	16 23	1 15	11 2	1 53	3 20	1 2	5 58	0 22	18 17	1 10	18 42	1 36	11 36	0 48	22 22	0 47	2 56	13 49	13 21	13 50	7 52	14 44	2 2
S 18	0 44	18 14	2 17	11 37	1 59	3 51	1 0	6 15	0 21	18 18	1 10	18 43	1 36	11 37	0 48	22 22	0 47	2 57	13 49	13 22	13 49	7 54	14 43	2 3
M19	1 8	19 17	3 13	12 11	2 6	4 21	0 59	6 31	0 21	18 18	1 10	18 44	1 36	11 37	0 48	22 22	0 47	2 58	13 49	13 23	13 48	7 56	14 42	2 3
T 20	1 32	19 26	4 2	12 44	2 13	4 52	0 57	6 47	0 20	18 19	1 10	18 45	1 36	11 38	0 48	22 22	0 47	2 59	13 48	13 23	13 47	7 58	14 42	2 3
W21	1 55	18 36	4 40	13 17	2 19	5 23	0 55	7 3	0 19	18 19	1 10	18 46	1 36	11 39	0 48	22 22	0 47	3 0	13 48	13 23	13 46	7 59	14 41	2 3
T 22	2 19	16 47	5 5	13 48	2 25	5 53	0 53	7 19	0 19	18 20	1 10	18 48	1 35	11 39	0 48	22 22	0 47	3 1	13 48	13 23	13 45	8 1	14 40	2 3
F 23	2 42	13 58	5 14	14 18	2 31	6 23	0 51	7 35	0 18	18 20	1 9	18 49	1 35	11 40	0 48	22 22	0 47	3 2	13 47	13 22	13 44	8 3	14 39	2 4
S 24	3 6	10 16	5 5	14 47	2 36	6 54	0 49	7 51	0 18	18 21	1 9	18 50	1 35	11 41	0 48	22 22	0 47	3 2	13 47	13 21	13 43	8 5	14 38	2 4
S 25	3 29	5 52	4 36	15 14	2 42	7 24	0 48	8 7	0 17	18 21	1 9	18 51	1 35	11 41	0 48	22 22	0 47	3 3	13 47	13 19	13 42	8 7	14 37	2 4
M26	3 53	0 59	3 48	15 41	2 47	7 54	0 45	8 23	0 17	18 21	1 9	18 53	1 35	11 42	0 48	22 22	0 47	3 4	13 46	13 18	13 41	8 9	14 37	2 4
T 27	4 16	4s 2	2 44	16 6	2 51	8 24	0 43	8 39	0 16	18 21	1 9	18 54	1 35	11 42	0 48	22 22	0 47	3 5	13 46	13 17	13 39	8 10	14 36	2 4
W28	4 40	8 51	1 27	16 29	2 55	8 53	0 41	8 55	0 15	18 21	1 9	18 55	1 34	11 43	0 48	22 22	0 47	3 6	13 46	13 17	13 38	8 12	14 35	2 4
T 29	5 3	13 3	0 5	16 51	2 59	9 23	0 39	9 10	0 15	18 21	1 9	18 56	1 34	11 43	0 48	22 22	0 47	3 7	13 45	13 16	13 37	8 14	14 34	2 5
F 30	5s26	16s21	1n17	17s11	3s 2	9s52	0n37	9s26	0n14	18s21	1s 9	18s58	1n34	11s44	0s48	22n21	0s47	3s 8	13n45	13s17	13s36	8n16	14n33	2s 5

Julian Day Number = 2177863.5, Delta T = 11m45s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'26, Lahiri = 13°24'27 Julian Calendar 1 Sept. 1250 == Greg. Calendar 8 Sept. 1250

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ASTRODIENST EPHEMERIS for the year 1250
geocentric

OCTOBER 1250 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 6 26	14♎43'54	3♐44	9♏ 3	28♎14	25♎31	12°D 1	1♐21	1°R27	10♋10	14♏40	5♏ 8	6♏ 2	17♈ 7	15°R26	S 1
S 2	1 10 23	15°43'36	17°55	9°47	29°29	26°12	12♒ 1	1°27	1♓26	10°10	14°42	5° 9	5°59	17°13	15♉23	S 2
M 3	1 14 19	16°43'20	1♑39	10°27	0♏43	26°54	12° 1	1°33	1°24	10°10	14°45	5°10	5°56	17°20	15°21	M 3
T 4	1 18 16	17°43'06	14°58	11° 2	1°58	27°35	12° 2	1°38	1°23	10°11	14°47	5°R11	5°53	17°27	15°18	T 4
W 5	1 22 13	18°42'53	27°54	11°32	3°13	28°17	12° 2	1°44	1°21	10°11	14°49	5°10	5°50	17°33	15°15	W 5
T 6	1 26 9	19°42'42	10♒31	11°55	4°28	28°58	12° 3	1°50	1°20	10°R11	14°51	5° 9	5°46	17°40	15°13	T 6
F 7	1 30 6	20°42'33	22°51	12°12	5°43	29°40	12° 4	1°56	1°19	10°11	14°53	5° 8	5°43	17°47	15°10	F 7
S 8	1 34 2	21°42'25	5♓ 0	12°22	6°58	0♏21	12° 6	2° 2	1°17	10°11	14°56	5° 6	5°40	17°53	15° 7	S 8
S 9	1 37 59	22°42'20	16°59	12°R25	8°13	1° 3	12° 7	2° 8	1°16	10°11	14°58	5° 4	5°37	18° 0	15° 4	S 9
M10	1 41 55	23°42'16	28°52	12°19	9°27	1°45	12° 9	2°14	1°15	10°10	15° 0	5° 2	5°34	18° 7	15° 1	M10
T 11	1 45 52	24°42'14	10♈42	12° 4	10°42	2°26	12°11	2°20	1°14	10°10	15° 2	5° 1	5°31	18°13	14°58	T 11
W12	1 49 48	25°42'13	22°30	11°41	11°57	3° 8	12°13	2°26	1°13	10°10	15° 5	5° 0	5°27	18°20	14°55	W12
T 13	1 53 45	26°42'15	4♉19	11° 8	13°12	3°50	12°15	2°32	1°12	10°10	15° 7	5°D 0	5°24	18°27	14°52	T 13
F 14	1 57 42	27°42'19	16°11	10°25	14°27	4°32	12°18	2°38	1°11	10°10	15° 9	5° 0	5°21	18°33	14°49	F 14
S 15	2 1 38	28°42'24	28° 8	9°33	15°41	5°14	12°20	2°44	1°10	10° 9	15°12	5° 0	5°18	18°40	14°46	S 15
S 16	2 5 35	29°42'32	10♊13	8°33	16°56	5°56	12°23	2°50	1° 9	10° 9	15°14	5° 1	5°15	18°47	14°43	S 16
M17	2 9 31	0♏42'42	22°29	7°25	18°11	6°38	12°26	2°57	1° 8	10° 9	15°16	5° 2	5°12	18°53	14°40	M17
T 18	2 13 28	1°42'53	4♋58	6°12	19°26	7°20	12°30	3° 3	1° 7	10° 8	15°19	5° 2	5° 8	19° 0	14°37	T 18
W19	2 17 24	2°43'07	17°43	4°54	20°41	8° 2	12°33	3°10	1° 6	10° 8	15°21	5° 2	5° 5	19° 7	14°34	W19
T 20	2 21 21	3°43'23	0♌49	3°35	21°56	8°45	12°37	3°16	1° 6	10° 7	15°23	5°R 2	5° 2	19°13	14°31	T 20
F 21	2 25 17	4°43'41	14°16	2°17	23°10	9°27	12°41	3°22	1° 5	10° 7	15°26	5°D 2	4°59	19°20	14°27	F 21
S 22	2 29 14	5°44'01	28° 9	1° 2	24°25	10° 9	12°45	3°29	1° 4	10° 6	15°28	5° 2	4°56	19°26	14°24	S 22
S 23	2 33 11	6°44'23	12♍25	29♎52	25°40	10°52	12°49	3°35	1° 4	10° 6	15°31	5° 2	4°52	19°33	14°21	S 23
M24	2 37 7	7°44'47	27° 3	28°51	26°55	11°34	12°53	3°42	1° 3	10° 5	15°33	5° 3	4°49	19°40	14°18	M24
T 25	2 41 4	8°45'13	11♎59	27°59	28°10	12°17	12°58	3°49	1° 3	10° 5	15°35	5° 3	4°46	19°46	14°15	T 25
W26	2 45 0	9°45'41	27° 6	27°18	29°24	12°59	13° 3	3°55	1° 2	10° 4	15°38	5° 3	4°43	19°53	14°12	W26
T 27	2 48 57	10°46'10	12♏14	26°49	0♐39	13°42	13° 7	4° 2	1° 2	10° 3	15°40	5°R 3	4°40	20° 0	14° 8	T 27
F 28	2 52 53	11°46'41	27°14	26°31	1°54	14°24	13°13	4° 9	1° 1	10° 3	15°42	5° 3	4°37	20° 6	14° 5	F 28
S 29	2 56 50	12°47'14	11♐59	26°D25	3° 9	15° 7	13°18	4°15	1° 1	10° 2	15°45	5° 2	4°33	20°13	14° 2	S 29
S 30	3 0 46	13°47'48	26°20	26°30	4°24	15°50	13°23	4°22	1° 1	10° 1	15°47	5° 1	4°30	20°20	13°59	S 30
M31	3 4 43	14♏48'24	10♑16	26♎45	5♐38	16♏33	13♒29	4♐29	1♓ 1	10♋ 0	15♏50	5♏ 0	4♏27	20♈26	13♉55	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s50	18s30	2n32	17s29	3s 5	10s21	0n35	9s42	0n14	18s21	1s 8	18s59	1n34	11s45	0s48	22n21	0s47	3s 9	13n45	13s17	13s35	8n18	14n32	2s 5
S 2	6 13	19 25	3 35	17 45	3 7	10 49	0 33	9 57	0 13	18 21	1 8	19 0	1 34	11 45	0 48	22 21	0 47	3 9	13 44	13 17	13 34	8 19	14 31	2 5
M 3	6 36	19 7	4 24	17 59	3 8	11 18	0 30	10 13	0 12	18 21	1 8	19 1	1 34	11 46	0 48	22 21	0 47	3 10	13 44	13 18	13 33	8 21	14 30	2 5
T 4	6 59	17 46	4 57	18 11	3 8	11 46	0 28	10 28	0 12	18 21	1 8	19 3	1 34	11 46	0 48	22 21	0 47	3 11	13 44	13 18	13 32	8 23	14 29	2 5
W 5	7 22	15 32	5 14	18 20	3 8	12 14	0 26	10 44	0 11	18 20	1 8	19 4	1 33	11 47	0 48	22 21	0 47	3 12	13 44	13 18	13 31	8 25	14 28	2 6
T 6	7 44	12 37	5 15	18 26	3 7	12 42	0 23	10 59	0 11	18 20	1 8	19 5	1 33	11 47	0 48	22 21	0 47	3 13	13 43	13 18	13 30	8 26	14 27	2 6
F 7	8 7	9 12	5 2	18 29	3 4	13 9	0 21	11 14	0 10	18 19	1 8	19 7	1 33	11 47	0 48	22 21	0 47	3 14	13 43	13 17	13 29	8 28	14 26	2 6
S 8	8 30	5 27	4 35	18 28	3 0	13 36	0 19	11 30	0 9	18 19	1 8	19 8	1 33	11 48	0 47	22 21	0 47	3 15	13 43	13 16	13 28	8 30	14 25	2 6
S 9	8 52	1 32	3 56	18 24	2 56	14 3	0 16	11 45	0 9	18 18	1 7	19 9	1 33	11 48	0 47	22 21	0 47	3 15	13 43	13 16	13 27	8 32	14 24	2 6
M10	9 14	2n25	3 7	18 17	2 49	14 29	0 14	12 0	0 8	18 18	1 7	19 11	1 33	11 49	0 47	22 21	0 47	3 16	13 42	13 15	13 26	8 34	14 24	2 6
T 11	9 36	6 15	2 11	18 5	2 41	14 55	0 11	12 15	0 8	18 17	1 7	19 12	1 32	11 49	0 47	22 21	0 47	3 17	13 42	13 15	13 25	8 35	14 23	2 7
W12	9 58	9 51	1 9	17 48	2 32	15 21	0 9	12 30	0 7	18 16	1 7	19 13	1 32	11 49	0 47	22 21	0 47	3 18	13 42	13 14	13 24	8 37	14 22	2 7
T 13	10 20	13 4	0 4	17 27	2 21	15 46	0 6	12 45	0 6	18 16	1 7	19 15	1 32	11 50	0 47	22 21	0 47	3 19	13 42	13 14	13 23	8 39	14 20	2 7
F 14	10 42	15 46	1s 2	17 1	2 8	16 11	0 4	13 0	0 6	18 15	1 7	19 16	1 32	11 50	0 47	22 21	0 48	3 20	13 42	13 14	13 21	8 41	14 19	2 7
S 15	11 3	17 47	2 5	16 31	1 53	16 35	0 1	13 14	0 5	18 14	1 7	19 17	1 32	11 50	0 47	22 21	0 48	3 20	13 41	13 15	13 20	8 42	14 18	2 7
S 16	11 25	19 2	3 4	15 56	1 36	16 59	0s 1	13 29	0 5	18 13	1 7	19 19	1 32	11 51	0 47	22 21	0 48	3 21	13 41	13 15	13 19	8 44	14 17	2 7
M17	11 46	19 25	3 55	15 17	1 19	17 23	0 4	13 43	0 4	18 12	1 6	19 20	1 32	11 51	0 47	22 21	0 48	3 22	13 41	13 15	13 18	8 46	14 16	2 7
T 18	12 7	18 51	4 36	14 34	0 59	17 46	0 6	13 58	0 3	18 11	1 6	19 21	1 32	11 51	0 47	22 21	0 48	3 23	13 41	13 15	13 17	8 48	14 15	2 7
W19	12 28	17 20	5 4	13 49	0 39	18 8	0 9	14 12	0 3	18 10	1 6	19 23	1 31	11 51	0 47	22 21	0 48	3 24	13 41	13 15	13 16	8 49	14 14	2 8
T 20	12 48	14 53	5 17	13 3	0 19	18 30	0 12	14 26	0 2	18 9	1 6	19 24	1 31	11 52	0 47	22 21	0 48	3 25	13 41	13 15	13 15	8 51	14 13	2 8
F 21	13 9	11 36	5 14	12 17	0n 2	18 52	0 14	14 40	0 2	18 7	1 6	19 25	1 31	11 52	0 47	22 21	0 48	3 25	13 40	13 15	13 14	8 53	14 12	2 8
S 22	13 29	7 35	4 53	11 32	0 22	19 13	0 17	14 54	0 1	18 6	1 6	19 27	1 31	11 52	0 47	22 21	0 48	3 26	13 40	13 15	13 13	8 55	14 11	2 8
S 23	13 49	3 2	4 13	10 49	0 42	19 34	0 19	15 8	0 0	18 5	1 6	19 28	1 31	11 52	0 47	22 21	0 48	3 27	13 40	13 15	13 12	8 56	14 10	2 8
M24	14 9	1s49	3 16	10 10	1 0	19 54	0 22	15 22	0s 0	18 3	1 5	19 29	1 31	11 52	0 47	22 21	0 48	3 28	13 40	13 15	13 11	8 58	14 9	2 8
T 25	14 28	6 40	2 5	9 36	1 17	20 13	0 24	15 36	0 1	18 2	1 5	19 31	1 31	11 53	0 47	22 21	0 48	3 28	13 40	13 15	13 10	9 0	14 8	2 8
W26	14 48	11 10	0 44	9 8	1 32	20 32	0 27	15 49	0 2	18 1	1 5	19 32	1 31	11 53	0 47	22 22	0 48	3 29	13 40	13 15	13 9	9 2	14 7	2 8
T 27	15 7	14 56	0n40	8 45	1 45	20 51	0 29	16 3	0 2	17 59	1 5	19 33	1 30	11 53	0 47	22 22	0 48	3 30	13 40	13 15	13 8	9 3	14 6	2 9
F 28	15 26	17 40	2 0	8 28	1 56	21 9	0 32	16 16	0 3	17 57	1 5	19 35	1 30	11 53	0 47	22 22	0 48	3 31	13 40	13 15	13 7	9 5	14 5	2 9
S 29	15 44	19 9	3 11	8 17	2 5	21 26	0 34	16 29	0 3	17 56	1 5	19 36	1 30	11 53	0 47	22 22	0 48	3 31	13 39	13 15	13 5	9 7	14 4	2 9
S 30	16 3	19 21	4 8	8 12	2 12	21 43	0 37	16 42	0 4	17 54	1 5	19 37	1 30	11 53	0 47	22 22	0 48	3 32	13 39	13 15	13 4	9 9	14 3	2 9
M31	16s21	18s20	4n49	8s13	2n18	21s59	0s39	16s55	0s 5	17s52	1s 5	19s39	1n30	11s53	0s47	22n22	0s48	3s33	13n39	13s14	13s 3	9n10	14n 2	2s 9

Julian Day Number = 2177893.5, Delta T = 11m45s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'30, Lahiri = 13°24'31 Julian Calendar 1 Oct. 1250 == Greg. Calendar 8 Oct. 1250

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ASTRODIENST EPHEMERIS for the year 1250
geocentric

NOVEMBER 1250 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 8 40	15♏49'01	23♉44	27♎10	6♐53	17♏16	13♒35	4♐36	1°R 1	10°R 0	15♏52	4°R59	4♏24	20♈33	13°R52	T 1
W 2	3 12 36	16°49'39	6♒46	27°44	8° 8	17°59	13°41	4°43	1♓ 1	9♋59	15°55	4♏58	4°21	20°40	13♉49	W 2
T 3	3 16 33	17°50'18	19°25	28°26	9°23	18°42	13°47	4°49	1°D 1	9°58	15°57	4°D58	4°18	20°46	13°46	T 3
F 4	3 20 29	18°50'58	1♓44	29°14	10°37	19°25	13°53	4°56	1° 1	9°57	15°59	4°58	4°14	20°53	13°43	F 4
S 5	3 24 26	19°51'39	13°49	0♏ 9	11°52	20° 8	14° 0	5° 3	1° 1	9°56	16° 2	4°59	4°11	21° 0	13°39	S 5
S 6	3 28 22	20°52'22	25°44	1° 9	13° 7	20°51	14° 7	5°10	1° 1	9°55	16° 4	5° 1	4° 8	21° 6	13°36	S 6
M 7	3 32 19	21°53'06	7♈33	2°14	14°22	21°34	14°13	5°17	1° 1	9°54	16° 7	5° 2	4° 5	21°13	13°33	M 7
T 8	3 36 15	22°53'51	19°20	3°23	15°36	22°17	14°20	5°24	1° 1	9°53	16° 9	5° 3	4° 2	21°20	13°30	T 8
W 9	3 40 12	23°54'37	1♉ 9	4°36	16°51	23° 0	14°28	5°31	1° 1	9°52	16°11	5°R 4	3°58	21°26	13°27	W 9
T 10	3 44 8	24°55'24	13° 2	5°51	18° 6	23°44	14°35	5°38	1° 2	9°51	16°14	5° 4	3°55	21°33	13°23	T 10
F 11	3 48 5	25°56'12	25° 3	7° 9	19°20	24°27	14°42	5°45	1° 2	9°50	16°16	5° 3	3°52	21°39	13°20	F 11
S 12	3 52 2	26°57'02	7♊12	8°30	20°35	25°10	14°50	5°52	1° 3	9°49	16°18	5° 0	3°49	21°46	13°17	S 12
S 13	3 55 58	27°57'53	19°31	9°52	21°50	25°54	14°58	5°59	1° 3	9°47	16°21	4°57	3°46	21°53	13°14	S 13
M14	3 59 55	28°58'46	2♋ 1	11°15	23° 4	26°37	15° 6	6° 6	1° 4	9°46	16°23	4°53	3°43	21°59	13°11	M14
T 15	4 3 51	29°59'39	14°44	12°40	24°19	27°21	15°14	6°13	1° 4	9°45	16°26	4°49	3°39	22° 6	13° 8	T 15
W16	4 7 48	1♐ 0'34	27°40	14° 7	25°34	28° 5	15°22	6°20	1° 5	9°44	16°28	4°45	3°36	22°13	13° 5	W16
T 17	4 11 44	2° 1'30	10♌51	15°34	26°48	28°48	15°30	6°27	1° 6	9°43	16°30	4°42	3°33	22°19	13° 2	T 17
F 18	4 15 41	3° 2'28	24°18	17° 2	28° 3	29°32	15°39	6°34	1° 6	9°41	16°33	4°41	3°30	22°26	12°59	F 18
S 19	4 19 37	4° 3'26	8♍ 1	18°31	29°17	0♐16	15°47	6°41	1° 7	9°40	16°35	4°D40	3°27	22°33	12°56	S 19
S 20	4 23 34	5° 4'26	22° 2	20° 0	0♉32	1° 0	15°56	6°48	1° 8	9°39	16°37	4°41	3°24	22°39	12°53	S 20
M21	4 27 31	6° 5'27	6♎20	21°30	1°47	1°44	16° 5	6°55	1° 9	9°37	16°40	4°43	3°20	22°46	12°50	M21
T 22	4 31 27	7° 6'30	20°52	23° 0	3° 1	2°27	16°14	7° 2	1°10	9°36	16°42	4°44	3°17	22°53	12°47	T 22
W23	4 35 24	8° 7'33	5♏36	24°31	4°16	3°11	16°23	7° 9	1°11	9°35	16°44	4°R45	3°14	22°59	12°44	W23
T 24	4 39 20	9° 8'38	20°25	26° 2	5°30	3°55	16°33	7°16	1°12	9°33	16°46	4°44	3°11	23° 6	12°42	T 24
F 25	4 43 17	10° 9'43	5♐13	27°33	6°45	4°40	16°42	7°23	1°13	9°32	16°49	4°41	3° 8	23°13	12°39	F 25
S 26	4 47 13	11°10'49	19°51	29° 4	7°59	5°24	16°52	7°31	1°14	9°30	16°51	4°37	3° 4	23°19	12°36	S 26
S 27	4 51 10	12°11'56	4♉12	0♐36	9°14	6° 8	17° 1	7°38	1°15	9°29	16°53	4°31	3° 1	23°26	12°33	S 27
M28	4 55 7	13°13'04	18°11	2° 8	10°28	6°52	17°11	7°45	1°16	9°27	16°55	4°24	2°58	23°32	12°31	M28
T 29	4 59 3	14°14'12	1♒45	3°40	11°43	7°36	17°21	7°52	1°18	9°26	16°58	4°18	2°55	23°39	12°28	T 29
W30	5 3 0	15♐15'20	14♒53	5♐12	12♉57	8♐21	17♒31	7♐59	1♓19	9♋24	17♏ 0	4♏13	2♏52	23♈46	12♉26	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s38	16s19	5n11	8s18	2n22	22s14	0s42	17s 8	0s 5	17s50	1s 4	19s40	1n30	11s53	0s47	22n22	0s48	3s34	13n39	13s14	13s 2	9n12	14n 1	2s 9
W 2	16 56	13 32	5 17	8 28	2 24	22 29	0 44	17 21	0 6	17 49	1 4	19 41	1 30	11 53	0 47	22 22	0 48	3 34	13 39	13 14	13 1	9 14	14 0	2 9
T 3	17 13	10 11	5 8	8 42	2 25	22 43	0 47	17 33	0 6	17 47	1 4	19 43	1 30	11 53	0 47	22 22	0 48	3 35	13 39	13 14	13 0	9 15	13 59	2 9
F 4	17 30	6 29	4 44	8 59	2 25	22 56	0 49	17 46	0 7	17 45	1 4	19 44	1 30	11 53	0 47	22 22	0 48	3 36	13 39	13 14	12 59	9 17	13 58	2 9
S 5	17 46	2 35	4 8	9 19	2 24	23 9	0 52	17 58	0 8	17 43	1 4	19 45	1 30	11 53	0 46	22 22	0 48	3 36	13 39	13 14	12 58	9 19	13 57	2 9
S 6	18 3	1n22	3 21	9 42	2 22	23 21	0 54	18 10	0 8	17 41	1 4	19 47	1 29	11 53	0 46	22 22	0 48	3 37	13 39	13 15	12 57	9 21	13 56	2 9
M 7	18 19	5 15	2 27	10 7	2 19	23 33	0 56	18 22	0 9	17 39	1 4	19 48	1 29	11 53	0 46	22 22	0 48	3 38	13 39	13 15	12 56	9 22	13 55	2 10
T 8	18 34	8 55	1 26	10 34	2 16	23 43	0 58	18 34	0 10	17 36	1 4	19 49	1 29	11 53	0 46	22 22	0 48	3 38	13 39	13 16	12 55	9 24	13 53	2 10
W 9	18 49	12 16	0 22	11 3	2 11	23 53	1 1	18 46	0 10	17 34	1 3	19 51	1 29	11 52	0 46	22 22	0 48	3 39	13 39	13 16	12 54	9 26	13 52	2 10
T 10	19 4	15 7	0s44	11 32	2 7	24 3	1 3	18 57	0 11	17 32	1 3	19 52	1 29	11 52	0 46	22 22	0 48	3 40	13 39	13 16	12 53	9 27	13 51	2 10
F 11	19 19	17 21	1 48	12 3	2 1	24 11	1 5	19 8	0 11	17 30	1 3	19 53	1 29	11 52	0 46	22 22	0 48	3 40	13 39	13 15	12 51	9 29	13 50	2 10
S 12	19 33	18 50	2 48	12 34	1 56	24 19	1 7	19 20	0 12	17 27	1 3	19 55	1 29	11 52	0 46	22 22	0 48	3 41	13 39	13 15	12 50	9 31	13 49	2 10
S 13	19 47	19 27	3 41	13 5	1 50	24 26	1 9	19 31	0 13	17 25	1 3	19 56	1 29	11 52	0 46	22 23	0 48	3 42	13 39	13 13	12 49	9 33	13 48	2 10
M14	20 1	19 7	4 24	13 38	1 44	24 33	1 12	19 42	0 13	17 22	1 3	19 57	1 29	11 52	0 46	22 23	0 48	3 42	13 39	13 12	12 48	9 34	13 48	2 10
T 15	20 14	17 50	4 55	14 10	1 37	24 38	1 14	19 52	0 14	17 20	1 3	19 58	1 29	11 51	0 46	22 23	0 48	3 43	13 39	13 11	12 47	9 36	13 47	2 10
W16	20 27	15 37	5 12	14 42	1 30	24 43	1 16	20 3	0 14	17 17	1 3	20 0	1 29	11 51	0 46	22 23	0 48	3 43	13 39	13 9	12 46	9 38	13 46	2 10
T 17	20 39	12 34	5 12	15 14	1 24	24 47	1 17	20 13	0 15	17 15	1 3	20 1	1 29	11 51	0 46	22 23	0 48	3 44	13 39	13 8	12 45	9 39	13 45	2 10
F 18	20 51	8 49	4 56	15 46	1 17	24 51	1 19	20 23	0 16	17 12	1 2	20 2	1 29	11 50	0 46	22 23	0 48	3 44	13 39	13 8	12 44	9 41	13 44	2 10
S 19	21 3	4 32	4 23	16 17	1 10	24 53	1 21	20 33	0 16	17 9	1 2	20 3	1 29	11 50	0 46	22 23	0 48	3 45	13 39	13 8	12 43	9 43	13 43	2 10
S 20	21 14	0s 5	3 33	16 49	1 2	24 55	1 23	20 43	0 17	17 7	1 2	20 5	1 28	11 50	0 46	22 23	0 48	3 46	13 39	13 8	12 42	9 44	13 42	2 10
M21	21 25	4 49	2 30	17 19	0 55	24 56	1 25	20 52	0 18	17 4	1 2	20 6	1 28	11 49	0 46	22 23	0 48	3 46	13 39	13 9	12 41	9 46	13 41	2 10
T 22	21 35	9 21	1 15	17 49	0 48	24 56	1 26	21 2	0 18	17 1	1 2	20 7	1 28	11 49	0 46	22 23	0 48	3 47	13 40	13 9	12 40	9 48	13 40	2 10
W23	21 45	13 22	0n 5	18 19	0 41	24 56	1 28	21 11	0 19	16 58	1 2	20 8	1 28	11 49	0 46	22 23	0 48	3 47	13 40	13 9	12 38	9 49	13 39	2 10
T 24	21 55	16 34	1 25	18 48	0 33	24 55	1 30	21 20	0 19	16 55	1 2	20 10	1 28	11 48	0 46	22 23	0 48	3 48	13 40	13 9	12 37	9 51	13 38	2 10
F 25	22 4	18 39	2 39	19 16	0 26	24 53	1 31	21 29	0 20	16 52	1 2	20 11	1 28	11 48	0 46	22 24	0 48	3 48	13 40	13 8	12 36	9 53	13 37	2 10
S 26	22 12	19 28	3 41	19 43	0 19	24 50	1 33	21 37	0 21	16 49	1 2	20 12	1 28	11 47	0 46	22 24	0 48	3 49	13 40	13 7	12 35	9 54	13 37	2 11
S 27	22 21	18 59	4 29	20 10	0 12	24 47	1 34	21 46	0 21	16 46	1 1	20 13	1 28	11 47	0 46	22 24	0 48	3 49	13 40	13 5	12 34	9 56	13 36	2 11
M28	22 29	17 22	4 58	20 35	0 5	24 42	1 35	21 54	0 22	16 43	1 1	20 14	1 28	11 46	0 46	22 24	0 48	3 50	13 40	13 2	12 33	9 58	13 35	2 11
T 29	22 36	14 48	5 10	21 0	0s 2	24 37	1 37	22 2	0 22	16 40	1 1	20 16	1 28	11 46	0 46	22 24	0 48	3 50	13 40	13 0	12 32	9 59	13 34	2 11
W30	22s43	11s34	5n 5	21s24	0s 9	24s31	1s38	22s10	0s23	16s37	1s 1	20s17	1n28	11s45	0s46	22n24	0s48	3s50	13n41	12s58	12s31	10n 1	13n33	2s11

Julian Day Number = 2177924.5, Delta T = 11m45s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'35, Lahiri = 13°24'35 Julian Calendar 1 Nov. 1250 == Greg. Calendar 8 Nov. 1250

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ASTRODIENST EPHEMERIS for the year 1250
geocentric

DECEMBER 1250 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 6 56	16♐16'28	27♒37	6♐45	14♑12	9♐ 5	17♒42	8♐ 6	1♓20	9°R23	17♏ 2	4°R 9	2♏49	23♈52	12°R23	T 1
F 2	5 10 53	17°17'37	9♓59	8°18	15°26	9°49	17°52	8°13	1°22	9♋21	17° 4	4♏ 7	2°45	23°59	12♉20	F 2
S 3	5 14 49	18°18'46	22° 5	9°51	16°41	10°34	18° 2	8°20	1°23	9°20	17° 6	4°D 7	2°42	24° 6	12°18	S 3
S 4	5 18 46	19°19'55	4♈ 0	11°24	17°55	11°18	18°13	8°27	1°25	9°18	17° 8	4° 8	2°39	24°12	12°16	S 4
M 5	5 22 42	20°21'05	15°48	12°57	19° 9	12° 3	18°24	8°34	1°26	9°17	17°10	4° 9	2°36	24°19	12°13	M 5
T 6	5 26 39	21°22'14	27°35	14°30	20°24	12°48	18°34	8°41	1°28	9°15	17°13	4°10	2°33	24°26	12°11	T 6
W 7	5 30 36	22°23'24	9♉26	16° 4	21°38	13°32	18°45	8°48	1°30	9°13	17°15	4°R10	2°29	24°32	12° 9	W 7
T 8	5 34 32	23°24'33	21°24	17°38	22°52	14°17	18°56	8°55	1°31	9°12	17°17	4° 9	2°26	24°39	12° 6	T 8
F 9	5 38 29	24°25'43	3♊34	19°12	24° 6	15° 2	19° 7	9° 1	1°33	9°10	17°19	4° 4	2°23	24°46	12° 4	F 9
S 10	5 42 25	25°26'53	15°56	20°47	25°21	15°46	19°18	9° 8	1°35	9° 9	17°21	3°58	2°20	24°52	12° 2	S 10
S 11	5 46 22	26°28'03	28°33	22°22	26°35	16°31	19°30	9°15	1°37	9° 7	17°23	3°50	2°17	24°59	12° 0	S 11
M12	5 50 18	27°29'14	11♋24	23°57	27°49	17°16	19°41	9°22	1°39	9° 5	17°25	3°40	2°14	25° 6	11°58	M12
T 13	5 54 15	28°30'24	24°29	25°32	29° 3	18° 1	19°53	9°29	1°41	9° 4	17°27	3°29	2°10	25°12	11°56	T 13
W14	5 58 11	29°31'35	7♌46	27° 7	0♒17	18°46	20° 4	9°36	1°43	9° 2	17°29	3°20	2° 7	25°19	11°54	W14
T 15	6 2 8	0♑32'46	21°15	28°43	1°31	19°31	20°16	9°42	1°45	9° 0	17°30	3°12	2° 4	25°25	11°52	T 15
F 16	6 6 5	1°33'57	4♍53	0♑20	2°45	20°16	20°28	9°49	1°47	8°59	17°32	3° 6	2° 1	25°32	11°51	F 16
S 17	6 10 1	2°35'08	18°41	1°56	3°59	21° 1	20°40	9°56	1°49	8°57	17°34	3° 3	1°58	25°39	11°49	S 17
S 18	6 13 58	3°36'19	2♎37	3°33	5°13	21°46	20°52	10° 3	1°51	8°55	17°36	3°D 2	1°55	25°45	11°47	S 18
M19	6 17 54	4°37'31	16°41	5°11	6°27	22°31	21° 4	10° 9	1°53	8°54	17°38	3° 3	1°51	25°52	11°45	M19
T 20	6 21 51	5°38'43	0♏53	6°49	7°41	23°16	21°16	10°16	1°55	8°52	17°40	3°R 3	1°48	25°59	11°44	T 20
W21	6 25 47	6°39'55	15°12	8°27	8°55	24° 2	21°28	10°23	1°58	8°50	17°41	3° 3	1°45	26° 5	11°42	W21
T 22	6 29 44	7°41'07	29°33	10° 6	10° 9	24°47	21°40	10°29	2° 0	8°48	17°43	3° 0	1°42	26°12	11°41	T 22
F 23	6 33 40	8°42'19	13♐55	11°45	11°23	25°32	21°53	10°36	2° 2	8°47	17°45	2°54	1°39	26°19	11°40	F 23
S 24	6 37 37	9°43'31	28°11	13°24	12°36	26°18	22° 5	10°42	2° 5	8°45	17°47	2°46	1°35	26°25	11°38	S 24
S 25	6 41 34	10°44'42	12♑16	15° 4	13°50	27° 3	22°18	10°49	2° 7	8°43	17°48	2°35	1°32	26°32	11°37	S 25
M26	6 45 30	11°45'53	26° 5	16°45	15° 4	27°48	22°30	10°55	2° 9	8°42	17°50	2°23	1°29	26°39	11°36	M26
T 27	6 49 27	12°47'04	9♒33	18°25	16°17	28°34	22°43	11° 1	2°12	8°40	17°51	2°11	1°26	26°45	11°35	T 27
W28	6 53 23	13°48'14	22°40	20° 7	17°31	29°19	22°56	11° 8	2°15	8°38	17°53	2° 0	1°23	26°52	11°34	W28
T 29	6 57 20	14°49'23	5♓24	21°48	18°44	0♑ 5	23° 8	11°14	2°17	8°37	17°55	1°52	1°20	26°59	11°33	T 29
F 30	7 1 16	15°50'31	17°48	23°30	19°58	0°51	23°21	11°20	2°20	8°35	17°56	1°46	1°16	27° 5	11°32	F 30
S 31	7 5 13	16♑51'38	29♓56	25♑12	21♒11	1♑36	23♒34	11♐27	2♓22	8♋33	17♏58	1♏42	1♏13	27♈12	11♉31	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s49	7s53	4n45	21s47	0s16	24s25	1s39	22s17	0s24	16s34	1s 1	20s18	1n28	11s45	0s45	22n24	0s48	3s51	13n41	12s57	12s30	10n 3	13n32	2s11
F 2	22 55	3 58	4 12	22 9	0 23	24 18	1 40	22 25	0 24	16 30	1 1	20 19	1 28	11 44	0 45	22 24	0 48	3 51	13 41	12 56	12 29	10 4	13 32	2 11
S 3	23 1	0n 2	3 28	22 30	0 29	24 10	1 41	22 32	0 25	16 27	1 1	20 20	1 28	11 44	0 45	22 24	0 48	3 52	13 41	12 56	12 28	10 6	13 31	2 11
S 4	23 6	3 59	2 36	22 49	0 36	24 1	1 42	22 39	0 25	16 24	1 1	20 21	1 28	11 43	0 45	22 25	0 48	3 52	13 41	12 57	12 26	10 8	13 30	2 11
M 5	23 11	7 45	1 38	23 8	0 42	23 52	1 43	22 45	0 26	16 20	1 1	20 22	1 28	11 43	0 45	22 25	0 48	3 52	13 41	12 57	12 25	10 9	13 29	2 11
T 6	23 15	11 13	0 36	23 26	0 48	23 41	1 44	22 52	0 27	16 17	1 1	20 23	1 28	11 42	0 45	22 25	0 48	3 53	13 42	12 58	12 24	10 11	13 29	2 11
W 7	23 19	14 15	0s28	23 42	0 54	23 31	1 45	22 58	0 27	16 13	1 1	20 25	1 28	11 41	0 45	22 25	0 48	3 53	13 42	12 58	12 23	10 13	13 28	2 11
T 8	23 22	16 43	1 32	23 57	1 0	23 19	1 45	23 4	0 28	16 10	1 0	20 26	1 28	11 41	0 45	22 25	0 48	3 54	13 42	12 57	12 22	10 14	13 27	2 11
F 9	23 25	18 28	2 32	24 11	1 6	23 7	1 46	23 10	0 28	16 6	1 0	20 27	1 28	11 40	0 45	22 25	0 48	3 54	13 42	12 56	12 21	10 16	13 27	2 11
S 10	23 27	19 23	3 25	24 24	1 11	22 54	1 46	23 15	0 29	16 3	1 0	20 28	1 28	11 39	0 45	22 25	0 48	3 54	13 42	12 53	12 20	10 17	13 26	2 11
S 11	23 29	19 21	4 10	24 35	1 16	22 40	1 47	23 20	0 30	15 59	1 0	20 29	1 28	11 39	0 45	22 25	0 48	3 55	13 43	12 51	12 19	10 19	13 25	2 11
M12	23 31	18 21	4 43	24 45	1 21	22 26	1 47	23 25	0 30	15 55	1 0	20 30	1 28	11 38	0 45	22 25	0 48	3 55	13 43	12 47	12 18	10 21	13 25	2 11
T 13	23 32	16 21	5 2	24 54	1 26	22 11	1 47	23 30	0 31	15 52	1 0	20 31	1 28	11 37	0 45	22 26	0 48	3 55	13 43	12 44	12 17	10 22	13 24	2 11
W14	23 32	13 29	5 4	25 1	1 31	21 55	1 48	23 35	0 31	15 48	1 0	20 32	1 28	11 37	0 45	22 26	0 48	3 55	13 43	12 40	12 15	10 24	13 24	2 11
T 15	23 32	9 53	4 51	25 7	1 35	21 39	1 48	23 39	0 32	15 44	1 0	20 33	1 28	11 36	0 45	22 26	0 48	3 56	13 44	12 38	12 14	10 26	13 23	2 11
F 16	23 32	5 43	4 20	25 12	1 40	21 22	1 48	23 43	0 33	15 40	1 0	20 34	1 28	11 35	0 45	22 26	0 48	3 56	13 44	12 36	12 13	10 27	13 23	2 11
S 17	23 31	1 13	3 34	25 15	1 44	21 5	1 48	23 47	0 33	15 36	1 0	20 35	1 28	11 34	0 45	22 26	0 48	3 56	13 44	12 35	12 12	10 29	13 22	2 11
S 18	23 29	3s25	2 35	25 16	1 47	20 47	1 48	23 50	0 34	15 33	1 0	20 36	1 28	11 33	0 45	22 26	0 48	3 56	13 44	12 34	12 11	10 30	13 22	2 11
M19	23 27	7 55	1 26	25 16	1 51	20 28	1 47	23 54	0 34	15 29	1 0	20 37	1 28	11 33	0 45	22 26	0 48	3 57	13 45	12 35	12 10	10 32	13 21	2 10
T 20	23 25	12 1	0 12	25 15	1 54	20 9	1 47	23 57	0 35	15 25	1 0	20 38	1 28	11 32	0 45	22 26	0 48	3 57	13 45	12 35	12 9	10 34	13 21	2 10
W21	23 22	15 26	1n 4	25 12	1 56	19 49	1 47	23 59	0 36	15 21	1 0	20 39	1 28	11 31	0 45	22 27	0 48	3 57	13 45	12 34	12 8	10 35	13 20	2 10
T 22	23 19	17 55	2 16	25 7	1 59	19 29	1 46	24 2	0 36	15 17	1 0	20 40	1 28	11 30	0 45	22 27	0 48	3 57	13 45	12 34	12 7	10 37	13 20	2 10
F 23	23 15	19 15	3 20	25 1	2 1	19 8	1 46	24 4	0 37	15 13	0 59	20 41	1 28	11 29	0 45	22 27	0 48	3 57	13 46	12 32	12 6	10 38	13 19	2 10
S 24	23 11	19 22	4 10	24 53	2 3	18 46	1 45	24 6	0 37	15 8	0 59	20 42	1 28	11 28	0 45	22 27	0 48	3 57	13 46	12 29	12 4	10 40	13 19	2 10
S 25	23 6	18 15	4 44	24 44	2 4	18 24	1 45	24 8	0 38	15 4	0 59	20 42	1 28	11 27	0 45	22 27	0 48	3 58	13 46	12 25	12 3	10 42	13 19	2 10
M26	23 1	16 6	5 1	24 33	2 5	18 2	1 44	24 9	0 38	15 0	0 59	20 43	1 28	11 27	0 45	22 27	0 48	3 58	13 47	12 21	12 2	10 43	13 18	2 10
T 27	22 55	13 7	5 0	24 20	2 6	17 39	1 43	24 11	0 39	14 56	0 59	20 44	1 28	11 26	0 45	22 27	0 48	3 58	13 47	12 17	12 1	10 45	13 18	2 10
W28	22 49	9 33	4 43	24 6	2 6	17 16	1 42	24 12	0 40	14 52	0 59	20 45	1 28	11 25	0 45	22 27	0 48	3 58	13 47	12 13	12 0	10 46	13 18	2 10
T 29	22 42	5 39	4 13	23 49	2 5	16 52	1 41	24 12	0 40	14 47	0 59	20 46	1 28	11 24	0 45	22 28	0 48	3 58	13 48	12 10	11 59	10 48	13 17	2 10
F 30	22 35	1 36	3 31	23 31	2 4	16 28	1 40	24 13	0 41	14 43	0 59	20 47	1 28	11 23	0 45	22 28	0 48	3 58	13 48	12 8	11 58	10 50	13 17	2 10
S 31	22s28	2n25	2n40	23s12	2s 3	16s 3	1s39	24s13	0s41	14s39	0s59	20s48	1n28	11s22	0s45	22n28	0s48	3s58	13n48	12s 7	11s57	10n51	13n17	2s10

Julian Day Number = 2177954.5, Delta T = 11m44s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'39, Lahiri = 13°24'39 Julian Calendar 1 Dec. 1250 == Greg. Calendar 8 Dec. 1250

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ASTRODIENST EPHEMERIS for the year 1251
geocentric

JANUARY 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 9 9	17♉52'45	11♈51	26♉54	22♒25	2♉22	23♒47	11♐33	2♓25	8°R32	17♏59	1°R41	1♏10	27♈18	11°R30	S 1
M 2	7 13 6	18°53'51	23°40	28°37	23°38	3° 8	24° 0	11°39	2°28	8♋30	18° 0	1°D41	1° 7	27°25	11♉29	M 2
T 3	7 17 3	19°54'55	5♉27	0♒19	24°51	3°53	24°14	11°45	2°30	8°28	18° 2	1°R41	1° 4	27°32	11°29	T 3
W 4	7 20 59	20°55'59	17°19	2° 2	26° 5	4°39	24°27	11°51	2°33	8°27	18° 3	1♏40	1° 1	27°38	11°28	W 4
T 5	7 24 56	21°57'02	29°21	3°44	27°18	5°25	24°40	11°57	2°36	8°25	18° 5	1°37	0°57	27°45	11°27	T 5
F 6	7 28 52	22°58'04	11♊36	5°26	28°31	6°11	24°53	12° 3	2°39	8°23	18° 6	1°31	0°54	27°52	11°27	F 6
S 7	7 32 49	23°59'05	24° 9	7° 7	29°44	6°57	25° 7	12° 9	2°42	8°22	18° 7	1°23	0°51	27°58	11°26	S 7
S 8	7 36 45	25° 0'04	7♋ 1	8°47	0♓57	7°42	25°20	12°15	2°44	8°20	18° 8	1°12	0°48	28° 5	11°26	S 8
M 9	7 40 42	26° 1'03	20°12	10°27	2°10	8°28	25°34	12°20	2°47	8°18	18°10	0°59	0°45	28°12	11°26	M 9
T 10	7 44 38	27° 2'01	3♌41	12° 4	3°22	9°14	25°47	12°26	2°50	8°17	18°11	0°46	0°41	28°18	11°26	T 10
W11	7 48 35	28° 2'58	17°24	13°41	4°35	10° 0	26° 1	12°32	2°53	8°15	18°12	0°33	0°38	28°25	11°25	W11
T 12	7 52 32	29° 3'53	1♍19	15°15	5°48	10°46	26°15	12°37	2°56	8°14	18°13	0°22	0°35	28°32	11°25	T 12
F 13	7 56 28	0♒ 4'48	15°21	16°46	7° 0	11°32	26°28	12°43	2°59	8°12	18°14	0°14	0°32	28°38	11°D25	F 13
S 14	8 0 25	1° 5'42	29°27	18°14	8°13	12°19	26°42	12°48	3° 2	8°11	18°15	0° 9	0°29	28°45	11°25	S 14
S 15	8 4 21	2° 6'35	13♎33	19°39	9°25	13° 5	26°56	12°54	3° 5	8° 9	18°16	0° 7	0°26	28°51	11°26	S 15
M16	8 8 18	3° 7'28	27°39	20°58	10°38	13°51	27°10	12°59	3° 8	8° 7	18°17	0° 7	0°22	28°58	11°26	M16
T 17	8 12 14	4° 8'19	11♏44	22°13	11°50	14°37	27°23	13° 4	3°11	8° 6	18°18	0° 7	0°19	29° 5	11°26	T 17
W18	8 16 11	5° 9'10	25°46	23°22	13° 2	15°23	27°37	13°10	3°15	8° 5	18°19	0° 6	0°16	29°11	11°26	W18
T 19	8 20 7	6°10'00	9♐45	24°24	14°14	16° 9	27°51	13°15	3°18	8° 3	18°20	0° 2	0°13	29°18	11°27	T 19
F 20	8 24 4	7°10'49	23°40	25°19	15°26	16°56	28° 5	13°20	3°21	8° 2	18°21	29♎56	0°10	29°25	11°27	F 20
S 21	8 28 1	8°11'36	7♑28	26° 6	16°38	17°42	28°19	13°25	3°24	8° 0	18°22	29°47	0° 7	29°31	11°28	S 21
S 22	8 31 57	9°12'23	21° 7	26°44	17°50	18°28	28°33	13°30	3°27	7°59	18°23	29°36	0° 3	29°38	11°28	S 22
M23	8 35 54	10°13'08	4♒34	27°12	19° 2	19°15	28°48	13°35	3°30	7°57	18°23	29°23	0° 0	29°45	11°29	M23
T 24	8 39 50	11°13'52	17°45	27°30	20°13	20° 1	29° 2	13°40	3°34	7°56	18°24	29° 9	29♎57	29°51	11°30	T 24
W25	8 43 47	12°14'34	0♓39	27°R38	21°25	20°48	29°16	13°44	3°37	7°55	18°25	28°57	29°54	29°58	11°30	W25
T 26	8 47 43	13°15'15	13°16	27°35	22°37	21°34	29°30	13°49	3°40	7°53	18°25	28°47	29°51	0♉ 5	11°31	T 26
F 27	8 51 40	14°15'54	25°37	27°21	23°48	22°20	29°44	13°54	3°44	7°52	18°26	28°40	29°47	0°11	11°32	F 27
S 28	8 55 36	15°16'31	7♈42	26°58	24°59	23° 7	29°58	13°58	3°47	7°51	18°27	28°35	29°44	0°18	11°33	S 28
S 29	8 59 33	16°17'07	19°37	26°24	26°10	23°53	0♓13	14° 3	3°50	7°49	18°27	28°33	29°41	0°25	11°34	S 29
M30	9 3 30	17°17'41	1♉26	25°42	27°21	24°40	0°27	14° 7	3°53	7°48	18°28	28°D33	29°38	0°31	11°35	M30
T 31	9 7 26	18♒18'13	13♉13	24♒51	28♓32	25♉26	0♓41	14♐11	3♓57	7♋47	18♏28	28°R33	29♎35	0♉38	11♉37	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s20	6n17	1n43	22s51	2s 1	15s38	1s37	24s13	0s42	14s34	0s59	20s48	1n28	11s21	0s44	22n28	0s48	3s58	13n49	12s 6	11s56	10n53	13n17	2s10
M 2	22 12	9 53	0 43	22 28	1 59	15 12	1 36	24 12	0 42	14 30	0 59	20 49	1 28	11 20	0 44	22 28	0 48	3 58	13 49	12 6	11 54	10 54	13 17	2 10
T 3	22 3	13 5	0s20	22 3	1 56	14 46	1 34	24 12	0 43	14 26	0 59	20 50	1 28	11 19	0 44	22 28	0 48	3 58	13 49	12 6	11 53	10 56	13 16	2 10
W 4	21 54	15 46	1 22	21 37	1 52	14 20	1 33	24 11	0 44	14 21	0 59	20 51	1 28	11 18	0 44	22 28	0 48	3 58	13 50	12 6	11 52	10 57	13 16	2 10
T 5	21 44	17 48	2 21	21 9	1 48	13 53	1 31	24 9	0 44	14 17	0 59	20 52	1 28	11 17	0 44	22 28	0 48	3 58	13 50	12 5	11 51	10 59	13 16	2 10
F 6	21 34	19 3	3 15	20 39	1 43	13 26	1 30	24 8	0 45	14 12	0 59	20 52	1 28	11 16	0 44	22 29	0 48	3 58	13 50	12 3	11 50	11 1	13 16	2 10
S 7	21 24	19 24	4 0	20 8	1 38	12 59	1 28	24 6	0 45	14 8	0 59	20 53	1 28	11 15	0 44	22 29	0 48	3 58	13 51	12 0	11 49	11 2	13 16	2 10
S 8	21 13	18 47	4 34	19 36	1 31	12 31	1 26	24 4	0 46	14 3	0 59	20 54	1 28	11 14	0 44	22 29	0 48	3 58	13 51	11 56	11 48	11 4	13 16	2 10
M 9	21 2	17 9	4 55	19 3	1 24	12 3	1 24	24 2	0 46	13 58	0 59	20 54	1 28	11 13	0 44	22 29	0 48	3 58	13 51	11 52	11 47	11 5	13 16	2 10
T 10	20 50	14 33	5 0	18 28	1 16	11 35	1 22	23 59	0 47	13 54	0 59	20 55	1 28	11 11	0 44	22 29	0 48	3 58	13 52	11 47	11 46	11 7	13 16	2 10
W11	20 38	11 7	4 48	17 52	1 8	11 6	1 20	23 57	0 47	13 49	0 59	20 56	1 28	11 10	0 44	22 29	0 48	3 58	13 52	11 43	11 44	11 8	13 16	2 10
T 12	20 26	7 1	4 18	17 15	0 58	10 37	1 18	23 53	0 48	13 44	0 59	20 57	1 28	11 9	0 44	22 29	0 48	3 58	13 52	11 39	11 43	11 10	13 16	2 10
F 13	20 13	2 31	3 33	16 38	0 48	10 8	1 15	23 50	0 48	13 40	0 59	20 57	1 28	11 8	0 44	22 29	0 48	3 58	13 53	11 36	11 42	11 12	13 16	2 10
S 14	20 0	2s 8	2 35	16 0	0 37	9 39	1 13	23 46	0 49	13 35	0 59	20 58	1 28	11 7	0 44	22 29	0 47	3 58	13 53	11 34	11 41	11 13	13 16	2 9
S 15	19 46	6 42	1 26	15 23	0 25	9 9	1 10	23 43	0 49	13 30	0 59	20 59	1 28	11 6	0 44	22 30	0 47	3 58	13 54	11 34	11 40	11 15	13 16	2 9
M16	19 32	10 53	0 13	14 45	0 12	8 39	1 8	23 38	0 50	13 25	0 59	20 59	1 28	11 5	0 44	22 30	0 47	3 58	13 54	11 33	11 39	11 16	13 16	2 9
T 17	19 18	14 27	1n 1	14 8	0n 2	8 9	1 5	23 34	0 51	13 21	0 59	21 0	1 28	11 4	0 44	22 30	0 47	3 58	13 54	11 33	11 38	11 18	13 16	2 9
W18	19 3	17 9	2 11	13 32	0 16	7 39	1 3	23 29	0 51	13 16	0 59	21 0	1 28	11 3	0 44	22 30	0 47	3 57	13 55	11 33	11 37	11 19	13 16	2 9
T 19	18 48	18 49	3 13	12 57	0 31	7 9	1 0	23 24	0 52	13 11	0 59	21 1	1 29	11 1	0 44	22 30	0 47	3 57	13 55	11 32	11 36	11 21	13 17	2 9
F 20	18 33	19 20	4 3	12 24	0 47	6 38	0 57	23 19	0 52	13 6	0 59	21 2	1 29	11 0	0 44	22 30	0 47	3 57	13 56	11 30	11 34	11 22	13 17	2 9
S 21	18 17	18 41	4 39	11 53	1 3	6 8	0 54	23 14	0 53	13 1	0 59	21 2	1 29	10 59	0 44	22 30	0 47	3 57	13 56	11 26	11 33	11 24	13 17	2 9
S 22	18 1	16 58	4 57	11 24	1 20	5 37	0 51	23 8	0 53	12 56	0 59	21 3	1 29	10 58	0 44	22 30	0 47	3 57	13 56	11 22	11 32	11 25	13 17	2 9
M23	17 45	14 21	4 59	10 59	1 36	5 6	0 48	23 2	0 54	12 51	0 59	21 3	1 29	10 57	0 44	22 30	0 47	3 57	13 57	11 18	11 31	11 27	13 17	2 9
T 24	17 29	11 3	4 45	10 37	1 53	4 35	0 45	22 56	0 54	12 46	0 59	21 4	1 29	10 55	0 44	22 31	0 47	3 56	13 57	11 13	11 30	11 28	13 18	2 9
W25	17 12	7 17	4 17	10 19	2 9	4 3	0 42	22 49	0 55	12 41	0 59	21 4	1 29	10 54	0 44	22 31	0 47	3 56	13 58	11 9	11 29	11 30	13 18	2 9
T 26	16 54	3 17	3 36	10 5	2 25	3 32	0 38	22 42	0 55	12 36	0 59	21 5	1 29	10 53	0 44	22 31	0 47	3 56	13 58	11 5	11 28	11 31	13 18	2 9
F 27	16 37	0n47	2 45	9 55	2 41	3 1	0 35	22 35	0 55	12 31	0 59	21 5	1 29	10 52	0 44	22 31	0 47	3 56	13 58	11 3	11 27	11 33	13 19	2 9
S 28	16 19	4 44	1 48	9 50	2 55	2 29	0 32	22 28	0 56	12 26	0 59	21 6	1 29	10 51	0 44	22 31	0 47	3 55	13 59	11 1	11 25	11 34	13 19	2 9
S 29	16 1	8 26	0 47	9 49	3 8	1 58	0 28	22 20	0 56	12 21	0 59	21 6	1 29	10 49	0 44	22 31	0 47	3 55	13 59	11 0	11 24	11 36	13 19	2 9
M30	15 43	11 47	0s15	9 52	3 19	1 26	0 25	22 13	0 57	12 16	0 59	21 7	1 29	10 48	0 44	22 31	0 47	3 55	14 0	11 0	11 23	11 37	13 20	2 9
T 31	15s24	14n38	1s17	10s 0	3n29	0s54	0s21	22s 5	0s57	12s11	0s59	21s 7	1n29	10s47	0s44	22n31	0s47	3s55	14n 0	11s 0	11s22	11n39	13n20	2s 9

Julian Day Number = 2177985.5, Delta T = 11m44s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'43, Lahiri = 13°24'44 Julian Calendar 1 Jan. 1251 == Greg. Calendar 8 Jan. 1251

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ASTRODIENST EPHEMERIS for the year 1251
geocentric

FEBRUARY 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 11 23	19♒18'43	25♉ 5	23°R55	29♓43	26♊13	0♓56	14♐16	4♓ 0	7°R46	18♏28	28°R33	29♎32	0♉44	11♉38	W 1
T 2	9 15 19	20°19'12	7♊ 7	22♒53	0♈54	27° 0	1°10	14°20	4° 4	7♋45	18°29	28♎32	29°28	0°51	11°39	T 2
F 3	9 19 16	21°19'38	19°23	21°48	2° 4	27°46	1°24	14°24	4° 7	7°43	18°29	28°28	29°25	0°58	11°40	F 3
S 4	9 23 12	22°20'03	1♋59	20°42	3°15	28°33	1°39	14°28	4°10	7°42	18°30	28°22	29°22	1° 4	11°42	S 4
S 5	9 27 9	23°20'26	14°58	19°36	4°25	29°19	1°53	14°32	4°14	7°41	18°30	28°13	29°19	1°11	11°43	S 5
M 6	9 31 5	24°20'46	28°21	18°31	5°35	0♒ 6	2° 8	14°36	4°17	7°40	18°30	28° 3	29°16	1°18	11°45	M 6
T 7	9 35 2	25°21'05	12♌ 6	17°30	6°45	0°53	2°22	14°39	4°20	7°39	18°30	27°53	29°13	1°24	11°47	T 7
W 8	9 38 59	26°21'22	26°12	16°33	7°55	1°39	2°36	14°43	4°24	7°38	18°30	27°42	29° 9	1°31	11°48	W 8
T 9	9 42 55	27°21'37	10♍33	15°42	9° 5	2°26	2°51	14°47	4°27	7°37	18°31	27°33	29° 6	1°38	11°50	T 9
F 10	9 46 52	28°21'51	25° 2	14°56	10°14	3°13	3° 5	14°50	4°31	7°36	18°31	27°27	29° 3	1°44	11°52	F 10
S 11	9 50 48	29°22'03	9♎34	14°17	11°24	3°59	3°20	14°54	4°34	7°35	18°31	27°23	29° 0	1°51	11°54	S 11
S 12	9 54 45	0♓22'13	24° 3	13°45	12°33	4°46	3°34	14°57	4°38	7°34	18°31	27°D22	28°57	1°58	11°56	S 12
M13	9 58 41	1°22'21	8♏25	13°20	13°42	5°33	3°49	15° 0	4°41	7°33	18°R31	27°22	28°53	2° 4	11°58	M13
T 14	10 2 38	2°22'28	22°37	13° 2	14°51	6°20	4° 3	15° 3	4°44	7°33	18°31	27°23	28°50	2°11	12° 0	T 14
W15	10 6 34	3°22'34	6♐38	12°51	16° 0	7° 6	4°18	15° 7	4°48	7°32	18°31	27°R23	28°47	2°17	12° 2	W15
T 16	10 10 31	4°22'38	20°28	12°D46	17° 9	7°53	4°32	15°10	4°51	7°31	18°31	27°22	28°44	2°24	12° 4	T 16
F 17	10 14 28	5°22'40	4♑ 5	12°48	18°17	8°40	4°47	15°12	4°55	7°30	18°31	27°19	28°41	2°31	12° 6	F 17
S 18	10 18 24	6°22'41	17°32	12°56	19°26	9°27	5° 1	15°15	4°58	7°30	18°30	27°13	28°38	2°37	12° 8	S 18
S 19	10 22 21	7°22'40	0♒46	13°10	20°34	10°13	5°16	15°18	5° 2	7°29	18°30	27° 5	28°34	2°44	12°11	S 19
M20	10 26 17	8°22'37	13°48	13°29	21°42	11° 0	5°30	15°21	5° 5	7°28	18°30	26°57	28°31	2°51	12°13	M20
T 21	10 30 14	9°22'32	26°37	13°54	22°49	11°47	5°45	15°23	5° 9	7°28	18°30	26°48	28°28	2°57	12°16	T 21
W22	10 34 10	10°22'25	9♓13	14°23	23°57	12°34	5°59	15°26	5°12	7°27	18°29	26°39	28°25	3° 4	12°18	W22
T 23	10 38 7	11°22'17	21°36	14°57	25° 4	13°21	6°13	15°28	5°15	7°26	18°29	26°33	28°22	3°11	12°21	T 23
F 24	10 42 3	12°22'06	3♈46	15°35	26°12	14° 8	6°28	15°30	5°19	7°26	18°29	26°28	28°18	3°17	12°23	F 24
S 25	10 46 0	13°21'53	15°47	16°17	27°19	14°54	6°42	15°32	5°22	7°25	18°28	26°25	28°15	3°24	12°26	S 25
S 26	10 49 57	14°21'38	27°39	17° 3	28°25	15°41	6°57	15°34	5°26	7°25	18°28	26°D25	28°12	3°31	12°29	S 26
M27	10 53 53	15°21'21	9♉26	17°52	29°32	16°28	7°11	15°36	5°29	7°24	18°27	26°25	28° 9	3°37	12°31	M27
T 28	10 57 50	16♓21'01	21♉13	18♒44	0♉38	17♒15	7♓26	15♐38	5♓32	7♋24	18♏27	26♎27	28♎ 6	3♉44	12♉34	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s 5	16n54	2s17	10s12	3n37	0s23	0s18	21s56	0s58	12s 6	0s59	21s 7	1n29	10s46	0s44	22n31	0s47	3s54	14n 0	11s 0	11s21	11n40	13n21	2s 9
T 2	14 46	18 27	3 10	10 27	3 42	0n 9	0 14	21 48	0 58	12 1	0 59	21 8	1 29	10 44	0 44	22 32	0 47	3 54	14 1	11 0	11 20	11 42	13 21	2 9
F 3	14 27	19 11	3 57	10 44	3 45	0 40	0 10	21 39	0 59	11 56	0 59	21 8	1 29	10 43	0 44	22 32	0 47	3 54	14 1	10 58	11 19	11 43	13 22	2 8
S 4	14 7	18 59	4 33	11 5	3 46	1 12	0 6	21 30	0 59	11 51	0 59	21 9	1 30	10 42	0 44	22 32	0 47	3 53	14 2	10 56	11 18	11 45	13 22	2 8
S 5	13 48	17 47	4 56	11 26	3 45	1 44	0 2	21 21	1 0	11 46	0 59	21 9	1 30	10 41	0 44	22 32	0 47	3 53	14 2	10 53	11 16	11 46	13 23	2 8
M 6	13 28	15 37	5 4	11 50	3 41	2 15	0n 1	21 11	1 0	11 41	0 59	21 9	1 30	10 40	0 44	22 32	0 47	3 53	14 3	10 49	11 15	11 48	13 23	2 8
T 7	13 7	12 31	4 55	12 14	3 36	2 47	0 5	21 2	1 0	11 35	0 59	21 10	1 30	10 38	0 44	22 32	0 47	3 52	14 3	10 46	11 14	11 49	13 24	2 8
W 8	12 47	8 38	4 28	12 38	3 28	3 18	0 9	20 52	1 1	11 30	0 59	21 10	1 30	10 37	0 44	22 32	0 47	3 52	14 3	10 42	11 13	11 51	13 24	2 8
T 9	12 26	4 12	3 43	13 1	3 19	3 49	0 14	20 41	1 1	11 25	0 59	21 10	1 30	10 36	0 44	22 32	0 47	3 52	14 4	10 39	11 12	11 52	13 25	2 8
F 10	12 5	0s32	2 44	13 24	3 9	4 20	0 18	20 31	1 2	11 20	0 59	21 11	1 30	10 34	0 44	22 32	0 47	3 51	14 4	10 36	11 11	11 54	13 25	2 8
S 11	11 44	5 15	1 34	13 46	2 58	4 52	0 22	20 20	1 2	11 15	0 59	21 11	1 30	10 33	0 44	22 32	0 47	3 51	14 5	10 35	11 10	11 55	13 26	2 8
S 12	11 23	9 39	0 18	14 7	2 46	5 23	0 26	20 10	1 3	11 9	0 59	21 11	1 30	10 32	0 44	22 32	0 47	3 51	14 5	10 35	11 9	11 57	13 27	2 8
M13	11 2	13 26	0n59	14 26	2 33	5 54	0 30	19 59	1 3	11 4	0 59	21 12	1 30	10 31	0 44	22 32	0 47	3 50	14 5	10 35	11 7	11 58	13 27	2 8
T 14	10 40	16 23	2 11	14 44	2 20	6 24	0 35	19 47	1 3	10 59	0 59	21 12	1 30	10 29	0 44	22 33	0 47	3 50	14 6	10 35	11 6	12 0	13 28	2 8
W15	10 18	18 18	3 15	15 0	2 6	6 55	0 39	19 36	1 4	10 54	0 59	21 12	1 30	10 28	0 44	22 33	0 47	3 49	14 6	10 35	11 5	12 1	13 29	2 8
T 16	9 57	19 6	4 6	15 15	1 52	7 25	0 43	19 24	1 4	10 48	0 59	21 12	1 30	10 27	0 44	22 33	0 47	3 49	14 7	10 35	11 4	12 3	13 29	2 8
F 17	9 35	18 46	4 42	15 28	1 39	7 56	0 48	19 12	1 4	10 43	0 59	21 13	1 31	10 26	0 44	22 33	0 47	3 49	14 7	10 33	11 3	12 4	13 30	2 8
S 18	9 12	17 23	5 3	15 38	1 25	8 26	0 52	19 0	1 5	10 38	0 59	21 13	1 31	10 24	0 44	22 33	0 46	3 48	14 7	10 31	11 2	12 6	13 31	2 8
S 19	8 50	15 5	5 6	15 48	1 11	8 56	0 56	18 48	1 5	10 32	0 59	21 13	1 31	10 23	0 44	22 33	0 46	3 48	14 8	10 29	11 1	12 7	13 31	2 8
M20	8 28	12 3	4 54	15 55	0 58	9 26	1 1	18 35	1 6	10 27	0 59	21 13	1 31	10 22	0 44	22 33	0 46	3 47	14 8	10 25	10 59	12 9	13 32	2 8
T 21	8 5	8 30	4 27	16 0	0 45	9 55	1 5	18 23	1 6	10 22	1 0	21 13	1 31	10 21	0 44	22 33	0 46	3 47	14 9	10 22	10 58	12 10	13 33	2 8
W22	7 42	4 38	3 47	16 4	0 32	10 24	1 10	18 10	1 6	10 17	1 0	21 14	1 31	10 19	0 44	22 33	0 46	3 46	14 9	10 19	10 57	12 11	13 34	2 8
T 23	7 20	0 38	2 57	16 6	0 20	10 54	1 14	17 57	1 7	10 11	1 0	21 14	1 31	10 18	0 44	22 33	0 46	3 46	14 9	10 17	10 56	12 13	13 35	2 8
F 24	6 57	3n20	2 0	16 6	0 8	11 22	1 19	17 43	1 7	10 6	1 0	21 14	1 31	10 17	0 44	22 33	0 46	3 46	14 10	10 15	10 55	12 14	13 35	2 8
S 25	6 34	7 7	0 57	16 5	0s 4	11 51	1 23	17 30	1 7	10 1	1 0	21 14	1 31	10 16	0 44	22 33	0 46	3 45	14 10	10 14	10 54	12 16	13 36	2 8
S 26	6 11	10 34	0s 7	16 2	0 15	12 19	1 28	17 16	1 8	9 55	1 0	21 14	1 31	10 14	0 44	22 33	0 46	3 45	14 10	10 14	10 53	12 17	13 37	2 8
M27	5 48	13 35	1 10	15 57	0 26	12 47	1 32	17 3	1 8	9 50	1 0	21 14	1 31	10 13	0 44	22 33	0 46	3 44	14 11	10 14	10 51	12 19	13 38	2 8
T 28	5s24	16n 2	2s11	15s50	0s36	13n15	1n37	16s49	1s 8	9s45	1s 0	21s14	1n32	10s12	0s44	22n34	0s46	3s44	14n11	10s15	10s50	12n20	13n39	2s 8

Julian Day Number = 2178016.5, Delta T = 11m44s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'47, Lahiri = 13°24'48 Julian Calendar 1 Feb. 1251 == Greg. Calendar 8 Feb. 1251

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ASTRODIENST EPHEMERIS for the year 1251
geocentric

MARCH 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 1 46	17♓20'39	3♊ 5	19♒40	1♉44	18♒ 2	7♓40	15♐40	5♓36	7°R24	18°R26	26♎29	28♎ 3	3♉50	12♉37	W 1
T 2	11 5 43	18°20'15	15° 5	20°38	2°50	18°49	7°54	15°42	5°39	7♋23	18♏26	26°R30	27°59	3°57	12°40	T 2
F 3	11 9 39	19°19'49	27°20	21°39	3°56	19°35	8° 9	15°43	5°43	7°23	18°25	26°29	27°56	4° 4	12°43	F 3
S 4	11 13 36	20°19'20	9♋54	22°43	5° 1	20°22	8°23	15°45	5°46	7°23	18°24	26°27	27°53	4°10	12°46	S 4
S 5	11 17 32	21°18'49	22°52	23°49	6° 6	21° 9	8°37	15°46	5°49	7°23	18°24	26°24	27°50	4°17	12°49	S 5
M 6	11 21 29	22°18'16	6♌15	24°58	7°11	21°56	8°52	15°47	5°53	7°22	18°23	26°20	27°47	4°24	12°52	M 6
T 7	11 25 25	23°17'40	20° 5	26° 8	8°16	22°43	9° 6	15°49	5°56	7°22	18°22	26°14	27°44	4°30	12°55	T 7
W 8	11 29 22	24°17'02	4♍20	27°21	9°20	23°30	9°20	15°50	5°59	7°22	18°22	26° 9	27°40	4°37	12°58	W 8
T 9	11 33 19	25°16'22	18°56	28°36	10°24	24°16	9°34	15°51	6° 3	7°22	18°21	26° 5	27°37	4°44	13° 1	T 9
F 10	11 37 15	26°15'40	3♎46	29°52	11°28	25° 3	9°49	15°52	6° 6	7°22	18°20	26° 2	27°34	4°50	13° 5	F 10
S 11	11 41 12	27°14'55	18°42	1♓11	12°31	25°50	10° 3	15°52	6° 9	7°22	18°19	26° 1	27°31	4°57	13° 8	S 11
S 12	11 45 8	28°14'09	3♏36	2°31	13°34	26°37	10°17	15°53	6°12	7°D22	18°18	26°D 1	27°28	5° 4	13°11	S 12
M13	11 49 5	29°13'21	18°22	3°53	14°37	27°24	10°31	15°54	6°16	7°22	18°17	26° 2	27°24	5°10	13°15	M13
T 14	11 53 1	0♈12'31	2♐52	5°17	15°39	28°10	10°45	15°54	6°19	7°22	18°16	26° 3	27°21	5°17	13°18	T 14
W15	11 56 58	1°11'39	17° 5	6°42	16°42	28°57	10°59	15°55	6°22	7°22	18°15	26° 5	27°18	5°24	13°21	W15
T 16	12 0 54	2°10'46	0♑58	8°10	17°43	29°44	11°13	15°55	6°25	7°22	18°14	26°R 5	27°15	5°30	13°25	T 16
F 17	12 4 51	3° 9'50	14°31	9°38	18°45	0♓31	11°27	15°55	6°29	7°22	18°13	26° 5	27°12	5°37	13°29	F 17
S 18	12 8 48	4° 8'53	27°46	11° 9	19°46	1°17	11°41	15°55	6°32	7°22	18°12	26° 3	27° 9	5°43	13°32	S 18
S 19	12 12 44	5° 7'54	10♒45	12°40	20°46	2° 4	11°55	15°R55	6°35	7°23	18°11	26° 1	27° 5	5°50	13°36	S 19
M20	12 16 41	6° 6'53	23°28	14°14	21°47	2°51	12° 9	15°55	6°38	7°23	18°10	25°58	27° 2	5°57	13°39	M20
T 21	12 20 37	7° 5'51	5♓58	15°49	22°47	3°38	12°23	15°55	6°41	7°23	18° 9	25°55	26°59	6° 3	13°43	T 21
W22	12 24 34	8° 4'46	18°16	17°25	23°46	4°24	12°36	15°55	6°44	7°24	18° 8	25°52	26°56	6°10	13°47	W22
T 23	12 28 30	9° 3'39	0♈24	19° 3	24°45	5°11	12°50	15°54	6°47	7°24	18° 7	25°50	26°53	6°17	13°50	T 23
F 24	12 32 27	10° 2'31	12°23	20°43	25°44	5°58	13° 4	15°54	6°50	7°24	18° 6	25°49	26°50	6°23	13°54	F 24
S 25	12 36 23	11° 1'20	24°16	22°24	26°42	6°44	13°17	15°53	6°53	7°25	18° 4	25°D48	26°46	6°30	13°58	S 25
S 26	12 40 20	12° 0'07	6♉ 5	24° 7	27°40	7°31	13°31	15°52	6°56	7°25	18° 3	25°48	26°43	6°37	14° 2	S 26
M27	12 44 16	12°58'53	17°52	25°51	28°37	8°18	13°45	15°52	6°59	7°26	18° 2	25°49	26°40	6°43	14° 6	M27
T 28	12 48 13	13°57'36	29°40	27°37	29°33	9° 4	13°58	15°51	7° 2	7°26	18° 1	25°50	26°37	6°50	14°10	T 28
W29	12 52 10	14°56'17	11♊33	29°24	0♊30	9°51	14°11	15°50	7° 5	7°27	17°59	25°51	26°34	6°57	14°14	W29
T 30	12 56 6	15°54'55	23°34	1♈13	1°25	10°37	14°25	15°49	7° 8	7°27	17°58	25°52	26°30	7° 3	14°17	T 30
F 31	13 0 3	16♈53'32	5♋48	3♈ 4	2♊20	11♓24	14♓38	15♐48	7♓11	7♋28	17♏57	25♎53	26♎27	7♉10	14♉21	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s 1	17n48	3s 7	15s42	0s46	13n43	1n41	16s34	1s 8	9s39	1s 0	21s15	1n32	10s11	0s44	22n34	0s46	3s43	14n12	10s15	10s49	12n21	13n40	2s 7
T 2	4 38	18 49	3 55	15 33	0 56	14 10	1 46	16 20	1 9	9 34	1 0	21 15	1 32	10 9	0 44	22 34	0 46	3 43	14 12	10 16	10 48	12 23	13 41	2 7
F 3	4 14	18 57	4 33	15 22	1 5	14 37	1 50	16 6	1 9	9 29	1 0	21 15	1 32	10 8	0 44	22 34	0 46	3 42	14 12	10 15	10 47	12 24	13 41	2 7
S 4	3 51	18 11	4 59	15 9	1 13	15 3	1 55	15 51	1 9	9 23	1 0	21 15	1 32	10 7	0 44	22 34	0 46	3 42	14 13	10 15	10 46	12 26	13 42	2 7
S 5	3 27	16 28	5 12	14 55	1 21	15 29	1 59	15 36	1 10	9 18	1 0	21 15	1 32	10 6	0 44	22 34	0 46	3 41	14 13	10 14	10 45	12 27	13 43	2 7
M 6	3 4	13 49	5 8	14 39	1 29	15 55	2 4	15 21	1 10	9 13	1 0	21 15	1 32	10 4	0 44	22 34	0 46	3 41	14 13	10 12	10 44	12 29	13 44	2 7
T 7	2 40	10 19	4 46	14 21	1 36	16 20	2 8	15 6	1 10	9 7	1 1	21 15	1 32	10 3	0 44	22 34	0 46	3 40	14 14	10 10	10 42	12 30	13 45	2 7
W 8	2 17	6 8	4 6	14 3	1 43	16 46	2 13	14 51	1 10	9 2	1 1	21 15	1 32	10 2	0 44	22 34	0 46	3 40	14 14	10 8	10 41	12 31	13 46	2 7
T 9	1 53	1 30	3 9	13 42	1 49	17 10	2 17	14 36	1 11	8 57	1 1	21 15	1 32	10 1	0 44	22 34	0 46	3 39	14 14	10 7	10 40	12 33	13 47	2 7
F 10	1 30	3s19	1 59	13 21	1 54	17 35	2 22	14 20	1 11	8 52	1 1	21 15	1 32	10 0	0 44	22 34	0 46	3 38	14 15	10 6	10 39	12 34	13 48	2 7
S 11	1 6	7 58	0 40	12 58	2 0	17 59	2 26	14 4	1 11	8 46	1 1	21 15	1 33	9 58	0 44	22 34	0 46	3 38	14 15	10 5	10 38	12 36	13 49	2 7
S 12	0 42	12 7	0n42	12 33	2 5	18 22	2 31	13 49	1 11	8 41	1 1	21 15	1 33	9 57	0 44	22 34	0 46	3 37	14 15	10 5	10 37	12 37	13 50	2 7
M13	0 19	15 26	2 0	12 7	2 9	18 45	2 35	13 33	1 12	8 36	1 1	21 15	1 33	9 56	0 44	22 34	0 46	3 37	14 16	10 6	10 35	12 38	13 51	2 7
T 14	0n 5	17 43	3 9	11 40	2 13	19 8	2 39	13 17	1 12	8 30	1 1	21 15	1 33	9 55	0 44	22 34	0 46	3 36	14 16	10 6	10 34	12 40	13 52	2 7
W15	0 29	18 50	4 5	11 11	2 16	19 30	2 43	13 0	1 12	8 25	1 1	21 15	1 33	9 54	0 44	22 34	0 46	3 36	14 16	10 7	10 33	12 41	13 53	2 7
T 16	0 52	18 46	4 46	10 41	2 19	19 52	2 48	12 44	1 12	8 20	1 1	21 15	1 33	9 52	0 44	22 34	0 46	3 35	14 17	10 7	10 32	12 43	13 54	2 7
F 17	1 16	17 37	5 9	10 10	2 21	20 13	2 52	12 28	1 12	8 15	1 1	21 15	1 33	9 51	0 44	22 34	0 46	3 35	14 17	10 7	10 31	12 44	13 55	2 7
S 18	1 39	15 32	5 15	9 37	2 23	20 34	2 56	12 11	1 13	8 9	1 2	21 15	1 33	9 50	0 44	22 34	0 45	3 34	14 17	10 6	10 30	12 45	13 56	2 7
S 19	2 3	12 43	5 5	9 3	2 25	20 55	3 0	11 55	1 13	8 4	1 2	21 15	1 33	9 49	0 44	22 34	0 45	3 34	14 17	10 5	10 29	12 47	13 57	2 7
M20	2 26	9 21	4 40	8 28	2 26	21 15	3 4	11 38	1 13	7 59	1 2	21 14	1 33	9 48	0 44	22 34	0 45	3 33	14 18	10 4	10 27	12 48	13 59	2 7
T 21	2 50	5 37	4 2	7 51	2 26	21 34	3 8	11 21	1 13	7 54	1 2	21 14	1 33	9 47	0 44	22 34	0 45	3 33	14 18	10 3	10 26	12 50	14 0	2 7
W22	3 13	1 42	3 13	7 14	2 26	21 53	3 12	11 4	1 13	7 49	1 2	21 14	1 33	9 46	0 44	22 34	0 45	3 32	14 18	10 2	10 25	12 51	14 1	2 7
T 23	3 36	2n14	2 16	6 35	2 25	22 12	3 16	10 47	1 13	7 43	1 2	21 14	1 34	9 44	0 44	22 34	0 45	3 31	14 18	10 1	10 24	12 52	14 2	2 7
F 24	4 0	6 3	1 14	5 54	2 24	22 30	3 19	10 30	1 13	7 38	1 2	21 14	1 34	9 43	0 44	22 34	0 45	3 31	14 19	10 1	10 23	12 54	14 3	2 7
S 25	4 23	9 35	0 8	5 13	2 23	22 47	3 23	10 13	1 14	7 33	1 2	21 14	1 34	9 42	0 44	22 34	0 45	3 30	14 19	10 1	10 22	12 55	14 4	2 7
S 26	4 46	12 43	0s57	4 30	2 21	23 4	3 27	9 55	1 14	7 28	1 2	21 14	1 34	9 41	0 44	22 34	0 45	3 30	14 19	10 1	10 21	12 56	14 5	2 7
M27	5 9	15 19	1 59	3 46	2 18	23 21	3 30	9 38	1 14	7 23	1 3	21 13	1 34	9 40	0 44	22 34	0 45	3 29	14 19	10 1	10 19	12 58	14 6	2 7
T 28	5 32	17 17	2 57	3 1	2 15	23 37	3 34	9 21	1 14	7 18	1 3	21 13	1 34	9 39	0 44	22 34	0 45	3 29	14 20	10 1	10 18	12 59	14 7	2 7
W29	5 54	18 30	3 48	2 15	2 11	23 52	3 37	9 3	1 14	7 13	1 3	21 13	1 34	9 38	0 44	22 34	0 45	3 28	14 20	10 2	10 17	13 0	14 9	2 7
T 30	6 17	18 54	4 29	1 28	2 7	24 7	3 40	8 45	1 14	7 8	1 3	21 13	1 34	9 37	0 44	22 34	0 45	3 28	14 20	10 2	10 16	13 2	14 10	2 7
F 31	6n40	18n26	4s59	0s39	2s 3	24n22	3n43	8s28	1s14	7s 3	1s 3	21s13	1n34	9s36	0s44	22n34	0s45	3s27	14n20	10s 2	10s15	13n 3	14n11	2s 7

Julian Day Number = 2178044.5, Delta T = 11m44s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'51, Lahiri = 13°24'52 Julian Calendar 1 March 1251 == Greg. Calendar 8 March 1251

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ASTRODIENST EPHEMERIS for the year 1251
geocentric

APRIL 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 3 59	17♈52'06	18♋20	4♈56	3♊15	12♓10	14♓51	15°R46	7♓13	7♋29	17°R55	25°R53	26♎24	7♉17	14♉25	S 1
S 2	13 7 56	18°50'38	1♌12	6°49	4° 9	12°57	15° 5	15♐45	7°16	7°29	17♏54	25♎53	26°21	7°23	14°29	S 2
M 3	13 11 52	19°49'08	14°30	8°45	5° 2	13°43	15°18	15°44	7°19	7°30	17°53	25°52	26°18	7°30	14°34	M 3
T 4	13 15 49	20°47'35	28°14	10°41	5°55	14°30	15°31	15°42	7°22	7°31	17°51	25°52	26°15	7°36	14°38	T 4
W 5	13 19 45	21°46'01	12♍25	12°40	6°47	15°16	15°44	15°40	7°24	7°32	17°50	25°51	26°11	7°43	14°42	W 5
T 6	13 23 42	22°44'24	27° 1	14°40	7°38	16° 2	15°57	15°39	7°27	7°32	17°48	25°51	26° 8	7°50	14°46	T 6
F 7	13 27 39	23°42'45	11♎56	16°41	8°29	16°49	16°10	15°37	7°30	7°33	17°47	25°51	26° 5	7°56	14°50	F 7
S 8	13 31 35	24°41'04	27° 4	18°44	9°18	17°35	16°23	15°35	7°32	7°34	17°45	25°D51	26° 2	8° 3	14°54	S 8
S 9	13 35 32	25°39'22	12♏15	20°48	10° 7	18°21	16°36	15°33	7°35	7°35	17°44	25°R51	25°59	8°10	14°58	S 9
M10	13 39 28	26°37'37	27°19	22°54	10°56	19° 7	16°48	15°31	7°37	7°36	17°42	25°51	25°55	8°16	15° 2	M10
T 11	13 43 25	27°35'52	12♐ 9	25° 0	11°43	19°54	17° 1	15°29	7°40	7°37	17°41	25°51	25°52	8°23	15° 7	T 11
W12	13 47 21	28°34'04	26°39	27° 8	12°30	20°40	17°14	15°27	7°42	7°38	17°39	25°50	25°49	8°30	15°11	W12
T 13	13 51 18	29°32'15	10♑43	29°17	13°15	21°26	17°26	15°24	7°45	7°39	17°38	25°50	25°46	8°36	15°15	T 13
F 14	13 55 14	0♒30'25	24°23	1♒26	14° 0	22°12	17°39	15°22	7°47	7°40	17°36	25°D50	25°43	8°43	15°19	F 14
S 15	13 59 11	1°28'33	7♓38	3°35	14°44	22°58	17°51	15°19	7°50	7°41	17°35	25°50	25°40	8°50	15°24	S 15
S 16	14 3 8	2°26'39	20°30	5°45	15°27	23°44	18° 3	15°17	7°52	7°42	17°33	25°50	25°36	8°56	15°28	S 16
M17	14 7 4	3°24'44	3♈ 4	7°55	16° 9	24°30	18°16	15°14	7°54	7°43	17°31	25°51	25°33	9° 3	15°32	M17
T 18	14 11 1	4°22'48	15°22	10° 4	16°50	25°16	18°28	15°11	7°56	7°45	17°30	25°52	25°30	9°10	15°37	T 18
W19	14 14 57	5°20'50	27°27	12°13	17°29	26° 2	18°40	15° 9	7°59	7°46	17°28	25°53	25°27	9°16	15°41	W19
T 20	14 18 54	6°18'51	9♈24	14°20	18° 8	26°48	18°52	15° 6	8° 1	7°47	17°27	25°53	25°24	9°23	15°45	T 20
F 21	14 22 50	7°16'50	21°16	16°27	18°45	27°34	19° 4	15° 3	8° 3	7°48	17°25	25°R54	25°21	9°29	15°50	F 21
S 22	14 26 47	8°14'47	3♉ 4	18°32	19°21	28°20	19°16	15° 0	8° 5	7°50	17°23	25°54	25°17	9°36	15°54	S 22
S 23	14 30 43	9°12'44	14°51	20°35	19°56	29° 6	19°27	14°57	8° 7	7°51	17°22	25°53	25°14	9°43	15°58	S 23
M24	14 34 40	10°10'38	26°39	22°36	20°30	29°52	19°39	14°53	8° 9	7°52	17°20	25°52	25°11	9°49	16° 3	M24
T 25	14 38 37	11° 8'31	8♊32	24°35	21° 2	0♈37	19°51	14°50	8°11	7°54	17°18	25°50	25° 8	9°56	16° 7	T 25
W26	14 42 33	12° 6'22	20°30	26°32	21°32	1°23	20° 2	14°47	8°13	7°55	17°17	25°47	25° 5	10° 3	16°11	W26
T 27	14 46 30	13° 4'12	2♋36	28°25	22° 2	2° 9	20°14	14°44	8°15	7°56	17°15	25°45	25° 1	10° 9	16°16	T 27
F 28	14 50 26	14° 2'00	14°55	0♊17	22°29	2°54	20°25	14°40	8°17	7°58	17°13	25°42	24°58	10°16	16°20	F 28
S 29	14 54 23	14°59'46	27°27	2° 5	22°55	3°40	20°36	14°37	8°19	7°59	17°12	25°41	24°55	10°23	16°24	S 29
S 30	14 58 19	15♉57'31	10♌18	3♊50	23♊20	4♈26	20♓47	14♐33	8♓20	8♋ 1	17♏10	25°D40	24♎52	10♉29	16♉29	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 2	17n 4	5s15	0n10	1s57	24n35	3n46	8s10	1s14	6s57	1s 3	21s13	1n34	9s35	0s44	22n34	0s45	3s27	14n20	10s 2	10s14	13n 4	14n12	2s 7
S 2	7 25	14 49	5 16	1 0	1 52	24 49	3 49	7 52	1 14	6 52	1 3	21 12	1 34	9 34	0 44	22 34	0 45	3 26	14 21	10 2	10 12	13 6	14 13	2 8
M 3	7 47	11 44	5 1	1 52	1 46	25 2	3 52	7 34	1 14	6 47	1 3	21 12	1 34	9 33	0 44	22 34	0 45	3 26	14 21	10 2	10 11	13 7	14 14	2 8
T 4	8 9	7 56	4 29	2 44	1 39	25 14	3 55	7 16	1 14	6 42	1 4	21 12	1 34	9 32	0 44	22 34	0 45	3 25	14 21	10 2	10 10	13 9	14 15	2 8
W 5	8 31	3 33	3 39	3 37	1 32	25 26	3 58	6 58	1 14	6 38	1 4	21 12	1 35	9 31	0 45	22 34	0 45	3 24	14 21	10 2	10 9	13 10	14 17	2 8
T 6	8 53	1s 9	2 34	4 31	1 24	25 37	4 0	6 40	1 15	6 33	1 4	21 11	1 35	9 30	0 45	22 34	0 45	3 24	14 21	10 2	10 8	13 11	14 18	2 8
F 7	9 14	5 55	1 17	5 25	1 16	25 48	4 2	6 22	1 15	6 28	1 4	21 11	1 35	9 29	0 45	22 34	0 45	3 23	14 21	10 2	10 7	13 13	14 19	2 8
S 8	9 36	10 22	0n 7	6 20	1 7	25 58	4 5	6 4	1 15	6 23	1 4	21 11	1 35	9 28	0 45	22 34	0 45	3 23	14 22	10 2	10 6	13 14	14 20	2 8
S 9	9 57	14 9	1 30	7 15	0 59	26 7	4 7	5 46	1 15	6 18	1 4	21 11	1 35	9 27	0 45	22 34	0 45	3 22	14 22	10 2	10 4	13 15	14 21	2 8
M10	10 19	16 56	2 46	8 11	0 49	26 16	4 8	5 28	1 15	6 13	1 5	21 10	1 35	9 26	0 45	22 34	0 45	3 22	14 22	10 2	10 3	13 17	14 23	2 8
T 11	10 40	18 32	3 50	9 6	0 40	26 25	4 10	5 10	1 15	6 8	1 5	21 10	1 35	9 25	0 45	22 34	0 45	3 21	14 22	10 1	10 2	13 18	14 24	2 8
W12	11 0	18 52	4 38	10 2	0 30	26 33	4 12	4 51	1 15	6 4	1 5	21 10	1 35	9 24	0 45	22 34	0 45	3 21	14 22	10 1	10 1	13 19	14 25	2 8
T 13	11 21	18 0	5 7	10 58	0 19	26 40	4 13	4 33	1 15	5 59	1 5	21 9	1 35	9 23	0 45	22 34	0 45	3 20	14 22	10 1	10 0	13 20	14 26	2 8
F 14	11 42	16 7	5 18	11 53	0 9	26 47	4 14	4 15	1 14	5 54	1 5	21 9	1 35	9 22	0 45	22 34	0 45	3 20	14 22	10 1	9 59	13 22	14 27	2 8
S 15	12 2	13 25	5 11	12 47	0n 2	26 53	4 15	3 56	1 14	5 49	1 5	21 9	1 35	9 22	0 45	22 34	0 44	3 19	14 22	10 1	9 57	13 23	14 28	2 8
S 16	12 22	10 8	4 49	13 41	0 12	26 59	4 16	3 38	1 14	5 45	1 5	21 8	1 35	9 21	0 45	22 34	0 44	3 19	14 22	10 1	9 56	13 24	14 30	2 8
M17	12 42	6 29	4 13	14 34	0 23	27 4	4 17	3 20	1 14	5 40	1 6	21 8	1 35	9 20	0 45	22 34	0 44	3 18	14 22	10 2	9 55	13 26	14 31	2 8
T 18	13 2	2 37	3 27	15 25	0 34	27 9	4 17	3 1	1 14	5 35	1 6	21 8	1 35	9 19	0 45	22 34	0 44	3 18	14 22	10 2	9 54	13 27	14 32	2 8
W19	13 21	1n18	2 32	16 16	0 44	27 13	4 18	2 43	1 14	5 31	1 6	21 7	1 35	9 18	0 45	22 34	0 44	3 18	14 22	10 2	9 53	13 28	14 33	2 8
T 20	13 41	5 8	1 30	17 4	0 54	27 17	4 18	2 24	1 14	5 26	1 6	21 7	1 35	9 18	0 45	22 34	0 44	3 17	14 22	10 2	9 52	13 30	14 34	2 8
F 21	14 0	8 43	0 26	17 51	1 4	27 20	4 18	2 6	1 14	5 22	1 6	21 7	1 35	9 17	0 45	22 34	0 44	3 17	14 23	10 3	9 50	13 31	14 36	2 8
S 22	14 19	11 58	0s40	18 35	1 14	27 23	4 17	1 48	1 14	5 17	1 7	21 6	1 35	9 16	0 45	22 34	0 44	3 16	14 23	10 3	9 49	13 32	14 37	2 8
S 23	14 37	14 43	1 43	19 18	1 23	27 25	4 16	1 29	1 14	5 13	1 7	21 6	1 35	9 15	0 45	22 34	0 44	3 16	14 23	10 2	9 48	13 33	14 38	2 9
M24	14 56	16 51	2 42	19 58	1 31	27 26	4 15	1 11	1 14	5 8	1 7	21 6	1 35	9 15	0 45	22 34	0 44	3 15	14 23	10 2	9 47	13 35	14 39	2 9
T 25	15 14	18 17	3 35	20 36	1 40	27 27	4 14	0 52	1 14	5 4	1 7	21 5	1 36	9 14	0 45	22 34	0 44	3 15	14 23	10 1	9 46	13 36	14 40	2 9
W26	15 32	18 54	4 18	21 11	1 47	27 28	4 13	0 34	1 13	4 59	1 7	21 5	1 36	9 13	0 45	22 34	0 44	3 14	14 23	10 0	9 45	13 37	14 41	2 9
T 27	15 49	18 40	4 51	21 44	1 54	27 28	4 11	0 16	1 13	4 55	1 7	21 4	1 36	9 12	0 45	22 34	0 44	3 14	14 22	9 59	9 43	13 39	14 43	2 9
F 28	16 7	17 33	5 10	22 14	2 0	27 28	4 9	0n 3	1 13	4 51	1 8	21 4	1 36	9 12	0 45	22 34	0 44	3 14	14 22	9 58	9 42	13 40	14 44	2 9
S 29	16 24	15 35	5 16	22 42	2 5	27 27	4 7	0 21	1 13	4 47	1 8	21 4	1 36	9 11	0 45	22 34	0 44	3 13	14 22	9 58	9 41	13 41	14 45	2 9
S 30	16n41	12n49	5s 6	23n 7	2n10	27n25	4n 4	0n39	1s13	4s42	1s 8	21s 3	1n36	9s10	0s45	22n33	0s44	3s13	14n22	9s57	9s40	13n42	14n46	2s 9

Julian Day Number = 2178075.5, Delta T = 11m44s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°17'55, Lahiri = 13°24'56 Julian Calendar 1 Apr. 1251 == Greg. Calendar 8 Apr. 1251

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ASTRODIENST EPHEMERIS for the year 1251
geocentric

MAY 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 2 16	16♉55'14	23♌29	5♊32	23♊42	5♈11	20♓58	14°R30	8♓22	8♋ 2	17°R 8	25♎40	24♎49	10♉36	16♉33	M 1
T 2	15 6 12	17°52'55	7♍ 4	7°11	24° 3	5°56	21° 9	14♐26	8°24	8° 4	17♏ 7	25°41	24°46	10°43	16°38	T 2
W 3	15 10 9	18°50'34	21° 4	8°47	24°22	6°42	21°20	14°22	8°26	8° 6	17° 5	25°42	24°42	10°49	16°42	W 3
T 4	15 14 6	19°48'12	5♎29	10°19	24°39	7°27	21°31	14°18	8°27	8° 7	17° 3	25°43	24°39	10°56	16°46	T 4
F 5	15 18 2	20°45'48	20°15	11°48	24°54	8°12	21°41	14°15	8°29	8° 9	17° 2	25°R44	24°36	11° 3	16°51	F 5
S 6	15 21 59	21°43'23	5♏18	13°14	25° 7	8°58	21°52	14°11	8°30	8°10	17° 0	25°44	24°33	11° 9	16°55	S 6
S 7	15 25 55	22°40'57	20°30	14°36	25°18	9°43	22° 2	14° 7	8°32	8°12	16°58	25°43	24°30	11°16	17° 0	S 7
M 8	15 29 52	23°38'29	5♐41	15°55	25°27	10°28	22°13	14° 3	8°33	8°14	16°57	25°40	24°27	11°23	17° 4	M 8
T 9	15 33 48	24°36'01	20°41	17°11	25°34	11°13	22°23	13°59	8°35	8°15	16°55	25°36	24°23	11°29	17° 8	T 9
W10	15 37 45	25°33'31	5♑22	18°23	25°38	11°58	22°33	13°55	8°36	8°17	16°53	25°32	24°20	11°36	17°13	W10
T 11	15 41 41	26°31'01	19°39	19°31	25°R40	12°43	22°43	13°51	8°37	8°19	16°52	25°28	24°17	11°42	17°17	T 11
F 12	15 45 38	27°28'29	3♒27	20°36	25°40	13°28	22°53	13°47	8°38	8°21	16°50	25°25	24°14	11°49	17°21	F 12
S 13	15 49 35	28°25'57	16°47	21°37	25°37	14°13	23° 3	13°42	8°40	8°22	16°49	25°23	24°11	11°56	17°26	S 13
S 14	15 53 31	29°23'24	29°41	22°34	25°32	14°58	23°12	13°38	8°41	8°24	16°47	25°D22	24° 7	12° 2	17°30	S 14
M15	15 57 28	0♊20'50	12♓13	23°28	25°25	15°43	23°22	13°34	8°42	8°26	16°45	25°23	24° 4	12° 9	17°34	M15
T 16	16 1 24	1°18'15	24°26	24°17	25°15	16°27	23°31	13°30	8°43	8°28	16°44	25°24	24° 1	12°16	17°39	T 16
W17	16 5 21	2°15'40	6♈27	25° 2	25° 3	17°12	23°40	13°25	8°44	8°30	16°42	25°26	23°58	12°22	17°43	W17
T 18	16 9 17	3°13'04	18°18	25°44	24°48	17°57	23°50	13°21	8°45	8°32	16°41	25°27	23°55	12°29	17°47	T 18
F 19	16 13 14	4°10'27	0♉ 6	26°21	24°31	18°41	23°59	13°17	8°46	8°34	16°39	25°R27	23°52	12°36	17°51	F 19
S 20	16 17 10	5° 7'50	11°52	26°54	24°12	19°26	24° 7	13°12	8°47	8°35	16°37	25°26	23°48	12°42	17°56	S 20
S 21	16 21 7	6° 5'11	23°41	27°23	23°51	20°10	24°16	13° 8	8°48	8°37	16°36	25°22	23°45	12°49	18° 0	S 21
M22	16 25 4	7° 2'32	5♊34	27°47	23°27	20°55	24°25	13° 4	8°48	8°39	16°34	25°17	23°42	12°56	18° 4	M22
T 23	16 29 0	7°59'53	17°34	28° 6	23° 1	21°39	24°33	12°59	8°49	8°41	16°33	25°11	23°39	13° 2	18° 8	T 23
W24	16 32 57	8°57'12	29°42	28°22	22°34	22°23	24°42	12°55	8°50	8°43	16°31	25° 3	23°36	13° 9	18°13	W24
T 25	16 36 53	9°54'31	12♋ 0	28°32	22° 4	23° 8	24°50	12°51	8°50	8°45	16°30	24°55	23°32	13°16	18°17	T 25
F 26	16 40 50	10°51'49	24°29	28°38	21°33	23°52	24°58	12°46	8°51	8°47	16°28	24°47	23°29	13°22	18°21	F 26
S 27	16 44 46	11°49'06	7♌10	28°R40	21° 0	24°36	25° 6	12°42	8°52	8°49	16°27	24°41	23°26	13°29	18°25	S 27
S 28	16 48 43	12°46'22	20° 5	28°37	20°26	25°20	25°14	12°37	8°52	8°51	16°25	24°37	23°23	13°36	18°29	S 28
M29	16 52 39	13°43'38	3♍17	28°29	19°51	26° 4	25°22	12°33	8°53	8°53	16°24	24°34	23°20	13°42	18°33	M29
T 30	16 56 36	14°40'52	16°47	28°18	19°15	26°48	25°29	12°28	8°53	8°55	16°23	24°D34	23°17	13°49	18°37	T 30
W31	17 0 33	15♊38'06	0♎37	28♊ 2	18♊38	27♈31	25♓37	12♐24	8♓53	8♋58	16♏21	24♎35	23♎13	13♉56	18♉41	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n57	9n21	4s40	23n30	2n14	27n24	4n 1	0n57	1s13	4s38	1s 8	21s 3	1n36	9s10	0s45	22n33	0s44	3s12	14n22	9s58	9s39	13n44	14n47	2s 9
T 2	17 14	5 17	3 57	23 51	2 17	27 21	3 57	1 16	1 12	4 34	1 8	21 2	1 36	9 9	0 45	22 33	0 44	3 12	14 22	9 58	9 38	13 45	14 48	2 9
W 3	17 30	0 48	3 0	24 8	2 19	27 18	3 54	1 34	1 12	4 30	1 9	21 2	1 36	9 9	0 45	22 33	0 44	3 12	14 22	9 58	9 36	13 46	14 50	2 9
T 4	17 45	3s51	1 49	24 24	2 20	27 15	3 50	1 52	1 12	4 26	1 9	21 1	1 36	9 8	0 45	22 33	0 44	3 11	14 22	9 59	9 35	13 47	14 51	2 9
F 5	18 1	8 25	0 30	24 37	2 21	27 11	3 45	2 10	1 12	4 22	1 9	21 1	1 36	9 8	0 45	22 33	0 44	3 11	14 22	9 59	9 34	13 49	14 52	2 10
S 6	18 16	12 31	0n52	24 48	2 21	27 7	3 40	2 28	1 12	4 18	1 9	21 1	1 36	9 7	0 46	22 33	0 44	3 11	14 22	9 59	9 33	13 50	14 53	2 10
S 7	18 31	15 49	2 12	24 57	2 20	27 2	3 35	2 46	1 11	4 14	1 9	21 0	1 36	9 6	0 46	22 33	0 44	3 10	14 22	9 58	9 32	13 51	14 54	2 10
M 8	18 45	18 1	3 22	25 4	2 18	26 56	3 29	3 4	1 11	4 10	1 10	21 0	1 36	9 6	0 46	22 33	0 44	3 10	14 22	9 58	9 31	13 52	14 55	2 10
T 9	19 0	18 56	4 17	25 9	2 15	26 51	3 23	3 22	1 11	4 6	1 10	20 59	1 36	9 5	0 46	22 33	0 44	3 10	14 22	9 56	9 29	13 54	14 56	2 10
W10	19 14	18 31	4 54	25 12	2 11	26 44	3 17	3 40	1 11	4 2	1 10	20 59	1 36	9 5	0 46	22 33	0 44	3 9	14 21	9 55	9 28	13 55	14 58	2 10
T 11	19 27	16 57	5 12	25 14	2 7	26 37	3 10	3 58	1 10	3 59	1 10	20 58	1 36	9 5	0 46	22 33	0 44	3 9	14 21	9 53	9 27	13 56	14 59	2 10
F 12	19 40	14 26	5 10	25 13	2 2	26 30	3 2	4 16	1 10	3 55	1 11	20 58	1 36	9 4	0 46	22 33	0 44	3 9	14 21	9 52	9 26	13 57	15 0	2 10
S 13	19 53	11 14	4 52	25 11	1 55	26 22	2 54	4 33	1 10	3 51	1 11	20 57	1 36	9 4	0 46	22 33	0 44	3 9	14 21	9 51	9 25	13 59	15 1	2 10
S 14	20 6	7 35	4 19	25 8	1 48	26 13	2 46	4 51	1 9	3 48	1 11	20 57	1 36	9 3	0 46	22 32	0 44	3 8	14 21	9 51	9 24	14 0	15 2	2 10
M15	20 18	3 42	3 35	25 3	1 40	26 4	2 37	5 9	1 9	3 44	1 11	20 56	1 35	9 3	0 46	22 32	0 44	3 8	14 21	9 51	9 22	14 1	15 3	2 11
T 16	20 30	0n15	2 41	24 56	1 32	25 54	2 27	5 26	1 9	3 41	1 11	20 56	1 35	9 3	0 46	22 32	0 44	3 8	14 20	9 52	9 21	14 2	15 4	2 11
W17	20 42	4 8	1 42	24 49	1 22	25 44	2 18	5 44	1 9	3 37	1 12	20 55	1 35	9 2	0 46	22 32	0 44	3 8	14 20	9 52	9 20	14 4	15 5	2 11
T 18	20 53	7 48	0 39	24 40	1 12	25 33	2 7	6 1	1 8	3 34	1 12	20 55	1 35	9 2	0 46	22 32	0 44	3 7	14 20	9 53	9 19	14 5	15 6	2 11
F 19	21 4	11 9	0s25	24 30	1 1	25 22	1 57	6 18	1 8	3 30	1 12	20 54	1 35	9 2	0 46	22 32	0 44	3 7	14 20	9 53	9 18	14 6	15 7	2 11
S 20	21 14	14 3	1 28	24 19	0 49	25 10	1 45	6 35	1 8	3 27	1 12	20 54	1 35	9 1	0 46	22 32	0 43	3 7	14 20	9 52	9 16	14 7	15 8	2 11
S 21	21 25	16 23	2 27	24 7	0 36	24 57	1 34	6 53	1 7	3 24	1 13	20 53	1 35	9 1	0 46	22 32	0 43	3 7	14 19	9 51	9 15	14 8	15 10	2 11
M22	21 34	18 2	3 21	23 54	0 23	24 44	1 22	7 10	1 7	3 21	1 13	20 53	1 35	9 1	0 46	22 32	0 43	3 7	14 19	9 49	9 14	14 10	15 11	2 11
T 23	21 44	18 53	4 5	23 40	0 9	24 30	1 9	7 27	1 7	3 17	1 13	20 52	1 35	9 0	0 46	22 32	0 43	3 6	14 19	9 47	9 13	14 11	15 12	2 12
W24	21 53	18 53	4 39	23 26	0s 5	24 16	0 56	7 43	1 6	3 14	1 13	20 52	1 35	9 0	0 46	22 31	0 43	3 6	14 19	9 44	9 12	14 12	15 13	2 12
T 25	22 1	18 0	5 1	23 11	0 21	24 1	0 43	8 0	1 6	3 11	1 14	20 51	1 35	9 0	0 46	22 31	0 43	3 6	14 18	9 41	9 11	14 13	15 14	2 12
F 26	22 10	16 15	5 8	22 55	0 36	23 46	0 30	8 17	1 5	3 8	1 14	20 51	1 35	9 0	0 46	22 31	0 43	3 6	14 18	9 38	9 9	14 14	15 15	2 12
S 27	22 18	13 42	5 1	22 39	0 52	23 30	0 16	8 34	1 5	3 5	1 14	20 50	1 35	9 0	0 46	22 31	0 43	3 6	14 18	9 36	9 8	14 16	15 16	2 12
S 28	22 25	10 26	4 39	22 23	1 9	23 14	0 2	8 50	1 5	3 2	1 14	20 50	1 35	9 0	0 46	22 31	0 43	3 6	14 17	9 34	9 7	14 17	15 17	2 12
M29	22 32	6 36	4 1	22 6	1 25	22 57	0s12	9 6	1 4	3 0	1 15	20 49	1 35	8 59	0 46	22 31	0 43	3 6	14 17	9 34	9 6	14 18	15 18	2 12
T 30	22 39	2 20	3 9	21 49	1 42	22 40	0 26	9 23	1 4	2 57	1 15	20 49	1 35	8 59	0 46	22 31	0 43	3 6	14 17	9 33	9 5	14 19	15 19	2 13
W31	22n45	2s10	2s 6	21n32	1s59	22n23	0s40	9n39	1s 3	2s54	1s15	20s48	1n35	8s59	0s46	22n31	0s43	3s 5	14n17	9s34	9s 4	14n20	15n20	2s13

Julian Day Number = 2178105.5, Delta T = 11m44s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'00, Lahiri = 13°25'00 Julian Calendar 1 May 1251 == Greg. Calendar 8 May 1251

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ASTRODIENST EPHEMERIS for the year 1251
geocentric

JUNE 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 4 29	16♊35'18	14♎47	27°R42	18°R 0	28♈15	25♓44	12°R20	8♓54	9♋ 0	16°R20	24♎36	23♎10	14♉ 2	18♉45	T 1
F 2	17 8 26	17°32'30	29°18	27♊19	17♊23	28°59	25°51	12♐15	8°54	9° 2	16♏18	24°R36	23° 7	14° 9	18°49	F 2
S 3	17 12 22	18°29'42	14♏ 4	26°53	16°45	29°43	25°58	12°11	8°54	9° 4	16°17	24°34	23° 4	14°16	18°53	S 3
S 4	17 16 19	19°26'53	29° 2	26°24	16° 8	0♉26	26° 5	12° 7	8°54	9° 6	16°16	24°31	23° 1	14°22	18°57	S 4
M 5	17 20 15	20°24'03	14♐ 3	25°52	15°31	1°10	26°11	12° 2	8°54	9° 8	16°14	24°25	22°58	14°29	19° 1	M 5
T 6	17 24 12	21°21'13	28°59	25°19	14°55	1°53	26°18	11°58	8°54	9°10	16°13	24°17	22°54	14°35	19° 5	T 6
W 7	17 28 8	22°18'23	13♑40	24°44	14°19	2°36	26°24	11°54	8°R54	9°12	16°12	24° 8	22°51	14°42	19° 9	W 7
T 8	17 32 5	23°15'33	27°59	24° 9	13°45	3°20	26°30	11°49	8°54	9°15	16°11	24° 0	22°48	14°49	19°13	T 8
F 9	17 36 2	24°12'43	11♒51	23°33	13°13	4° 3	26°36	11°45	8°54	9°17	16° 9	23°52	22°45	14°55	19°17	F 9
S 10	17 39 58	25° 9'52	25°16	22°59	12°42	4°46	26°42	11°41	8°54	9°19	16° 8	23°46	22°42	15° 2	19°21	S 10
S 11	17 43 55	26° 7'02	8♓13	22°25	12°12	5°29	26°48	11°37	8°54	9°21	16° 7	23°43	22°38	15° 9	19°24	S 11
M12	17 47 51	27° 4'11	20°47	21°53	11°45	6°12	26°53	11°32	8°54	9°23	16° 6	23°41	22°35	15°15	19°28	M12
T 13	17 51 48	28° 1'21	3♈ 1	21°23	11°19	6°55	26°59	11°28	8°53	9°25	16° 5	23°D41	22°32	15°22	19°32	T 13
W14	17 55 44	28°58'31	15° 1	20°56	10°56	7°38	27° 4	11°24	8°53	9°28	16° 4	23°42	22°29	15°29	19°35	W14
T 15	17 59 41	29°55'42	26°51	20°32	10°35	8°21	27° 9	11°20	8°53	9°30	16° 3	23°R42	22°26	15°35	19°39	T 15
F 16	18 3 37	0♋52'52	8♉39	20°12	10°16	9° 4	27°14	11°16	8°52	9°32	16° 2	23°41	22°23	15°42	19°43	F 16
S 17	18 7 34	1°50'03	20°26	19°56	9°59	9°46	27°19	11°12	8°52	9°34	16° 1	23°37	22°19	15°49	19°46	S 17
S 18	18 11 31	2°47'14	2♊19	19°45	9°45	10°29	27°23	11° 8	8°51	9°36	15°59	23°32	22°16	15°55	19°50	S 18
M19	18 15 27	3°44'25	14°19	19°38	9°33	11°12	27°27	11° 4	8°51	9°39	15°59	23°23	22°13	16° 2	19°53	M19
T 20	18 19 24	4°41'37	26°30	19°D36	9°23	11°54	27°32	11° 0	8°50	9°41	15°58	23°13	22°10	16° 9	19°57	T 20
W21	18 23 20	5°38'49	8♋51	19°39	9°16	12°36	27°36	10°56	8°50	9°43	15°57	23° 1	22° 7	16°15	20° 0	W21
T 22	18 27 17	6°36'00	21°25	19°47	9°12	13°19	27°39	10°53	8°49	9°45	15°56	22°48	22° 4	16°22	20° 4	T 22
F 23	18 31 13	7°33'13	4♌10	20° 0	9° 9	14° 1	27°43	10°49	8°48	9°48	15°55	22°37	22° 0	16°29	20° 7	F 23
S 24	18 35 10	8°30'25	17° 8	20°18	9°D 9	14°43	27°47	10°45	8°47	9°50	15°54	22°27	21°57	16°35	20°10	S 24
S 25	18 39 6	9°27'37	0♍17	20°42	9°11	15°25	27°50	10°42	8°46	9°52	15°53	22°19	21°54	16°42	20°13	S 25
M26	18 43 3	10°24'49	13°38	21°11	9°16	16° 7	27°53	10°38	8°46	9°54	15°52	22°15	21°51	16°49	20°17	M26
T 27	18 47 0	11°22'02	27°12	21°46	9°23	16°49	27°56	10°35	8°45	9°56	15°52	22°12	21°48	16°55	20°20	T 27
W28	18 50 56	12°19'14	11♎ 0	22°25	9°31	17°31	27°58	10°31	8°44	9°59	15°51	22°D12	21°44	17° 2	20°23	W28
T 29	18 54 53	13°16'27	25° 1	23°10	9°42	18°12	28° 1	10°28	8°43	10° 1	15°50	22°R12	21°41	17° 9	20°26	T 29
F 30	18 58 49	14♋13'39	9♏16	24♊ 1	9♊55	18♉54	28♓ 3	10♐24	8♓42	10♋ 3	15♏50	22♎11	21♎38	17♉15	20♉29	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n51	6s40	0s53	21n15	2s15	22n 6	0s54	9n55	1s 3	2s51	1s15	20s48	1n35	8s59	0s47	22n31	0s43	3s 5	14n16	9s34	9s 2	14n22	15n21	2s13
F 2	22 57	10 52	0n25	20 59	2 32	21 48	1 8	10 11	1 2	2 49	1 16	20 47	1 34	8 59	0 47	22 30	0 43	3 5	14 16	9 34	9 1	14 23	15 22	2 13
S 3	23 2	14 29	1 43	20 42	2 48	21 31	1 22	10 27	1 2	2 46	1 16	20 47	1 34	8 59	0 47	22 30	0 43	3 5	14 16	9 33	9 0	14 24	15 22	2 13
S 4	23 7	17 11	2 54	20 26	3 3	21 13	1 36	10 43	1 2	2 44	1 16	20 47	1 34	8 59	0 47	22 30	0 43	3 5	14 15	9 32	8 59	14 25	15 23	2 13
M 5	23 11	18 43	3 53	20 11	3 18	20 56	1 49	10 58	1 1	2 41	1 17	20 46	1 34	8 59	0 47	22 30	0 43	3 5	14 15	9 30	8 58	14 26	15 24	2 13
T 6	23 15	18 55	4 36	19 56	3 31	20 39	2 2	11 14	1 1	2 39	1 17	20 46	1 34	8 59	0 47	22 30	0 43	3 5	14 15	9 27	8 56	14 28	15 25	2 14
W 7	23 19	17 51	5 0	19 42	3 44	20 22	2 15	11 29	1 0	2 37	1 17	20 45	1 34	8 59	0 47	22 30	0 43	3 5	14 14	9 24	8 55	14 29	15 26	2 14
T 8	23 22	15 40	5 5	19 29	3 56	20 6	2 28	11 44	1 0	2 35	1 17	20 45	1 34	8 59	0 47	22 30	0 43	3 5	14 14	9 21	8 54	14 30	15 27	2 14
F 9	23 24	12 39	4 51	19 17	4 6	19 50	2 40	12 0	0 59	2 33	1 18	20 44	1 34	8 59	0 47	22 30	0 43	3 5	14 13	9 18	8 53	14 31	15 28	2 14
S 10	23 27	9 3	4 21	19 6	4 15	19 34	2 51	12 15	0 59	2 30	1 18	20 44	1 34	8 59	0 47	22 29	0 43	3 5	14 13	9 16	8 52	14 32	15 29	2 14
S 11	23 29	5 9	3 38	18 57	4 23	19 20	3 3	12 29	0 58	2 28	1 18	20 43	1 34	8 59	0 47	22 29	0 43	3 5	14 13	9 14	8 51	14 33	15 30	2 14
M12	23 30	1 7	2 47	18 49	4 29	19 5	3 13	12 44	0 58	2 26	1 19	20 43	1 33	8 59	0 47	22 29	0 43	3 5	14 12	9 14	8 49	14 34	15 30	2 15
T 13	23 31	2n51	1 48	18 42	4 34	18 52	3 23	12 59	0 57	2 25	1 19	20 42	1 33	9 0	0 47	22 29	0 43	3 6	14 12	9 14	8 48	14 36	15 31	2 15
W14	23 32	6 39	0 46	18 37	4 37	18 39	3 33	13 13	0 56	2 23	1 19	20 42	1 33	9 0	0 47	22 29	0 43	3 6	14 11	9 14	8 47	14 37	15 32	2 15
T 15	23 32	10 8	0s17	18 34	4 38	18 27	3 42	13 28	0 56	2 21	1 19	20 41	1 33	9 0	0 47	22 29	0 43	3 6	14 11	9 14	8 46	14 38	15 33	2 15
F 16	23 32	13 12	1 19	18 33	4 38	18 16	3 51	13 42	0 55	2 19	1 20	20 41	1 33	9 0	0 47	22 29	0 43	3 6	14 11	9 14	8 45	14 39	15 34	2 15
S 17	23 31	15 43	2 17	18 33	4 37	18 6	3 59	13 56	0 55	2 18	1 20	20 41	1 33	9 0	0 47	22 28	0 43	3 6	14 10	9 12	8 43	14 40	15 34	2 16
S 18	23 30	17 36	3 10	18 35	4 34	17 56	4 6	14 10	0 54	2 16	1 20	20 40	1 33	9 1	0 47	22 28	0 43	3 6	14 10	9 10	8 42	14 41	15 35	2 16
M19	23 29	18 43	3 55	18 38	4 30	17 48	4 13	14 24	0 54	2 15	1 21	20 40	1 33	9 1	0 47	22 28	0 43	3 6	14 9	9 7	8 41	14 42	15 36	2 16
T 20	23 27	18 59	4 30	18 44	4 25	17 40	4 20	14 37	0 53	2 13	1 21	20 39	1 32	9 1	0 47	22 28	0 43	3 6	14 9	9 3	8 40	14 44	15 37	2 16
W21	23 25	18 22	4 53	18 50	4 18	17 33	4 25	14 51	0 53	2 12	1 21	20 39	1 32	9 1	0 47	22 28	0 43	3 7	14 9	8 59	8 39	14 45	15 37	2 16
T 22	23 22	16 52	5 1	18 58	4 11	17 27	4 31	15 4	0 52	2 11	1 21	20 39	1 32	9 2	0 47	22 28	0 43	3 7	14 8	8 54	8 37	14 46	15 38	2 16
F 23	23 19	14 30	4 55	19 8	4 2	17 22	4 36	15 17	0 51	2 10	1 22	20 38	1 32	9 2	0 47	22 27	0 43	3 7	14 8	8 50	8 36	14 47	15 39	2 17
S 24	23 16	11 24	4 34	19 19	3 53	17 18	4 40	15 31	0 51	2 9	1 22	20 38	1 32	9 2	0 47	22 27	0 43	3 7	14 7	8 46	8 35	14 48	15 39	2 17
S 25	23 12	7 42	3 59	19 31	3 42	17 14	4 44	15 43	0 50	2 8	1 22	20 38	1 32	9 3	0 47	22 27	0 43	3 7	14 7	8 43	8 34	14 49	15 40	2 17
M26	23 7	3 33	3 9	19 44	3 31	17 11	4 47	15 56	0 49	2 7	1 23	20 37	1 32	9 3	0 47	22 27	0 43	3 8	14 6	8 42	8 33	14 50	15 41	2 17
T 27	23 3	0s51	2 8	19 57	3 20	17 9	4 51	16 9	0 49	2 6	1 23	20 37	1 31	9 3	0 47	22 27	0 43	3 8	14 6	8 41	8 32	14 51	15 41	2 17
W28	22 58	5 16	0 59	20 12	3 7	17 8	4 53	16 21	0 48	2 5	1 23	20 37	1 31	9 4	0 48	22 27	0 43	3 8	14 5	8 41	8 30	14 53	15 42	2 18
T 29	22 52	9 29	0n15	20 27	2 55	17 7	4 55	16 34	0 47	2 4	1 24	20 36	1 31	9 4	0 48	22 27	0 43	3 8	14 5	8 41	8 29	14 54	15 43	2 18
F 30	22n46	13s14	1n29	20n43	2s42	17n 7	4s57	16n46	0s47	2s 4	1s24	20s36	1n31	9s 5	0s48	22n26	0s43	3s 9	14n 4	8s40	8s28	14n55	15n43	2s18

Julian Day Number = 2178136.5, Delta T = 11m44s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'04, Lahiri = 13°25'04 Julian Calendar 1 June 1251 == Greg. Calendar 8 June 1251

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ASTRODIENST EPHEMERIS for the year 1251
geocentric

JULY 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 2 46	15♋10'53	23♏44	24♊56	10♊10	19♉35	28♓ 5	10°R21	8°R40	10♋ 5	15°R49	22°R 9	21♎35	17♉22	20♉32	S 1
S 2	19 6 42	16° 8'06	8♐20	25°56	10°27	20°17	28° 7	10♐18	8♓39	10° 8	15♏48	22♎ 4	21°32	17°29	20°35	S 2
M 3	19 10 39	17° 5'20	23° 0	27° 2	10°46	20°58	28° 9	10°15	8°38	10°10	15°48	21°56	21°29	17°35	20°38	M 3
T 4	19 14 35	18° 2'34	7♑37	28°12	11° 6	21°40	28°11	10°12	8°37	10°12	15°47	21°46	21°25	17°42	20°41	T 4
W 5	19 18 32	18°59'48	22° 3	29°27	11°29	22°21	28°12	10° 9	8°36	10°14	15°47	21°35	21°22	17°49	20°44	W 5
T 6	19 22 29	19°57'04	6♒12	0♋47	11°53	23° 2	28°13	10° 6	8°34	10°16	15°46	21°23	21°19	17°55	20°46	T 6
F 7	19 26 25	20°54'20	19°59	2°11	12°18	23°43	28°14	10° 3	8°33	10°19	15°46	21°13	21°16	18° 2	20°49	F 7
S 8	19 30 22	21°51'37	3♓21	3°40	12°46	24°24	28°15	10° 1	8°32	10°21	15°45	21° 5	21°13	18° 9	20°52	S 8
S 9	19 34 18	22°48'55	16°18	5°13	13°14	25° 5	28°16	9°58	8°30	10°23	15°45	20°59	21°10	18°15	20°54	S 9
M10	19 38 15	23°46'13	28°53	6°50	13°45	25°45	28°16	9°55	8°29	10°25	15°45	20°56	21° 6	18°22	20°57	M10
T 11	19 42 11	24°43'33	11♈ 8	8°31	14°16	26°26	28°16	9°53	8°27	10°27	15°44	20°55	21° 3	18°29	20°59	T 11
W12	19 46 8	25°40'54	23° 9	10°16	14°49	27° 7	28°R16	9°50	8°26	10°30	15°44	20°54	21° 0	18°35	21° 2	W12
T 13	19 50 4	26°38'16	5♉ 1	12° 4	15°24	27°47	28°16	9°48	8°24	10°32	15°44	20°54	20°57	18°42	21° 4	T 13
F 14	19 54 1	27°35'39	16°49	13°56	15°59	28°27	28°16	9°46	8°23	10°34	15°44	20°53	20°54	18°49	21° 7	F 14
S 15	19 57 58	28°33'04	28°40	15°50	16°36	29° 8	28°15	9°44	8°21	10°36	15°43	20°50	20°50	18°55	21° 9	S 15
S 16	20 1 54	29°30'29	10♊36	17°46	17°14	29°48	28°14	9°42	8°19	10°38	15°43	20°44	20°47	19° 2	21°11	S 16
M17	20 5 51	0♌27'56	22°44	19°45	17°53	0♊28	28°13	9°40	8°18	10°40	15°43	20°36	20°44	19° 9	21°13	M17
T 18	20 9 47	1°25'24	5♋ 4	21°45	18°33	1° 8	28°12	9°38	8°16	10°42	15°43	20°26	20°41	19°15	21°16	T 18
W19	20 13 44	2°22'53	17°39	23°47	19°15	1°48	28°11	9°36	8°14	10°45	15°43	20°14	20°38	19°22	21°18	W19
T 20	20 17 40	3°20'24	0♌30	25°50	19°57	2°28	28° 9	9°34	8°12	10°47	15°D43	20° 1	20°35	19°28	21°20	T 20
F 21	20 21 37	4°17'55	13°36	27°53	20°40	3° 7	28° 7	9°32	8°10	10°49	15°43	19°49	20°31	19°35	21°22	F 21
S 22	20 25 33	5°15'27	26°55	29°57	21°24	3°47	28° 5	9°31	8° 8	10°51	15°43	19°39	20°28	19°42	21°24	S 22
S 23	20 29 30	6°13'01	10♍25	2♌ 1	22°10	4°26	28° 3	9°29	8° 7	10°53	15°43	19°31	20°25	19°48	21°26	S 23
M24	20 33 27	7°10'35	24° 5	4° 4	22°55	5° 6	28° 1	9°28	8° 5	10°55	15°43	19°27	20°22	19°55	21°27	M24
T 25	20 37 23	8° 8'11	7♎54	6° 8	23°42	5°45	27°58	9°27	8° 3	10°57	15°43	19°24	20°19	20° 2	21°29	T 25
W26	20 41 20	9° 5'47	21°50	8°10	24°30	6°24	27°55	9°26	8° 1	10°59	15°44	19°D24	20°16	20° 8	21°31	W26
T 27	20 45 16	10° 3'24	5♏52	10°12	25°18	7° 3	27°53	9°24	7°59	11° 1	15°44	19°R24	20°12	20°15	21°32	T 27
F 28	20 49 13	11° 1'03	20° 0	12°13	26° 7	7°42	27°49	9°23	7°57	11° 3	15°44	19°24	20° 9	20°22	21°34	F 28
S 29	20 53 9	11°58'42	4♐13	14°13	26°57	8°21	27°46	9°23	7°55	11° 5	15°44	19°22	20° 6	20°28	21°35	S 29
S 30	20 57 6	12°56'23	18°29	16°12	27°47	9° 0	27°43	9°22	7°52	11° 7	15°45	19°18	20° 3	20°35	21°37	S 30
M31	21 1 2	13♌54'04	2♑44	18♌10	28♊39	9♊38	27♓39	9♐21	7♓50	11♋ 9	15♏45	19♎11	20♎ 0	20♉42	21♉38	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n40	16s13	2n39	20n58	2s28	17n 8	4s59	16n58	0s46	2s 3	1s24	20s36	1n31	9s 5	0s48	22n26	0s43	3s 9	14n 4	8s39	8s27	14n56	15n44	2s18
S 2	22 33	18 11	3 38	21 14	2 14	17 9	5 0	17 9	0 45	2 2	1 25	20 35	1 31	9 6	0 48	22 26	0 43	3 9	14 3	8 38	8 26	14 57	15 44	2 19
M 3	22 26	18 57	4 24	21 30	2 0	17 11	5 1	17 21	0 45	2 2	1 25	20 35	1 30	9 6	0 48	22 26	0 43	3 10	14 3	8 35	8 24	14 58	15 45	2 19
T 4	22 19	18 28	4 52	21 45	1 46	17 13	5 1	17 32	0 44	2 2	1 25	20 35	1 30	9 7	0 48	22 26	0 43	3 10	14 2	8 31	8 23	14 59	15 46	2 19
W 5	22 11	16 46	5 1	22 0	1 32	17 16	5 1	17 44	0 43	2 1	1 25	20 34	1 30	9 7	0 48	22 26	0 43	3 10	14 2	8 27	8 22	15 0	15 46	2 19
T 6	22 3	14 6	4 51	22 14	1 18	17 20	5 1	17 55	0 43	2 1	1 26	20 34	1 30	9 8	0 48	22 25	0 43	3 11	14 1	8 22	8 21	15 1	15 47	2 19
F 7	21 54	10 42	4 24	22 27	1 4	17 23	5 1	18 6	0 42	2 1	1 26	20 34	1 30	9 8	0 48	22 25	0 43	3 11	14 1	8 18	8 20	15 2	15 47	2 20
S 8	21 45	6 51	3 44	22 39	0 50	17 27	5 0	18 17	0 41	2 1	1 26	20 34	1 30	9 9	0 48	22 25	0 43	3 11	14 0	8 15	8 18	15 3	15 48	2 20
S 9	21 36	2 47	2 52	22 49	0 36	17 32	4 59	18 27	0 41	2 1	1 27	20 34	1 29	9 9	0 48	22 25	0 43	3 12	14 0	8 13	8 17	15 5	15 48	2 20
M10	21 26	1n18	1 54	22 58	0 23	17 36	4 58	18 38	0 40	2 1	1 27	20 33	1 29	9 10	0 48	22 25	0 43	3 12	13 59	8 12	8 16	15 6	15 49	2 20
T 11	21 16	5 13	0 52	23 5	0 10	17 41	4 57	18 48	0 39	2 2	1 27	20 33	1 29	9 10	0 48	22 25	0 43	3 13	13 59	8 12	8 15	15 7	15 49	2 20
W12	21 5	8 51	0s12	23 10	0n 2	17 47	4 55	18 58	0 38	2 2	1 28	20 33	1 29	9 11	0 48	22 24	0 43	3 13	13 58	8 11	8 14	15 8	15 49	2 21
T 13	20 55	12 5	1 14	23 13	0 14	17 52	4 53	19 8	0 38	2 2	1 28	20 33	1 29	9 12	0 48	22 24	0 43	3 13	13 58	8 11	8 12	15 9	15 50	2 21
F 14	20 43	14 48	2 13	23 14	0 26	17 58	4 51	19 18	0 37	2 3	1 28	20 33	1 28	9 12	0 48	22 24	0 43	3 14	13 57	8 11	8 11	15 10	15 50	2 21
S 15	20 32	16 55	3 6	23 12	0 37	18 4	4 49	19 27	0 36	2 3	1 29	20 33	1 28	9 13	0 48	22 24	0 43	3 14	13 57	8 10	8 10	15 11	15 51	2 21
S 16	20 20	18 19	3 51	23 7	0 47	18 10	4 47	19 37	0 35	2 4	1 29	20 32	1 28	9 13	0 48	22 24	0 43	3 15	13 56	8 8	8 9	15 12	15 51	2 22
M17	20 8	18 54	4 27	23 0	0 56	18 16	4 44	19 46	0 34	2 4	1 29	20 32	1 28	9 14	0 48	22 24	0 43	3 15	13 56	8 5	8 8	15 13	15 51	2 22
T 18	19 55	18 36	4 51	22 50	1 5	18 22	4 42	19 55	0 34	2 5	1 29	20 32	1 28	9 15	0 48	22 23	0 43	3 16	13 55	8 1	8 6	15 14	15 52	2 22
W19	19 42	17 24	5 1	22 37	1 12	18 28	4 39	20 4	0 33	2 6	1 30	20 32	1 27	9 16	0 48	22 23	0 43	3 16	13 55	7 56	8 5	15 15	15 52	2 22
T 20	19 29	15 18	4 56	22 22	1 19	18 34	4 36	20 13	0 32	2 7	1 30	20 32	1 27	9 16	0 48	22 23	0 43	3 17	13 54	7 51	8 4	15 16	15 52	2 23
F 21	19 16	12 24	4 36	22 4	1 25	18 40	4 33	20 21	0 31	2 8	1 30	20 32	1 27	9 17	0 48	22 23	0 43	3 17	13 54	7 47	8 3	15 17	15 53	2 23
S 22	19 2	8 49	4 1	21 43	1 31	18 46	4 29	20 30	0 30	2 9	1 31	20 32	1 27	9 18	0 48	22 23	0 43	3 18	13 53	7 43	8 2	15 18	15 53	2 23
S 23	18 48	4 44	3 11	21 20	1 35	18 53	4 26	20 38	0 30	2 10	1 31	20 32	1 27	9 18	0 48	22 23	0 43	3 18	13 52	7 40	8 0	15 19	15 53	2 23
M24	18 33	0 22	2 10	20 55	1 39	18 59	4 22	20 46	0 29	2 11	1 31	20 32	1 27	9 19	0 48	22 22	0 43	3 19	13 52	7 38	7 59	15 20	15 53	2 24
T 25	18 18	4s 5	1 1	20 28	1 42	19 4	4 19	20 54	0 28	2 13	1 31	20 32	1 26	9 20	0 48	22 22	0 43	3 19	13 51	7 37	7 58	15 21	15 53	2 24
W26	18 3	8 20	0n13	19 58	1 44	19 10	4 15	21 1	0 27	2 14	1 32	20 32	1 26	9 21	0 48	22 22	0 43	3 20	13 51	7 37	7 57	15 22	15 54	2 24
T 27	17 48	12 10	1 26	19 27	1 46	19 16	4 11	21 9	0 26	2 15	1 32	20 32	1 26	9 21	0 48	22 22	0 43	3 21	13 50	7 37	7 56	15 23	15 54	2 24
F 28	17 32	15 19	2 35	18 54	1 46	19 21	4 7	21 16	0 25	2 17	1 32	20 32	1 26	9 22	0 48	22 22	0 43	3 21	13 50	7 37	7 54	15 24	15 54	2 25
S 29	17 16	17 33	3 35	18 19	1 46	19 27	4 3	21 23	0 24	2 18	1 33	20 32	1 26	9 23	0 48	22 22	0 43	3 22	13 49	7 37	7 53	15 25	15 54	2 25
S 30	17 0	18 42	4 21	17 43	1 46	19 32	3 59	21 30	0 24	2 20	1 33	20 32	1 25	9 24	0 48	22 21	0 43	3 22	13 49	7 35	7 52	15 26	15 54	2 25
M31	16n43	18s39	4n51	17n 6	1n44	19n37	3s55	21n37	0s23	2s22	1s33	20s32	1n25	9s25	0s48	22n21	0s43	3s23	13n48	7s33	7s51	15n28	15n54	2s25

Julian Day Number = 2178166.5, Delta T = 11m43s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'08, Lahiri = 13°25'08 Julian Calendar 1 July 1251 == Greg. Calendar 8 July 1251

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1251
geocentric

AUGUST 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 4 59	14♌51'47	16♉55	20♌ 6	29♊30	10♊17	27°R35	9°R20	7°R48	11♋11	15♏45	19°R 3	19♎56	20♉48	21♉40	T 1
W 2	21 8 56	15°49'31	0♒57	22° 1	0♋23	10°55	27♓31	9♐20	7♓46	11°13	15°46	18♎53	19°53	20°55	21°41	W 2
T 3	21 12 52	16°47'16	14°45	23°55	1°16	11°34	27°27	9°19	7°44	11°15	15°46	18°43	19°50	21° 2	21°42	T 3
F 4	21 16 49	17°45'03	28°16	25°47	2° 9	12°12	27°22	9°19	7°42	11°16	15°47	18°34	19°47	21° 8	21°43	F 4
S 5	21 20 45	18°42'52	11♓27	27°38	3° 4	12°50	27°18	9°19	7°39	11°18	15°47	18°26	19°44	21°15	21°44	S 5
S 6	21 24 42	19°40'41	24°17	29°28	3°59	13°28	27°13	9°19	7°37	11°20	15°48	18°21	19°41	21°22	21°45	S 6
M 7	21 28 38	20°38'33	6♈47	1♍16	4°54	14° 5	27° 8	9°D19	7°35	11°22	15°48	18°19	19°37	21°28	21°46	M 7
T 8	21 32 35	21°36'26	19° 1	3° 3	5°50	14°43	27° 3	9°19	7°33	11°24	15°49	18°D18	19°34	21°35	21°47	T 8
W 9	21 36 31	22°34'21	1♉ 2	4°49	6°46	15°21	26°58	9°19	7°30	11°26	15°50	18°19	19°31	21°42	21°48	W 9
T 10	21 40 28	23°32'19	12°55	6°33	7°43	15°58	26°53	9°19	7°28	11°27	15°50	18°20	19°28	21°48	21°49	T 10
F 11	21 44 25	24°30'17	24°44	8°16	8°40	16°35	26°47	9°19	7°26	11°29	15°51	18°R20	19°25	21°55	21°50	F 11
S 12	21 48 21	25°28'18	6♊36	9°58	9°38	17°13	26°41	9°20	7°24	11°31	15°52	18°19	19°21	22° 2	21°50	S 12
S 13	21 52 18	26°26'21	18°35	11°39	10°36	17°50	26°36	9°20	7°21	11°33	15°53	18°17	19°18	22° 8	21°51	S 13
M14	21 56 14	27°24'26	0♋46	13°18	11°35	18°27	26°30	9°21	7°19	11°34	15°53	18°12	19°15	22°15	21°51	M14
T 15	22 0 11	28°22'33	13°12	14°56	12°34	19° 3	26°23	9°22	7°16	11°36	15°54	18° 6	19°12	22°22	21°52	T 15
W16	22 4 7	29°20'41	25°57	16°33	13°34	19°40	26°17	9°23	7°14	11°38	15°55	17°58	19° 9	22°28	21°52	W16
T 17	22 8 4	0♍18'52	9♌ 1	18° 8	14°33	20°17	26°11	9°23	7°12	11°39	15°56	17°50	19° 6	22°35	21°52	T 17
F 18	22 12 0	1°17'04	22°25	19°42	15°34	20°53	26° 4	9°24	7° 9	11°41	15°57	17°42	19° 2	22°42	21°53	F 18
S 19	22 15 57	2°15'18	6♍ 6	21°16	16°34	21°29	25°58	9°26	7° 7	11°42	15°58	17°35	18°59	22°48	21°53	S 19
S 20	22 19 54	3°13'34	20° 1	22°48	17°35	22° 5	25°51	9°27	7° 5	11°44	15°59	17°30	18°56	22°55	21°53	S 20
M21	22 23 50	4°11'52	4♎ 7	24°18	18°37	22°41	25°44	9°28	7° 2	11°45	16° 0	17°27	18°53	23° 2	21°R53	M21
T 22	22 27 47	5°10'11	18°19	25°48	19°38	23°17	25°37	9°29	7° 0	11°47	16° 1	17°D27	18°50	23° 8	21°53	T 22
W23	22 31 43	6° 8'32	2♏34	27°16	20°40	23°53	25°30	9°31	6°57	11°48	16° 2	17°27	18°47	23°15	21°53	W23
T 24	22 35 40	7° 6'54	16°49	28°43	21°43	24°28	25°23	9°33	6°55	11°50	16° 3	17°29	18°43	23°22	21°53	T 24
F 25	22 39 36	8° 5'19	1♐ 2	0♎ 9	22°45	25° 3	25°15	9°34	6°53	11°51	16° 5	17°30	18°40	23°28	21°53	F 25
S 26	22 43 33	9° 3'44	15°10	1°34	23°48	25°39	25° 8	9°36	6°50	11°53	16° 6	17°R30	18°37	23°35	21°52	S 26
S 27	22 47 29	10° 2'12	29°13	2°57	24°51	26°14	25° 1	9°38	6°48	11°54	16° 7	17°28	18°34	23°42	21°52	S 27
M28	22 51 26	11° 0'41	13♑ 8	4°19	25°55	26°49	24°53	9°40	6°45	11°55	16° 8	17°25	18°31	23°49	21°51	M28
T 29	22 55 23	11°59'12	26°55	5°39	26°59	27°23	24°45	9°42	6°43	11°57	16°10	17°21	18°27	23°55	21°51	T 29
W30	22 59 19	12°57'44	10♒30	6°59	28° 3	27°58	24°38	9°44	6°41	11°58	16°11	17°15	18°24	24° 2	21°50	W30
T 31	23 3 16	13♍56'18	23♒52	8♎17	29♋ 7	28♊32	24♓30	9♐46	6♓38	11♋59	16♏12	17♎10	18♎21	24♉ 9	21♉50	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n26	17s26	5n 3	16n28	1n43	19n41	3s51	21n43	0s22	2s24	1s33	20s32	1n25	9s25	0s48	22n21	0s43	3s24	13n48	7s29	7s50	15n29	15n55	2s26
W 2	16 9	15 12	4 57	15 48	1 40	19 46	3 46	21 50	0 21	2 25	1 34	20 33	1 25	9 26	0 48	22 21	0 43	3 24	13 47	7 25	7 48	15 30	15 55	2 26
T 3	15 52	12 7	4 33	15 8	1 37	19 50	3 42	21 56	0 20	2 27	1 34	20 33	1 25	9 27	0 48	22 21	0 43	3 25	13 47	7 22	7 47	15 31	15 55	2 26
F 4	15 34	8 27	3 54	14 27	1 34	19 54	3 37	22 2	0 19	2 29	1 34	20 33	1 24	9 28	0 48	22 21	0 43	3 26	13 46	7 18	7 46	15 32	15 55	2 26
S 5	15 17	4 28	3 4	13 45	1 30	19 57	3 33	22 8	0 18	2 31	1 34	20 33	1 24	9 29	0 48	22 20	0 43	3 26	13 46	7 15	7 45	15 33	15 55	2 27
S 6	14 58	0 22	2 5	13 3	1 26	20 0	3 28	22 13	0 17	2 33	1 35	20 33	1 24	9 30	0 49	22 20	0 43	3 27	13 45	7 13	7 44	15 34	15 55	2 27
M 7	14 40	3n39	1 1	12 20	1 22	20 3	3 24	22 19	0 16	2 36	1 35	20 33	1 24	9 30	0 49	22 20	0 43	3 28	13 44	7 12	7 42	15 35	15 55	2 27
T 8	14 21	7 25	0s 4	11 37	1 17	20 6	3 19	22 24	0 15	2 38	1 35	20 34	1 23	9 31	0 49	22 20	0 43	3 28	13 44	7 12	7 41	15 36	15 55	2 27
W 9	14 3	10 49	1 8	10 53	1 11	20 8	3 14	22 29	0 14	2 40	1 35	20 34	1 23	9 32	0 49	22 20	0 43	3 29	13 43	7 12	7 40	15 37	15 55	2 28
T 10	13 44	13 44	2 8	10 10	1 6	20 10	3 9	22 34	0 13	2 42	1 36	20 34	1 23	9 33	0 49	22 20	0 43	3 30	13 43	7 13	7 39	15 38	15 55	2 28
F 11	13 24	16 4	3 3	9 26	1 0	20 11	3 4	22 39	0 12	2 45	1 36	20 34	1 23	9 34	0 49	22 20	0 43	3 30	13 42	7 13	7 38	15 38	15 55	2 28
S 12	13 5	17 43	3 50	8 41	0 54	20 12	3 0	22 44	0 11	2 47	1 36	20 35	1 23	9 35	0 49	22 19	0 43	3 31	13 42	7 13	7 36	15 39	15 54	2 28
S 13	12 45	18 36	4 28	7 57	0 47	20 12	2 55	22 48	0 10	2 50	1 36	20 35	1 22	9 36	0 49	22 19	0 43	3 32	13 41	7 12	7 35	15 40	15 54	2 29
M14	12 25	18 38	4 54	7 13	0 41	20 12	2 50	22 52	0 9	2 52	1 37	20 35	1 22	9 37	0 49	22 19	0 43	3 32	13 41	7 10	7 34	15 41	15 54	2 29
T 15	12 5	17 48	5 6	6 29	0 34	20 12	2 45	22 57	0 8	2 55	1 37	20 35	1 22	9 37	0 49	22 19	0 43	3 33	13 40	7 7	7 33	15 42	15 54	2 29
W16	11 45	16 3	5 5	5 45	0 27	20 11	2 40	23 1	0 7	2 58	1 37	20 36	1 22	9 38	0 49	22 19	0 43	3 34	13 40	7 4	7 32	15 43	15 54	2 29
T 17	11 24	13 27	4 47	5 0	0 20	20 10	2 35	23 4	0 6	3 1	1 37	20 36	1 22	9 39	0 49	22 19	0 43	3 35	13 39	7 1	7 30	15 44	15 54	2 30
F 18	11 4	10 6	4 13	4 17	0 12	20 9	2 30	23 8	0 5	3 3	1 37	20 36	1 21	9 40	0 49	22 18	0 43	3 35	13 39	6 58	7 29	15 45	15 54	2 30
S 19	10 43	6 8	3 25	3 33	0 5	20 6	2 25	23 11	0 4	3 6	1 37	20 37	1 21	9 41	0 49	22 18	0 43	3 36	13 38	6 56	7 28	15 46	15 53	2 30
S 20	10 22	1 47	2 23	2 50	0s 3	20 4	2 20	23 15	0 3	3 9	1 38	20 37	1 21	9 42	0 49	22 18	0 43	3 37	13 38	6 54	7 27	15 47	15 53	2 30
M21	10 1	2s44	1 12	2 6	0 11	20 1	2 15	23 18	0 2	3 12	1 38	20 38	1 21	9 43	0 49	22 18	0 43	3 38	13 37	6 53	7 25	15 48	15 53	2 31
T 22	9 39	7 8	0n 5	1 24	0 19	19 57	2 10	23 21	0 1	3 15	1 38	20 38	1 21	9 44	0 49	22 18	0 43	3 38	13 37	6 52	7 24	15 49	15 53	2 31
W23	9 18	11 8	1 21	0 41	0 27	19 53	2 5	23 24	0n 0	3 18	1 38	20 38	1 20	9 45	0 49	22 18	0 43	3 39	13 36	6 53	7 23	15 50	15 52	2 31
T 24	8 56	14 29	2 33	0s 1	0 35	19 48	2 0	23 26	0 1	3 21	1 38	20 39	1 20	9 46	0 49	22 18	0 43	3 40	13 36	6 53	7 22	15 51	15 52	2 31
F 25	8 34	16 57	3 35	0 43	0 43	19 43	1 55	23 29	0 2	3 24	1 38	20 39	1 20	9 46	0 49	22 17	0 43	3 41	13 35	6 54	7 21	15 52	15 52	2 32
S 26	8 12	18 21	4 23	1 24	0 51	19 38	1 50	23 31	0 3	3 27	1 39	20 40	1 20	9 47	0 49	22 17	0 43	3 42	13 35	6 54	7 19	15 53	15 51	2 32
S 27	7 50	18 36	4 56	2 5	0 59	19 32	1 44	23 33	0 5	3 30	1 39	20 40	1 20	9 48	0 49	22 17	0 43	3 42	13 34	6 53	7 18	15 54	15 51	2 32
M28	7 28	17 44	5 10	2 45	1 7	19 25	1 39	23 35	0 6	3 33	1 39	20 41	1 19	9 49	0 49	22 17	0 43	3 43	13 34	6 52	7 17	15 55	15 51	2 33
T 29	7 6	15 50	5 7	3 24	1 15	19 18	1 34	23 37	0 7	3 36	1 39	20 41	1 19	9 50	0 49	22 17	0 43	3 44	13 33	6 50	7 16	15 56	15 50	2 33
W30	6 43	13 5	4 46	4 3	1 23	19 10	1 30	23 39	0 8	3 39	1 39	20 42	1 19	9 51	0 49	22 17	0 43	3 45	13 33	6 48	7 15	15 57	15 50	2 33
T 31	6n21	9s41	4n10	4s42	1s31	19n 2	1s25	23n41	0n 9	3s43	1s39	20s42	1n19	9s52	0s49	22n17	0s43	3s46	13n32	6s46	7s13	15n58	15n50	2s33

Julian Day Number = 2178197.5, Delta T = 11m43s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'12, Lahiri = 13°25'13 Julian Calendar 1 Aug. 1251 == Greg. Calendar 8 Aug. 1251

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ASTRODIENST EPHEMERIS for the year 1251
geocentric

SEPTEMBER 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 7 12	14♍54'54	7♓ 0	9♎33	0♌12	29♊ 6	24°R22	9♐49	6°R36	12♋ 0	16♏14	17°R 5	18♎18	24♉15	21°R49	F 1
S 2	23 11 9	15°53'32	19°52	10°48	1°17	29°40	24♓14	9°51	6♓33	12° 2	16°15	17♎ 1	18°15	24°22	21♉48	S 2
S 3	23 15 5	16°52'12	2♈29	12° 1	2°22	0♋14	24° 6	9°54	6°31	12° 3	16°16	16°58	18°12	24°29	21°48	S 3
M 4	23 19 2	17°50'54	14°51	13°12	3°27	0°48	23°59	9°56	6°29	12° 4	16°18	16°D57	18° 8	24°35	21°47	M 4
T 5	23 22 58	18°49'38	27° 0	14°22	4°33	1°22	23°51	9°59	6°26	12° 5	16°19	16°58	18° 5	24°42	21°46	T 5
W 6	23 26 55	19°48'24	8♉58	15°30	5°39	1°55	23°43	10° 2	6°24	12° 6	16°21	16°59	18° 2	24°49	21°45	W 6
T 7	23 30 51	20°47'13	20°50	16°35	6°45	2°28	23°35	10° 5	6°22	12° 7	16°22	17° 1	17°59	24°55	21°44	T 7
F 8	23 34 48	21°46'04	2♊39	17°39	7°51	3° 1	23°27	10° 8	6°20	12° 8	16°24	17° 3	17°56	25° 2	21°43	F 8
S 9	23 38 45	22°44'57	14°31	18°40	8°58	3°34	23°18	10°11	6°17	12° 9	16°26	17° 4	17°53	25° 9	21°41	S 9
S 10	23 42 41	23°43'53	26°29	19°38	10° 5	4° 6	23°10	10°14	6°15	12°10	16°27	17°R 4	17°49	25°15	21°40	S 10
M11	23 46 38	24°42'50	8♋40	20°34	11°12	4°39	23° 2	10°17	6°13	12°11	16°29	17° 3	17°46	25°22	21°39	M11
T 12	23 50 34	25°41'51	21° 6	21°27	12°19	5°11	22°54	10°20	6°11	12°12	16°31	17° 1	17°43	25°29	21°38	T 12
W13	23 54 31	26°40'53	3♌53	22°17	13°26	5°43	22°46	10°24	6° 8	12°13	16°32	16°59	17°40	25°35	21°36	W13
T 14	23 58 27	27°39'58	17° 2	23° 3	14°34	6°15	22°38	10°27	6° 6	12°14	16°34	16°56	17°37	25°42	21°35	T 14
F 15	0 2 24	28°39'05	0♍35	23°45	15°42	6°46	22°30	10°31	6° 4	12°15	16°36	16°54	17°33	25°49	21°33	F 15
S 16	0 6 20	29°38'14	14°31	24°24	16°50	7°18	22°22	10°34	6° 2	12°15	16°37	16°51	17°30	25°55	21°31	S 16
S 17	0 10 17	0♎37'25	28°46	24°58	17°58	7°49	22°15	10°38	6° 0	12°16	16°39	16°50	17°27	26° 2	21°30	S 17
M18	0 14 14	1°36'39	13♎16	25°26	19° 6	8°20	22° 7	10°42	5°58	12°17	16°41	16°D49	17°24	26° 9	21°28	M18
T 19	0 18 10	2°35'54	27°56	25°50	20°15	8°51	21°59	10°46	5°56	12°17	16°43	16°49	17°21	26°15	21°26	T 19
W20	0 22 7	3°35'12	12♏37	26° 8	21°23	9°21	21°51	10°50	5°53	12°18	16°45	16°50	17°18	26°22	21°24	W20
T 21	0 26 3	4°34'31	27°15	26°19	22°32	9°51	21°44	10°54	5°51	12°19	16°47	16°51	17°14	26°29	21°23	T 21
F 22	0 30 0	5°33'52	11♐44	26°R24	23°41	10°21	21°36	10°58	5°49	12°19	16°49	16°52	17°11	26°35	21°21	F 22
S 23	0 33 56	6°33'15	26° 0	26°21	24°51	10°51	21°28	11° 2	5°47	12°20	16°51	16°53	17° 8	26°42	21°19	S 23
S 24	0 37 53	7°32'40	10♑ 1	26°11	26° 0	11°20	21°21	11° 6	5°46	12°20	16°52	16°R53	17° 5	26°49	21°17	S 24
M25	0 41 49	8°32'07	23°47	25°53	27° 9	11°50	21°14	11°11	5°44	12°21	16°54	16°52	17° 2	26°55	21°14	M25
T 26	0 45 46	9°31'35	7♒16	25°26	28°19	12°19	21° 6	11°15	5°42	12°21	16°56	16°52	16°58	27° 2	21°12	T 26
W27	0 49 43	10°31'05	20°29	24°51	29°29	12°47	20°59	11°20	5°40	12°22	16°58	16°51	16°55	27° 9	21°10	W27
T 28	0 53 39	11°30'37	3♓28	24° 7	0♍39	13°16	20°52	11°24	5°38	12°22	17° 0	16°50	16°52	27°15	21° 8	T 28
F 29	0 57 36	12°30'10	16°13	23°16	1°49	13°44	20°45	11°29	5°36	12°22	17° 3	16°50	16°49	27°22	21° 5	F 29
S 30	1 1 32	13♎29'46	28♓45	22♎17	2♍59	14♋12	20♓38	11♐34	5♓35	12♋23	17♏ 5	16♎49	16♎46	27♉29	21♉ 3	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n58	5s52	3n21	5s19	1s39	18n54	1s20	23n42	0n10	3s46	1s39	20s43	1n19	9s53	0s49	22n17	0s43	3s46	13n32	6s44	7s12	15n58	15n49	2s34
S 2	5 35	1 50	2 23	5 56	1 47	18 44	1 15	23 44	0 12	3 49	1 39	20 43	1 18	9 54	0 49	22 16	0 43	3 47	13 31	6 43	7 11	15 59	15 49	2 34
S 3	5 12	2n11	1 19	6 32	1 55	18 35	1 10	23 45	0 13	3 52	1 39	20 44	1 18	9 54	0 49	22 16	0 43	3 48	13 31	6 42	7 10	16 0	15 48	2 34
M 4	4 49	6 3	0 12	7 7	2 3	18 24	1 5	23 46	0 14	3 55	1 39	20 44	1 18	9 55	0 49	22 16	0 43	3 49	13 30	6 41	7 8	16 1	15 48	2 34
T 5	4 26	9 35	0s55	7 41	2 11	18 14	1 0	23 47	0 15	3 59	1 39	20 45	1 18	9 56	0 49	22 16	0 43	3 50	13 30	6 41	7 7	16 2	15 47	2 35
W 6	4 3	12 41	1 58	8 15	2 18	18 2	0 55	23 48	0 16	4 2	1 40	20 46	1 18	9 57	0 49	22 16	0 43	3 51	13 30	6 42	7 6	16 3	15 47	2 35
T 7	3 40	15 13	2 56	8 47	2 25	17 51	0 51	23 48	0 18	4 5	1 40	20 46	1 17	9 58	0 49	22 16	0 43	3 51	13 29	6 43	7 5	16 4	15 46	2 35
F 8	3 17	17 5	3 46	9 18	2 33	17 38	0 46	23 49	0 19	4 8	1 40	20 47	1 17	9 59	0 49	22 16	0 43	3 52	13 29	6 43	7 4	16 5	15 46	2 35
S 9	2 53	18 14	4 26	9 48	2 40	17 25	0 41	23 49	0 20	4 11	1 40	20 48	1 17	9 59	0 49	22 16	0 43	3 53	13 28	6 44	7 2	16 6	15 45	2 36
S 10	2 30	18 34	4 55	10 16	2 46	17 12	0 37	23 50	0 21	4 15	1 40	20 48	1 17	10 0	0 49	22 16	0 43	3 54	13 28	6 44	7 1	16 7	15 45	2 36
M11	2 6	18 4	5 12	10 44	2 53	16 58	0 32	23 50	0 23	4 18	1 40	20 49	1 17	10 1	0 48	22 15	0 43	3 55	13 27	6 43	7 0	16 8	15 44	2 36
T 12	1 43	16 41	5 15	11 9	2 59	16 44	0 27	23 50	0 24	4 21	1 40	20 49	1 17	10 2	0 48	22 15	0 43	3 56	13 27	6 43	6 59	16 8	15 44	2 36
W13	1 19	14 28	5 2	11 33	3 4	16 29	0 23	23 50	0 25	4 24	1 40	20 50	1 16	10 3	0 48	22 15	0 43	3 57	13 27	6 42	6 58	16 9	15 43	2 37
T 14	0 56	11 27	4 33	11 55	3 9	16 14	0 19	23 50	0 27	4 27	1 40	20 51	1 16	10 4	0 48	22 15	0 43	3 57	13 26	6 41	6 56	16 10	15 42	2 37
F 15	0 32	7 45	3 49	12 16	3 14	15 58	0 14	23 50	0 28	4 31	1 40	20 51	1 16	10 4	0 48	22 15	0 43	3 58	13 26	6 40	6 55	16 11	15 42	2 37
S 16	0 9	3 31	2 49	12 34	3 18	15 42	0 10	23 49	0 29	4 34	1 40	20 52	1 16	10 5	0 48	22 15	0 43	3 59	13 25	6 39	6 54	16 12	15 41	2 37
S 17	0s15	1s 1	1 38	12 50	3 22	15 25	0 6	23 49	0 31	4 37	1 40	20 53	1 16	10 6	0 48	22 15	0 43	4 0	13 25	6 38	6 53	16 13	15 40	2 38
M18	0 39	5 34	0 20	13 3	3 25	15 8	0 1	23 48	0 32	4 40	1 40	20 54	1 15	10 7	0 48	22 15	0 43	4 1	13 25	6 38	6 51	16 14	15 40	2 38
T 19	1 2	9 50	1n 1	13 14	3 27	14 50	0n 3	23 48	0 33	4 43	1 40	20 54	1 15	10 7	0 48	22 15	0 43	4 2	13 24	6 38	6 50	16 15	15 39	2 38
W20	1 26	13 30	2 18	13 22	3 28	14 32	0 7	23 47	0 35	4 46	1 39	20 55	1 15	10 8	0 48	22 15	0 43	4 3	13 24	6 38	6 49	16 15	15 38	2 38
T 21	1 50	16 17	3 26	13 26	3 29	14 14	0 11	23 46	0 36	4 49	1 39	20 56	1 15	10 9	0 48	22 15	0 43	4 3	13 23	6 39	6 48	16 16	15 38	2 39
F 22	2 13	18 0	4 20	13 27	3 28	13 55	0 15	23 45	0 38	4 52	1 39	20 57	1 15	10 10	0 48	22 15	0 43	4 4	13 23	6 39	6 47	16 17	15 37	2 39
S 23	2 37	18 32	4 57	13 24	3 26	13 35	0 19	23 44	0 39	4 55	1 39	20 57	1 15	10 10	0 48	22 15	0 43	4 5	13 23	6 39	6 45	16 18	15 36	2 39
S 24	3 0	17 55	5 15	13 17	3 23	13 15	0 23	23 43	0 41	4 58	1 39	20 58	1 14	10 11	0 48	22 14	0 43	4 6	13 22	6 39	6 44	16 19	15 35	2 39
M25	3 24	16 16	5 15	13 6	3 18	12 55	0 26	23 42	0 42	5 0	1 39	20 59	1 14	10 12	0 48	22 14	0 43	4 7	13 22	6 39	6 43	16 20	15 35	2 39
T 26	3 47	13 44	4 57	12 50	3 11	12 35	0 30	23 41	0 44	5 3	1 39	21 0	1 14	10 12	0 48	22 14	0 43	4 8	13 22	6 39	6 42	16 21	15 34	2 40
W27	4 11	10 32	4 24	12 30	3 3	12 14	0 34	23 40	0 45	5 6	1 39	21 0	1 14	10 13	0 48	22 14	0 43	4 9	13 21	6 39	6 40	16 21	15 33	2 40
T 28	4 34	6 53	3 38	12 4	2 53	11 52	0 37	23 39	0 47	5 9	1 39	21 1	1 14	10 14	0 48	22 14	0 43	4 9	13 21	6 39	6 39	16 22	15 32	2 40
F 29	4 58	2 58	2 42	11 34	2 42	11 30	0 41	23 37	0 48	5 11	1 39	21 2	1 14	10 14	0 48	22 14	0 43	4 10	13 21	6 38	6 38	16 23	15 31	2 40
S 30	5s21	1n 1	1n39	11s 0	2s28	11n 8	0n44	23n36	0n50	5s14	1s38	21s 3	1n13	10s15	0s48	22n14	0s43	4s11	13n20	6s38	6s37	16n24	15n31	2s41

Julian Day Number = 2178228.5, Delta T = 11m43s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'16, Lahiri = 13°25'17 Julian Calendar 1 Sept. 1251 == Greg. Calendar 8 Sept. 1251

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ASTRODIENST EPHEMERIS for the year 1251
geocentric

OCTOBER 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 5 29	14♎29'24	11♈ 5	21°R11	4♍ 9	14♋39	20°R32	11♐38	5°R33	12♋23	17♏ 7	16°R49	16♎43	27♉35	21°R 1	S 1
M 2	1 9 25	15°29'03	23°16	20♎ 1	5°20	15° 7	20♓25	11°43	5♓31	12°23	17° 9	16°D49	16°39	27°42	20♉58	M 2
T 3	1 13 22	16°28'45	5♉17	18°47	6°31	15°34	20°19	11°48	5°30	12°23	17°11	16°R49	16°36	27°49	20°56	T 3
W 4	1 17 18	17°28'29	17°12	17°32	7°41	16° 0	20°12	11°53	5°28	12°24	17°13	16♎49	16°33	27°55	20°53	W 4
T 5	1 21 15	18°28'15	29° 2	16°18	8°52	16°27	20° 6	11°58	5°26	12°24	17°15	16°49	16°30	28° 2	20°51	T 5
F 6	1 25 11	19°28'03	10♊51	15° 6	10° 3	16°53	20° 0	12° 3	5°25	12°24	17°17	16°49	16°27	28° 9	20°48	F 6
S 7	1 29 8	20°27'53	22°43	14° 0	11°14	17°19	19°54	12° 8	5°23	12°24	17°20	16°48	16°24	28°15	20°45	S 7
S 8	1 33 5	21°27'46	4♋40	13° 2	12°26	17°44	19°49	12°14	5°22	12°24	17°22	16°48	16°20	28°22	20°43	S 8
M 9	1 37 1	22°27'41	16°48	12°12	13°37	18° 9	19°43	12°19	5°20	12°R24	17°24	16°D48	16°17	28°29	20°40	M 9
T 10	1 40 58	23°27'38	29°11	11°32	14°49	18°34	19°37	12°24	5°19	12°24	17°26	16°48	16°14	28°36	20°37	T 10
W11	1 44 54	24°27'37	11♌52	11° 4	16° 0	18°59	19°32	12°30	5°18	12°24	17°28	16°48	16°11	28°42	20°34	W11
T 12	1 48 51	25°27'39	24°57	10°47	17°12	19°23	19°27	12°35	5°16	12°24	17°31	16°49	16° 8	28°49	20°31	T 12
F 13	1 52 47	26°27'42	8♍28	10°D41	18°24	19°47	19°22	12°41	5°15	12°24	17°33	16°50	16° 4	28°56	20°28	F 13
S 14	1 56 44	27°27'48	22°25	10°47	19°36	20°10	19°17	12°46	5°14	12°24	17°35	16°51	16° 1	29° 2	20°25	S 14
S 15	2 0 40	28°27'56	6♎48	11° 4	20°48	20°33	19°13	12°52	5°13	12°23	17°37	16°51	15°58	29° 9	20°22	S 15
M16	2 4 37	29°28'06	21°32	11°30	22° 0	20°56	19° 8	12°58	5°12	12°23	17°40	16°R51	15°55	29°16	20°19	M16
T 17	2 8 34	0♏28'17	6♏31	12° 6	23°12	21°18	19° 4	13° 4	5°11	12°23	17°42	16°51	15°52	29°22	20°16	T 17
W18	2 12 30	1°28'31	21°37	12°50	24°25	21°40	19° 0	13° 9	5°10	12°23	17°44	16°49	15°49	29°29	20°13	W18
T 19	2 16 27	2°28'46	6♐40	13°42	25°37	22° 1	18°56	13°15	5° 9	12°22	17°47	16°48	15°45	29°36	20°10	T 19
F 20	2 20 23	3°29'03	21°32	14°40	26°49	22°22	18°53	13°21	5° 8	12°22	17°49	16°45	15°42	29°42	20° 7	F 20
S 21	2 24 20	4°29'22	6♑ 5	15°44	28° 2	22°43	18°49	13°27	5° 7	12°21	17°51	16°43	15°39	29°49	20° 4	S 21
S 22	2 28 16	5°29'42	20°17	16°53	29°15	23° 3	18°46	13°33	5° 6	12°21	17°54	16°42	15°36	29°56	20° 1	S 22
M23	2 32 13	6°30'03	4♒ 4	18° 6	0♎28	23°22	18°43	13°39	5° 5	12°21	17°56	16°D41	15°33	0♊ 2	19°58	M23
T 24	2 36 9	7°30'26	17°27	19°23	1°40	23°42	18°40	13°45	5° 5	12°20	17°58	16°42	15°30	0° 9	19°55	T 24
W25	2 40 6	8°30'50	0♓30	20°44	2°53	24° 0	18°37	13°52	5° 4	12°20	18° 1	16°43	15°26	0°16	19°51	W25
T 26	2 44 3	9°31'16	13°13	22° 7	4° 6	24°19	18°35	13°58	5° 3	12°19	18° 3	16°44	15°23	0°22	19°48	T 26
F 27	2 47 59	10°31'43	25°41	23°32	5°19	24°36	18°32	14° 4	5° 3	12°18	18° 6	16°46	15°20	0°29	19°45	F 27
S 28	2 51 56	11°32'11	7♈57	24°59	6°32	24°54	18°30	14°10	5° 2	12°18	18° 8	16°47	15°17	0°36	19°42	S 28
S 29	2 55 52	12°32'41	20° 3	26°27	7°46	25°11	18°28	14°17	5° 2	12°17	18°10	16°R47	15°14	0°42	19°38	S 29
M30	2 59 49	13°33'12	2♉ 2	27°57	8°59	25°27	18°27	14°23	5° 1	12°16	18°13	16°46	15°10	0°49	19°35	M30
T 31	3 3 45	14♏33'45	13♉56	29♎28	10♎12	25♋43	18♓25	14♐29	5♓ 1	12♋16	18♏15	16♎44	15♎ 7	0♊56	19♉32	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s44	4n54	0n32	10s21	2s13	10n46	0n48	23n34	0n51	5s16	1s38	21s 4	1n13	10s16	0s48	22n14	0s43	4s12	13n20	6s38	6s36	16n25	15n30	2s41
M 2	6 7	8 31	0s36	9 38	1 55	10 23	0 51	23 33	0 53	5 19	1 38	21 4	1 13	10 16	0 48	22 14	0 43	4 13	13 20	6 38	6 34	16 26	15 29	2 41
T 3	6 30	11 45	1 41	8 53	1 37	10 0	0 54	23 31	0 54	5 21	1 38	21 5	1 13	10 17	0 48	22 14	0 43	4 14	13 19	6 38	6 33	16 27	15 28	2 41
W 4	6 53	14 28	2 41	8 6	1 17	9 36	0 57	23 30	0 56	5 24	1 38	21 6	1 13	10 17	0 48	22 14	0 43	4 14	13 19	6 38	6 32	16 27	15 27	2 41
T 5	7 16	16 33	3 34	7 19	0 57	9 12	1 0	23 28	0 58	5 26	1 38	21 7	1 13	10 18	0 48	22 14	0 43	4 15	13 19	6 38	6 31	16 28	15 26	2 42
F 6	7 39	17 55	4 17	6 32	0 36	8 48	1 3	23 27	0 59	5 28	1 38	21 8	1 12	10 18	0 48	22 14	0 43	4 16	13 19	6 38	6 29	16 29	15 25	2 42
S 7	8 2	18 30	4 50	5 47	0 16	8 23	1 6	23 25	1 1	5 30	1 37	21 9	1 12	10 19	0 48	22 14	0 43	4 17	13 18	6 38	6 28	16 30	15 24	2 42
S 8	8 24	18 17	5 11	5 6	0n 4	7 59	1 9	23 23	1 3	5 32	1 37	21 9	1 12	10 19	0 48	22 14	0 43	4 18	13 18	6 38	6 27	16 31	15 24	2 42
M 9	8 47	17 13	5 18	4 29	0 24	7 34	1 11	23 22	1 4	5 34	1 37	21 10	1 12	10 20	0 48	22 14	0 43	4 19	13 18	6 38	6 26	16 31	15 23	2 42
T 10	9 9	15 21	5 10	3 57	0 42	7 8	1 14	23 20	1 6	5 36	1 37	21 11	1 12	10 20	0 48	22 14	0 43	4 19	13 18	6 38	6 25	16 32	15 22	2 43
W11	9 31	12 41	4 48	3 30	0 58	6 43	1 16	23 18	1 8	5 38	1 37	21 12	1 12	10 21	0 48	22 14	0 43	4 20	13 17	6 38	6 23	16 33	15 21	2 43
T 12	9 53	9 20	4 10	3 10	1 13	6 17	1 19	23 17	1 10	5 40	1 36	21 13	1 12	10 21	0 48	22 14	0 43	4 21	13 17	6 38	6 22	16 34	15 20	2 43
F 13	10 15	5 23	3 17	2 55	1 26	5 51	1 21	23 15	1 11	5 42	1 36	21 14	1 11	10 22	0 48	22 14	0 44	4 22	13 17	6 38	6 21	16 35	15 19	2 43
S 14	10 37	1 0	2 12	2 47	1 38	5 25	1 23	23 13	1 13	5 44	1 36	21 14	1 11	10 22	0 48	22 14	0 44	4 23	13 17	6 39	6 20	16 35	15 18	2 43
S 15	10 58	3s33	0 56	2 45	1 48	4 58	1 25	23 12	1 15	5 45	1 36	21 15	1 11	10 22	0 48	22 14	0 44	4 24	13 16	6 39	6 18	16 36	15 17	2 44
M16	11 20	8 2	0n26	2 48	1 56	4 32	1 28	23 10	1 17	5 47	1 36	21 16	1 11	10 23	0 48	22 14	0 44	4 24	13 16	6 39	6 17	16 37	15 16	2 44
T 17	11 41	12 4	1 47	2 56	2 2	4 5	1 30	23 8	1 19	5 48	1 35	21 17	1 11	10 23	0 48	22 14	0 44	4 25	13 16	6 39	6 16	16 38	15 15	2 44
W18	12 2	15 20	3 1	3 8	2 7	3 38	1 31	23 7	1 21	5 50	1 35	21 18	1 11	10 24	0 48	22 14	0 44	4 26	13 16	6 38	6 15	16 39	15 14	2 44
T 19	12 23	17 32	4 2	3 25	2 11	3 10	1 33	23 5	1 23	5 51	1 35	21 19	1 11	10 24	0 48	22 14	0 44	4 27	13 16	6 37	6 13	16 39	15 13	2 44
F 20	12 44	18 30	4 46	3 46	2 13	2 43	1 35	23 4	1 25	5 52	1 35	21 20	1 10	10 24	0 47	22 14	0 44	4 28	13 15	6 37	6 12	16 40	15 12	2 44
S 21	13 4	18 13	5 11	4 9	2 14	2 16	1 37	23 2	1 27	5 53	1 34	21 20	1 10	10 24	0 47	22 14	0 44	4 28	13 15	6 36	6 11	16 41	15 11	2 44
S 22	13 24	16 48	5 15	4 36	2 14	1 48	1 38	23 1	1 29	5 54	1 34	21 21	1 10	10 25	0 47	22 14	0 44	4 29	13 15	6 35	6 10	16 42	15 10	2 45
M23	13 44	14 26	5 2	5 4	2 13	1 20	1 39	22 59	1 31	5 55	1 34	21 22	1 10	10 25	0 47	22 14	0 44	4 30	13 15	6 35	6 9	16 43	15 9	2 45
T 24	14 4	11 21	4 32	5 35	2 12	0 52	1 41	22 58	1 33	5 56	1 34	21 23	1 10	10 25	0 47	22 14	0 44	4 31	13 15	6 35	6 7	16 43	15 8	2 45
W25	14 24	7 47	3 48	6 8	2 9	0 24	1 42	22 57	1 35	5 57	1 33	21 24	1 10	10 25	0 47	22 14	0 44	4 31	13 15	6 36	6 6	16 44	15 7	2 45
T 26	14 43	3 56	2 55	6 42	2 6	0s 4	1 43	22 55	1 37	5 58	1 33	21 25	1 10	10 26	0 47	22 14	0 44	4 32	13 15	6 36	6 5	16 45	15 6	2 45
F 27	15 2	0n 1	1 54	7 17	2 2	0 32	1 44	22 54	1 39	5 58	1 33	21 26	1 10	10 26	0 47	22 14	0 44	4 33	13 14	6 37	6 4	16 46	15 5	2 45
S 28	15 21	3 54	0 49	7 52	1 58	1 0	1 45	22 53	1 41	5 59	1 33	21 26	1 9	10 26	0 47	22 14	0 44	4 34	13 14	6 37	6 2	16 46	15 4	2 45
S 29	15 40	7 35	0s18	8 29	1 53	1 28	1 46	22 52	1 43	6 0	1 32	21 27	1 9	10 26	0 47	22 14	0 44	4 34	13 14	6 37	6 1	16 47	15 3	2 46
M30	15 58	10 56	1 23	9 6	1 48	1 56	1 47	22 51	1 45	6 0	1 32	21 28	1 9	10 26	0 47	22 14	0 44	4 35	13 14	6 37	6 0	16 48	15 2	2 46
T 31	16s16	13n48	2s24	9s43	1n43	2s24	1n48	22n51	1n47	6s 0	1s32	21s29	1n 9	10s26	0s47	22n14	0s44	4s36	13n14	6s36	5s59	16n49	15n 1	2s46

Julian Day Number = 2178258.5, Delta T = 11m43s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'21, Lahiri = 13°25'21 Julian Calendar 1 Oct. 1251 == Greg. Calendar 8 Oct. 1251

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ASTRODIENST EPHEMERIS for the year 1251
geocentric

NOVEMBER 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 7 42	15♏34'20	25♉48	0♏59	11♎26	25♋58	18°R24	14♐36	5°R 0	12°R15	18♏18	16°R40	15♎ 4	1♊ 3	19°R28	W 1
T 2	3 11 38	16°34'56	7♊38	2°32	12°39	26°13	18♓23	14°42	5♓ 0	12♋14	18°20	16♎35	15° 1	1° 9	19♉25	T 2
F 3	3 15 35	17°35'33	19°28	4° 5	13°53	26°27	18°22	14°49	5° 0	12°13	18°22	16°29	14°58	1°16	19°22	F 3
S 4	3 19 32	18°36'12	1♋22	5°38	15° 6	26°40	18°21	14°55	5° 0	12°13	18°25	16°23	14°55	1°23	19°19	S 4
S 5	3 23 28	19°36'53	13°22	7°11	16°20	26°53	18°21	15° 2	4°59	12°12	18°27	16°18	14°51	1°29	19°15	S 5
M 6	3 27 25	20°37'36	25°29	8°45	17°34	27° 6	18°21	15° 9	4°59	12°11	18°30	16°14	14°48	1°36	19°12	M 6
T 7	3 31 21	21°38'20	7♌50	10°19	18°48	27°17	18°D21	15°15	4°D59	12°10	18°32	16°11	14°45	1°43	19° 9	T 7
W 8	3 35 18	22°39'05	20°26	11°53	20° 1	27°29	18°21	15°22	4°59	12° 9	18°34	16°D10	14°42	1°49	19° 5	W 8
T 9	3 39 14	23°39'52	3♍23	13°28	21°15	27°39	18°21	15°29	4°59	12° 8	18°37	16°10	14°39	1°56	19° 2	T 9
F 10	3 43 11	24°40'41	16°43	15° 2	22°29	27°49	18°22	15°35	4°59	12° 7	18°39	16°11	14°35	2° 3	18°59	F 10
S 11	3 47 7	25°41'31	0♎30	16°36	23°43	27°58	18°23	15°42	5° 0	12° 6	18°41	16°13	14°32	2° 9	18°55	S 11
S 12	3 51 4	26°42'23	14°45	18°10	24°57	28° 7	18°24	15°49	5° 0	12° 5	18°44	16°R14	14°29	2°16	18°52	S 12
M13	3 55 1	27°43'16	29°26	19°44	26°11	28°15	18°25	15°56	5° 0	12° 4	18°46	16°13	14°26	2°23	18°49	M13
T 14	3 58 57	28°44'11	14♏28	21°19	27°26	28°22	18°26	16° 3	5° 0	12° 3	18°49	16°10	14°23	2°29	18°46	T 14
W15	4 2 54	29°45'07	29°44	22°53	28°40	28°29	18°28	16° 9	5° 1	12° 1	18°51	16° 6	14°20	2°36	18°42	W15
T 16	4 6 50	0♐46'04	15♐ 2	24°27	29°54	28°34	18°30	16°16	5° 1	12° 0	18°53	15°59	14°16	2°43	18°39	T 16
F 17	4 10 47	1°47'02	0♑12	26° 1	1♏ 8	28°39	18°32	16°23	5° 2	11°59	18°56	15°52	14°13	2°50	18°36	F 17
S 18	4 14 43	2°48'01	15° 4	27°35	2°23	28°44	18°34	16°30	5° 2	11°58	18°58	15°45	14°10	2°56	18°33	S 18
S 19	4 18 40	3°49'00	29°31	29° 9	3°37	28°47	18°36	16°37	5° 3	11°57	19° 0	15°39	14° 7	3° 3	18°30	S 19
M20	4 22 36	4°50'00	13♒29	0♐44	4°51	28°50	18°39	16°44	5° 3	11°55	19° 3	15°34	14° 4	3°10	18°26	M20
T 21	4 26 33	5°51'01	26°58	2°18	6° 6	28°52	18°42	16°51	5° 4	11°54	19° 5	15°32	14° 1	3°16	18°23	T 21
W22	4 30 30	6°52'02	10♓ 0	3°52	7°20	28°53	18°45	16°58	5° 5	11°53	19° 7	15°D32	13°57	3°23	18°20	W22
T 23	4 34 26	7°53'04	22°39	5°26	8°35	28°R54	18°48	17° 5	5° 6	11°51	19°10	15°33	13°54	3°30	18°17	T 23
F 24	4 38 23	8°54'07	5♈ 0	7° 0	9°49	28°54	18°52	17°12	5° 6	11°50	19°12	15°34	13°51	3°36	18°14	F 24
S 25	4 42 19	9°55'10	17° 6	8°34	11° 4	28°52	18°55	17°19	5° 7	11°49	19°14	15°R34	13°48	3°43	18°11	S 25
S 26	4 46 16	10°56'13	29° 4	10° 9	12°18	28°51	18°59	17°26	5° 8	11°47	19°17	15°33	13°45	3°50	18° 8	S 26
M27	4 50 12	11°57'17	10♉56	11°43	13°33	28°48	19° 3	17°33	5° 9	11°46	19°19	15°30	13°41	3°56	18° 5	M27
T 28	4 54 9	12°58'22	22°45	13°18	14°47	28°44	19° 7	17°40	5°10	11°44	19°21	15°23	13°38	4° 3	18° 2	T 28
W29	4 58 5	13°59'27	4♊35	14°53	16° 2	28°40	19°12	17°47	5°11	11°43	19°23	15°15	13°35	4°10	17°59	W29
T 30	5 2 2	15♐ 0'33	16♊27	16♐27	17♏17	28♋35	19♓16	17♐54	5♓12	11♋42	19♏25	15♎ 4	13♎32	4♊17	17♉56	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s34	16n 5	3s18	10s21	1n37	2s53	1n48	22n50	1n50	6s 1	1s32	21s30	1n 9	10s27	0s47	22n14	0s44	4s36	13n14	6s35	5s57	16n49	15n 0	2s46
T 2	16 52	17 40	4 3	10 58	1 31	3 21	1 49	22 49	1 52	6 1	1 31	21 31	1 9	10 27	0 47	22 15	0 44	4 37	13 14	6 33	5 56	16 50	14 59	2 46
F 3	17 9	18 30	4 38	11 36	1 25	3 49	1 49	22 49	1 54	6 1	1 31	21 32	1 9	10 27	0 47	22 15	0 44	4 38	13 14	6 30	5 55	16 51	14 58	2 46
S 4	17 26	18 30	5 1	12 13	1 19	4 17	1 50	22 48	1 56	6 1	1 31	21 32	1 9	10 27	0 47	22 15	0 44	4 39	13 14	6 28	5 54	16 52	14 57	2 46
S 5	17 42	17 42	5 11	12 50	1 12	4 45	1 50	22 48	1 59	6 1	1 31	21 33	1 9	10 27	0 47	22 15	0 44	4 39	13 14	6 26	5 53	16 52	14 56	2 46
M 6	17 59	16 5	5 8	13 26	1 6	5 14	1 50	22 48	2 1	6 1	1 30	21 34	1 8	10 27	0 47	22 15	0 44	4 40	13 14	6 24	5 51	16 53	14 55	2 47
T 7	18 15	13 43	4 50	14 2	0 59	5 42	1 50	22 48	2 3	6 0	1 30	21 35	1 8	10 27	0 47	22 15	0 44	4 41	13 13	6 23	5 50	16 54	14 54	2 47
W 8	18 30	10 39	4 18	14 38	0 52	6 9	1 50	22 48	2 6	6 0	1 30	21 36	1 8	10 27	0 47	22 15	0 44	4 41	13 13	6 23	5 49	16 54	14 53	2 47
T 9	18 46	7 1	3 32	15 13	0 45	6 37	1 50	22 48	2 8	6 0	1 29	21 37	1 8	10 27	0 47	22 15	0 44	4 42	13 13	6 23	5 48	16 55	14 52	2 47
F 10	19 1	2 54	2 34	15 48	0 38	7 5	1 50	22 49	2 11	5 59	1 29	21 37	1 8	10 27	0 47	22 15	0 44	4 43	13 13	6 24	5 46	16 56	14 51	2 47
S 11	19 15	1s30	1 25	16 22	0 31	7 33	1 50	22 49	2 13	5 59	1 29	21 38	1 8	10 26	0 47	22 15	0 44	4 43	13 13	6 24	5 45	16 57	14 50	2 47
S 12	19 30	5 58	0 8	16 55	0 25	8 0	1 49	22 50	2 16	5 58	1 29	21 39	1 8	10 26	0 47	22 15	0 44	4 44	13 13	6 24	5 44	16 57	14 50	2 47
M13	19 44	10 12	1n11	17 27	0 18	8 27	1 49	22 51	2 18	5 57	1 28	21 40	1 8	10 26	0 47	22 15	0 44	4 44	13 13	6 24	5 43	16 58	14 49	2 47
T 14	19 57	13 54	2 27	17 59	0 11	8 55	1 49	22 52	2 21	5 56	1 28	21 41	1 8	10 26	0 47	22 15	0 44	4 45	13 13	6 23	5 41	16 59	14 48	2 47
W15	20 11	16 42	3 34	18 30	0 4	9 22	1 48	22 53	2 23	5 55	1 28	21 41	1 8	10 26	0 46	22 16	0 44	4 46	13 13	6 21	5 40	16 59	14 47	2 47
T 16	20 24	18 18	4 25	19 0	0s 3	9 48	1 47	22 54	2 26	5 54	1 27	21 42	1 7	10 26	0 46	22 16	0 44	4 46	13 13	6 19	5 39	17 0	14 46	2 47
F 17	20 36	18 35	4 57	19 29	0 10	10 15	1 47	22 56	2 28	5 53	1 27	21 43	1 7	10 25	0 46	22 16	0 44	4 47	13 13	6 16	5 38	17 1	14 45	2 47
S 18	20 48	17 34	5 8	19 58	0 16	10 41	1 46	22 57	2 31	5 52	1 27	21 44	1 7	10 25	0 46	22 16	0 44	4 47	13 13	6 13	5 37	17 2	14 44	2 47
S 19	21 0	15 27	4 59	20 25	0 23	11 8	1 45	22 59	2 34	5 51	1 27	21 45	1 7	10 25	0 46	22 16	0 44	4 48	13 13	6 11	5 35	17 2	14 43	2 47
M20	21 11	12 29	4 33	20 52	0 29	11 34	1 44	23 1	2 36	5 50	1 26	21 45	1 7	10 25	0 46	22 16	0 44	4 48	13 14	6 9	5 34	17 3	14 42	2 47
T 21	21 22	8 56	3 52	21 17	0 36	11 59	1 43	23 3	2 39	5 48	1 26	21 46	1 7	10 24	0 46	22 16	0 44	4 49	13 14	6 8	5 33	17 4	14 41	2 48
W22	21 33	5 4	3 0	21 42	0 42	12 25	1 42	23 6	2 42	5 47	1 26	21 47	1 7	10 24	0 46	22 16	0 44	4 50	13 14	6 8	5 32	17 4	14 40	2 48
T 23	21 43	1 5	2 0	22 5	0 48	12 50	1 41	23 8	2 44	5 45	1 25	21 48	1 7	10 24	0 46	22 16	0 44	4 50	13 14	6 9	5 30	17 5	14 39	2 48
F 24	21 52	2n51	0 57	22 27	0 54	13 15	1 39	23 11	2 47	5 44	1 25	21 48	1 7	10 23	0 46	22 17	0 44	4 51	13 14	6 9	5 29	17 6	14 38	2 48
S 25	22 2	6 37	0s 8	22 48	1 0	13 39	1 38	23 14	2 50	5 42	1 25	21 49	1 7	10 23	0 46	22 17	0 44	4 51	13 14	6 9	5 28	17 6	14 38	2 48
S 26	22 10	10 4	1 12	23 9	1 6	14 3	1 37	23 17	2 52	5 40	1 25	21 50	1 7	10 23	0 46	22 17	0 44	4 52	13 14	6 9	5 27	17 7	14 37	2 48
M27	22 19	13 5	2 12	23 27	1 11	14 27	1 35	23 20	2 55	5 39	1 24	21 51	1 7	10 22	0 46	22 17	0 44	4 52	13 14	6 7	5 25	17 8	14 36	2 48
T 28	22 27	15 33	3 5	23 45	1 17	14 51	1 34	23 24	2 58	5 37	1 24	21 51	1 7	10 22	0 46	22 17	0 44	4 52	13 14	6 5	5 24	17 8	14 35	2 48
W29	22 34	17 21	3 51	24 2	1 22	15 14	1 32	23 27	3 1	5 35	1 24	21 52	1 6	10 21	0 46	22 17	0 44	4 53	13 14	6 2	5 23	17 9	14 34	2 48
T 30	22s41	18n25	4s27	24s17	1s27	15s36	1n31	23n31	3n 3	5s33	1s24	21s53	1n 6	10s21	0s46	22n17	0s44	4s53	13n14	5s57	5s22	17n10	14n34	2s48

Julian Day Number = 2178289.5, Delta T = 11m43s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'25, Lahiri = 13°25'25 Julian Calendar 1 Nov. 1251 == Greg. Calendar 8 Nov. 1251

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ASTRODIENST EPHEMERIS for the year 1251
geocentric

DECEMBER 1251 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 5 59	16♐ 1'40	28♊23	18♐ 2	18♏31	28°R29	19♓21	18♐ 1	5♓14	11°R40	19♏28	14°R52	13♎29	4♊23	17°R53	F 1
S 2	5 9 55	17° 2'47	10♋23	19°38	19°46	28♋22	19°26	18° 8	5°15	11♋39	19°30	14♎39	13°26	4°30	17♉51	S 2
S 3	5 13 52	18° 3'54	22°30	21°13	21° 1	28°14	19°31	18°15	5°16	11°37	19°32	14°28	13°22	4°37	17°48	S 3
M 4	5 17 48	19° 5'03	4♌45	22°49	22°16	28° 6	19°36	18°22	5°17	11°36	19°34	14°18	13°19	4°43	17°45	M 4
T 5	5 21 45	20° 6'11	17° 9	24°24	23°30	27°57	19°42	18°30	5°19	11°34	19°36	14°10	13°16	4°50	17°43	T 5
W 6	5 25 41	21° 7'21	29°47	26° 0	24°45	27°46	19°48	18°37	5°20	11°32	19°38	14° 5	13°13	4°57	17°40	W 6
T 7	5 29 38	22° 8'31	12♍40	27°36	26° 0	27°35	19°53	18°44	5°22	11°31	19°41	14° 3	13°10	5° 3	17°37	T 7
F 8	5 33 34	23° 9'41	25°52	29°13	27°15	27°24	19°59	18°51	5°23	11°29	19°43	14°D 3	13° 7	5°10	17°35	F 8
S 9	5 37 31	24°10'52	9♎27	0♏50	28°30	27°11	20° 6	18°58	5°25	11°28	19°45	14°R 3	13° 3	5°17	17°32	S 9
S 10	5 41 28	25°12'04	23°27	2°26	29°45	26°58	20°12	19° 5	5°26	11°26	19°47	14° 3	13° 0	5°23	17°30	S 10
M11	5 45 24	26°13'16	7♏52	4° 3	1♐ 0	26°43	20°19	19°12	5°28	11°24	19°49	14° 1	12°57	5°30	17°27	M11
T 12	5 49 21	27°14'28	22°40	5°41	2°15	26°28	20°25	19°19	5°30	11°23	19°51	13°56	12°54	5°37	17°25	T 12
W13	5 53 17	28°15'41	7♐45	7°18	3°29	26°13	20°32	19°26	5°32	11°21	19°53	13°49	12°51	5°44	17°23	W13
T 14	5 57 14	29°16'55	22°59	8°56	4°44	25°56	20°39	19°33	5°33	11°20	19°55	13°39	12°47	5°50	17°21	T 14
F 15	6 1 10	0♏18'08	8♏11	10°33	5°59	25°39	20°46	19°40	5°35	11°18	19°57	13°27	12°44	5°57	17°18	F 15
S 16	6 5 7	1°19'21	23°10	12°11	7°14	25°21	20°54	19°47	5°37	11°16	19°59	13°16	12°41	6° 4	17°16	S 16
S 17	6 9 3	2°20'34	7♒46	13°49	8°29	25° 3	21° 1	19°54	5°39	11°15	20° 1	13° 5	12°38	6°10	17°14	S 17
M18	6 13 0	3°21'47	21°55	15°26	9°44	24°43	21° 9	20° 1	5°41	11°13	20° 3	12°57	12°35	6°17	17°12	M18
T 19	6 16 57	4°22'59	5♓33	17° 3	10°59	24°24	21°17	20° 8	5°43	11°11	20° 4	12°52	12°32	6°24	17°10	T 19
W20	6 20 53	5°24'11	18°42	18°40	12°14	24° 3	21°25	20°15	5°45	11°10	20° 6	12°49	12°28	6°30	17° 8	W20
T 21	6 24 50	6°25'22	1♈24	20°17	13°29	23°42	21°33	20°22	5°47	11° 8	20° 8	12°48	12°25	6°37	17° 6	T 21
F 22	6 28 46	7°26'33	13°46	21°53	14°44	23°21	21°41	20°28	5°49	11° 6	20°10	12°48	12°22	6°44	17° 5	F 22
S 23	6 32 43	8°27'43	25°51	23°28	15°59	22°59	21°50	20°35	5°51	11° 4	20°12	12°48	12°19	6°51	17° 3	S 23
S 24	6 36 39	9°28'52	7♉46	25° 2	17°14	22°37	21°58	20°42	5°54	11° 3	20°13	12°46	12°16	6°57	17° 1	S 24
M25	6 40 36	10°30'01	19°36	26°35	18°29	22°14	22° 7	20°49	5°56	11° 1	20°15	12°41	12°13	7° 4	16°59	M25
T 26	6 44 32	11°31'10	1♊25	28° 6	19°44	21°51	22°16	20°56	5°58	10°59	20°17	12°34	12° 9	7°11	16°58	T 26
W27	6 48 29	12°32'18	13°15	29°35	20°59	21°28	22°25	21° 2	6° 0	10°58	20°19	12°24	12° 6	7°17	16°56	W27
T 28	6 52 26	13°33'25	25°11	1♒ 2	22°14	21° 5	22°34	21° 9	6° 3	10°56	20°20	12°11	12° 3	7°24	16°55	T 28
F 29	6 56 22	14°34'32	7♋14	2°26	23°29	20°41	22°43	21°16	6° 5	10°54	20°22	11°56	12° 0	7°31	16°54	F 29
S 30	7 0 19	15°35'38	19°25	3°46	24°44	20°17	22°52	21°23	6° 8	10°53	20°23	11°41	11°57	7°37	16°52	S 30
S 31	7 4 15	16♏36'44	1♌44	5♒ 2	25♐59	19♋53	23♓ 2	21♐29	6♓10	10♋51	20♏25	11♎27	11♎53	7♊44	16♉51	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s48	18n41	4s51	24s31	1s32	15s59	1n29	23n35	3n 6	5s30	1s23	21s53	1n 6	10s21	0s46	22n17	0s44	4s54	13n14	5s53	5s20	17n10	14n33	2s48
S 2	22 54	18 6	5 2	24 43	1 36	16 21	1 27	23 39	3 9	5 28	1 23	21 54	1 6	10 20	0 46	22 18	0 44	4 54	13 15	5 48	5 19	17 11	14 32	2 48
S 3	23 0	16 43	5 0	24 55	1 40	16 42	1 26	23 43	3 12	5 26	1 23	21 55	1 6	10 20	0 46	22 18	0 44	4 55	13 15	5 43	5 18	17 12	14 31	2 48
M 4	23 5	14 33	4 44	25 5	1 44	17 3	1 24	23 48	3 14	5 24	1 22	21 55	1 6	10 19	0 46	22 18	0 44	4 55	13 15	5 39	5 17	17 12	14 30	2 48
T 5	23 10	11 42	4 15	25 13	1 48	17 24	1 22	23 52	3 17	5 21	1 22	21 56	1 6	10 18	0 46	22 18	0 44	4 55	13 15	5 37	5 15	17 13	14 30	2 48
W 6	23 14	8 17	3 33	25 20	1 52	17 44	1 20	23 57	3 20	5 19	1 22	21 57	1 6	10 18	0 46	22 18	0 44	4 56	13 15	5 35	5 14	17 14	14 29	2 48
T 7	23 18	4 23	2 39	25 26	1 55	18 4	1 18	24 2	3 22	5 16	1 22	21 57	1 6	10 17	0 46	22 18	0 44	4 56	13 15	5 34	5 13	17 14	14 28	2 48
F 8	23 21	0 12	1 35	25 30	1 58	18 23	1 16	24 7	3 25	5 14	1 21	21 58	1 6	10 17	0 46	22 18	0 44	4 57	13 16	5 34	5 12	17 15	14 28	2 48
S 9	23 24	4s 8	0 24	25 33	2 1	18 42	1 14	24 12	3 28	5 11	1 21	21 59	1 6	10 16	0 46	22 18	0 44	4 57	13 16	5 34	5 11	17 16	14 27	2 48
S 10	23 27	8 22	0n50	25 34	2 3	19 0	1 12	24 17	3 30	5 8	1 21	21 59	1 6	10 16	0 46	22 19	0 44	4 57	13 16	5 34	5 9	17 16	14 26	2 48
M11	23 29	12 15	2 3	25 33	2 5	19 18	1 10	24 22	3 33	5 5	1 21	22 0	1 6	10 15	0 45	22 19	0 44	4 58	13 16	5 33	5 8	17 17	14 26	2 48
T 12	23 30	15 27	3 9	25 31	2 7	19 35	1 7	24 28	3 35	5 2	1 20	22 1	1 6	10 14	0 45	22 19	0 44	4 58	13 16	5 31	5 7	17 17	14 25	2 48
W13	23 31	17 40	4 4	25 27	2 8	19 52	1 5	24 33	3 38	4 59	1 20	22 1	1 6	10 14	0 45	22 19	0 44	4 58	13 17	5 28	5 6	17 18	14 24	2 48
T 14	23 32	18 39	4 42	25 22	2 9	20 8	1 3	24 39	3 40	4 56	1 20	22 2	1 6	10 13	0 45	22 19	0 44	4 59	13 17	5 24	5 4	17 19	14 24	2 48
F 15	23 32	18 18	5 0	25 15	2 9	20 24	1 1	24 44	3 43	4 53	1 20	22 2	1 6	10 12	0 45	22 19	0 44	4 59	13 17	5 20	5 3	17 19	14 23	2 48
S 16	23 32	16 40	4 57	25 7	2 9	20 39	0 58	24 50	3 45	4 50	1 19	22 3	1 5	10 11	0 45	22 19	0 44	4 59	13 17	5 15	5 2	17 20	14 23	2 47
S 17	23 31	13 59	4 34	24 56	2 8	20 53	0 56	24 56	3 47	4 47	1 19	22 4	1 5	10 11	0 45	22 20	0 44	4 59	13 17	5 11	5 1	17 21	14 22	2 47
M18	23 29	10 33	3 55	24 44	2 7	21 7	0 53	25 1	3 49	4 44	1 19	22 4	1 5	10 10	0 45	22 20	0 44	5 0	13 18	5 8	4 59	17 21	14 22	2 47
T 19	23 28	6 40	3 4	24 31	2 5	21 20	0 51	25 7	3 52	4 40	1 19	22 5	1 5	10 9	0 45	22 20	0 44	5 0	13 18	5 6	4 58	17 22	14 21	2 47
W20	23 25	2 35	2 4	24 15	2 3	21 33	0 49	25 13	3 54	4 37	1 18	22 5	1 5	10 8	0 45	22 20	0 44	5 0	13 18	5 5	4 57	17 22	14 21	2 47
T 21	23 23	1n29	1 0	23 59	2 0	21 45	0 46	25 19	3 56	4 34	1 18	22 6	1 5	10 8	0 45	22 20	0 44	5 0	13 18	5 5	4 56	17 23	14 20	2 47
F 22	23 19	5 22	0s 5	23 40	1 57	21 56	0 44	25 24	3 57	4 30	1 18	22 6	1 5	10 7	0 45	22 20	0 44	5 1	13 19	5 5	4 54	17 24	14 20	2 47
S 23	23 16	8 58	1 9	23 20	1 52	22 7	0 41	25 30	3 59	4 27	1 18	22 7	1 5	10 6	0 45	22 21	0 44	5 1	13 19	5 4	4 53	17 24	14 19	2 47
S 24	23 12	12 8	2 8	22 58	1 48	22 17	0 39	25 35	4 1	4 23	1 17	22 7	1 5	10 5	0 45	22 21	0 44	5 1	13 19	5 4	4 52	17 25	14 19	2 47
M25	23 7	14 48	3 1	22 35	1 42	22 26	0 36	25 41	4 3	4 19	1 17	22 8	1 5	10 4	0 45	22 21	0 44	5 1	13 19	5 2	4 51	17 25	14 18	2 47
T 26	23 2	16 49	3 47	22 11	1 35	22 35	0 33	25 46	4 4	4 16	1 17	22 8	1 5	10 3	0 45	22 21	0 44	5 1	13 20	4 59	4 49	17 26	14 18	2 47
W27	22 56	18 8	4 22	21 45	1 28	22 43	0 31	25 51	4 6	4 12	1 17	22 9	1 5	10 2	0 45	22 21	0 44	5 1	13 20	4 55	4 48	17 26	14 18	2 47
T 28	22 50	18 40	4 47	21 18	1 20	22 50	0 28	25 57	4 7	4 8	1 17	22 9	1 5	10 1	0 45	22 21	0 44	5 1	13 20	4 50	4 47	17 27	14 17	2 47
F 29	22 44	18 22	4 58	20 51	1 11	22 57	0 26	26 2	4 8	4 4	1 16	22 10	1 5	10 1	0 45	22 21	0 44	5 2	13 21	4 44	4 46	17 28	14 17	2 47
S 30	22 37	17 14	4 57	20 22	1 1	23 3	0 23	26 6	4 10	4 0	1 16	22 10	1 5	10 0	0 45	22 22	0 44	5 2	13 21	4 38	4 44	17 28	14 17	2 47
S 31	22s30	15n17	4s41	19s53	0s50	23s 8	0n20	26n11	4n11	3s56	1s16	22s11	1n 5	9s59	0s45	22n22	0s44	5s 2	13n21	4s33	4s43	17n29	14n16	2s47

Julian Day Number = 2178319.5, Delta T = 11m43s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'29, Lahiri = 13°25'29 Julian Calendar 1 Dec. 1251 == Greg. Calendar 8 Dec. 1251

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1252
geocentric

JANUARY 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 8 12	17♉37'49	14♌13	6♒13	27♐14	19°R29	23♓12	21♐36	6♓13	10°R49	20♏26	11°R15	11♎50	7♊51	16°R50	M 1
T 2	7 12 8	18°38'53	26°51	7°19	28°29	19♋ 5	23°21	21°42	6°15	10♋47	20°28	11♎ 6	11°47	7°58	16♉49	T 2
W 3	7 16 5	19°39'57	9♍40	8°19	29°44	18°41	23°31	21°49	6°18	10°46	20°29	11° 0	11°44	8° 4	16°48	W 3
T 4	7 20 2	20°41'00	22°41	9°11	0♉59	18°17	23°41	21°55	6°20	10°44	20°31	10°56	11°41	8°11	16°47	T 4
F 5	7 23 58	21°42'03	5♎56	9°56	2°15	17°53	23°51	22° 2	6°23	10°42	20°32	10°D55	11°38	8°18	16°46	F 5
S 6	7 27 55	22°43'06	19°28	10°31	3°30	17°30	24° 2	22° 8	6°26	10°41	20°34	10°R55	11°34	8°24	16°45	S 6
S 7	7 31 51	23°44'07	3♏18	10°57	4°45	17° 6	24°12	22°15	6°28	10°39	20°35	10°55	11°31	8°31	16°44	S 7
M 8	7 35 48	24°45'09	17°26	11°13	6° 0	16°43	24°22	22°21	6°31	10°38	20°36	10°53	11°28	8°38	16°43	M 8
T 9	7 39 44	25°46'10	1♐54	11°R17	7°15	16°20	24°33	22°27	6°34	10°36	20°38	10°49	11°25	8°44	16°43	T 9
W10	7 43 41	26°47'10	16°36	11°10	8°30	15°57	24°44	22°34	6°37	10°34	20°39	10°42	11°22	8°51	16°42	W10
T 11	7 47 37	27°48'09	1♑28	10°52	9°45	15°35	24°55	22°40	6°40	10°33	20°40	10°33	11°19	8°58	16°42	T 11
F 12	7 51 34	28°49'08	16°22	10°23	11° 0	15°13	25° 5	22°46	6°42	10°31	20°41	10°22	11°15	9° 5	16°41	F 12
S 13	7 55 31	29°50'05	1♒ 8	9°43	12°15	14°52	25°17	22°52	6°45	10°29	20°43	10°10	11°12	9°11	16°41	S 13
S 14	7 59 27	0♒51'02	15°38	8°53	13°30	14°31	25°28	22°58	6°48	10°28	20°44	10° 0	11° 9	9°18	16°41	S 14
M15	8 3 24	1°51'57	29°45	7°56	14°45	14°11	25°39	23° 4	6°51	10°26	20°45	9°52	11° 6	9°25	16°40	M15
T 16	8 7 20	2°52'51	13♓26	6°51	16° 0	13°51	25°50	23°10	6°54	10°25	20°46	9°46	11° 3	9°31	16°40	T 16
W17	8 11 17	3°53'43	26°39	5°42	17°15	13°32	26° 2	23°16	6°57	10°23	20°47	9°43	10°59	9°38	16°40	W17
T 18	8 15 13	4°54'34	9♈27	4°30	18°30	13°14	26°13	23°22	7° 0	10°22	20°48	9°D42	10°56	9°45	16°D40	T 18
F 19	8 19 10	5°55'23	21°53	3°17	19°45	12°56	26°25	23°28	7° 3	10°20	20°49	9°43	10°53	9°51	16°40	F 19
S 20	8 23 6	6°56'11	4♉ 2	2° 5	21° 0	12°39	26°37	23°34	7° 6	10°19	20°50	9°R43	10°50	9°58	16°40	S 20
S 21	8 27 3	7°56'58	16° 0	0°57	22°15	12°23	26°48	23°39	7° 9	10°17	20°51	9°43	10°47	10° 5	16°41	S 21
M22	8 31 0	8°57'43	27°51	29♉53	23°30	12° 7	27° 0	23°45	7°13	10°16	20°52	9°41	10°44	10°12	16°41	M22
T 23	8 34 56	9°58'26	9♊41	28°56	24°45	11°52	27°12	23°51	7°16	10°14	20°52	9°36	10°40	10°18	16°41	T 23
W24	8 38 53	10°59'08	21°34	28° 5	26° 0	11°38	27°24	23°56	7°19	10°13	20°53	9°30	10°37	10°25	16°42	W24
T 25	8 42 49	11°59'48	3♋34	27°21	27°15	11°24	27°36	24° 2	7°22	10°12	20°54	9°21	10°34	10°32	16°42	T 25
F 26	8 46 46	13° 0'26	15°43	26°46	28°30	11°12	27°49	24° 7	7°25	10°10	20°55	9°10	10°31	10°38	16°43	F 26
S 27	8 50 42	14° 1'03	28° 4	26°18	29°45	11° 0	28° 1	24°13	7°28	10° 9	20°56	8°59	10°28	10°45	16°43	S 27
S 28	8 54 39	15° 1'38	10♌38	25°59	1♒ 0	10°49	28°13	24°18	7°32	10° 7	20°56	8°49	10°25	10°52	16°44	S 28
M29	8 58 35	16° 2'12	23°24	25°47	2°15	10°39	28°26	24°23	7°35	10° 6	20°57	8°40	10°21	10°59	16°45	M29
T 30	9 2 32	17° 2'44	6♍23	25°D42	3°30	10°29	28°38	24°28	7°38	10° 5	20°57	8°33	10°18	11° 5	16°45	T 30
W31	9 6 29	18♒ 3'15	19♍32	25♉45	4♒45	10♋20	28♓51	24♐34	7♓41	10♋ 4	20♏58	8♎29	10♎15	11♊12	16♉46	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s22	12n36	4s12	19s24	0s38	23s12	0n18	26n16	4n12	3s52	1s16	22s11	1n 5	9s58	0s45	22n22	0s44	5s 2	13n21	4s28	4s42	17n29	14n16	2s47
T 2	22 14	9 19	3 30	18 55	0 25	23 16	0 15	26 20	4 13	3 48	1 16	22 12	1 5	9 57	0 45	22 22	0 44	5 2	13 22	4 24	4 41	17 30	14 16	2 46
W 3	22 5	5 33	2 37	18 26	0 11	23 19	0 13	26 24	4 13	3 44	1 15	22 12	1 5	9 56	0 45	22 22	0 44	5 2	13 22	4 22	4 39	17 30	14 16	2 46
T 4	21 56	1 28	1 35	17 58	0n 4	23 22	0 10	26 28	4 14	3 40	1 15	22 12	1 5	9 55	0 45	22 22	0 44	5 2	13 22	4 21	4 38	17 31	14 15	2 46
F 5	21 47	2s46	0 26	17 31	0 20	23 23	0 7	26 32	4 15	3 36	1 15	22 13	1 5	9 54	0 45	22 22	0 44	5 2	13 23	4 20	4 37	17 32	14 15	2 46
S 6	21 37	6 57	0n45	17 6	0 36	23 24	0 5	26 36	4 15	3 31	1 15	22 13	1 5	9 53	0 45	22 23	0 44	5 2	13 23	4 20	4 36	17 32	14 15	2 46
S 7	21 26	10 51	1 56	16 42	0 53	23 25	0 2	26 39	4 15	3 27	1 15	22 14	1 5	9 52	0 45	22 23	0 44	5 2	13 23	4 20	4 34	17 33	14 15	2 46
M 8	21 16	14 13	3 1	16 21	1 11	23 24	0s 0	26 43	4 16	3 23	1 14	22 14	1 5	9 51	0 45	22 23	0 44	5 2	13 24	4 20	4 33	17 33	14 15	2 46
T 9	21 4	16 47	3 55	16 2	1 29	23 23	0 3	26 46	4 16	3 18	1 14	22 14	1 5	9 50	0 45	22 23	0 44	5 2	13 24	4 18	4 32	17 34	14 15	2 46
W10	20 53	18 17	4 36	15 47	1 47	23 21	0 5	26 49	4 16	3 14	1 14	22 15	1 5	9 49	0 45	22 23	0 44	5 2	13 24	4 15	4 31	17 34	14 15	2 46
T 11	20 41	18 34	4 58	15 35	2 5	23 18	0 8	26 51	4 16	3 9	1 14	22 15	1 5	9 47	0 45	22 23	0 44	5 2	13 25	4 11	4 29	17 35	14 15	2 46
F 12	20 29	17 34	5 0	15 26	2 22	23 15	0 11	26 54	4 16	3 5	1 14	22 15	1 5	9 46	0 45	22 24	0 44	5 2	13 25	4 7	4 28	17 35	14 15	2 46
S 13	20 16	15 24	4 42	15 21	2 38	23 11	0 13	26 56	4 15	3 0	1 13	22 16	1 5	9 45	0 45	22 24	0 44	5 2	13 25	4 3	4 27	17 36	14 15	2 46
S 14	20 3	12 18	4 6	15 19	2 53	23 6	0 16	26 58	4 15	2 56	1 13	22 16	1 5	9 44	0 44	22 24	0 43	5 2	13 26	3 59	4 26	17 36	14 15	2 46
M15	19 49	8 33	3 15	15 21	3 7	23 1	0 18	27 0	4 15	2 51	1 13	22 16	1 5	9 43	0 44	22 24	0 43	5 2	13 26	3 55	4 24	17 37	14 15	2 45
T 16	19 36	4 28	2 15	15 26	3 18	22 55	0 20	27 1	4 14	2 46	1 13	22 17	1 5	9 42	0 44	22 24	0 43	5 2	13 26	3 53	4 23	17 38	14 15	2 45
W17	19 21	0 17	1 9	15 34	3 28	22 48	0 23	27 3	4 13	2 42	1 13	22 17	1 5	9 41	0 44	22 24	0 43	5 2	13 27	3 52	4 22	17 38	14 15	2 45
T 18	19 7	3n47	0 1	15 44	3 35	22 40	0 25	27 4	4 13	2 37	1 13	22 17	1 5	9 40	0 44	22 24	0 43	5 2	13 27	3 52	4 21	17 39	14 15	2 45
F 19	18 52	7 34	1s 5	15 56	3 40	22 32	0 28	27 5	4 12	2 32	1 12	22 18	1 5	9 39	0 44	22 25	0 43	5 2	13 28	3 52	4 19	17 39	14 15	2 45
S 20	18 37	10 56	2 6	16 10	3 42	22 23	0 30	27 6	4 11	2 27	1 12	22 18	1 5	9 37	0 44	22 25	0 43	5 1	13 28	3 52	4 18	17 40	14 15	2 45
S 21	18 21	13 48	3 1	16 25	3 42	22 13	0 32	27 6	4 10	2 23	1 12	22 18	1 5	9 36	0 44	22 25	0 43	5 1	13 28	3 52	4 17	17 40	14 15	2 45
M22	18 5	16 4	3 48	16 41	3 39	22 3	0 35	27 7	4 9	2 18	1 12	22 18	1 5	9 35	0 44	22 25	0 43	5 1	13 29	3 51	4 16	17 41	14 15	2 45
T 23	17 49	17 38	4 25	16 57	3 35	21 52	0 37	27 7	4 8	2 13	1 12	22 19	1 5	9 34	0 44	22 25	0 43	5 1	13 29	3 49	4 14	17 41	14 15	2 45
W24	17 33	18 26	4 50	17 13	3 29	21 40	0 39	27 7	4 7	2 8	1 12	22 19	1 5	9 33	0 44	22 25	0 43	5 1	13 29	3 47	4 13	17 42	14 16	2 45
T 25	17 16	18 26	5 3	17 29	3 21	21 28	0 41	27 7	4 6	2 3	1 11	22 19	1 5	9 31	0 44	22 25	0 43	5 1	13 30	3 43	4 12	17 42	14 16	2 45
F 26	16 59	17 36	5 3	17 45	3 12	21 15	0 43	27 7	4 4	1 58	1 11	22 19	1 5	9 30	0 44	22 25	0 43	5 0	13 30	3 39	4 11	17 43	14 16	2 44
S 27	16 41	15 55	4 48	18 0	3 2	21 1	0 45	27 7	4 3	1 53	1 11	22 20	1 5	9 29	0 44	22 26	0 43	5 0	13 31	3 35	4 9	17 43	14 16	2 44
S 28	16 24	13 28	4 20	18 14	2 51	20 47	0 47	27 6	4 2	1 48	1 11	22 20	1 5	9 28	0 44	22 26	0 43	5 0	13 31	3 31	4 8	17 44	14 17	2 44
M29	16 6	10 21	3 38	18 27	2 40	20 32	0 49	27 6	4 0	1 43	1 11	22 20	1 5	9 27	0 44	22 26	0 43	5 0	13 31	3 27	4 7	17 44	14 17	2 44
T 30	15 47	6 40	2 44	18 40	2 28	20 17	0 51	27 5	3 59	1 37	1 11	22 20	1 5	9 25	0 44	22 26	0 43	5 0	13 32	3 24	4 6	17 45	14 17	2 44
W31	15s29	2n37	1s40	18s51	2n16	20s 1	0s53	27n 5	3n57	1s32	1s11	22s20	1n 5	9s24	0s44	22n26	0s43	4s59	13n32	3s23	4s 4	17n45	14n18	2s44

Julian Day Number = 2178350.5, Delta T = 11m43s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'33, Lahiri = 13°25'34 Julian Calendar 1 Jan. 1252 == Greg. Calendar 8 Jan. 1252

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ASTRODIENST EPHEMERIS for the year 1252
geocentric

FEBRUARY 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 10 25	19♒ 3'44	2♎53	25♉54	6♒ 0	10°R12	29♓ 4	24♐39	7♓45	10°R 2	20♏58	8°D28	10♎12	11♊19	16♉47	T 1
F 2	9 14 22	20° 4'12	16°25	26° 9	7°15	10♋ 5	29°16	24°44	7°48	10♋ 1	20°59	8♎28	10° 9	11°25	16°48	F 2
S 3	9 18 18	21° 4'38	0♏ 7	26°30	8°30	9°59	29°29	24°49	7°51	10° 0	20°59	8°29	10° 5	11°32	16°49	S 3
S 4	9 22 15	22° 5'04	14° 0	26°57	9°44	9°53	29°42	24°53	7°55	9°59	21° 0	8°30	10° 2	11°39	16°50	S 4
M 5	9 26 11	23° 5'27	28° 3	27°29	10°59	9°48	29°55	24°58	7°58	9°58	21° 0	8°R30	9°59	11°45	16°52	M 5
T 6	9 30 8	24° 5'50	12♐17	28° 5	12°14	9°44	0♈ 8	25° 3	8° 1	9°56	21° 1	8°29	9°56	11°52	16°53	T 6
W 7	9 34 4	25° 6'11	26°38	28°46	13°29	9°41	0°21	25° 8	8° 5	9°55	21° 1	8°25	9°53	11°59	16°54	W 7
T 8	9 38 1	26° 6'30	11♑ 3	29°30	14°44	9°39	0°34	25°12	8° 8	9°54	21° 1	8°20	9°50	12° 6	16°56	T 8
F 9	9 41 57	27° 6'48	25°28	0♒18	15°59	9°37	0°48	25°17	8°12	9°53	21° 1	8°14	9°46	12°12	16°57	F 9
S 10	9 45 54	28° 7'05	9♒47	1°10	17°14	9°36	1° 1	25°21	8°15	9°52	21° 2	8° 7	9°43	12°19	16°59	S 10
S 11	9 49 51	29° 7'19	23°54	2° 5	18°29	9°D36	1°14	25°25	8°18	9°51	21° 2	8° 1	9°40	12°26	17° 0	S 11
M12	9 53 47	0♓ 7'32	7♓45	3° 2	19°44	9°37	1°28	25°30	8°22	9°50	21° 2	7°56	9°37	12°32	17° 2	M12
T 13	9 57 44	1° 7'43	21°15	4° 3	20°58	9°38	1°41	25°34	8°25	9°49	21° 2	7°53	9°34	12°39	17° 4	T 13
W14	10 1 40	2° 7'51	4♈23	5° 6	22°13	9°40	1°55	25°38	8°29	9°48	21° 2	7°D51	9°30	12°46	17° 6	W14
T 15	10 5 37	3° 7'58	17°11	6°11	23°28	9°43	2° 8	25°42	8°32	9°47	21°R 2	7°52	9°27	12°53	17° 7	T 15
F 16	10 9 33	4° 8'03	29°38	7°19	24°43	9°46	2°22	25°46	8°35	9°47	21° 2	7°53	9°24	12°59	17° 9	F 16
S 17	10 13 30	5° 8'06	11♉50	8°28	25°58	9°50	2°35	25°50	8°39	9°46	21° 2	7°55	9°21	13° 6	17°11	S 17
S 18	10 17 26	6° 8'06	23°51	9°40	27°12	9°55	2°49	25°54	8°42	9°45	21° 2	7°56	9°18	13°13	17°13	S 18
M19	10 21 23	7° 8'04	5♊44	10°54	28°27	10° 1	3° 3	25°58	8°46	9°44	21° 2	7°R57	9°15	13°19	17°16	M19
T 20	10 25 20	8° 8'00	17°36	12° 9	29°42	10° 7	3°16	26° 1	8°49	9°43	21° 2	7°57	9°11	13°26	17°18	T 20
W21	10 29 16	9° 7'54	29°30	13°26	0♓57	10°14	3°30	26° 5	8°53	9°43	21° 2	7°55	9° 8	13°33	17°20	W21
T 22	10 33 13	10° 7'46	11♋32	14°45	2°11	10°21	3°44	26° 8	8°56	9°42	21° 1	7°52	9° 5	13°39	17°22	T 22
F 23	10 37 9	11° 7'35	23°46	16° 6	3°26	10°29	3°58	26°12	8°59	9°41	21° 1	7°48	9° 2	13°46	17°25	F 23
S 24	10 41 6	12° 7'22	6♌14	17°28	4°41	10°38	4°12	26°15	9° 3	9°41	21° 1	7°44	8°59	13°53	17°27	S 24
S 25	10 45 2	13° 7'07	18°58	18°51	5°55	10°47	4°26	26°18	9° 6	9°40	21° 1	7°39	8°56	14° 0	17°29	S 25
M26	10 48 59	14° 6'50	2♍ 0	20°16	7°10	10°57	4°40	26°21	9°10	9°40	21° 0	7°36	8°52	14° 6	17°32	M26
T 27	10 52 55	15° 6'31	15°18	21°42	8°25	11° 7	4°54	26°24	9°13	9°39	21° 0	7°33	8°49	14°13	17°34	T 27
W28	10 56 52	16° 6'10	28°52	23°10	9°39	11°18	5° 8	26°27	9°17	9°39	20°59	7°32	8°46	14°20	17°37	W28
T 29	11 0 49	17♓ 5'46	12♎39	24♒39	10♓54	11♋29	5♈22	26♐30	9♓20	9♋38	20♏59	7°D32	8♎43	14♊26	17♉40	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s10	1s37	0s30	19s 2	2n 3	19s44	0s55	27n 4	3n56	1s27	1s10	22s21	1n 5	9s23	0s44	22n26	0s43	4s59	13n33	3s22	4s 3	17n46	14n18	2s44
F 2	14 51	5 49	0n43	19 11	1 51	19 27	0 57	27 3	3 54	1 22	1 10	22 21	1 5	9 22	0 44	22 26	0 43	4 59	13 33	3 22	4 2	17 46	14 18	2 44
S 3	14 32	9 46	1 54	19 20	1 38	19 9	0 59	27 2	3 53	1 17	1 10	22 21	1 5	9 20	0 44	22 26	0 43	4 59	13 33	3 23	4 1	17 46	14 19	2 44
S 4	14 12	13 14	3 0	19 27	1 26	18 51	1 1	27 0	3 51	1 11	1 10	22 21	1 5	9 19	0 44	22 27	0 43	4 58	13 34	3 23	3 59	17 47	14 19	2 44
M 5	13 52	15 59	3 56	19 32	1 14	18 32	1 2	26 59	3 50	1 6	1 10	22 21	1 5	9 18	0 44	22 27	0 43	4 58	13 34	3 23	3 58	17 47	14 20	2 43
T 6	13 32	17 46	4 38	19 37	1 2	18 13	1 4	26 58	3 48	1 1	1 10	22 21	1 5	9 17	0 44	22 27	0 43	4 58	13 35	3 22	3 57	17 48	14 20	2 43
W 7	13 12	18 27	5 3	19 40	0 50	17 53	1 6	26 56	3 46	0 55	1 10	22 22	1 5	9 15	0 44	22 27	0 43	4 57	13 35	3 21	3 56	17 48	14 21	2 43
T 8	12 52	17 57	5 9	19 43	0 38	17 33	1 7	26 55	3 45	0 50	1 10	22 22	1 5	9 14	0 44	22 27	0 43	4 57	13 35	3 19	3 54	17 49	14 21	2 43
F 9	12 31	16 17	4 55	19 43	0 27	17 12	1 9	26 53	3 43	0 45	1 9	22 22	1 5	9 13	0 44	22 27	0 43	4 57	13 36	3 16	3 53	17 49	14 21	2 43
S 10	12 10	13 38	4 24	19 43	0 16	16 51	1 10	26 52	3 41	0 39	1 9	22 22	1 5	9 11	0 44	22 27	0 43	4 56	13 36	3 14	3 52	17 50	14 22	2 43
S 11	11 49	10 12	3 36	19 41	0 6	16 29	1 11	26 50	3 40	0 34	1 9	22 22	1 5	9 10	0 44	22 27	0 43	4 56	13 36	3 11	3 51	17 50	14 23	2 43
M12	11 28	6 17	2 36	19 38	0s 5	16 6	1 13	26 48	3 38	0 28	1 9	22 22	1 5	9 9	0 44	22 27	0 43	4 56	13 37	3 9	3 49	17 51	14 23	2 43
T 13	11 7	2 7	1 29	19 33	0 15	15 44	1 14	26 46	3 36	0 23	1 9	22 22	1 5	9 8	0 44	22 28	0 43	4 55	13 37	3 8	3 48	17 51	14 24	2 43
W14	10 45	2n 2	0 19	19 28	0 24	15 21	1 15	26 45	3 34	0 17	1 9	22 22	1 5	9 6	0 44	22 28	0 43	4 55	13 38	3 8	3 47	17 51	14 24	2 43
T 15	10 24	6 0	0s51	19 21	0 34	14 57	1 16	26 43	3 33	0 12	1 9	22 23	1 5	9 5	0 44	22 28	0 43	4 55	13 38	3 8	3 46	17 52	14 25	2 43
F 16	10 2	9 35	1 56	19 12	0 42	14 33	1 17	26 41	3 31	0 6	1 9	22 23	1 5	9 4	0 44	22 28	0 43	4 54	13 38	3 8	3 44	17 52	14 25	2 43
S 17	9 40	12 40	2 55	19 2	0 51	14 9	1 18	26 39	3 29	0 1	1 9	22 23	1 5	9 2	0 44	22 28	0 43	4 54	13 39	3 9	3 43	17 53	14 26	2 42
S 18	9 18	15 10	3 45	18 51	0 59	13 44	1 19	26 36	3 27	0n 5	1 8	22 23	1 5	9 1	0 44	22 28	0 43	4 54	13 39	3 10	3 42	17 53	14 27	2 42
M19	8 56	17 0	4 25	18 38	1 7	13 19	1 20	26 34	3 26	0 10	1 8	22 23	1 5	9 0	0 44	22 28	0 43	4 53	13 40	3 10	3 41	17 54	14 27	2 42
T 20	8 33	18 5	4 54	18 24	1 14	12 53	1 21	26 32	3 24	0 16	1 8	22 23	1 5	8 59	0 44	22 28	0 43	4 53	13 40	3 10	3 39	17 54	14 28	2 42
W21	8 11	18 22	5 10	18 9	1 21	12 27	1 22	26 30	3 22	0 21	1 8	22 23	1 5	8 57	0 44	22 28	0 42	4 52	13 40	3 9	3 38	17 54	14 29	2 42
T 22	7 48	17 50	5 13	17 52	1 28	12 1	1 23	26 27	3 20	0 27	1 8	22 23	1 6	8 56	0 44	22 28	0 42	4 52	13 41	3 8	3 37	17 55	14 30	2 42
F 23	7 25	16 29	5 1	17 34	1 34	11 35	1 23	26 25	3 19	0 33	1 8	22 23	1 6	8 55	0 44	22 28	0 42	4 51	13 41	3 6	3 36	17 55	14 30	2 42
S 24	7 2	14 20	4 36	17 15	1 40	11 8	1 24	26 23	3 17	0 38	1 8	22 23	1 6	8 53	0 44	22 28	0 42	4 51	13 41	3 5	3 34	17 56	14 31	2 42
S 25	6 40	11 27	3 56	16 54	1 45	10 41	1 24	26 20	3 15	0 44	1 8	22 23	1 6	8 52	0 44	22 29	0 42	4 51	13 42	3 3	3 33	17 56	14 32	2 42
M26	6 16	7 57	3 3	16 32	1 50	10 13	1 25	26 18	3 13	0 50	1 8	22 23	1 6	8 51	0 44	22 29	0 42	4 50	13 42	3 2	3 32	17 56	14 32	2 42
T 27	5 53	3 59	1 59	16 8	1 55	9 46	1 25	26 15	3 12	0 55	1 8	22 23	1 6	8 49	0 44	22 29	0 42	4 50	13 43	3 1	3 31	17 57	14 33	2 42
W28	5 30	0s16	0 48	15 43	1 59	9 18	1 25	26 12	3 10	1 1	1 8	22 23	1 6	8 48	0 44	22 29	0 42	4 49	13 43	3 0	3 29	17 57	14 34	2 42
T 29	5s 7	4s35	0n28	15s17	2s 3	8s50	1s26	26n10	3n 8	1n 6	1s 8	22s24	1n 6	8s47	0s44	22n29	0s42	4s49	13n43	3s 0	3s28	17n58	14n35	2s42

Julian Day Number = 2178381.5, Delta T = 11m42s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'37, Lahiri = 13°25'38 Julian Calendar 1 Feb. 1252 == Greg. Calendar 8 Feb. 1252

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ASTRODIENST EPHEMERIS for the year 1252
geocentric

MARCH 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 4 45	18♓ 5'21	26♎37	26♒10	12♓ 9	11♋41	5♈36	26♐33	9♓23	9°R38	20°R58	7♎33	8♎40	14♊33	17♉43	F 1
S 2	11 8 42	19° 4'54	10♏42	27°42	13°23	11°54	5°50	26°35	9°27	9♋37	20♏58	7°34	8°36	14°40	17°45	S 2
S 3	11 12 38	20° 4'25	24°52	29°15	14°38	12° 7	6° 4	26°38	9°30	9°37	20°57	7°35	8°33	14°47	17°48	S 3
M 4	11 16 35	21° 3'55	9♐ 5	0♓50	15°52	12°21	6°19	26°41	9°34	9°37	20°57	7°36	8°30	14°53	17°51	M 4
T 5	11 20 31	22° 3'23	23°18	2°26	17° 7	12°35	6°33	26°43	9°37	9°36	20°56	7°R36	8°27	15° 0	17°54	T 5
W 6	11 24 28	23° 2'48	7♑28	4° 3	18°22	12°49	6°47	26°45	9°40	9°36	20°56	7°36	8°24	15° 7	17°57	W 6
T 7	11 28 24	24° 2'13	21°34	5°41	19°36	13° 4	7° 1	26°48	9°44	9°36	20°55	7°35	8°21	15°13	18° 0	T 7
F 8	11 32 21	25° 1'35	5♒33	7°21	20°51	13°20	7°16	26°50	9°47	9°36	20°54	7°34	8°17	15°20	18° 3	F 8
S 9	11 36 17	26° 0'56	19°23	9° 3	22° 5	13°35	7°30	26°52	9°50	9°36	20°54	7°32	8°14	15°27	18° 6	S 9
S 10	11 40 14	27° 0'14	3♓ 1	10°45	23°20	13°52	7°44	26°54	9°54	9°35	20°53	7°31	8°11	15°34	18° 9	S 10
M11	11 44 11	27°59'31	16°26	12°29	24°34	14° 9	7°59	26°55	9°57	9°35	20°52	7°30	8° 8	15°40	18°13	M11
T 12	11 48 7	28°58'45	29°35	14°15	25°49	14°26	8°13	26°57	10° 0	9°35	20°51	7°29	8° 5	15°47	18°16	T 12
W13	11 52 4	29°57'58	12♈29	16° 1	27° 3	14°43	8°27	26°59	10° 4	9°D35	20°50	7°D29	8° 1	15°54	18°19	W13
T 14	11 56 0	0♈57'08	25° 6	17°49	28°18	15° 1	8°42	27° 0	10° 7	9°35	20°49	7°29	7°58	16° 0	18°23	T 14
F 15	11 59 57	1°56'16	7♉30	19°39	29°32	15°20	8°56	27° 2	10°10	9°35	20°48	7°30	7°55	16° 7	18°26	F 15
S 16	12 3 53	2°55'22	19°40	21°30	0♈47	15°39	9°11	27° 3	10°13	9°35	20°48	7°30	7°52	16°14	18°29	S 16
S 17	12 7 50	3°54'26	1♊40	23°22	2° 1	15°58	9°25	27° 4	10°17	9°36	20°47	7°31	7°49	16°21	18°33	S 17
M18	12 11 46	4°53'27	13°35	25°16	3°15	16°17	9°39	27° 6	10°20	9°36	20°46	7°31	7°46	16°27	18°36	M18
T 19	12 15 43	5°52'26	25°27	27°11	4°30	16°37	9°54	27° 7	10°23	9°36	20°45	7°31	7°42	16°34	18°40	T 19
W20	12 19 40	6°51'23	7♋22	29° 8	5°44	16°57	10° 8	27° 8	10°26	9°36	20°44	7°31	7°39	16°41	18°44	W20
T 21	12 23 36	7°50'18	19°23	1♈ 6	6°58	17°18	10°23	27° 9	10°29	9°36	20°42	7°31	7°36	16°47	18°47	T 21
F 22	12 27 33	8°49'10	1♌37	3° 5	8°13	17°39	10°37	27° 9	10°33	9°37	20°41	7°31	7°33	16°54	18°51	F 22
S 23	12 31 29	9°48'00	14° 5	5° 5	9°27	18° 0	10°52	27°10	10°36	9°37	20°40	7°32	7°30	17° 1	18°55	S 23
S 24	12 35 26	10°46'47	26°54	7° 7	10°41	18°22	11° 6	27°11	10°39	9°37	20°39	7°32	7°27	17° 8	18°58	S 24
M25	12 39 22	11°45'33	10♍ 3	9°10	11°56	18°44	11°20	27°11	10°42	9°38	20°38	7°32	7°23	17°14	19° 2	M25
T 26	12 43 19	12°44'16	23°35	11°15	13°10	19° 6	11°35	27°11	10°45	9°38	20°37	7°33	7°20	17°21	19° 6	T 26
W27	12 47 15	13°42'57	7♎28	13°20	14°24	19°28	11°49	27°12	10°48	9°38	20°36	7°R33	7°17	17°28	19°10	W27
T 28	12 51 12	14°41'36	21°39	15°26	15°38	19°51	12° 4	27°12	10°51	9°39	20°34	7°33	7°14	17°34	19°14	T 28
F 29	12 55 8	15°40'13	6♏ 5	17°32	16°52	20°14	12°18	27°R12	10°54	9°39	20°33	7°32	7°11	17°41	19°18	F 29
S 30	12 59 5	16°38'48	20°39	19°39	18° 7	20°38	12°33	27°12	10°57	9°40	20°32	7°31	7° 7	17°48	19°22	S 30
S 31	13 3 2	17♈37'21	5♐15	21♈46	19♈21	21♋ 1	12♈47	27♐12	11♓ 0	9♋41	20♏30	7♎30	7♎ 4	17♊55	19♉26	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4s44	8s42	1n43	14s50	2s 6	8s21	1s26	26n 7	3n 7	1n12	1s 7	22s24	1n 6	8s46	0s44	22n29	0s42	4s48	13n44	3s 0	3s27	17n58	14n36	2s42
S 2	4 20	12 21	2 53	14 21	2 9	7 53	1 26	26 4	3 5	1 18	1 7	22 24	1 6	8 44	0 44	22 29	0 42	4 48	13 44	3 1	3 26	17 58	14 37	2 41
S 3	3 57	15 18	3 52	13 50	2 12	7 24	1 26	26 1	3 3	1 24	1 7	22 24	1 6	8 43	0 44	22 29	0 42	4 47	13 44	3 1	3 24	17 59	14 37	2 41
M 4	3 33	17 19	4 38	13 18	2 14	6 55	1 26	25 58	3 2	1 29	1 7	22 24	1 6	8 42	0 44	22 29	0 42	4 47	13 45	3 2	3 23	17 59	14 38	2 41
T 5	3 10	18 16	5 6	12 45	2 15	6 26	1 26	25 55	3 0	1 35	1 7	22 24	1 6	8 40	0 44	22 29	0 42	4 46	13 45	3 2	3 22	18 0	14 39	2 41
W 6	2 46	18 4	5 16	12 11	2 17	5 56	1 26	25 52	2 58	1 41	1 7	22 24	1 6	8 39	0 44	22 29	0 42	4 46	13 45	3 2	3 21	18 0	14 40	2 41
T 7	2 23	16 45	5 7	11 35	2 17	5 27	1 26	25 49	2 57	1 46	1 7	22 24	1 6	8 38	0 44	22 29	0 42	4 46	13 46	3 1	3 19	18 0	14 41	2 41
F 8	1 59	14 27	4 39	10 58	2 18	4 57	1 26	25 46	2 55	1 52	1 7	22 24	1 6	8 37	0 44	22 29	0 42	4 45	13 46	3 1	3 18	18 1	14 42	2 41
S 9	1 35	11 20	3 56	10 20	2 17	4 27	1 25	25 43	2 54	1 58	1 7	22 24	1 6	8 35	0 44	22 29	0 42	4 45	13 46	3 0	3 17	18 1	14 43	2 41
S 10	1 12	7 39	3 0	9 40	2 17	3 57	1 25	25 40	2 52	2 3	1 7	22 24	1 6	8 34	0 44	22 29	0 42	4 44	13 47	2 59	3 16	18 1	14 44	2 41
M11	0 48	3 38	1 54	8 59	2 15	3 27	1 25	25 36	2 50	2 9	1 7	22 24	1 6	8 33	0 44	22 29	0 42	4 44	13 47	2 59	3 14	18 2	14 45	2 41
T 12	0 24	0n30	0 44	8 17	2 14	2 57	1 24	25 33	2 49	2 15	1 7	22 24	1 6	8 32	0 44	22 29	0 42	4 43	13 47	2 59	3 13	18 2	14 45	2 41
W13	0 1	4 31	0s28	7 33	2 12	2 27	1 23	25 29	2 47	2 21	1 7	22 24	1 6	8 30	0 44	22 29	0 42	4 43	13 48	2 59	3 12	18 2	14 46	2 41
T 14	0n23	8 16	1 36	6 49	2 9	1 57	1 23	25 26	2 46	2 26	1 7	22 24	1 6	8 29	0 44	22 30	0 42	4 42	13 48	2 59	3 10	18 3	14 47	2 41
F 15	0 46	11 34	2 39	6 2	2 6	1 26	1 22	25 22	2 44	2 32	1 7	22 24	1 6	8 28	0 44	22 30	0 42	4 42	13 48	2 59	3 9	18 3	14 48	2 41
S 16	1 10	14 18	3 33	5 15	2 2	0 56	1 21	25 18	2 43	2 38	1 7	22 24	1 6	8 27	0 44	22 30	0 42	4 41	13 48	2 59	3 8	18 4	14 49	2 41
S 17	1 34	16 22	4 17	4 27	1 58	0 26	1 21	25 15	2 41	2 44	1 7	22 24	1 6	8 26	0 44	22 30	0 42	4 40	13 49	3 0	3 7	18 4	14 50	2 41
M18	1 57	17 43	4 50	3 37	1 53	0n 5	1 20	25 11	2 40	2 49	1 7	22 24	1 6	8 24	0 44	22 30	0 42	4 40	13 49	3 0	3 5	18 4	14 51	2 41
T 19	2 21	18 17	5 10	2 46	1 48	0 35	1 19	25 7	2 38	2 55	1 7	22 24	1 6	8 23	0 44	22 30	0 42	4 39	13 49	3 0	3 4	18 5	14 52	2 41
W20	2 44	18 3	5 17	1 55	1 42	1 6	1 18	25 3	2 37	3 1	1 7	22 24	1 7	8 22	0 44	22 30	0 42	4 39	13 50	3 0	3 3	18 5	14 53	2 41
T 21	3 7	17 0	5 11	1 2	1 36	1 36	1 17	24 59	2 35	3 6	1 7	22 24	1 7	8 21	0 44	22 30	0 41	4 38	13 50	3 0	3 2	18 5	14 54	2 41
F 22	3 31	15 10	4 50	0 8	1 29	2 7	1 16	24 54	2 34	3 12	1 6	22 24	1 7	8 20	0 44	22 30	0 41	4 38	13 50	3 0	3 0	18 6	14 55	2 41
S 23	3 54	12 36	4 15	0n47	1 22	2 37	1 15	24 50	2 32	3 18	1 6	22 24	1 7	8 18	0 44	22 30	0 41	4 37	13 50	3 0	2 59	18 6	14 56	2 41
S 24	4 17	9 21	3 27	1 42	1 14	3 7	1 13	24 46	2 31	3 23	1 6	22 24	1 7	8 17	0 44	22 30	0 41	4 37	13 51	3 0	2 58	18 6	14 57	2 41
M25	4 40	5 34	2 27	2 39	1 6	3 38	1 12	24 41	2 30	3 29	1 6	22 24	1 7	8 16	0 44	22 30	0 41	4 36	13 51	3 0	2 57	18 7	14 59	2 41
T 26	5 3	1 23	1 17	3 35	0 57	4 8	1 11	24 37	2 28	3 35	1 6	22 24	1 7	8 15	0 44	22 30	0 41	4 36	13 51	3 0	2 55	18 7	15 0	2 41
W27	5 26	2s59	0 0	4 33	0 48	4 38	1 10	24 32	2 27	3 40	1 6	22 23	1 7	8 14	0 44	22 30	0 41	4 35	13 51	3 0	2 54	18 7	15 1	2 40
T 28	5 49	7 17	1n17	5 30	0 38	5 8	1 8	24 27	2 26	3 46	1 6	22 23	1 7	8 13	0 44	22 30	0 41	4 35	13 51	3 0	2 53	18 7	15 2	2 40
F 29	6 11	11 13	2 32	6 28	0 28	5 38	1 7	24 23	2 24	3 52	1 6	22 23	1 7	8 12	0 44	22 30	0 41	4 34	13 52	3 0	2 52	18 8	15 3	2 40
S 30	6 34	14 30	3 37	7 26	0 18	6 8	1 5	24 18	2 23	3 57	1 6	22 23	1 7	8 10	0 44	22 30	0 41	4 34	13 52	3 0	2 50	18 8	15 4	2 40
S 31	6n57	16s52	4n28	8n24	0s 8	6n37	1s 4	24n13	2n22	4n 3	1s 6	22s23	1n 7	8s 9	0s44	22n30	0s41	4s33	13n52	2s59	2s49	18n 8	15n 5	2s40

Julian Day Number = 2178410.5, Delta T = 11m42s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'41, Lahiri = 13°25'42 Julian Calendar 1 March 1252 == Greg. Calendar 8 March 1252

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ASTRODIENST EPHEMERIS for the year 1252
geocentric

APRIL 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 6 58	18♈35'53	19♐48	23♈54	20♈35	21♋25	13♈ 1	27°R12	11♓ 3	9♋41	20°R29	7°R29	7♎ 1	18♊ 1	19♉30	M 1
T 2	13 10 55	19°34'24	4♑13	26° 1	21°49	21°49	13°16	27♐11	11° 6	9°42	20♏28	7♎28	6°58	18° 8	19°34	T 2
W 3	13 14 51	20°32'52	18°25	28° 7	23° 3	22°14	13°30	27°11	11° 8	9°43	20°26	7°D28	6°55	18°15	19°38	W 3
T 4	13 18 48	21°31'19	2♒23	0♉13	24°17	22°38	13°44	27°10	11°11	9°43	20°25	7°28	6°52	18°21	19°42	T 4
F 5	13 22 44	22°29'44	16° 7	2°17	25°31	23° 3	13°59	27°10	11°14	9°44	20°24	7°29	6°48	18°28	19°46	F 5
S 6	13 26 41	23°28'08	29°35	4°20	26°46	23°29	14°13	27° 9	11°17	9°45	20°22	7°30	6°45	18°35	19°50	S 6
S 7	13 30 37	24°26'30	12♓48	6°21	28° 0	23°54	14°27	27° 8	11°19	9°46	20°21	7°31	6°42	18°42	19°55	S 7
M 8	13 34 34	25°24'50	25°48	8°20	29°14	24°20	14°42	27° 7	11°22	9°46	20°19	7°32	6°39	18°48	19°59	M 8
T 9	13 38 31	26°23'09	8♈35	10°16	0♉28	24°45	14°56	27° 6	11°25	9°47	20°18	7°R32	6°36	18°55	20° 3	T 9
W10	13 42 27	27°21'26	21°10	12°10	1°42	25°12	15°10	27° 5	11°28	9°48	20°16	7°32	6°33	19° 2	20° 7	W10
T 11	13 46 24	28°19'41	3♉33	14° 1	2°56	25°38	15°24	27° 4	11°30	9°49	20°15	7°30	6°29	19° 8	20°12	T 11
F 12	13 50 20	29°17'54	15°47	15°48	4°10	26° 4	15°39	27° 3	11°33	9°50	20°13	7°27	6°26	19°15	20°16	F 12
S 13	13 54 17	0♉16'06	27°51	17°33	5°24	26°31	15°53	27° 2	11°35	9°51	20°12	7°24	6°23	19°22	20°20	S 13
S 14	13 58 13	1°14'15	9♊49	19°14	6°38	26°58	16° 7	27° 0	11°38	9°52	20°10	7°20	6°20	19°29	20°25	S 14
M15	14 2 10	2°12'23	21°42	20°51	7°52	27°25	16°21	26°59	11°40	9°53	20° 9	7°16	6°17	19°35	20°29	M15
T 16	14 6 6	3°10'29	3♋34	22°24	9° 6	27°53	16°35	26°57	11°43	9°54	20° 7	7°13	6°13	19°42	20°33	T 16
W17	14 10 3	4° 8'33	15°28	23°54	10°20	28°20	16°49	26°55	11°45	9°55	20° 6	7°10	6°10	19°49	20°38	W17
T 18	14 14 0	5° 6'35	27°28	25°20	11°33	28°48	17° 3	26°53	11°47	9°56	20° 4	7° 9	6° 7	19°55	20°42	T 18
F 19	14 17 56	6° 4'35	9♌39	26°42	12°47	29°16	17°17	26°51	11°50	9°58	20° 2	7°D 8	6° 4	20° 2	20°47	F 19
S 20	14 21 53	7° 2'33	22° 5	27°59	14° 1	29°44	17°31	26°49	11°52	9°59	20° 1	7° 9	6° 1	20° 9	20°51	S 20
S 21	14 25 49	8° 0'30	4♍50	29°13	15°15	0♌12	17°45	26°47	11°54	10° 0	19°59	7°11	5°58	20°16	20°55	S 21
M22	14 29 46	8°58'24	17°59	0♊22	16°29	0°41	17°59	26°45	11°57	10° 1	19°58	7°12	5°54	20°22	21° 0	M22
T 23	14 33 42	9°56'17	1♎34	1°27	17°43	1° 9	18°13	26°43	11°59	10° 2	19°56	7°R13	5°51	20°29	21° 4	T 23
W24	14 37 39	10°54'07	15°36	2°28	18°56	1°38	18°27	26°41	12° 1	10° 4	19°54	7°13	5°48	20°36	21° 9	W24
T 25	14 41 35	11°51'57	0♏ 2	3°24	20°10	2° 7	18°41	26°38	12° 3	10° 5	19°53	7°11	5°45	20°42	21°13	T 25
F 26	14 45 32	12°49'44	14°47	4°16	21°24	2°36	18°55	26°36	12° 5	10° 6	19°51	7° 8	5°42	20°49	21°18	F 26
S 27	14 49 29	13°47'31	29°46	5° 3	22°38	3° 6	19° 8	26°33	12° 7	10° 8	19°49	7° 4	5°38	20°56	21°22	S 27
S 28	14 53 25	14°45'16	14♐48	5°46	23°52	3°35	19°22	26°31	12° 9	10° 9	19°48	6°58	5°35	21° 3	21°27	S 28
M29	14 57 22	15°42'59	29°44	6°24	25° 5	4° 5	19°36	26°28	12°11	10°11	19°46	6°53	5°32	21° 9	21°31	M29
T 30	15 1 18	16♉40'42	14♑28	6♊57	26♉19	4♌34	19♈49	26♐25	12♓13	10♋12	19♏45	6♎48	5♎29	21♊16	21♉36	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n19	18s 8	5n 2	9n21	0n 3	7n 7	1s 2	24n 8	2n20	4n 9	1s 6	22s23	1n 7	8s 8	0s45	22n30	0s41	4s33	13n52	2s59	2s48	18n 9	15n 6	2s40
T 2	7 41	18 12	5 16	10 18	0 14	7 36	1 0	24 3	2 19	4 14	1 6	22 23	1 7	8 7	0 45	22 30	0 41	4 32	13 52	2 58	2 47	18 9	15 7	2 40
W 3	8 3	17 8	5 11	11 14	0 25	8 5	0 59	23 57	2 18	4 20	1 6	22 23	1 7	8 6	0 45	22 30	0 41	4 32	13 53	2 58	2 45	18 9	15 8	2 40
T 4	8 25	15 2	4 47	12 9	0 36	8 34	0 57	23 52	2 16	4 25	1 6	22 23	1 7	8 5	0 45	22 30	0 41	4 31	13 53	2 58	2 44	18 10	15 9	2 40
F 5	8 47	12 8	4 7	13 3	0 47	9 3	0 55	23 46	2 15	4 31	1 6	22 23	1 7	8 4	0 45	22 30	0 41	4 31	13 53	2 59	2 43	18 10	15 10	2 40
S 6	9 9	8 37	3 15	13 55	0 57	9 32	0 53	23 41	2 14	4 37	1 6	22 23	1 7	8 3	0 45	22 30	0 41	4 30	13 53	2 59	2 41	18 10	15 11	2 40
S 7	9 31	4 44	2 12	14 45	1 8	10 0	0 51	23 35	2 13	4 42	1 6	22 23	1 7	8 2	0 45	22 30	0 41	4 30	13 53	3 0	2 40	18 10	15 13	2 41
M 8	9 52	0 41	1 4	15 34	1 18	10 28	0 49	23 29	2 11	4 48	1 6	22 23	1 7	8 1	0 45	22 30	0 41	4 29	13 53	3 0	2 39	18 11	15 14	2 41
T 9	10 13	3n20	0s 6	16 21	1 28	10 56	0 47	23 23	2 10	4 53	1 6	22 23	1 7	8 0	0 45	22 30	0 41	4 29	13 53	3 0	2 38	18 11	15 15	2 41
W10	10 34	7 8	1 14	17 5	1 37	11 24	0 45	23 17	2 9	4 59	1 6	22 23	1 7	7 59	0 45	22 29	0 41	4 28	13 54	3 0	2 36	18 11	15 16	2 41
T 11	10 55	10 35	2 19	17 47	1 46	11 51	0 43	23 11	2 8	5 4	1 6	22 23	1 7	7 58	0 45	22 29	0 41	4 28	13 54	2 59	2 35	18 11	15 17	2 41
F 12	11 16	13 31	3 15	18 27	1 54	12 18	0 41	23 5	2 6	5 10	1 6	22 23	1 7	7 57	0 45	22 29	0 41	4 27	13 54	2 58	2 34	18 12	15 18	2 41
S 13	11 37	15 49	4 2	19 5	2 2	12 45	0 39	22 59	2 5	5 15	1 6	22 23	1 7	7 56	0 45	22 29	0 41	4 27	13 54	2 57	2 33	18 12	15 19	2 41
S 14	11 57	17 25	4 38	19 40	2 9	13 12	0 37	22 52	2 4	5 20	1 6	22 23	1 7	7 55	0 45	22 29	0 41	4 26	13 54	2 55	2 31	18 12	15 20	2 41
M15	12 17	18 15	5 2	20 12	2 15	13 38	0 35	22 46	2 3	5 26	1 7	22 23	1 7	7 54	0 45	22 29	0 41	4 26	13 54	2 54	2 30	18 13	15 21	2 41
T 16	12 37	18 16	5 13	20 42	2 20	14 4	0 33	22 39	2 2	5 31	1 7	22 23	1 7	7 53	0 45	22 29	0 41	4 25	13 54	2 52	2 29	18 13	15 23	2 41
W17	12 57	17 30	5 10	21 9	2 25	14 29	0 31	22 33	2 0	5 37	1 7	22 23	1 7	7 52	0 45	22 29	0 41	4 25	13 54	2 51	2 28	18 13	15 24	2 41
T 18	13 17	15 56	4 54	21 34	2 28	14 55	0 28	22 26	1 59	5 42	1 7	22 22	1 7	7 52	0 45	22 29	0 41	4 25	13 54	2 51	2 26	18 13	15 25	2 41
F 19	13 36	13 39	4 25	21 57	2 31	15 19	0 26	22 19	1 58	5 47	1 7	22 22	1 7	7 51	0 45	22 29	0 41	4 24	13 54	2 51	2 25	18 14	15 26	2 41
S 20	13 55	10 42	3 42	22 17	2 33	15 44	0 24	22 12	1 57	5 53	1 7	22 22	1 7	7 50	0 45	22 29	0 40	4 24	13 54	2 51	2 24	18 14	15 27	2 41
S 21	14 14	7 10	2 48	22 34	2 34	16 8	0 22	22 4	1 56	5 58	1 7	22 22	1 7	7 49	0 45	22 29	0 40	4 23	13 54	2 52	2 23	18 14	15 28	2 41
M22	14 33	3 11	1 43	22 49	2 34	16 31	0 19	21 57	1 55	6 3	1 7	22 22	1 7	7 48	0 45	22 29	0 40	4 23	13 54	2 52	2 21	18 14	15 29	2 41
T 23	14 51	1s 6	0 31	23 2	2 34	16 55	0 17	21 50	1 54	6 9	1 7	22 22	1 7	7 47	0 45	22 29	0 40	4 22	13 54	2 53	2 20	18 14	15 30	2 41
W24	15 9	5 28	0n46	23 13	2 32	17 17	0 14	21 42	1 53	6 14	1 7	22 22	1 7	7 47	0 45	22 29	0 40	4 22	13 54	2 53	2 19	18 15	15 32	2 41
T 25	15 27	9 38	2 1	23 21	2 29	17 40	0 12	21 35	1 52	6 19	1 7	22 22	1 7	7 46	0 45	22 29	0 40	4 22	13 54	2 52	2 17	18 15	15 33	2 41
F 26	15 45	13 18	3 10	23 28	2 25	18 2	0 10	21 27	1 50	6 24	1 7	22 22	1 7	7 45	0 45	22 29	0 40	4 21	13 54	2 51	2 16	18 15	15 34	2 41
S 27	16 2	16 9	4 7	23 32	2 21	18 23	0 7	21 19	1 49	6 29	1 7	22 22	1 7	7 44	0 45	22 29	0 40	4 21	13 54	2 49	2 15	18 15	15 35	2 41
S 28	16 20	17 54	4 48	23 34	2 15	18 44	0 5	21 11	1 48	6 35	1 7	22 22	1 8	7 44	0 45	22 28	0 40	4 20	13 54	2 47	2 14	18 16	15 36	2 41
M29	16 37	18 24	5 8	23 34	2 8	19 4	0 2	21 3	1 47	6 40	1 7	22 22	1 8	7 43	0 45	22 28	0 40	4 20	13 54	2 45	2 12	18 16	15 37	2 41
T 30	16n53	17s39	5n 8	23n32	2n 0	19n24	0s 0	20n55	1n46	6n45	1s 7	22s22	1n 8	7s42	0s45	22n28	0s40	4s20	13n54	2s43	2s11	18n16	15n38	2s41

Julian Day Number = 2178441.5, Delta T = 11m42s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'46, Lahiri = 13°25'46 Julian Calendar 1 Apr. 1252 == Greg. Calendar 8 Apr. 1252

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ASTRODIENST EPHEMERIS for the year 1252
geocentric

MAY 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 5 15	17♉38'23	28♋52	7♊26	27♉33	5♌ 4	20♈ 3	26°R22	12♓15	10♋14	19°R43	6°R45	5♎26	21♊23	21♉41	W 1
T 2	15 9 11	18°36'04	12♒54	7°50	28°46	5°34	20°16	26♐19	12°17	10°15	19♏41	6°D44	5°23	21°29	21°45	T 2
F 3	15 13 8	19°33'43	26°33	8° 9	0♊ 0	6° 4	20°30	26°16	12°19	10°17	19°40	6♎44	5°19	21°36	21°50	F 3
S 4	15 17 4	20°31'21	9♓50	8°23	1°14	6°35	20°43	26°13	12°20	10°18	19°38	6°45	5°16	21°43	21°54	S 4
S 5	15 21 1	21°28'58	22°49	8°32	2°27	7° 5	20°57	26°10	12°22	10°20	19°36	6°46	5°13	21°50	21°59	S 5
M 6	15 24 58	22°26'34	5♈31	8°R37	3°41	7°36	21°10	26° 7	12°24	10°21	19°35	6°R47	5°10	21°56	22° 3	M 6
T 7	15 28 54	23°24'09	18° 1	8°37	4°55	8° 7	21°23	26° 3	12°25	10°23	19°33	6°46	5° 7	22° 3	22° 8	T 7
W 8	15 32 51	24°21'44	0♉19	8°32	6° 8	8°37	21°37	26° 0	12°27	10°25	19°31	6°44	5° 4	22°10	22°13	W 8
T 9	15 36 47	25°19'17	12°29	8°23	7°22	9° 8	21°50	25°57	12°28	10°26	19°30	6°39	5° 0	22°17	22°17	T 9
F 10	15 40 44	26°16'49	24°32	8°10	8°35	9°40	22° 3	25°53	12°30	10°28	19°28	6°32	4°57	22°23	22°22	F 10
S 11	15 44 40	27°14'20	6♊30	7°53	9°49	10°11	22°16	25°50	12°31	10°30	19°26	6°23	4°54	22°30	22°26	S 11
S 12	15 48 37	28°11'50	18°24	7°32	11° 3	10°42	22°29	25°46	12°33	10°32	19°25	6°13	4°51	22°37	22°31	S 12
M13	15 52 33	29° 9'18	0♋15	7° 8	12°16	11°14	22°42	25°42	12°34	10°33	19°23	6° 3	4°48	22°43	22°35	M13
T 14	15 56 30	0♊ 6'46	12° 7	6°42	13°30	11°45	22°55	25°39	12°35	10°35	19°21	5°54	4°44	22°50	22°40	T 14
W15	16 0 27	1° 4'12	24° 1	6°12	14°43	12°17	23° 7	25°35	12°37	10°37	19°20	5°47	4°41	22°57	22°44	W15
T 16	16 4 23	2° 1'38	6♌ 1	5°41	15°57	12°49	23°20	25°31	12°38	10°39	19°18	5°41	4°38	23° 4	22°49	T 16
F 17	16 8 20	2°59'02	18°10	5° 9	17°10	13°21	23°33	25°27	12°39	10°40	19°17	5°38	4°35	23°10	22°53	F 17
S 18	16 12 16	3°56'24	0♍33	4°35	18°24	13°53	23°45	25°23	12°40	10°42	19°15	5°D37	4°32	23°17	22°58	S 18
S 19	16 16 13	4°53'46	13°14	4° 2	19°37	14°26	23°58	25°19	12°41	10°44	19°13	5°37	4°29	23°24	23° 2	S 19
M20	16 20 9	5°51'07	26°18	3°28	20°51	14°58	24°10	25°15	12°42	10°46	19°12	5°38	4°25	23°30	23° 7	M20
T 21	16 24 6	6°48'26	9♎48	2°56	22° 4	15°30	24°23	25°11	12°43	10°48	19°10	5°R38	4°22	23°37	23°11	T 21
W22	16 28 2	7°45'44	23°47	2°25	23°17	16° 3	24°35	25° 7	12°44	10°50	19° 9	5°36	4°19	23°44	23°16	W22
T 23	16 31 59	8°43'02	8♏15	1°56	24°31	16°36	24°47	25° 3	12°45	10°52	19° 7	5°33	4°16	23°51	23°20	T 23
F 24	16 35 56	9°40'18	23° 7	1°30	25°44	17° 8	25° 0	24°59	12°46	10°54	19° 6	5°27	4°13	23°57	23°25	F 24
S 25	16 39 52	10°37'34	8♐17	1° 6	26°58	17°41	25°12	24°55	12°47	10°56	19° 4	5°19	4°10	24° 4	23°29	S 25
S 26	16 43 49	11°34'50	23°34	0°46	28°11	18°14	25°24	24°50	12°48	10°58	19° 3	5°10	4° 6	24°11	23°34	S 26
M27	16 47 45	12°32'04	8♑49	0°30	29°24	18°47	25°36	24°46	12°48	11° 0	19° 1	5° 0	4° 3	24°18	23°38	M27
T 28	16 51 42	13°29'18	23°49	0°17	0♋38	19°20	25°48	24°42	12°49	11° 2	19° 0	4°52	4° 0	24°24	23°42	T 28
W29	16 55 38	14°26'32	8♒27	0° 8	1°51	19°54	25°59	24°38	12°50	11° 4	18°58	4°46	3°57	24°31	23°47	W29
T 30	16 59 35	15°23'46	22°39	0°D 4	3° 4	20°27	26°11	24°33	12°50	11° 6	18°57	4°42	3°54	24°38	23°51	T 30
F 31	17 3 31	16♊20'59	6♓23	0♊ 5	4♋17	21♌ 1	26♈23	24♐29	12♓51	11♋ 8	18♏55	4♎40	3♎50	24♊44	23♉56	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸		⚷		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl	lat
W 1	17n10	15s46	4n48	23n28	1n52	19n44	0n 2	20n46	1n45	6n50	1s 7	22s22	1n 8	7s41	0s45	22n28	0s40	4s19	13n54	2s41	2s10	18n16	15n39	2s42	
T 2	17 26	13 0	4 11	23 22	1 42	20 3	0 5	20 38	1 44	6 55	1 7	22 21	1 8	7 41	0 45	22 28	0 40	4 19	13 54	2 41	2 9	18 16	15 40	2 42	
F 3	17 42	9 34	3 21	23 15	1 31	20 21	0 7	20 29	1 43	7 0	1 7	22 21	1 7	7 40	0 45	22 28	0 40	4 19	13 54	2 41	2 7	18 17	15 41	2 42	
S 4	17 57	5 44	2 21	23 6	1 19	20 39	0 10	20 21	1 42	7 5	1 7	22 21	1 7	7 39	0 45	22 28	0 40	4 18	13 54	2 41	2 6	18 17	15 43	2 42	
S 5	18 12	1 43	1 15	22 55	1 7	20 56	0 12	20 12	1 41	7 10	1 7	22 21	1 7	7 39	0 45	22 28	0 40	4 18	13 54	2 42	2 5	18 17	15 44	2 42	
M 6	18 27	2n18	0 7	22 42	0 53	21 13	0 15	20 3	1 40	7 15	1 7	22 21	1 7	7 38	0 46	22 28	0 40	4 18	13 54	2 42	2 4	18 17	15 45	2 42	
T 7	18 42	6 10	1s 0	22 28	0 39	21 29	0 17	19 54	1 39	7 20	1 8	22 21	1 7	7 38	0 46	22 28	0 40	4 17	13 54	2 42	2 2	18 17	15 46	2 42	
W 8	18 56	9 42	2 4	22 12	0 24	21 44	0 19	19 45	1 38	7 25	1 8	22 21	1 7	7 37	0 46	22 28	0 40	4 17	13 54	2 41	2 1	18 18	15 47	2 42	
T 9	19 10	12 47	3 0	21 56	0 8	21 59	0 22	19 36	1 37	7 29	1 8	22 21	1 7	7 37	0 46	22 27	0 40	4 17	13 54	2 39	2 0	18 18	15 48	2 42	
F 10	19 24	15 17	3 48	21 37	0s 8	22 13	0 24	19 27	1 36	7 34	1 8	22 21	1 7	7 36	0 46	22 27	0 40	4 16	13 53	2 36	1 59	18 18	15 49	2 42	
S 11	19 37	17 7	4 25	21 18	0 25	22 27	0 27	19 17	1 35	7 39	1 8	22 21	1 7	7 35	0 46	22 27	0 40	4 16	13 53	2 33	1 57	18 18	15 50	2 42	
S 12	19 50	18 12	4 51	20 58	0 42	22 40	0 29	19 8	1 34	7 44	1 8	22 21	1 7	7 35	0 46	22 27	0 40	4 16	13 53	2 29	1 56	18 18	15 51	2 43	
M13	20 3	18 28	5 4	20 37	0 59	22 52	0 31	18 58	1 33	7 49	1 8	22 20	1 7	7 34	0 46	22 27	0 40	4 15	13 53	2 25	1 55	18 18	15 52	2 43	
T 14	20 15	17 56	5 4	20 15	1 17	23 4	0 34	18 48	1 32	7 53	1 8	22 20	1 7	7 34	0 46	22 27	0 40	4 15	13 53	2 21	1 53	18 19	15 53	2 43	
W15	20 27	16 37	4 50	19 53	1 34	23 15	0 36	18 38	1 31	7 58	1 8	22 20	1 7	7 34	0 46	22 27	0 40	4 15	13 53	2 18	1 52	18 19	15 54	2 43	
T 16	20 39	14 34	4 24	19 31	1 51	23 25	0 38	18 28	1 30	8 3	1 8	22 20	1 7	7 33	0 46	22 27	0 40	4 15	13 53	2 16	1 51	18 19	15 55	2 43	
F 17	20 50	11 52	3 46	19 9	2 8	23 35	0 41	18 18	1 29	8 7	1 8	22 20	1 7	7 33	0 46	22 27	0 40	4 14	13 52	2 15	1 50	18 19	15 56	2 43	
S 18	21 1	8 35	2 56	18 47	2 24	23 44	0 43	18 8	1 28	8 12	1 8	22 20	1 7	7 32	0 46	22 26	0 40	4 14	13 52	2 14	1 48	18 19	15 57	2 43	
S 19	21 12	4 49	1 57	18 26	2 39	23 53	0 45	17 58	1 27	8 16	1 9	22 20	1 7	7 32	0 46	22 26	0 40	4 14	13 52	2 14	1 47	18 19	15 58	2 43	
M20	21 22	0 43	0 50	18 5	2 54	24 0	0 47	17 47	1 26	8 21	1 9	22 20	1 7	7 32	0 46	22 26	0 40	4 14	13 52	2 15	1 46	18 20	15 59	2 43	
T 21	21 32	3s33	0n22	17 46	3 7	24 7	0 50	17 37	1 25	8 25	1 9	22 20	1 7	7 31	0 46	22 26	0 40	4 14	13 52	2 15	1 45	18 20	16 0	2 44	
W22	21 41	7 48	1 35	17 28	3 20	24 13	0 52	17 26	1 25	8 30	1 9	22 20	1 7	7 31	0 46	22 26	0 40	4 13	13 51	2 14	1 43	18 20	16 1	2 44	
T 23	21 51	11 43	2 45	17 11	3 31	24 19	0 54	17 15	1 24	8 34	1 9	22 19	1 7	7 31	0 46	22 26	0 40	4 13	13 51	2 13	1 42	18 20	16 2	2 44	
F 24	21 59	15 0	3 45	16 56	3 41	24 24	0 56	17 4	1 23	8 39	1 9	22 19	1 7	7 30	0 46	22 26	0 40	4 13	13 51	2 10	1 41	18 20	16 3	2 44	
S 25	22 8	17 20	4 30	16 42	3 50	24 28	0 58	16 53	1 22	8 43	1 9	22 19	1 7	7 30	0 46	22 25	0 40	4 13	13 51	2 7	1 40	18 20	16 4	2 44	
S 26	22 16	18 26	4 57	16 31	3 58	24 31	1 0	16 42	1 21	8 47	1 9	22 19	1 7	7 30	0 46	22 25	0 40	4 13	13 50	2 4	1 38	18 20	16 5	2 44	
M27	22 23	18 13	5 2	16 21	4 4	24 34	1 2	16 31	1 20	8 51	1 9	22 19	1 7	7 30	0 46	22 25	0 40	4 13	13 50	2 0	1 37	18 21	16 6	2 44	
T 28	22 31	16 43	4 47	16 14	4 9	24 36	1 4	16 20	1 19	8 56	1 9	22 19	1 7	7 29	0 46	22 25	0 40	4 13	13 50	1 57	1 36	18 21	16 7	2 45	
W29	22 37	14 9	4 12	16 9	4 13	24 37	1 6	16 8	1 18	9 0	1 10	22 19	1 7	7 29	0 46	22 25	0 39	4 13	13 50	1 54	1 34	18 21	16 8	2 45	
T 30	22 44	10 49	3 24	16 5	4 15	24 38	1 8	15 57	1 17	9 4	1 10	22 19	1 7	7 29	0 46	22 25	0 39	4 12	13 49	1 52	1 33	18 21	16 9	2 45	
F 31	22n50	6s58	2n24	16n 4	4s16	24n37	1n10	15n45	1n16	9n 8	1s10	22s19	1n 7	7s29	0s46	22n25	0s39	4s12	13n49	1s52	1s32	18n21	16n10	2s45	

Julian Day Number = 2178471.5, Delta T = 11m42s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'50, Lahiri = 13°25'50 Julian Calendar 1 May 1252 == Greg. Calendar 8 May 1252

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1252
geocentric

JUNE 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 7 28	17♊18'12	19♓40	0♊10	5♋31	21♌34	26♈34	24°R25	12♓51	11♋10	18°R54	4°D39	3♎47	24♊51	24♉ 0	S 1
S 2	17 11 25	18°15'25	2♈34	0°19	6°44	22° 8	26°46	24♐20	12°51	11°12	18♏53	4°R40	3°44	24°58	24° 4	S 2
M 3	17 15 21	19°12'37	15° 8	0°33	7°57	22°42	26°57	24°16	12°52	11°14	18°51	4♎39	3°41	25° 5	24° 8	M 3
T 4	17 19 18	20° 9'50	27°27	0°52	9°10	23°16	27° 8	24°11	12°52	11°16	18°50	4°37	3°38	25°11	24°13	T 4
W 5	17 23 14	21° 7'03	9♉36	1°16	10°24	23°49	27°20	24° 7	12°52	11°18	18°48	4°33	3°35	25°18	24°17	W 5
T 6	17 27 11	22° 4'15	21°36	1°44	11°37	24°24	27°31	24° 3	12°53	11°20	18°47	4°26	3°31	25°25	24°21	T 6
F 7	17 31 7	23° 1'27	3♊32	2°17	12°50	24°58	27°42	23°58	12°53	11°23	18°46	4°16	3°28	25°31	24°25	F 7
S 8	17 35 4	23°58'39	15°25	2°55	14° 3	25°32	27°52	23°54	12°53	11°25	18°45	4° 4	3°25	25°38	24°29	S 8
S 9	17 39 0	24°55'51	27°16	3°37	15°16	26° 6	28° 3	23°49	12°53	11°27	18°43	3°50	3°22	25°45	24°34	S 9
M10	17 42 57	25°53'03	9♋ 9	4°23	16°30	26°41	28°14	23°45	12°R53	11°29	18°42	3°36	3°19	25°52	24°38	M10
T 11	17 46 54	26°50'15	21° 3	5°14	17°43	27°15	28°25	23°41	12°53	11°31	18°41	3°23	3°16	25°58	24°42	T 11
W12	17 50 50	27°47'26	3♌ 0	6° 9	18°56	27°50	28°35	23°36	12°53	11°33	18°40	3°12	3°12	26° 5	24°46	W12
T 13	17 54 47	28°44'37	15° 4	7° 8	20° 9	28°24	28°45	23°32	12°53	11°36	18°39	3° 4	3° 9	26°12	24°50	T 13
F 14	17 58 43	29°41'48	27°15	8°11	21°22	28°59	28°56	23°27	12°53	11°38	18°37	2°58	3° 6	26°19	24°54	F 14
S 15	18 2 40	0♋38'59	9♍39	9°19	22°35	29°34	29° 6	23°23	12°52	11°40	18°36	2°55	3° 3	26°25	24°58	S 15
S 16	18 6 36	1°36'09	22°19	10°31	23°48	0♍ 9	29°16	23°19	12°52	11°42	18°35	2°54	3° 0	26°32	25° 2	S 16
M17	18 10 33	2°33'19	5♎19	11°47	25° 1	0°44	29°26	23°14	12°52	11°44	18°34	2°54	2°56	26°39	25° 6	M17
T 18	18 14 29	3°30'29	18°43	13° 6	26°14	1°19	29°36	23°10	12°52	11°47	18°33	2°54	2°53	26°45	25° 9	T 18
W19	18 18 26	4°27'39	2♏34	14°30	27°27	1°54	29°45	23° 6	12°51	11°49	18°32	2°52	2°50	26°52	25°13	W19
T 20	18 22 23	5°24'48	16°53	15°58	28°40	2°30	29°55	23° 1	12°51	11°51	18°31	2°48	2°47	26°59	25°17	T 20
F 21	18 26 19	6°21'58	1♐38	17°29	29°53	3° 5	0♉ 5	22°57	12°50	11°53	18°30	2°42	2°44	27° 6	25°21	F 21
S 22	18 30 16	7°19'07	16°44	19° 4	1♑ 6	3°40	0°14	22°53	12°50	11°55	18°29	2°33	2°41	27°12	25°25	S 22
S 23	18 34 12	8°16'17	2♑ 1	20°43	2°19	4°16	0°23	22°49	12°49	11°58	18°28	2°22	2°37	27°19	25°28	S 23
M24	18 38 9	9°13'27	17°19	22°25	3°32	4°51	0°32	22°45	12°48	12° 0	18°27	2°12	2°34	27°26	25°32	M24
T 25	18 42 5	10°10'38	2♒26	24°10	4°45	5°27	0°41	22°41	12°48	12° 2	18°26	2° 2	2°31	27°32	25°36	T 25
W26	18 46 2	11° 7'49	17°13	25°59	5°58	6° 3	0°50	22°36	12°47	12° 4	18°26	1°55	2°28	27°39	25°39	W26
T 27	18 49 58	12° 5'00	1♓33	27°51	7°10	6°39	0°59	22°32	12°46	12° 7	18°25	1°50	2°25	27°46	25°43	T 27
F 28	18 53 55	13° 2'12	15°24	29°45	8°23	7°15	1° 8	22°28	12°45	12° 9	18°24	1°47	2°22	27°53	25°46	F 28
S 29	18 57 52	13°59'25	28°47	1♋43	9°36	7°51	1°16	22°24	12°45	12°11	18°23	1°D46	2°18	27°59	25°50	S 29
S 30	19 1 48	14♋56'38	11♈43	3♋42	10♌49	8♍27	1♉24	22♐21	12♓44	12♋13	18♏23	1°R46	2♎15	28♊ 6	25♉53	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n55	2s54	1n19	16n 6	4s16	24n36	1n11	15n34	1n16	9n12	1s10	22s18	1n 7	7s29	0s47	22n24	0s39	4s12	13n49	1s51	1s31	18n21	16n11	2s45
S 2	23 1	1n12	0 11	16 9	4 15	24 35	1 13	15 22	1 15	9 16	1 10	22 18	1 6	7 28	0 47	22 24	0 39	4 12	13 48	1 52	1 29	18 21	16 12	2 45
M 3	23 6	5 8	0s55	16 14	4 12	24 32	1 15	15 10	1 14	9 20	1 10	22 18	1 6	7 28	0 47	22 24	0 39	4 12	13 48	1 51	1 28	18 21	16 12	2 46
T 4	23 10	8 47	1 58	16 21	4 9	24 29	1 16	14 58	1 13	9 24	1 10	22 18	1 6	7 28	0 47	22 24	0 39	4 12	13 48	1 51	1 27	18 22	16 13	2 46
W 5	23 14	12 0	2 54	16 31	4 4	24 25	1 18	14 46	1 12	9 28	1 10	22 18	1 6	7 28	0 47	22 24	0 39	4 12	13 47	1 49	1 26	18 22	16 14	2 46
T 6	23 18	14 40	3 41	16 41	3 59	24 21	1 19	14 34	1 11	9 32	1 11	22 18	1 6	7 28	0 47	22 24	0 39	4 12	13 47	1 46	1 24	18 22	16 15	2 46
F 7	23 21	16 43	4 19	16 54	3 53	24 15	1 21	14 21	1 10	9 36	1 11	22 18	1 6	7 28	0 47	22 23	0 39	4 12	13 47	1 42	1 23	18 22	16 16	2 46
S 8	23 24	18 1	4 44	17 8	3 45	24 9	1 22	14 9	1 9	9 39	1 11	22 18	1 6	7 28	0 47	22 23	0 39	4 12	13 46	1 37	1 22	18 22	16 17	2 46
S 9	23 26	18 32	4 58	17 24	3 38	24 2	1 24	13 57	1 9	9 43	1 11	22 17	1 6	7 28	0 47	22 23	0 39	4 12	13 46	1 32	1 21	18 22	16 18	2 47
M10	23 28	18 15	4 58	17 41	3 29	23 55	1 25	13 44	1 8	9 47	1 11	22 17	1 6	7 28	0 47	22 23	0 39	4 12	13 46	1 26	1 19	18 22	16 18	2 47
T 11	23 30	17 10	4 46	17 59	3 20	23 47	1 26	13 31	1 7	9 51	1 11	22 17	1 6	7 28	0 47	22 23	0 39	4 12	13 45	1 21	1 18	18 22	16 19	2 47
W12	23 31	15 20	4 21	18 18	3 10	23 38	1 27	13 18	1 6	9 54	1 11	22 17	1 6	7 28	0 47	22 23	0 39	4 12	13 45	1 17	1 17	18 22	16 20	2 47
T 13	23 32	12 49	3 44	18 38	3 0	23 28	1 29	13 6	1 5	9 58	1 12	22 17	1 6	7 28	0 47	22 22	0 39	4 12	13 45	1 13	1 15	18 22	16 21	2 47
F 14	23 32	9 43	2 56	18 59	2 49	23 18	1 30	12 53	1 4	10 1	1 12	22 17	1 5	7 28	0 47	22 22	0 39	4 12	13 44	1 11	1 14	18 22	16 21	2 47
S 15	23 32	6 8	2 0	19 20	2 38	23 7	1 31	12 40	1 4	10 5	1 12	22 17	1 5	7 29	0 47	22 22	0 39	4 12	13 44	1 10	1 13	18 23	16 22	2 48
S 16	23 31	2 12	0 56	19 42	2 26	22 56	1 32	12 26	1 3	10 8	1 12	22 17	1 5	7 29	0 47	22 22	0 39	4 13	13 43	1 10	1 12	18 23	16 23	2 48
M17	23 31	1s56	0n13	20 4	2 14	22 44	1 32	12 13	1 2	10 11	1 12	22 16	1 5	7 29	0 47	22 22	0 39	4 13	13 43	1 10	1 10	18 23	16 24	2 48
T 18	23 29	6 5	1 23	20 27	2 2	22 31	1 33	12 0	1 1	10 15	1 12	22 16	1 5	7 29	0 47	22 22	0 39	4 13	13 43	1 9	1 9	18 23	16 24	2 48
W19	23 27	10 4	2 30	20 49	1 49	22 17	1 34	11 47	1 0	10 18	1 12	22 16	1 5	7 29	0 47	22 21	0 39	4 13	13 42	1 9	1 8	18 23	16 25	2 48
T 20	23 25	13 35	3 30	21 11	1 37	22 3	1 35	11 33	1 0	10 21	1 13	22 16	1 5	7 29	0 47	22 21	0 39	4 13	13 42	1 7	1 7	18 23	16 26	2 49
F 21	23 23	16 21	4 18	21 33	1 24	21 48	1 35	11 20	0 59	10 24	1 13	22 16	1 5	7 30	0 47	22 21	0 39	4 13	13 41	1 5	1 5	18 23	16 27	2 49
S 22	23 20	18 4	4 49	21 54	1 11	21 33	1 36	11 6	0 58	10 28	1 13	22 16	1 5	7 30	0 47	22 21	0 39	4 13	13 41	1 1	1 4	18 23	16 27	2 49
S 23	23 16	18 31	5 1	22 14	0 58	21 17	1 36	10 52	0 57	10 31	1 13	22 16	1 5	7 30	0 47	22 21	0 39	4 14	13 40	0 57	1 3	18 23	16 28	2 49
M24	23 13	17 37	4 50	22 34	0 45	21 0	1 37	10 38	0 56	10 34	1 13	22 16	1 4	7 30	0 47	22 20	0 39	4 14	13 40	0 53	1 2	18 23	16 28	2 50
T 25	23 8	15 29	4 20	22 52	0 33	20 43	1 37	10 24	0 55	10 37	1 13	22 16	1 4	7 31	0 47	22 20	0 39	4 14	13 40	0 49	1 0	18 23	16 29	2 50
W26	23 4	12 22	3 32	23 8	0 20	20 26	1 37	10 11	0 55	10 40	1 14	22 15	1 4	7 31	0 47	22 20	0 39	4 14	13 39	0 46	0 59	18 23	16 30	2 50
T 27	22 59	8 35	2 33	23 23	0 8	20 7	1 37	9 56	0 54	10 43	1 14	22 15	1 4	7 31	0 47	22 20	0 39	4 14	13 39	0 44	0 58	18 23	16 30	2 50
F 28	22 54	4 28	1 26	23 36	0n 4	19 48	1 38	9 42	0 53	10 45	1 14	22 15	1 4	7 32	0 48	22 20	0 39	4 15	13 38	0 43	0 56	18 23	16 31	2 50
S 29	22 48	0 15	0 16	23 46	0 15	19 29	1 38	9 28	0 52	10 48	1 14	22 15	1 4	7 32	0 48	22 20	0 39	4 15	13 38	0 42	0 55	18 23	16 32	2 51
S 30	22n42	3n51	0s52	23n55	0n26	19n 9	1n38	9n14	0n52	10n51	1s14	22s15	1n 4	7s32	0s48	22n19	0s39	4s15	13n37	0s42	0s54	18n23	16n32	2s51

Julian Day Number = 2178502.5, Delta T = 11m42s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'54, Lahiri = 13°25'54 Julian Calendar 1 June 1252 == Greg. Calendar 8 June 1252

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ASTRODIENST EPHEMERIS for the year 1252
geocentric

JULY 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 5 45	15♋53'52	24♈17	5♋44	12♌ 1	9♍ 3	1♉33	22°R17	12°R43	12♋15	18°R22	1°R46	2♎12	28♊13	25♉56	M 1
T 2	19 9 41	16°51'07	6♉34	7°47	13°14	9°39	1°41	22♐13	12♓42	12°18	18♏21	1♎44	2° 9	28°20	26° 0	T 2
W 3	19 13 38	17°48'23	18°38	9°52	14°27	10°15	1°49	22° 9	12°41	12°20	18°21	1°41	2° 6	28°26	26° 3	W 3
T 4	19 17 34	18°45'40	0♊35	11°57	15°40	10°52	1°56	22° 5	12°40	12°22	18°20	1°34	2° 2	28°33	26° 6	T 4
F 5	19 21 31	19°42'57	12°27	14° 4	16°52	11°28	2° 4	22° 2	12°38	12°24	18°19	1°25	1°59	28°40	26° 9	F 5
S 6	19 25 27	20°40'16	24°19	16°11	18° 5	12° 4	2°12	21°58	12°37	12°27	18°19	1°14	1°56	28°46	26°13	S 6
S 7	19 29 24	21°37'35	6♋11	18°18	19°17	12°41	2°19	21°55	12°36	12°29	18°18	1° 2	1°53	28°53	26°16	S 7
M 8	19 33 21	22°34'55	18° 6	20°25	20°30	13°18	2°26	21°51	12°35	12°31	18°18	0°49	1°50	29° 0	26°19	M 8
T 9	19 37 17	23°32'16	0♌ 6	22°32	21°43	13°54	2°33	21°48	12°34	12°33	18°17	0°38	1°47	29° 7	26°22	T 9
W10	19 41 14	24°29'37	12°11	24°38	22°55	14°31	2°40	21°44	12°32	12°35	18°17	0°28	1°43	29°13	26°25	W10
T 11	19 45 10	25°27'00	24°24	26°43	24° 8	15° 8	2°47	21°41	12°31	12°38	18°17	0°20	1°40	29°20	26°28	T 11
F 12	19 49 7	26°24'22	6♍45	28°47	25°20	15°45	2°54	21°38	12°29	12°40	18°16	0°15	1°37	29°27	26°30	F 12
S 13	19 53 3	27°21'46	19°17	0♌50	26°33	16°22	3° 0	21°35	12°28	12°42	18°16	0°12	1°34	29°34	26°33	S 13
S 14	19 57 0	28°19'10	2♎ 3	2°52	27°45	16°59	3° 6	21°31	12°26	12°44	18°16	0°D12	1°31	29°40	26°36	S 14
M15	20 0 56	29°16'35	15° 5	4°53	28°57	17°36	3°13	21°28	12°25	12°46	18°15	0°12	1°27	29°47	26°39	M15
T 16	20 4 53	0♌14'01	28°28	6°52	0♍10	18°14	3°19	21°25	12°23	12°48	18°15	0°R13	1°24	29°54	26°41	T 16
W17	20 8 50	1°11'27	12♏12	8°50	1°22	18°51	3°24	21°23	12°22	12°51	18°15	0°12	1°21	0♋ 0	26°44	W17
T 18	20 12 46	2° 8'55	26°20	10°47	2°34	19°28	3°30	21°20	12°20	12°53	18°15	0°10	1°18	0° 7	26°47	T 18
F 19	20 16 43	3° 6'23	10♐51	12°42	3°47	20° 6	3°36	21°17	12°18	12°55	18°15	0° 6	1°15	0°14	26°49	F 19
S 20	20 20 39	4° 3'51	25°40	14°35	4°59	20°43	3°41	21°14	12°17	12°57	18°15	29♍59	1°12	0°21	26°51	S 20
S 21	20 24 36	5° 1'21	10♑42	16°27	6°11	21°21	3°46	21°12	12°15	12°59	18°15	29°51	1° 8	0°27	26°54	S 21
M22	20 28 32	5°58'52	25°47	18°17	7°23	21°58	3°51	21° 9	12°13	13° 1	18°D15	29°43	1° 5	0°34	26°56	M22
T 23	20 32 29	6°56'24	10♒46	20° 6	8°35	22°36	3°56	21° 7	12°11	13° 3	18°15	29°36	1° 2	0°41	26°58	T 23
W24	20 36 26	7°53'57	25°29	21°53	9°48	23°14	4° 1	21° 5	12°10	13° 5	18°15	29°30	0°59	0°47	27° 1	W24
T 25	20 40 22	8°51'31	9♓50	23°39	11° 0	23°52	4° 5	21° 2	12° 8	13° 7	18°15	29°26	0°56	0°54	27° 3	T 25
F 26	20 44 19	9°49'07	23°44	25°23	12°12	24°30	4° 9	21° 0	12° 6	13° 9	18°15	29°D25	0°53	1° 1	27° 5	F 26
S 27	20 48 15	10°46'44	7♈11	27° 6	13°24	25° 8	4°13	20°58	12° 4	13°11	18°15	29°25	0°49	1° 8	27° 7	S 27
S 28	20 52 12	11°44'22	20°11	28°47	14°36	25°46	4°17	20°56	12° 2	13°13	18°15	29°26	0°46	1°14	27° 9	S 28
M29	20 56 8	12°42'03	2♉49	0♍27	15°48	26°24	4°21	20°54	12° 0	13°15	18°15	29°27	0°43	1°21	27°11	M29
T 30	21 0 5	13°39'45	15° 8	2° 6	16°59	27° 2	4°25	20°52	11°58	13°17	18°16	29°R28	0°40	1°28	27°13	T 30
W31	21 4 1	14♌37'28	27♉14	3♍43	18♍11	27♍40	4♉28	20♐51	11♓56	13♋19	18♏16	29♍27	0♎37	1♋35	27♉15	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n35	7n39	1s56	24n 1	0n36	18n49	1n37	9n 0	0n51	10n54	1s14	22s15	1n 4	7s33	0s48	22n19	0s39	4s15	13n37	0s42	0s53	18n23	16n33	2s51
T 2	22 28	11 2	2 53	24 4	0 46	18 28	1 37	8 45	0 50	10 56	1 15	22 15	1 3	7 33	0 48	22 19	0 39	4 16	13 36	0 42	0 51	18 23	16 33	2 51
W 3	22 21	13 53	3 41	24 5	0 55	18 6	1 37	8 31	0 49	10 59	1 15	22 15	1 3	7 34	0 48	22 19	0 39	4 16	13 36	0 40	0 50	18 23	16 34	2 52
T 4	22 13	16 8	4 19	24 3	1 4	17 45	1 37	8 16	0 48	11 1	1 15	22 15	1 3	7 34	0 48	22 19	0 39	4 16	13 35	0 38	0 49	18 23	16 34	2 52
F 5	22 5	17 40	4 45	23 58	1 12	17 22	1 36	8 1	0 48	11 4	1 15	22 15	1 3	7 35	0 48	22 18	0 39	4 17	13 35	0 34	0 48	18 23	16 35	2 52
S 6	21 56	18 26	4 59	23 51	1 19	16 59	1 36	7 47	0 47	11 6	1 15	22 14	1 3	7 35	0 48	22 18	0 39	4 17	13 34	0 30	0 46	18 23	16 35	2 52
S 7	21 47	18 23	5 0	23 41	1 25	16 36	1 35	7 32	0 46	11 9	1 16	22 14	1 3	7 36	0 48	22 18	0 39	4 17	13 34	0 25	0 45	18 23	16 36	2 53
M 8	21 38	17 33	4 48	23 28	1 30	16 12	1 34	7 17	0 45	11 11	1 16	22 14	1 3	7 36	0 48	22 18	0 39	4 18	13 33	0 20	0 44	18 23	16 36	2 53
T 9	21 28	15 55	4 23	23 12	1 35	15 48	1 34	7 2	0 45	11 13	1 16	22 14	1 3	7 37	0 48	22 18	0 39	4 18	13 33	0 15	0 43	18 23	16 37	2 53
W10	21 18	13 35	3 46	22 54	1 39	15 24	1 33	6 47	0 44	11 15	1 16	22 14	1 2	7 37	0 48	22 17	0 39	4 18	13 32	0 11	0 41	18 23	16 37	2 53
T 11	21 8	10 38	2 58	22 34	1 42	14 59	1 32	6 32	0 43	11 18	1 16	22 14	1 2	7 38	0 48	22 17	0 39	4 19	13 32	0 8	0 40	18 23	16 38	2 54
F 12	20 57	7 11	2 2	22 11	1 44	14 33	1 31	6 17	0 42	11 20	1 16	22 14	1 2	7 38	0 48	22 17	0 39	4 19	13 31	0 6	0 39	18 23	16 38	2 54
S 13	20 46	3 22	0 58	21 46	1 46	14 8	1 30	6 2	0 41	11 22	1 17	22 14	1 2	7 39	0 48	22 17	0 39	4 20	13 31	0 5	0 37	18 23	16 38	2 54
S 14	20 35	0s40	0n10	21 20	1 47	13 42	1 29	5 47	0 41	11 24	1 17	22 14	1 2	7 39	0 48	22 17	0 39	4 20	13 30	0 5	0 36	18 23	16 39	2 54
M15	20 23	4 45	1 19	20 51	1 47	13 15	1 28	5 32	0 40	11 26	1 17	22 14	1 2	7 40	0 48	22 16	0 39	4 20	13 30	0 5	0 35	18 23	16 39	2 55
T 16	20 11	8 43	2 25	20 21	1 47	12 48	1 26	5 16	0 39	11 27	1 17	22 14	1 2	7 41	0 48	22 16	0 39	4 21	13 29	0 5	0 34	18 23	16 39	2 55
W17	19 58	12 18	3 25	19 49	1 46	12 21	1 25	5 1	0 38	11 29	1 17	22 14	1 1	7 41	0 48	22 16	0 39	4 21	13 29	0 5	0 32	18 23	16 40	2 55
T 18	19 46	15 17	4 14	19 16	1 44	11 54	1 24	4 46	0 38	11 31	1 18	22 14	1 1	7 42	0 48	22 16	0 39	4 22	13 28	0 4	0 31	18 23	16 40	2 55
F 19	19 32	17 24	4 49	18 42	1 42	11 26	1 22	4 30	0 37	11 33	1 18	22 14	1 1	7 43	0 48	22 16	0 39	4 22	13 28	0 2	0 30	18 23	16 40	2 56
S 20	19 19	18 23	5 5	18 6	1 39	10 58	1 21	4 15	0 36	11 34	1 18	22 14	1 1	7 43	0 48	22 15	0 39	4 23	13 27	0n 0	0 29	18 23	16 41	2 56
S 21	19 5	18 7	5 0	17 30	1 36	10 30	1 19	3 59	0 35	11 36	1 18	22 14	1 1	7 44	0 48	22 15	0 39	4 23	13 27	0 3	0 27	18 23	16 41	2 56
M22	18 51	16 34	4 35	16 52	1 33	10 2	1 17	3 44	0 35	11 37	1 18	22 14	1 1	7 45	0 48	22 15	0 39	4 24	13 26	0 7	0 26	18 23	16 41	2 57
T 23	18 37	13 54	3 51	16 14	1 28	9 33	1 15	3 28	0 34	11 39	1 19	22 14	1 0	7 45	0 48	22 15	0 39	4 24	13 26	0 10	0 25	18 23	16 41	2 57
W24	18 22	10 23	2 52	15 35	1 24	9 4	1 14	3 12	0 33	11 40	1 19	22 14	1 0	7 46	0 48	22 15	0 39	4 25	13 25	0 12	0 24	18 23	16 42	2 57
T 25	18 7	6 19	1 43	14 56	1 19	8 35	1 12	2 57	0 33	11 41	1 19	22 14	1 0	7 47	0 48	22 14	0 39	4 25	13 25	0 13	0 22	18 23	16 42	2 57
F 26	17 52	2 2	0 31	14 16	1 14	8 5	1 10	2 41	0 32	11 43	1 19	22 14	1 0	7 48	0 48	22 14	0 39	4 26	13 24	0 14	0 21	18 23	16 42	2 58
S 27	17 36	2n13	0s42	13 35	1 8	7 35	1 8	2 25	0 31	11 44	1 19	22 14	1 0	7 48	0 48	22 14	0 39	4 26	13 24	0 14	0 20	18 23	16 42	2 58
S 28	17 20	6 14	1 50	12 54	1 2	7 6	1 5	2 9	0 30	11 45	1 20	22 14	1 0	7 49	0 48	22 14	0 39	4 27	13 23	0 14	0 18	18 23	16 42	2 58
M29	17 4	9 50	2 50	12 13	0 55	6 36	1 3	1 53	0 30	11 46	1 20	22 14	1 0	7 50	0 48	22 14	0 39	4 27	13 23	0 13	0 17	18 23	16 43	2 59
T 30	16 47	12 55	3 42	11 32	0 49	6 5	1 1	1 37	0 29	11 47	1 20	22 14	0 59	7 51	0 48	22 13	0 39	4 28	13 22	0 13	0 16	18 23	16 43	2 59
W31	16n31	15n22	4s22	10n50	0n42	5n35	0n58	1n22	0n28	11n48	1s20	22s14	0n59	7s52	0s48	22n13	0s39	4s29	13n22	0n13	0s15	18n23	16n43	2s59

Julian Day Number = 2178532.5, Delta T = 11m42s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°18'58, Lahiri = 13°25'59 Julian Calendar 1 July 1252 == Greg. Calendar 8 July 1252

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ASTRODIENST EPHEMERIS for the year 1252
geocentric

AUGUST 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 7 58	15♌35'14	9♊11	5♍18	19♍23	28♍19	4♉31	20°R49	11°R54	13♋21	18♏16	29°R24	0♎33	1♋41	27♉16	T 1
F 2	21 11 54	16°33'01	21° 3	6°52	20°35	28°57	4°34	20♐47	11♓52	13°23	18°17	29♍19	0°30	1°48	27°18	F 2
S 3	21 15 51	17°30'49	2♋55	8°25	21°47	29°36	4°37	20°46	11°50	13°25	18°17	29°13	0°27	1°55	27°20	S 3
S 4	21 19 48	18°28'40	14°50	9°56	22°58	0♎14	4°40	20°45	11°48	13°27	18°17	29° 6	0°24	2° 1	27°21	S 4
M 5	21 23 44	19°26'32	26°50	11°26	24°10	0°53	4°42	20°43	11°45	13°29	18°18	28°59	0°21	2° 8	27°23	M 5
T 6	21 27 41	20°24'25	8♌57	12°54	25°22	1°32	4°45	20°42	11°43	13°31	18°18	28°52	0°18	2°15	27°24	T 6
W 7	21 31 37	21°22'20	21°14	14°21	26°33	2°10	4°47	20°41	11°41	13°33	18°19	28°46	0°14	2°22	27°25	W 7
T 8	21 35 34	22°20'17	3♍40	15°47	27°45	2°49	4°49	20°40	11°39	13°35	18°19	28°42	0°11	2°28	27°27	T 8
F 9	21 39 30	23°18'15	16°17	17°10	28°56	3°28	4°50	20°39	11°37	13°36	18°20	28°39	0° 8	2°35	27°28	F 9
S 10	21 43 27	24°16'15	29° 6	18°33	0♎ 8	4° 7	4°52	20°38	11°34	13°38	18°21	28°D38	0° 5	2°42	27°29	S 10
S 11	21 47 23	25°14'16	12♎ 7	19°54	1°19	4°46	4°53	20°38	11°32	13°40	18°21	28°39	0° 2	2°49	27°30	S 11
M12	21 51 20	26°12'19	25°22	21°13	2°30	5°25	4°54	20°37	11°30	13°42	18°22	28°41	29♍59	2°55	27°31	M12
T 13	21 55 17	27°10'23	8♏52	22°31	3°42	6° 4	4°55	20°36	11°28	13°43	18°23	28°42	29°55	3° 2	27°32	T 13
W14	21 59 13	28° 8'28	22°38	23°46	4°53	6°44	4°56	20°36	11°25	13°45	18°23	28°R43	29°52	3° 9	27°33	W14
T 15	22 3 10	29° 6'35	6♐40	25° 1	6° 4	7°23	4°56	20°36	11°23	13°47	18°24	28°43	29°49	3°15	27°34	T 15
F 16	22 7 6	0♍ 4'44	20°57	26°13	7°15	8° 2	4°56	20°35	11°21	13°49	18°25	28°41	29°46	3°22	27°35	F 16
S 17	22 11 3	1° 2'54	5♑27	27°23	8°27	8°42	4°R56	20°35	11°18	13°50	18°26	28°39	29°43	3°29	27°35	S 17
S 18	22 14 59	2° 1'05	20° 5	28°32	9°38	9°21	4°56	20°D35	11°16	13°52	18°27	28°36	29°39	3°36	27°36	S 18
M19	22 18 56	2°59'18	4♒46	29°38	10°49	10° 1	4°56	20°35	11°13	13°53	18°28	28°32	29°36	3°42	27°37	M19
T 20	22 22 52	3°57'33	19°22	0♎42	12° 0	10°40	4°56	20°35	11°11	13°55	18°29	28°29	29°33	3°49	27°37	T 20
W21	22 26 49	4°55'49	3♓48	1°44	13°10	11°20	4°55	20°36	11° 9	13°57	18°30	28°26	29°30	3°56	27°38	W21
T 22	22 30 46	5°54'07	17°56	2°43	14°21	12° 0	4°54	20°36	11° 6	13°58	18°31	28°25	29°27	4° 2	27°38	T 22
F 23	22 34 42	6°52'27	1♈44	3°40	15°32	12°40	4°53	20°37	11° 4	14° 0	18°32	28°D24	29°24	4° 9	27°38	F 23
S 24	22 38 39	7°50'49	15° 9	4°33	16°43	13°19	4°52	20°37	11° 2	14° 1	18°33	28°25	29°20	4°16	27°38	S 24
S 25	22 42 35	8°49'13	28°10	5°24	17°53	13°59	4°50	20°38	10°59	14° 3	18°34	28°26	29°17	4°23	27°39	S 25
M26	22 46 32	9°47'40	10♉51	6°12	19° 4	14°39	4°48	20°38	10°57	14° 4	18°35	28°28	29°14	4°29	27°39	M26
T 27	22 50 28	10°46'08	23°13	6°56	20°14	15°20	4°46	20°39	10°54	14° 5	18°36	28°29	29°11	4°36	27°R39	T 27
W28	22 54 25	11°44'39	5♊21	7°36	21°25	16° 0	4°44	20°40	10°52	14° 7	18°37	28°30	29° 8	4°43	27°39	W28
T 29	22 58 21	12°43'12	17°20	8°12	22°35	16°40	4°42	20°41	10°50	14° 8	18°39	28°R30	29° 4	4°50	27°39	T 29
F 30	23 2 18	13°41'47	29°13	8°44	23°46	17°20	4°40	20°42	10°47	14° 9	18°40	28°29	29° 1	4°56	27°38	F 30
S 31	23 6 15	14♍40'24	11♋ 6	9♎12	24♎56	18♎ 1	4♉37	20♐44	10♓45	14♋11	18♏41	28♍28	28♍58	5♋ 3	27♉38	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n14	17n 8	4s50	10n 9	0n35	5n 5	0n56	1n 6	0n27	11n49	1s21	22s14	0n59	7s52	0s48	22n13	0s39	4s29	13n21	0n14	0s13	18n23	16n43	2s59
F 2	15 56	18 9	5 6	9 27	0 27	4 34	0 54	0 50	0 27	11 50	1 21	22 14	0 59	7 53	0 48	22 13	0 39	4 30	13 21	0 16	0 12	18 23	16 43	3 0
S 3	15 39	18 22	5 8	8 45	0 20	4 3	0 51	0 34	0 26	11 50	1 21	22 14	0 59	7 54	0 49	22 13	0 39	4 30	13 20	0 19	0 11	18 23	16 43	3 0
S 4	15 21	17 47	4 58	8 3	0 12	3 32	0 48	0 17	0 25	11 51	1 21	22 14	0 59	7 55	0 49	22 12	0 39	4 31	13 20	0 22	0 10	18 23	16 43	3 0
M 5	15 3	16 24	4 34	7 22	0 4	3 1	0 46	0 1	0 25	11 52	1 21	22 14	0 58	7 56	0 49	22 12	0 39	4 32	13 19	0 25	0 8	18 22	16 43	3 1
T 6	14 45	14 16	3 57	6 41	0s 4	2 30	0 43	0s15	0 24	11 52	1 22	22 14	0 58	7 57	0 49	22 12	0 39	4 32	13 18	0 27	0 7	18 22	16 43	3 1
W 7	14 26	11 29	3 9	5 59	0 13	1 59	0 40	0 31	0 23	11 53	1 22	22 14	0 58	7 57	0 49	22 12	0 39	4 33	13 18	0 30	0 6	18 22	16 43	3 1
T 8	14 7	8 9	2 12	5 18	0 21	1 28	0 37	0 47	0 22	11 53	1 22	22 14	0 58	7 58	0 49	22 12	0 39	4 34	13 17	0 31	0 4	18 22	16 43	3 1
F 9	13 48	4 24	1 7	4 38	0 30	0 57	0 34	1 3	0 22	11 54	1 22	22 15	0 58	7 59	0 49	22 11	0 39	4 34	13 17	0 32	0 3	18 22	16 43	3 2
S 10	13 29	0 24	0n 3	3 58	0 38	0 26	0 31	1 19	0 21	11 54	1 22	22 15	0 58	8 0	0 49	22 11	0 39	4 35	13 16	0 33	0 2	18 22	16 43	3 2
S 11	13 10	3s41	1 13	3 18	0 47	0s 6	0 28	1 36	0 20	11 54	1 23	22 15	0 57	8 1	0 49	22 11	0 39	4 36	13 16	0 32	0 1	18 22	16 43	3 2
M12	12 50	7 40	2 21	2 38	0 56	0 37	0 25	1 52	0 20	11 54	1 23	22 15	0 57	8 2	0 49	22 11	0 39	4 36	13 15	0 32	0n 1	18 22	16 43	3 3
T 13	12 30	11 19	3 22	1 59	1 5	1 8	0 22	2 8	0 19	11 54	1 23	22 15	0 57	8 3	0 49	22 11	0 39	4 37	13 15	0 31	0 2	18 22	16 43	3 3
W14	12 10	14 25	4 13	1 21	1 14	1 40	0 19	2 24	0 18	11 54	1 23	22 15	0 57	8 4	0 49	22 11	0 39	4 38	13 14	0 31	0 3	18 22	16 43	3 3
T 15	11 50	16 44	4 50	0 43	1 23	2 11	0 15	2 40	0 17	11 54	1 24	22 15	0 57	8 4	0 49	22 10	0 39	4 38	13 14	0 31	0 4	18 22	16 43	3 4
F 16	11 29	18 4	5 10	0 6	1 32	2 42	0 12	2 57	0 17	11 54	1 24	22 15	0 57	8 5	0 49	22 10	0 39	4 39	13 13	0 31	0 6	18 21	16 43	3 4
S 17	11 9	18 14	5 11	0s30	1 41	3 14	0 9	3 13	0 16	11 54	1 24	22 16	0 56	8 6	0 49	22 10	0 39	4 40	13 13	0 32	0 7	18 21	16 42	3 4
S 18	10 48	17 13	4 52	1 5	1 50	3 45	0 5	3 29	0 15	11 54	1 24	22 16	0 56	8 7	0 49	22 10	0 39	4 40	13 12	0 34	0 8	18 21	16 42	3 5
M19	10 27	15 3	4 13	1 40	1 59	4 16	0 2	3 45	0 15	11 54	1 24	22 16	0 56	8 8	0 49	22 10	0 39	4 41	13 12	0 35	0 9	18 21	16 42	3 5
T 20	10 6	11 56	3 18	2 14	2 8	4 47	0s 1	4 2	0 14	11 53	1 25	22 16	0 56	8 9	0 49	22 9	0 39	4 42	13 11	0 36	0 11	18 21	16 42	3 5
W21	9 44	8 7	2 11	2 46	2 16	5 18	0 5	4 18	0 13	11 53	1 25	22 16	0 56	8 10	0 49	22 9	0 39	4 43	13 11	0 37	0 12	18 21	16 42	3 6
T 22	9 23	3 54	0 57	3 18	2 25	5 49	0 9	4 34	0 13	11 52	1 25	22 17	0 56	8 11	0 49	22 9	0 39	4 43	13 10	0 38	0 13	18 21	16 42	3 6
F 23	9 1	0n25	0s18	3 48	2 34	6 20	0 12	4 50	0 12	11 52	1 25	22 17	0 55	8 12	0 49	22 9	0 39	4 44	13 10	0 38	0 15	18 21	16 41	3 6
S 24	8 40	4 35	1 31	4 18	2 42	6 50	0 16	5 7	0 11	11 51	1 25	22 17	0 55	8 13	0 49	22 9	0 39	4 45	13 9	0 38	0 16	18 20	16 41	3 6
S 25	8 18	8 25	2 37	4 45	2 50	7 21	0 19	5 23	0 10	11 50	1 26	22 17	0 55	8 14	0 49	22 9	0 39	4 46	13 9	0 37	0 17	18 20	16 41	3 7
M26	7 56	11 46	3 33	5 11	2 58	7 51	0 23	5 39	0 10	11 50	1 26	22 17	0 55	8 14	0 49	22 8	0 39	4 46	13 8	0 37	0 18	18 20	16 40	3 7
T 27	7 33	14 29	4 18	5 36	3 6	8 21	0 27	5 55	0 9	11 49	1 26	22 18	0 55	8 15	0 49	22 8	0 39	4 47	13 8	0 36	0 20	18 20	16 40	3 7
W28	7 11	16 31	4 51	5 59	3 13	8 51	0 31	6 11	0 8	11 48	1 26	22 18	0 55	8 16	0 49	22 8	0 39	4 48	13 7	0 36	0 21	18 20	16 40	3 8
T 29	6 49	17 47	5 10	6 19	3 20	9 21	0 34	6 27	0 8	11 47	1 26	22 18	0 54	8 17	0 49	22 8	0 39	4 49	13 7	0 36	0 22	18 20	16 40	3 8
F 30	6 26	18 16	5 16	6 38	3 26	9 51	0 38	6 44	0 7	11 46	1 27	22 18	0 54	8 18	0 49	22 8	0 39	4 49	13 6	0 36	0 23	18 20	16 39	3 8
S 31	6n 3	17n57	5s 8	6s54	3s32	10s20	0s42	7s 0	0n 6	11n45	1s27	22s19	0n54	8s19	0s49	22n 8	0s39	4s50	13n 6	0n37	0n25	18n19	16n39	3s 9

Julian Day Number = 2178563.5, Delta T = 11m42s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'02, Lahiri = 13°26'03 Julian Calendar 1 Aug. 1252 == Greg. Calendar 8 Aug. 1252

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ASTRODIENST EPHEMERIS for the year 1252
geocentric

SEPTEMBER 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 10 11	15♍39'04	23♋ 3	9♎34	26♎ 6	18♎41	4°R34	20♐45	10°R42	14♋12	18♏43	28°R26	28♍55	5♋10	27°R38	S 1
M 2	23 14 8	16°37'45	5♌ 7	9°51	27°16	19°22	4♉31	20°46	10♓40	14°13	18°44	28♍25	28°52	5°16	27♉37	M 2
T 3	23 18 4	17°36'29	17°22	10° 2	28°26	20° 2	4°28	20°48	10°38	14°14	18°45	28°23	28°49	5°23	27°37	T 3
W 4	23 22 1	18°35'15	29°50	10°R 7	29°36	20°43	4°24	20°49	10°35	14°16	18°47	28°22	28°45	5°30	27°37	W 4
T 5	23 25 57	19°34'03	12♍31	10° 5	0♏46	21°23	4°20	20°51	10°33	14°17	18°48	28°21	28°42	5°37	27°36	T 5
F 6	23 29 54	20°32'53	25°28	9°57	1°56	22° 4	4°17	20°53	10°30	14°18	18°50	28°D21	28°39	5°43	27°35	F 6
S 7	23 33 50	21°31'45	8♎39	9°42	3° 6	22°45	4°13	20°55	10°28	14°19	18°51	28°21	28°36	5°50	27°35	S 7
S 8	23 37 47	22°30'39	22° 4	9°19	4°16	23°26	4° 8	20°57	10°26	14°20	18°53	28°21	28°33	5°57	27°34	S 8
M 9	23 41 43	23°29'35	5♏42	8°49	5°25	24° 7	4° 4	20°59	10°23	14°21	18°54	28°22	28°30	6° 3	27°33	M 9
T 10	23 45 40	24°28'33	19°31	8°11	6°35	24°48	3°59	21° 1	10°21	14°22	18°56	28°22	28°26	6°10	27°32	T 10
W11	23 49 37	25°27'33	3♐29	7°26	7°44	25°29	3°55	21° 3	10°19	14°23	18°57	28°22	28°23	6°17	27°31	W11
T 12	23 53 33	26°26'35	17°35	6°34	8°54	26°10	3°50	21° 6	10°17	14°24	18°59	28°22	28°20	6°24	27°30	T 12
F 13	23 57 30	27°25'38	1♑47	5°36	10° 3	26°51	3°45	21° 8	10°14	14°25	19° 1	28°R22	28°17	6°30	27°29	F 13
S 14	0 1 26	28°24'43	16° 2	4°33	11°12	27°33	3°39	21°11	10°12	14°26	19° 2	28°D22	28°14	6°37	27°28	S 14
S 15	0 5 23	29°23'50	0♒18	3°26	12°21	28°14	3°34	21°13	10°10	14°27	19° 4	28°23	28°10	6°44	27°26	S 15
M16	0 9 19	0♎22'59	14°32	2°17	13°30	28°55	3°28	21°16	10° 8	14°28	19° 6	28°23	28° 7	6°51	27°25	M16
T 17	0 13 16	1°22'09	28°39	1° 7	14°39	29°37	3°23	21°19	10° 5	14°28	19° 7	28°23	28° 4	6°57	27°24	T 17
W18	0 17 12	2°21'21	12♓38	29♍58	15°48	0♏18	3°17	21°22	10° 3	14°29	19° 9	28°23	28° 1	7° 4	27°22	W18
T 19	0 21 9	3°20'36	26°24	28°53	16°56	1° 0	3°11	21°25	10° 1	14°30	19°11	28°R23	27°58	7°11	27°21	T 19
F 20	0 25 6	4°19'52	9♈54	27°52	18° 5	1°42	3° 5	21°28	9°59	14°31	19°13	28°23	27°55	7°17	27°19	F 20
S 21	0 29 2	5°19'10	23° 8	26°59	19°13	2°23	2°58	21°31	9°57	14°31	19°15	28°23	27°51	7°24	27°17	S 21
S 22	0 32 59	6°18'31	6♉ 4	26°13	20°22	3° 5	2°52	21°34	9°55	14°32	19°16	28°22	27°48	7°31	27°16	S 22
M23	0 36 55	7°17'54	18°42	25°37	21°30	3°47	2°45	21°38	9°53	14°32	19°18	28°21	27°45	7°38	27°14	M23
T 24	0 40 52	8°17'19	1♊ 4	25°11	22°38	4°29	2°39	21°41	9°51	14°33	19°20	28°19	27°42	7°44	27°12	T 24
W25	0 44 48	9°16'46	13°13	24°56	23°46	5°11	2°32	21°45	9°49	14°34	19°22	28°18	27°39	7°51	27°10	W25
T 26	0 48 45	10°16'16	25°12	24°D52	24°54	5°53	2°25	21°48	9°47	14°34	19°24	28°17	27°36	7°58	27° 8	T 26
F 27	0 52 41	11°15'48	7♋ 6	24°59	26° 2	6°35	2°18	21°52	9°45	14°35	19°26	28°D17	27°32	8° 4	27° 6	F 27
S 28	0 56 38	12°15'23	18°59	25°17	27° 9	7°17	2°10	21°56	9°43	14°35	19°28	28°17	27°29	8°11	27° 4	S 28
S 29	1 0 35	13°15'00	0♌55	25°45	28°17	8° 0	2° 3	22° 0	9°41	14°35	19°30	28°17	27°26	8°18	27° 2	S 29
M30	1 4 31	14♎14'39	13♌ 0	26♍22	29♏24	8♏42	1♉56	22♐ 4	9♓39	14♋36	19♏32	28♍19	27♍23	8♋25	27♉ 0	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n41	16n50	4s47	7s 8	3s37	10s50	0s46	7s16	0n 6	11n44	1s27	22s19	0n54	8s20	0s49	22n 8	0s39	4s51	13n 5	0n37	0n26	18n19	16n38	3s 9
M 2	5 18	14 58	4 14	7 19	3 42	11 19	0 50	7 32	0 5	11 43	1 27	22 19	0 54	8 21	0 49	22 7	0 39	4 52	13 5	0 38	0 27	18 19	16 38	3 9
T 3	4 55	12 23	3 28	7 27	3 46	11 48	0 54	7 48	0 4	11 41	1 27	22 19	0 54	8 22	0 49	22 7	0 39	4 53	13 5	0 39	0 29	18 19	16 38	3 10
W 4	4 32	9 13	2 31	7 31	3 49	12 16	0 57	8 4	0 4	11 40	1 27	22 20	0 53	8 23	0 49	22 7	0 39	4 53	13 4	0 39	0 30	18 19	16 37	3 10
T 5	4 9	5 33	1 27	7 32	3 50	12 45	1 1	8 20	0 3	11 39	1 28	22 20	0 53	8 24	0 49	22 7	0 39	4 54	13 4	0 40	0 31	18 19	16 37	3 10
F 6	3 46	1 34	0 16	7 30	3 51	13 13	1 5	8 36	0 2	11 37	1 28	22 20	0 53	8 24	0 49	22 7	0 39	4 55	13 3	0 40	0 32	18 18	16 36	3 10
S 7	3 22	2s34	0n57	7 23	3 51	13 40	1 9	8 51	0 2	11 36	1 28	22 20	0 53	8 25	0 49	22 7	0 39	4 56	13 3	0 40	0 34	18 18	16 36	3 11
S 8	2 59	6 39	2 8	7 12	3 49	14 8	1 13	9 7	0 1	11 34	1 28	22 21	0 53	8 26	0 49	22 7	0 39	4 57	13 2	0 39	0 35	18 18	16 35	3 11
M 9	2 36	10 27	3 13	6 57	3 45	14 35	1 17	9 23	0 0	11 32	1 28	22 21	0 53	8 27	0 49	22 7	0 39	4 57	13 2	0 39	0 36	18 18	16 35	3 11
T 10	2 12	13 43	4 7	6 37	3 40	15 2	1 21	9 39	0s 0	11 31	1 28	22 21	0 52	8 28	0 49	22 6	0 39	4 58	13 1	0 39	0 37	18 18	16 34	3 12
W11	1 49	16 13	4 48	6 13	3 33	15 29	1 25	9 55	0 1	11 29	1 28	22 22	0 52	8 29	0 49	22 6	0 39	4 59	13 1	0 39	0 39	18 18	16 34	3 12
T 12	1 25	17 47	5 12	5 44	3 24	15 55	1 28	10 10	0 2	11 27	1 29	22 22	0 52	8 30	0 49	22 6	0 39	5 0	13 1	0 39	0 40	18 17	16 33	3 12
F 13	1 2	18 15	5 17	5 12	3 13	16 21	1 32	10 26	0 2	11 25	1 29	22 22	0 52	8 30	0 49	22 6	0 39	5 1	13 0	0 39	0 41	18 17	16 33	3 13
S 14	0 38	17 34	5 2	4 35	3 1	16 46	1 36	10 41	0 3	11 24	1 29	22 23	0 52	8 31	0 49	22 6	0 39	5 2	13 0	0 39	0 42	18 17	16 32	3 13
S 15	0 14	15 47	4 29	3 55	2 46	17 11	1 40	10 57	0 4	11 22	1 29	22 23	0 52	8 32	0 49	22 6	0 39	5 2	12 59	0 39	0 44	18 17	16 32	3 13
M16	0s 9	13 2	3 40	3 12	2 30	17 36	1 44	11 12	0 4	11 20	1 29	22 23	0 51	8 33	0 49	22 6	0 39	5 3	12 59	0 39	0 45	18 17	16 31	3 14
T 17	0 33	9 32	2 38	2 28	2 12	18 0	1 47	11 28	0 5	11 18	1 29	22 24	0 51	8 34	0 49	22 6	0 39	5 4	12 59	0 39	0 46	18 16	16 31	3 14
W18	0 56	5 31	1 26	1 43	1 53	18 24	1 51	11 43	0 6	11 15	1 29	22 24	0 51	8 35	0 49	22 6	0 39	5 5	12 58	0 39	0 48	18 16	16 30	3 14
T 19	1 20	1 16	0 11	0 59	1 33	18 48	1 55	11 58	0 6	11 13	1 29	22 24	0 51	8 35	0 48	22 6	0 39	5 6	12 58	0 39	0 49	18 16	16 29	3 14
F 20	1 44	2n58	1s 3	0 16	1 13	19 11	1 59	12 13	0 7	11 11	1 30	22 25	0 51	8 36	0 48	22 5	0 39	5 7	12 57	0 39	0 50	18 16	16 29	3 15
S 21	2 7	6 58	2 13	0n24	0 52	19 34	2 2	12 28	0 8	11 9	1 30	22 25	0 51	8 37	0 48	22 5	0 39	5 7	12 57	0 39	0 51	18 16	16 28	3 15
S 22	2 31	10 33	3 14	1 1	0 32	19 56	2 6	12 43	0 8	11 7	1 30	22 25	0 51	8 38	0 48	22 5	0 39	5 8	12 57	0 39	0 53	18 15	16 27	3 15
M23	2 54	13 33	4 4	1 33	0 12	20 18	2 10	12 58	0 9	11 4	1 30	22 26	0 50	8 39	0 48	22 5	0 39	5 9	12 56	0 40	0 54	18 15	16 27	3 16
T 24	3 18	15 52	4 41	2 1	0n 6	20 39	2 13	13 13	0 10	11 2	1 30	22 26	0 50	8 39	0 48	22 5	0 39	5 10	12 56	0 40	0 55	18 15	16 26	3 16
W25	3 42	17 25	5 6	2 23	0 24	21 0	2 17	13 28	0 10	10 59	1 30	22 27	0 50	8 40	0 48	22 5	0 39	5 11	12 56	0 41	0 56	18 15	16 25	3 16
T 26	4 5	18 11	5 16	2 40	0 41	21 20	2 20	13 42	0 11	10 57	1 30	22 27	0 50	8 41	0 48	22 5	0 39	5 11	12 55	0 41	0 58	18 14	16 25	3 16
F 27	4 28	18 8	5 13	2 51	0 55	21 40	2 24	13 57	0 11	10 55	1 30	22 27	0 50	8 41	0 48	22 5	0 39	5 12	12 55	0 41	0 59	18 14	16 24	3 17
S 28	4 52	17 18	4 56	2 56	1 9	21 59	2 27	14 11	0 12	10 52	1 30	22 28	0 50	8 42	0 48	22 5	0 39	5 13	12 55	0 41	1 0	18 14	16 23	3 17
S 29	5 15	15 42	4 27	2 56	1 21	22 18	2 30	14 26	0 13	10 49	1 30	22 28	0 50	8 43	0 48	22 5	0 39	5 14	12 54	0 41	1 1	18 14	16 22	3 17
M30	5s38	13n23	3s45	2n51	1n31	22s36	2s33	14s40	0s13	10n47	1s30	22s28	0n49	8s44	0s48	22n 5	0s39	5s15	12n54	0n40	1n 3	18n13	16n22	3s17

Julian Day Number = 2178594.5, Delta T = 11m41s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'07, Lahiri = 13°26'07 Julian Calendar 1 Sept. 1252 == Greg. Calendar 8 Sept. 1252

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ASTRODIENST EPHEMERIS for the year 1252
geocentric

OCTOBER 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 8 28	15♎14'20	25♌18	27♍ 8	0♐31	9♏24	1°R48	22♐ 8	9°R37	14♋36	19♏34	28♍20	27♍20	8♋31	26°R58	T 1
W 2	1 12 24	16°14'03	7♍52	28° 2	1°38	10° 7	1♉41	22°12	9♓35	14°36	19°36	28°21	27°16	8°38	26♉56	W 2
T 3	1 16 21	17°13'49	20°45	29° 3	2°45	10°49	1°33	22°16	9°34	14°37	19°38	28°22	27°13	8°45	26°53	T 3
F 4	1 20 17	18°13'37	3♎58	0♎10	3°52	11°32	1°25	22°20	9°32	14°37	19°40	28°R22	27°10	8°52	26°51	F 4
S 5	1 24 14	19°13'27	17°32	1°22	4°58	12°15	1°18	22°24	9°30	14°37	19°42	28°21	27° 7	8°58	26°49	S 5
S 6	1 28 10	20°13'19	1♏24	2°39	6° 5	12°57	1°10	22°29	9°29	14°37	19°45	28°19	27° 4	9° 5	26°46	S 6
M 7	1 32 7	21°13'13	15°30	4° 1	7°11	13°40	1° 2	22°33	9°27	14°37	19°47	28°16	27° 1	9°12	26°44	M 7
T 8	1 36 3	22°13'08	29°47	5°25	8°17	14°23	0°54	22°38	9°25	14°37	19°49	28°13	26°57	9°18	26°41	T 8
W 9	1 40 0	23°13'06	14♐10	6°53	9°23	15° 6	0°46	22°42	9°24	14°38	19°51	28°10	26°54	9°25	26°38	W 9
T 10	1 43 57	24°13'05	28°32	8°23	10°29	15°49	0°38	22°47	9°22	14°R38	19°53	28° 7	26°51	9°32	26°36	T 10
F 11	1 47 53	25°13'06	12♑51	9°55	11°34	16°32	0°30	22°52	9°21	14°38	19°55	28° 5	26°48	9°39	26°33	F 11
S 12	1 51 50	26°13'09	27° 3	11°28	12°39	17°15	0°22	22°57	9°19	14°37	19°58	28°D 4	26°45	9°45	26°30	S 12
S 13	1 55 46	27°13'13	11♒ 6	13° 3	13°44	17°58	0°13	23° 2	9°18	14°37	20° 0	28° 5	26°41	9°52	26°27	S 13
M14	1 59 43	28°13'19	24°59	14°39	14°49	18°41	0° 5	23° 6	9°17	14°37	20° 2	28° 6	26°38	9°59	26°25	M14
T 15	2 3 39	29°13'26	8♓41	16°15	15°54	19°24	29♈57	23°12	9°15	14°37	20° 4	28° 8	26°35	10° 5	26°22	T 15
W16	2 7 36	0♏13'35	22°11	17°52	16°58	20° 8	29°49	23°17	9°14	14°37	20° 7	28°R 9	26°32	10°12	26°19	W16
T 17	2 11 32	1°13'45	5♈31	19°30	18° 2	20°51	29°41	23°22	9°13	14°37	20° 9	28° 9	26°29	10°19	26°16	T 17
F 18	2 15 29	2°13'57	18°39	21° 8	19° 6	21°34	29°33	23°27	9°12	14°36	20°11	28° 7	26°26	10°26	26°13	F 18
S 19	2 19 26	3°14'11	1♉34	22°45	20°10	22°18	29°25	23°32	9°11	14°36	20°14	28° 4	26°22	10°32	26°10	S 19
S 20	2 23 22	4°14'27	14°16	24°23	21°13	23° 1	29°16	23°38	9°10	14°36	20°16	27°58	26°19	10°39	26° 7	S 20
M21	2 27 19	5°14'45	26°46	26° 1	22°16	23°45	29° 8	23°43	9° 9	14°36	20°18	27°52	26°16	10°46	26° 4	M21
T 22	2 31 15	6°15'04	9♊ 3	27°39	23°18	24°29	29° 0	23°48	9° 8	14°35	20°21	27°45	26°13	10°52	26° 1	T 22
W23	2 35 12	7°15'26	21° 9	29°17	24°21	25°12	28°52	23°54	9° 7	14°35	20°23	27°38	26°10	10°59	25°57	W23
T 24	2 39 8	8°15'49	3♋ 7	0♏54	25°23	25°56	28°44	24° 0	9° 6	14°34	20°25	27°31	26° 7	11° 6	25°54	T 24
F 25	2 43 5	9°16'14	15° 0	2°31	26°25	26°40	28°36	24° 5	9° 5	14°34	20°28	27°26	26° 3	11°13	25°51	F 25
S 26	2 47 1	10°16'41	26°51	4° 8	27°26	27°24	28°29	24°11	9° 4	14°33	20°30	27°23	26° 0	11°19	25°48	S 26
S 27	2 50 58	11°17'10	8♌45	5°45	28°27	28° 8	28°21	24°17	9° 3	14°33	20°32	27°D22	25°57	11°26	25°45	S 27
M28	2 54 55	12°17'41	20°48	7°22	29°28	28°52	28°13	24°22	9° 3	14°32	20°35	27°22	25°54	11°33	25°41	M28
T 29	2 58 51	13°18'13	3♍ 3	8°58	0♑28	29°36	28° 6	24°28	9° 2	14°32	20°37	27°24	25°51	11°39	25°38	T 29
W30	3 2 48	14°18'48	15°36	10°34	1°28	0♐20	27°58	24°34	9° 1	14°31	20°39	27°25	25°47	11°46	25°35	W30
T 31	3 6 44	15♏19'24	28♍32	12♏10	2♑28	1♐ 4	27♈51	24♐40	9♓ 1	14♋30	20♏42	27°R26	25♍44	11♋53	25♉31	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6 s 1	10n26	2 s53	2n40	1n40	22 s53	2 s37	14 s54	0 s14	10n44	1 s30	22 s29	0n49	8 s44	0 s48	22n 5	0 s39	5 s16	12n54	0n40	1n 4	18n13	16n21	3 s18
W 2	6 25	6 56	1 51	2 26	1 47	23 11	2 40	15 8	0 15	10 42	1 30	22 29	0 49	8 45	0 48	22 5	0 39	5 16	12 53	0 39	1 5	18 13	16 20	3 18
T 3	6 48	3 2	0 42	2 7	1 53	23 27	2 43	15 22	0 15	10 39	1 30	22 30	0 49	8 46	0 48	22 5	0 39	5 17	12 53	0 39	1 7	18 13	16 19	3 18
F 4	7 10	1 s 7	0n31	1 44	1 58	23 43	2 46	15 36	0 16	10 36	1 30	22 30	0 49	8 46	0 48	22 5	0 39	5 18	12 53	0 39	1 8	18 12	16 19	3 19
S 5	7 33	5 19	1 44	1 19	2 1	23 58	2 49	15 50	0 16	10 34	1 30	22 30	0 49	8 47	0 48	22 5	0 39	5 19	12 52	0 39	1 9	18 12	16 18	3 19
S 6	7 56	9 19	2 52	0 50	2 4	24 13	2 51	16 4	0 17	10 31	1 30	22 31	0 49	8 47	0 48	22 5	0 39	5 20	12 52	0 40	1 10	18 12	16 17	3 19
M 7	8 19	12 52	3 51	0 19	2 5	24 27	2 54	16 17	0 18	10 28	1 30	22 31	0 48	8 48	0 48	22 4	0 39	5 21	12 52	0 41	1 12	18 12	16 16	3 19
T 8	8 41	15 41	4 36	0 s15	2 5	24 41	2 57	16 31	0 18	10 25	1 30	22 31	0 48	8 49	0 48	22 4	0 39	5 21	12 52	0 43	1 13	18 11	16 15	3 20
W 9	9 3	17 33	5 4	0 50	2 5	24 54	2 59	16 44	0 19	10 23	1 30	22 32	0 48	8 49	0 48	22 4	0 39	5 22	12 51	0 44	1 14	18 11	16 14	3 20
T 10	9 26	18 18	5 14	1 27	2 3	25 6	3 2	16 57	0 20	10 20	1 30	22 32	0 48	8 50	0 48	22 4	0 39	5 23	12 51	0 45	1 15	18 11	16 14	3 20
F 11	9 48	17 53	5 3	2 5	2 1	25 18	3 4	17 10	0 20	10 17	1 30	22 33	0 48	8 50	0 48	22 4	0 39	5 24	12 51	0 46	1 17	18 11	16 13	3 20
S 12	10 10	16 20	4 35	2 44	1 59	25 29	3 7	17 23	0 21	10 14	1 30	22 33	0 48	8 51	0 48	22 4	0 39	5 25	12 51	0 46	1 18	18 10	16 12	3 20
S 13	10 31	13 50	3 50	3 24	1 55	25 40	3 9	17 36	0 21	10 11	1 30	22 33	0 48	8 51	0 48	22 4	0 39	5 25	12 50	0 46	1 19	18 10	16 11	3 21
M14	10 53	10 33	2 52	4 5	1 52	25 50	3 11	17 48	0 22	10 9	1 30	22 34	0 47	8 52	0 48	22 4	0 40	5 26	12 50	0 45	1 20	18 10	16 10	3 21
T 15	11 14	6 44	1 45	4 46	1 47	25 59	3 13	18 1	0 23	10 6	1 30	22 34	0 47	8 52	0 48	22 4	0 40	5 27	12 50	0 45	1 22	18 10	16 9	3 21
W16	11 36	2 37	0 33	5 27	1 43	26 8	3 15	18 13	0 23	10 3	1 30	22 35	0 47	8 53	0 48	22 4	0 40	5 28	12 50	0 44	1 23	18 9	16 8	3 21
T 17	11 57	1n35	0 s40	6 9	1 38	26 15	3 17	18 25	0 24	10 0	1 30	22 35	0 47	8 53	0 48	22 4	0 40	5 28	12 49	0 44	1 24	18 9	16 8	3 22
F 18	12 18	5 39	1 49	6 51	1 33	26 23	3 18	18 37	0 24	9 57	1 30	22 35	0 47	8 53	0 48	22 4	0 40	5 29	12 49	0 45	1 26	18 9	16 7	3 22
S 19	12 38	9 23	2 52	7 32	1 27	26 29	3 20	18 49	0 25	9 55	1 29	22 36	0 47	8 54	0 48	22 4	0 40	5 30	12 49	0 46	1 27	18 8	16 6	3 22
S 20	12 59	12 36	3 45	8 14	1 21	26 35	3 21	19 1	0 26	9 52	1 29	22 36	0 47	8 54	0 48	22 5	0 40	5 31	12 49	0 49	1 28	18 8	16 5	3 22
M21	13 19	15 12	4 26	8 55	1 15	26 41	3 23	19 12	0 26	9 49	1 29	22 37	0 47	8 54	0 48	22 5	0 40	5 31	12 49	0 51	1 29	18 8	16 4	3 22
T 22	13 39	17 4	4 53	9 36	1 9	26 45	3 24	19 24	0 27	9 46	1 29	22 37	0 46	8 55	0 48	22 5	0 40	5 32	12 49	0 54	1 31	18 7	16 3	3 23
W23	13 59	18 7	5 8	10 17	1 3	26 49	3 25	19 35	0 27	9 44	1 29	22 37	0 46	8 55	0 48	22 5	0 40	5 33	12 48	0 57	1 32	18 7	16 2	3 23
T 24	14 19	18 22	5 8	10 57	0 56	26 53	3 26	19 46	0 28	9 41	1 29	22 38	0 46	8 55	0 48	22 5	0 40	5 34	12 48	0 59	1 33	18 7	16 1	3 23
F 25	14 38	17 48	4 55	11 37	0 50	26 55	3 26	19 57	0 28	9 38	1 29	22 38	0 46	8 56	0 47	22 5	0 40	5 34	12 48	1 1	1 34	18 6	16 0	3 23
S 26	14 58	16 27	4 30	12 16	0 43	26 58	3 27	20 8	0 29	9 36	1 29	22 38	0 46	8 56	0 47	22 5	0 40	5 35	12 48	1 3	1 36	18 6	15 59	3 23
S 27	15 17	14 24	3 53	12 55	0 37	26 59	3 28	20 18	0 30	9 33	1 28	22 39	0 46	8 56	0 47	22 5	0 40	5 36	12 48	1 3	1 37	18 6	15 58	3 23
M28	15 35	11 42	3 5	13 33	0 30	27 0	3 28	20 29	0 30	9 31	1 28	22 39	0 46	8 57	0 47	22 5	0 40	5 37	12 48	1 3	1 38	18 6	15 58	3 24
T 29	15 54	8 26	2 8	14 11	0 23	27 0	3 28	20 39	0 31	9 28	1 28	22 40	0 46	8 57	0 47	22 5	0 40	5 37	12 47	1 2	1 39	18 5	15 57	3 24
W30	16 12	4 43	1 3	14 47	0 16	26 59	3 28	20 49	0 31	9 25	1 28	22 40	0 45	8 57	0 47	22 5	0 40	5 38	12 47	1 2	1 41	18 5	15 56	3 24
T 31	16 s30	0n41	0n 6	15 s24	0n10	26 s58	3 s28	20 s58	0 s32	9n23	1 s28	22 s40	0n45	8 s57	0 s47	22n 5	0 s40	5 s39	12n47	1n 2	1n42	18n 5	15n55	3 s24

Julian Day Number = 2178624.5, Delta T = 11m41s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'11, Lahiri = 13°26'11 Julian Calendar 1 Oct. 1252 == Greg. Calendar 8 Oct. 1252

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ASTRODIENST EPHEMERIS for the year 1252
geocentric

NOVEMBER 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 10 41	16♏20'02	11♎52	13♏46	3♑27	1♐49	27°R43	24♐46	9°R 0	14°R30	20♏44	27°R25	25♍41	12♋ 0	25°R28	F 1
S 2	3 14 37	17°20'42	25°39	15°21	4°25	2°33	27♈36	24°52	9♓ 0	14♋29	20°47	27♍21	25°38	12° 6	25♉25	S 2
S 3	3 18 34	18°21'23	9♏51	16°57	5°24	3°17	27°29	24°58	8°59	14°28	20°49	27°16	25°35	12°13	25°21	S 3
M 4	3 22 30	19°22'06	24°23	18°32	6°21	4° 2	27°22	25° 5	8°59	14°27	20°51	27° 8	25°32	12°20	25°18	M 4
T 5	3 26 27	20°22'50	9♐ 9	20° 7	7°19	4°46	27°15	25°11	8°59	14°26	20°54	27° 0	25°28	12°27	25°14	T 5
W 6	3 30 24	21°23'35	24° 0	21°41	8°16	5°31	27° 8	25°17	8°58	14°26	20°56	26°51	25°25	12°33	25°11	W 6
T 7	3 34 20	22°24'22	8♑48	23°16	9°12	6°15	27° 1	25°23	8°58	14°25	20°58	26°43	25°22	12°40	25° 8	T 7
F 8	3 38 17	23°25'10	23°26	24°50	10° 8	7° 0	26°55	25°30	8°58	14°24	21° 1	26°37	25°19	12°47	25° 4	F 8
S 9	3 42 13	24°25'59	7♒48	26°24	11° 3	7°45	26°48	25°36	8°58	14°23	21° 3	26°34	25°16	12°53	25° 1	S 9
S 10	3 46 10	25°26'48	21°52	27°59	11°57	8°30	26°42	25°42	8°58	14°22	21° 6	26°D33	25°13	13° 0	24°57	S 10
M11	3 50 6	26°27'39	5♓37	29°33	12°51	9°14	26°36	25°49	8°D58	14°21	21° 8	26°33	25° 9	13° 7	24°54	M11
T 12	3 54 3	27°28'30	19° 4	1♐ 7	13°44	9°59	26°30	25°55	8°58	14°20	21°10	26°33	25° 6	13°14	24°51	T 12
W13	3 57 59	28°29'22	2♈15	2°41	14°37	10°44	26°24	26° 2	8°58	14°19	21°13	26°R34	25° 3	13°20	24°47	W13
T 14	4 1 56	29°30'15	15°13	4°14	15°29	11°29	26°19	26° 8	8°58	14°18	21°15	26°32	25° 0	13°27	24°44	T 14
F 15	4 5 53	0♐31'09	27°59	5°48	16°20	12°14	26°13	26°15	8°58	14°17	21°17	26°28	24°57	13°34	24°40	F 15
S 16	4 9 49	1°32'04	10♉35	7°22	17°10	12°59	26° 8	26°22	8°59	14°15	21°20	26°20	24°53	13°40	24°37	S 16
S 17	4 13 46	2°33'00	23° 1	8°56	18° 0	13°44	26° 3	26°28	8°59	14°14	21°22	26°10	24°50	13°47	24°34	S 17
M18	4 17 42	3°33'57	5♊18	10°30	18°48	14°29	25°58	26°35	8°59	14°13	21°25	25°58	24°47	13°54	24°30	M18
T 19	4 21 39	4°34'55	17°27	12° 3	19°36	15°15	25°53	26°42	9° 0	14°12	21°27	25°45	24°44	14° 1	24°27	T 19
W20	4 25 35	5°35'54	29°28	13°37	20°23	16° 0	25°48	26°48	9° 0	14°11	21°29	25°32	24°41	14° 7	24°24	W20
T 21	4 29 32	6°36'54	11♋23	15°11	21° 9	16°45	25°44	26°55	9° 1	14° 9	21°32	25°19	24°38	14°14	24°20	T 21
F 22	4 33 28	7°37'55	23°14	16°45	21°54	17°31	25°40	27° 2	9° 1	14° 8	21°34	25° 9	24°34	14°21	24°17	F 22
S 23	4 37 25	8°38'57	5♌ 4	18°19	22°38	18°16	25°36	27° 9	9° 2	14° 7	21°36	25° 1	24°31	14°27	24°14	S 23
S 24	4 41 22	9°40'00	16°56	19°52	23°21	19° 2	25°32	27°16	9° 2	14° 6	21°38	24°56	24°28	14°34	24°10	S 24
M25	4 45 18	10°41'04	28°55	21°26	24° 3	19°47	25°28	27°22	9° 3	14° 4	21°41	24°54	24°25	14°41	24° 7	M25
T 26	4 49 15	11°42'09	11♍ 6	23° 0	24°44	20°33	25°24	27°29	9° 4	14° 3	21°43	24°D53	24°22	14°48	24° 4	T 26
W27	4 53 11	12°43'14	23°34	24°34	25°23	21°18	25°21	27°36	9° 5	14° 1	21°45	24°R53	24°18	14°54	24° 1	W27
T 28	4 57 8	13°44'21	6♎24	26° 7	26° 1	22° 4	25°18	27°43	9° 6	14° 0	21°48	24°53	24°15	15° 1	23°57	T 28
F 29	5 1 4	14°45'29	19°41	27°41	26°38	22°50	25°15	27°50	9° 7	13°59	21°50	24°51	24°12	15° 8	23°54	F 29
S 30	5 5 1	15♐46'37	3♏28	29♐14	27♑14	23♐35	25♈12	27♐57	9♓ 8	13♋57	21♏52	24♍46	24♍ 9	15♋14	23♉51	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s47	3s32	1n17	15s59	0n 3	26s57	3s27	21s 8	0s32	9n20	1s28	22s41	0n45	8s57	0s47	22n 5	0s40	5s39	12n47	1n 2	1n43	18n 4	15n54	3s24
S 2	17 5	7 41	2 26	16 34	0s 4	26 54	3 27	21 17	0 33	9 18	1 27	22 41	0 45	8 57	0 47	22 5	0 40	5 40	12 47	1 3	1 45	18 4	15 53	3 24
S 3	17 22	11 32	3 28	17 8	0 10	26 51	3 26	21 27	0 34	9 16	1 27	22 41	0 45	8 58	0 47	22 5	0 40	5 41	12 47	1 6	1 46	18 4	15 52	3 25
M 4	17 38	14 47	4 17	17 41	0 17	26 48	3 25	21 36	0 34	9 13	1 27	22 42	0 45	8 58	0 47	22 5	0 40	5 41	12 47	1 9	1 47	18 3	15 51	3 25
T 5	17 55	17 7	4 51	18 13	0 23	26 44	3 24	21 44	0 35	9 11	1 27	22 42	0 45	8 58	0 47	22 5	0 40	5 42	12 47	1 12	1 48	18 3	15 50	3 25
W 6	18 11	18 19	5 5	18 44	0 30	26 39	3 23	21 53	0 35	9 9	1 27	22 42	0 45	8 58	0 47	22 5	0 40	5 43	12 47	1 15	1 50	18 2	15 49	3 25
T 7	18 27	18 16	4 59	19 15	0 36	26 34	3 21	22 1	0 36	9 7	1 26	22 43	0 45	8 58	0 47	22 6	0 40	5 43	12 47	1 19	1 51	18 2	15 48	3 25
F 8	18 42	17 0	4 33	19 44	0 43	26 28	3 20	22 10	0 36	9 4	1 26	22 43	0 44	8 58	0 47	22 6	0 40	5 44	12 47	1 21	1 52	18 2	15 47	3 25
S 9	18 57	14 41	3 50	20 13	0 49	26 22	3 18	22 18	0 37	9 2	1 26	22 43	0 44	8 58	0 47	22 6	0 40	5 45	12 47	1 22	1 53	18 1	15 46	3 25
S 10	19 12	11 31	2 54	20 41	0 55	26 15	3 16	22 25	0 37	9 0	1 26	22 44	0 44	8 58	0 47	22 6	0 40	5 45	12 46	1 23	1 55	18 1	15 46	3 25
M11	19 26	7 48	1 50	21 7	1 1	26 7	3 14	22 33	0 38	8 58	1 25	22 44	0 44	8 58	0 47	22 6	0 40	5 46	12 46	1 23	1 56	18 1	15 45	3 25
T 12	19 40	3 44	0 40	21 33	1 7	25 59	3 11	22 40	0 38	8 56	1 25	22 44	0 44	8 58	0 47	22 6	0 40	5 47	12 46	1 22	1 57	18 0	15 44	3 26
W13	19 54	0n26	0s30	21 57	1 12	25 51	3 8	22 47	0 39	8 55	1 25	22 44	0 44	8 58	0 47	22 6	0 40	5 47	12 46	1 22	1 58	18 0	15 43	3 26
T 14	20 7	4 31	1 38	22 21	1 18	25 42	3 5	22 54	0 39	8 53	1 25	22 45	0 44	8 58	0 47	22 6	0 40	5 48	12 46	1 23	2 0	18 0	15 42	3 26
F 15	20 20	8 19	2 39	22 43	1 23	25 33	3 2	23 0	0 40	8 51	1 24	22 45	0 44	8 57	0 47	22 6	0 40	5 48	12 46	1 25	2 1	17 59	15 41	3 26
S 16	20 33	11 42	3 32	23 4	1 28	25 23	2 59	23 7	0 40	8 49	1 24	22 45	0 44	8 57	0 47	22 6	0 40	5 49	12 46	1 28	2 2	17 59	15 40	3 26
S 17	20 45	14 31	4 13	23 25	1 33	25 13	2 55	23 13	0 41	8 48	1 24	22 46	0 44	8 57	0 47	22 7	0 40	5 50	12 46	1 32	2 4	17 58	15 39	3 26
M18	20 57	16 38	4 42	23 43	1 38	25 2	2 51	23 19	0 41	8 46	1 24	22 46	0 43	8 57	0 47	22 7	0 40	5 50	12 46	1 36	2 5	17 58	15 38	3 26
T 19	21 8	17 59	4 58	24 1	1 42	24 51	2 47	23 24	0 42	8 45	1 23	22 46	0 43	8 57	0 46	22 7	0 40	5 51	12 46	1 42	2 6	17 58	15 38	3 26
W20	21 19	18 31	5 1	24 17	1 47	24 39	2 43	23 30	0 42	8 43	1 23	22 46	0 43	8 57	0 46	22 7	0 40	5 51	12 46	1 47	2 7	17 57	15 37	3 26
T 21	21 30	18 14	4 50	24 32	1 51	24 28	2 38	23 35	0 43	8 42	1 23	22 47	0 43	8 56	0 46	22 7	0 40	5 52	12 46	1 52	2 9	17 57	15 36	3 26
F 22	21 40	17 9	4 26	24 46	1 54	24 15	2 33	23 40	0 43	8 41	1 22	22 47	0 43	8 56	0 46	22 7	0 40	5 52	12 47	1 56	2 10	17 56	15 35	3 26
S 23	21 50	15 20	3 52	24 59	1 58	24 3	2 28	23 44	0 44	8 39	1 22	22 47	0 43	8 56	0 46	22 7	0 40	5 53	12 47	1 59	2 11	17 56	15 34	3 26
S 24	21 59	12 51	3 7	25 10	2 1	23 50	2 22	23 49	0 44	8 38	1 22	22 47	0 43	8 56	0 46	22 7	0 40	5 53	12 47	2 1	2 12	17 56	15 33	3 26
M25	22 8	9 49	2 13	25 19	2 4	23 37	2 16	23 53	0 45	8 37	1 22	22 48	0 43	8 55	0 46	22 8	0 40	5 54	12 47	2 2	2 14	17 55	15 32	3 26
T 26	22 17	6 19	1 12	25 27	2 7	23 24	2 10	23 57	0 45	8 36	1 21	22 48	0 43	8 55	0 46	22 8	0 40	5 54	12 47	2 2	2 15	17 55	15 32	3 26
W27	22 25	2 28	0 7	25 34	2 9	23 10	2 3	24 0	0 46	8 35	1 21	22 48	0 43	8 55	0 46	22 8	0 40	5 55	12 47	2 2	2 16	17 54	15 31	3 26
T 28	22 32	1s37	1n 1	25 39	2 11	22 56	1 57	24 4	0 46	8 34	1 21	22 48	0 43	8 54	0 46	22 8	0 40	5 55	12 47	2 2	2 17	17 54	15 30	3 26
F 29	22 40	5 46	2 7	25 43	2 12	22 42	1 49	24 7	0 47	8 34	1 20	22 48	0 42	8 54	0 46	22 8	0 40	5 56	12 47	2 3	2 19	17 54	15 29	3 26
S 30	22s46	9s46	3n 9	25s45	2s13	22s28	1s42	24s10	0s47	8n33	1s20	22s49	0n42	8s53	0s46	22n 8	0s40	5s56	12n47	2n 5	2n20	17n53	15n29	3s26

Julian Day Number = 2178655.5, Delta T = 11m41s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'15, Lahiri = 13°26'15 Julian Calendar 1 Nov. 1252 == Greg. Calendar 8 Nov. 1252

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ASTRODIENST EPHEMERIS for the year 1252
geocentric

DECEMBER 1252 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 8 57	16♐47'46	17♏44	0♑47	27♑48	24♐21	25°R10	28♐ 4	9♓ 9	13°R56	21♏54	24°R39	24♍ 6	15♋21	23°R48	S 1
M 2	5 12 54	17°48'56	2♐28	2°19	28°21	25° 7	25♈ 8	28°11	9°10	13♋54	21°56	24♍29	24° 3	15°28	23♉45	M 2
T 3	5 16 51	18°50'07	17°31	3°51	28°53	25°53	25° 6	28°18	9°11	13°53	21°59	24°17	23°59	15°35	23°42	T 3
W 4	5 20 47	19°51'18	2♑44	5°23	29°22	26°39	25° 4	28°25	9°12	13°51	22° 1	24° 5	23°56	15°41	23°39	W 4
T 5	5 24 44	20°52'29	17°56	6°54	29°50	27°25	25° 2	28°32	9°13	13°50	22° 3	23°55	23°53	15°48	23°36	T 5
F 6	5 28 40	21°53'41	2♒56	8°24	0♒17	28°11	25° 0	28°39	9°14	13°48	22° 5	23°46	23°50	15°55	23°33	F 6
S 7	5 32 37	22°54'53	17°37	9°52	0°42	28°57	24°59	28°46	9°16	13°47	22° 7	23°40	23°47	16° 1	23°30	S 7
S 8	5 36 33	23°56'04	1♓54	11°20	1° 4	29°43	24°58	28°53	9°17	13°45	22° 9	23°37	23°44	16° 8	23°27	S 8
M 9	5 40 30	24°57'15	15°45	12°46	1°25	0♑29	24°57	29° 0	9°18	13°44	22°12	23°36	23°40	16°15	23°25	M 9
T 10	5 44 26	25°58'27	29°12	14°10	1°44	1°15	24°57	29° 7	9°20	13°42	22°14	23°36	23°37	16°22	23°22	T 10
W11	5 48 23	26°59'38	12♈16	15°31	2° 1	2° 1	24°56	29°14	9°21	13°40	22°16	23°36	23°34	16°28	23°19	W11
T 12	5 52 20	28° 0'49	25° 3	16°50	2°16	2°48	24°56	29°22	9°23	13°39	22°18	23°33	23°31	16°35	23°17	T 12
F 13	5 56 16	29° 1'59	7♉36	18° 6	2°28	3°34	24°D56	29°29	9°25	13°37	22°20	23°28	23°28	16°42	23°14	F 13
S 14	6 0 13	0♑ 3'10	19°57	19°18	2°39	4°20	24°56	29°36	9°26	13°35	22°22	23°21	23°24	16°48	23°11	S 14
S 15	6 4 9	1° 4'21	2♊ 9	20°25	2°47	5° 7	24°57	29°43	9°28	13°34	22°24	23°10	23°21	16°55	23° 9	S 15
M16	6 8 6	2° 5'31	14°14	21°27	2°53	5°53	24°57	29°50	9°30	13°32	22°26	22°56	23°18	17° 2	23° 6	M16
T 17	6 12 2	3° 6'41	26°14	22°24	2°56	6°39	24°58	29°57	9°31	13°31	22°28	22°42	23°15	17° 9	23° 4	T 17
W18	6 15 59	4° 7'51	8♋ 9	23°13	2°R57	7°26	24°59	0♑ 4	9°33	13°29	22°30	22°27	23°12	17°15	23° 2	W18
T 19	6 19 55	5° 9'01	20° 2	23°55	2°55	8°12	25° 0	0°11	9°35	13°27	22°31	22°13	23° 9	17°22	22°59	T 19
F 20	6 23 52	6°10'11	1♌53	24°29	2°51	8°59	25° 2	0°18	9°37	13°25	22°33	22° 2	23° 5	17°29	22°57	F 20
S 21	6 27 49	7°11'20	13°44	24°53	2°44	9°45	25° 3	0°25	9°39	13°24	22°35	21°53	23° 2	17°35	22°55	S 21
S 22	6 31 45	8°12'30	25°37	25° 7	2°35	10°32	25° 5	0°32	9°41	13°22	22°37	21°47	22°59	17°42	22°53	S 22
M23	6 35 42	9°13'39	7♍37	25°R 9	2°24	11°19	25° 7	0°39	9°43	13°20	22°39	21°44	22°56	17°49	22°51	M23
T 24	6 39 38	10°14'48	19°47	25° 1	2° 9	12° 5	25°10	0°46	9°45	13°19	22°41	21°D43	22°53	17°56	22°49	T 24
W25	6 43 35	11°15'57	2♎12	24°40	1°53	12°52	25°12	0°53	9°47	13°17	22°42	21°43	22°50	18° 2	22°47	W25
T 26	6 47 31	12°17'06	14°57	24° 8	1°34	13°39	25°15	1° 0	9°49	13°15	22°44	21°R43	22°46	18° 9	22°45	T 26
F 27	6 51 28	13°18'15	28° 6	23°25	1°13	14°25	25°17	1° 7	9°52	13°14	22°46	21°42	22°43	18°16	22°43	F 27
S 28	6 55 24	14°19'24	11♏43	22°31	0°49	15°12	25°21	1°14	9°54	13°12	22°47	21°39	22°40	18°22	22°41	S 28
S 29	6 59 21	15°20'32	25°51	21°28	0°23	15°59	25°24	1°21	9°56	13°10	22°49	21°34	22°37	18°29	22°40	S 29
M30	7 3 18	16°21'40	10♐27	20°18	29♑56	16°46	25°27	1°28	9°58	13° 9	22°51	21°26	22°34	18°36	22°38	M30
T 31	7 7 14	17♑22'48	25♐28	19♑ 4	29♑26	17♑33	25♈31	1♑35	10♓ 1	13♋ 7	22♏52	21♍16	22♍30	18♋42	22♉36	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s53	13s20	4n 1	25s46	2s14	22s13	1s34	24s12	0s48	8n32	1s20	22s49	0n42	8s53	0s46	22n 8	0s40	5s57	12n47	2n 8	2n21	17n53	15n28	3s26
M 2	22 58	16 11	4 39	25 45	2 14	21 59	1 26	24 15	0 48	8 32	1 19	22 49	0 42	8 53	0 46	22 9	0 40	5 57	12 47	2 12	2 22	17 52	15 27	3 26
T 3	23 4	18 0	4 58	25 42	2 13	21 44	1 18	24 17	0 48	8 31	1 19	22 49	0 42	8 52	0 46	22 9	0 40	5 57	12 47	2 17	2 24	17 52	15 26	3 26
W 4	23 9	18 34	4 57	25 38	2 13	21 29	1 9	24 18	0 49	8 31	1 19	22 49	0 42	8 52	0 46	22 9	0 40	5 58	12 48	2 21	2 25	17 51	15 26	3 26
T 5	23 13	17 47	4 35	25 32	2 11	21 14	1 0	24 20	0 49	8 31	1 19	22 50	0 42	8 51	0 46	22 9	0 40	5 58	12 48	2 26	2 26	17 51	15 25	3 26
F 6	23 17	15 47	3 54	25 25	2 9	20 59	0 50	24 21	0 50	8 30	1 18	22 50	0 42	8 51	0 46	22 9	0 40	5 59	12 48	2 29	2 28	17 51	15 24	3 26
S 7	23 21	12 48	2 58	25 16	2 6	20 44	0 40	24 22	0 50	8 30	1 18	22 50	0 42	8 50	0 46	22 9	0 40	5 59	12 48	2 31	2 29	17 50	15 23	3 26
S 8	23 24	9 6	1 52	25 5	2 3	20 29	0 30	24 23	0 51	8 30	1 18	22 50	0 42	8 50	0 46	22 10	0 40	5 59	12 48	2 33	2 30	17 50	15 23	3 26
M 9	23 26	5 0	0 41	24 53	1 58	20 14	0 19	24 23	0 51	8 30	1 17	22 50	0 42	8 49	0 46	22 10	0 40	6 0	12 48	2 33	2 31	17 49	15 22	3 26
T 10	23 28	0 46	0s30	24 39	1 53	19 59	0 8	24 23	0 51	8 30	1 17	22 50	0 42	8 48	0 46	22 10	0 40	6 0	12 48	2 33	2 33	17 49	15 21	3 26
W11	23 30	3n23	1 37	24 24	1 48	19 44	0n 3	24 23	0 52	8 30	1 17	22 50	0 42	8 48	0 46	22 10	0 40	6 0	12 49	2 33	2 34	17 48	15 21	3 26
T 12	23 31	7 17	2 38	24 8	1 41	19 29	0 15	24 22	0 52	8 30	1 16	22 50	0 42	8 47	0 46	22 10	0 40	6 1	12 49	2 34	2 35	17 48	15 20	3 26
F 13	23 32	10 47	3 30	23 51	1 33	19 15	0 27	24 22	0 53	8 31	1 16	22 51	0 41	8 46	0 46	22 10	0 40	6 1	12 49	2 36	2 36	17 47	15 20	3 26
S 14	23 32	13 46	4 11	23 32	1 25	19 0	0 40	24 21	0 53	8 31	1 16	22 51	0 41	8 46	0 46	22 11	0 40	6 1	12 49	2 39	2 38	17 47	15 19	3 26
S 15	23 32	16 6	4 40	23 13	1 15	18 46	0 53	24 19	0 53	8 32	1 15	22 51	0 41	8 45	0 45	22 11	0 40	6 2	12 49	2 44	2 39	17 47	15 18	3 26
M16	23 31	17 42	4 56	22 52	1 4	18 31	1 6	24 18	0 54	8 32	1 15	22 51	0 41	8 44	0 45	22 11	0 40	6 2	12 49	2 49	2 40	17 46	15 18	3 26
T 17	23 30	18 30	4 59	22 31	0 52	18 18	1 19	24 16	0 54	8 33	1 15	22 51	0 41	8 44	0 45	22 11	0 40	6 2	12 50	2 55	2 41	17 46	15 17	3 26
W18	23 28	18 29	4 49	22 10	0 39	18 4	1 33	24 14	0 54	8 33	1 14	22 51	0 41	8 43	0 45	22 11	0 40	6 2	12 50	3 0	2 43	17 45	15 17	3 26
T 19	23 26	17 39	4 26	21 49	0 25	17 50	1 47	24 11	0 55	8 34	1 14	22 51	0 41	8 42	0 45	22 11	0 40	6 3	12 50	3 6	2 44	17 45	15 16	3 26
F 20	23 23	16 4	3 51	21 28	0 10	17 37	2 2	24 9	0 55	8 35	1 14	22 51	0 41	8 42	0 45	22 12	0 40	6 3	12 50	3 11	2 45	17 44	15 16	3 26
S 21	23 20	13 47	3 7	21 8	0n 6	17 24	2 17	24 6	0 56	8 36	1 13	22 51	0 41	8 41	0 45	22 12	0 40	6 3	12 51	3 14	2 46	17 44	15 15	3 26
S 22	23 17	10 56	2 14	20 49	0 23	17 12	2 32	24 3	0 56	8 37	1 13	22 51	0 41	8 40	0 45	22 12	0 40	6 3	12 51	3 16	2 48	17 43	15 15	3 26
M23	23 13	7 36	1 14	20 31	0 41	17 0	2 47	23 59	0 56	8 38	1 13	22 51	0 41	8 39	0 45	22 12	0 40	6 3	12 51	3 18	2 49	17 43	15 15	3 26
T 24	23 8	3 54	0 10	20 14	1 0	16 48	3 2	23 55	0 57	8 39	1 13	22 51	0 41	8 38	0 45	22 12	0 40	6 4	12 51	3 18	2 50	17 42	15 14	3 25
W25	23 3	0s 2	0n56	19 59	1 19	16 37	3 17	23 51	0 57	8 40	1 12	22 51	0 41	8 38	0 45	22 13	0 40	6 4	12 52	3 18	2 51	17 42	15 14	3 25
T 26	22 58	4 4	2 0	19 46	1 38	16 26	3 33	23 47	0 57	8 41	1 12	22 51	0 41	8 37	0 45	22 13	0 40	6 4	12 52	3 18	2 53	17 41	15 13	3 25
F 27	22 52	8 1	3 1	19 35	1 57	16 16	3 48	23 42	0 58	8 43	1 12	22 51	0 41	8 36	0 45	22 13	0 40	6 4	12 52	3 18	2 54	17 41	15 13	3 25
S 28	22 46	11 43	3 53	19 26	2 15	16 6	4 3	23 37	0 58	8 44	1 11	22 51	0 41	8 35	0 45	22 13	0 40	6 4	12 52	3 19	2 55	17 40	15 13	3 25
S 29	22 39	14 52	4 34	19 19	2 32	15 56	4 19	23 32	0 58	8 46	1 11	22 51	0 40	8 34	0 45	22 13	0 40	6 4	12 53	3 22	2 57	17 40	15 12	3 25
M30	22 32	17 11	4 58	19 14	2 47	15 47	4 34	23 27	0 58	8 47	1 11	22 51	0 40	8 33	0 45	22 13	0 40	6 5	12 53	3 25	2 58	17 39	15 12	3 25
T 31	22s24	18s25	5n 3	19s12	3n 1	15s39	4n48	23s21	0s59	8n49	1s10	22s51	0n40	8s32	0s45	22n14	0s40	6s 5	12n53	3n29	2n59	17n39	15n12	3s25

Julian Day Number = 2178685.5, Delta T = 11m41s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'19, Lahiri = 13°26'20 Julian Calendar 1 Dec. 1252 == Greg. Calendar 8 Dec. 1252

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ASTRODIENST EPHEMERIS for the year 1253
geocentric

JANUARY 1253 JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 11 11	18♑23'55	10♑44	17°R46	28°R55	18♑20	25♈35	1♑42	10♓ 3	13°R 5	22♏54	21°R 6	22♍27	18♋49	22°R35	W 1
T 2	7 15 7	19°25'01	26° 5	16♑29	28♑22	19° 7	25°39	1°49	10° 6	13♋ 3	22°55	20♍56	22°24	18°56	22♉33	T 2
F 3	7 19 4	20°26'07	11♒19	15°13	27°48	19°54	25°43	1°56	10° 8	13° 2	22°57	20°49	22°21	19° 3	22°32	F 3
S 4	7 23 0	21°27'12	26°16	14° 2	27°13	20°41	25°47	2° 3	10°11	13° 0	22°59	20°44	22°18	19° 9	22°31	S 4
S 5	7 26 57	22°28'16	10♓49	12°56	26°37	21°28	25°52	2° 9	10°13	12°58	23° 0	20°42	22°15	19°16	22°30	S 5
M 6	7 30 54	23°29'18	24°53	11°58	26° 0	22°15	25°57	2°16	10°16	12°57	23° 1	20°D41	22°11	19°23	22°28	M 6
T 7	7 34 50	24°30'20	8♈30	11° 8	25°23	23° 2	26° 2	2°23	10°18	12°55	23° 3	20°42	22° 8	19°29	22°27	T 7
W 8	7 38 47	25°31'20	21°40	10°27	24°46	23°49	26° 7	2°30	10°21	12°53	23° 4	20°R43	22° 5	19°36	22°26	W 8
T 9	7 42 43	26°32'19	4♉28	9°54	24° 9	24°36	26°12	2°36	10°24	12°52	23° 6	20°42	22° 2	19°43	22°25	T 9
F 10	7 46 40	27°33'17	16°57	9°31	23°33	25°23	26°17	2°43	10°26	12°50	23° 7	20°40	21°59	19°50	22°24	F 10
S 11	7 50 36	28°34'14	29°12	9°16	22°57	26°10	26°23	2°50	10°29	12°49	23° 8	20°36	21°56	19°56	22°23	S 11
S 12	7 54 33	29°35'09	11♊16	9°D 9	22°22	26°57	26°29	2°56	10°32	12°47	23° 9	20°29	21°52	20° 3	22°23	S 12
M13	7 58 29	0♒36'03	23°14	9°11	21°48	27°44	26°35	3° 3	10°35	12°45	23°11	20°21	21°49	20°10	22°22	M13
T 14	8 2 26	1°36'56	5♋ 8	9°19	21°16	28°31	26°41	3° 9	10°38	12°44	23°12	20°11	21°46	20°16	22°21	T 14
W15	8 6 23	2°37'48	16°59	9°35	20°45	29°18	26°47	3°16	10°40	12°42	23°13	20° 1	21°43	20°23	22°21	W15
T 16	8 10 19	3°38'38	28°51	9°57	20°15	0♒ 6	26°54	3°22	10°43	12°41	23°14	19°52	21°40	20°30	22°20	T 16
F 17	8 14 16	4°39'28	10♌44	10°24	19°48	0°53	27° 1	3°29	10°46	12°39	23°15	19°44	21°36	20°37	22°20	F 17
S 18	8 18 12	5°40'16	22°40	10°57	19°23	1°40	27° 7	3°35	10°49	12°37	23°16	19°38	21°33	20°43	22°20	S 18
S 19	8 22 9	6°41'02	4♍41	11°35	19° 0	2°27	27°14	3°41	10°52	12°36	23°17	19°35	21°30	20°50	22°19	S 19
M20	8 26 5	7°41'48	16°48	12°18	18°39	3°14	27°22	3°48	10°55	12°34	23°18	19°D34	21°27	20°57	22°19	M20
T 21	8 30 2	8°42'32	29° 5	13° 4	18°21	4° 2	27°29	3°54	10°58	12°33	23°19	19°34	21°24	21° 3	22°19	T 21
W22	8 33 58	9°43'15	11♎36	13°54	18° 5	4°49	27°36	4° 0	11° 1	12°31	23°20	19°36	21°21	21°10	22°D19	W22
T 23	8 37 55	10°43'58	24°22	14°48	17°51	5°36	27°44	4° 6	11° 4	12°30	23°21	19°37	21°17	21°17	22°19	T 23
F 24	8 41 51	11°44'39	7♏29	15°44	17°40	6°24	27°52	4°12	11° 7	12°29	23°22	19°R38	21°14	21°23	22°19	F 24
S 25	8 45 48	12°45'19	20°58	16°44	17°32	7°11	28° 0	4°18	11°10	12°27	23°23	19°38	21°11	21°30	22°19	S 25
S 26	8 49 45	13°45'57	4♐53	17°46	17°26	7°58	28° 8	4°24	11°13	12°26	23°23	19°36	21° 8	21°37	22°20	S 26
M27	8 53 41	14°46'35	19°13	18°51	17°22	8°45	28°16	4°30	11°17	12°24	23°24	19°33	21° 5	21°44	22°20	M27
T 28	8 57 38	15°47'12	3♑56	19°58	17°D21	9°33	28°24	4°36	11°20	12°23	23°25	19°28	21° 2	21°50	22°20	T 28
W29	9 1 34	16°47'47	18°57	21° 7	17°22	10°20	28°33	4°42	11°23	12°22	23°26	19°23	20°58	21°57	22°21	W29
T 30	9 5 31	17°48'21	4♒ 6	22°18	17°26	11° 7	28°41	4°48	11°26	12°20	23°26	19°19	20°55	22° 4	22°21	T 30
F 31	9 9 27	18♒48'53	19♒14	23♑31	17♑32	11♒55	28♈50	4♑54	11♓29	12♋19	23♏27	19♍15	20♍52	22♋10	22♉22	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s16	18s21	4n46	19s11	3n12	15s31	5n 3	23s15	0s59	8n50	1s10	22s51	0n40	8s31	0s45	22n14	0s40	6s 5	12n53	3n33	3n 0	17n38	15n11	3s25
T 2	22 7	16 57	4 9	19 12	3 21	15 23	5 17	23 9	0 59	8 52	1 10	22 51	0 40	8 30	0 45	22 14	0 40	6 5	12 54	3 36	3 2	17 38	15 11	3 25
F 3	21 58	14 20	3 14	19 14	3 27	15 17	5 31	23 2	1 0	8 54	1 9	22 51	0 40	8 29	0 45	22 14	0 40	6 5	12 54	3 39	3 3	17 37	15 11	3 24
S 4	21 49	10 49	2 7	19 18	3 31	15 10	5 44	22 55	1 0	8 56	1 9	22 51	0 40	8 28	0 45	22 14	0 40	6 5	12 54	3 41	3 4	17 37	15 11	3 24
S 5	21 39	6 44	0 53	19 23	3 32	15 5	5 57	22 48	1 0	8 58	1 9	22 51	0 40	8 27	0 45	22 15	0 40	6 5	12 55	3 42	3 5	17 36	15 10	3 24
M 6	21 29	2 23	0s23	19 29	3 31	15 0	6 9	22 41	1 0	9 0	1 9	22 51	0 40	8 26	0 45	22 15	0 40	6 5	12 55	3 42	3 7	17 36	15 10	3 24
T 7	21 18	1n57	1 34	19 36	3 29	14 55	6 20	22 33	1 1	9 2	1 8	22 51	0 40	8 25	0 45	22 15	0 40	6 5	12 55	3 42	3 8	17 35	15 10	3 24
W 8	21 7	6 2	2 38	19 44	3 24	14 51	6 30	22 26	1 1	9 4	1 8	22 51	0 40	8 24	0 45	22 15	0 40	6 5	12 55	3 42	3 9	17 35	15 10	3 24
T 9	20 56	9 43	3 33	19 52	3 18	14 48	6 40	22 17	1 1	9 6	1 8	22 51	0 40	8 23	0 45	22 15	0 39	6 5	12 56	3 42	3 10	17 34	15 10	3 24
F 10	20 44	12 53	4 15	20 2	3 10	14 45	6 49	22 9	1 1	9 8	1 7	22 50	0 40	8 22	0 45	22 15	0 39	6 5	12 56	3 43	3 12	17 33	15 10	3 24
S 11	20 32	15 25	4 46	20 11	3 2	14 43	6 57	22 1	1 2	9 11	1 7	22 50	0 40	8 21	0 45	22 16	0 39	6 5	12 56	3 44	3 13	17 33	15 10	3 24
S 12	20 19	17 13	5 3	20 21	2 53	14 41	7 5	21 52	1 2	9 13	1 7	22 50	0 40	8 20	0 45	22 16	0 39	6 5	12 57	3 47	3 14	17 32	15 10	3 23
M13	20 6	18 16	5 6	20 30	2 43	14 40	7 11	21 43	1 2	9 16	1 6	22 50	0 40	8 19	0 45	22 16	0 39	6 5	12 57	3 50	3 15	17 32	15 9	3 23
T 14	19 53	18 30	4 56	20 40	2 33	14 39	7 17	21 33	1 2	9 18	1 6	22 50	0 40	8 18	0 45	22 16	0 39	6 5	12 57	3 54	3 17	17 31	15 9	3 23
W15	19 39	17 55	4 34	20 50	2 22	14 39	7 21	21 24	1 2	9 21	1 6	22 50	0 40	8 17	0 45	22 16	0 39	6 5	12 58	3 58	3 18	17 31	15 9	3 23
T 16	19 25	16 34	3 59	20 59	2 11	14 39	7 25	21 14	1 3	9 23	1 6	22 50	0 40	8 16	0 45	22 16	0 39	6 5	12 58	4 2	3 19	17 30	15 9	3 23
F 17	19 10	14 30	3 14	21 8	2 0	14 40	7 28	21 4	1 3	9 26	1 5	22 50	0 40	8 15	0 44	22 17	0 39	6 5	12 58	4 5	3 20	17 30	15 9	3 23
S 18	18 56	11 48	2 20	21 16	1 49	14 42	7 30	20 53	1 3	9 29	1 5	22 50	0 40	8 13	0 44	22 17	0 39	6 5	12 59	4 7	3 22	17 29	15 10	3 23
S 19	18 41	8 36	1 20	21 24	1 38	14 43	7 32	20 43	1 3	9 31	1 5	22 49	0 39	8 12	0 44	22 17	0 39	6 5	12 59	4 8	3 23	17 28	15 10	3 22
M20	18 25	5 0	0 15	21 32	1 26	14 45	7 33	20 32	1 3	9 34	1 5	22 49	0 39	8 11	0 44	22 17	0 39	6 5	12 59	4 9	3 24	17 28	15 10	3 22
T 21	18 9	1 9	0n52	21 38	1 16	14 48	7 32	20 21	1 4	9 37	1 4	22 49	0 39	8 10	0 44	22 17	0 39	6 5	13 0	4 9	3 25	17 27	15 10	3 22
W22	17 53	2s49	1 57	21 44	1 5	14 51	7 32	20 10	1 4	9 40	1 4	22 49	0 39	8 9	0 44	22 17	0 39	6 4	13 0	4 8	3 27	17 27	15 10	3 22
T 23	17 37	6 43	2 58	21 49	0 54	14 54	7 30	19 59	1 4	9 43	1 4	22 49	0 39	8 8	0 44	22 18	0 39	6 4	13 0	4 8	3 28	17 26	15 10	3 22
F 24	17 20	10 25	3 51	21 53	0 44	14 57	7 28	19 47	1 4	9 46	1 3	22 49	0 39	8 6	0 44	22 18	0 39	6 4	13 1	4 7	3 29	17 26	15 10	3 22
S 25	17 3	13 40	4 34	21 56	0 33	15 1	7 26	19 35	1 4	9 49	1 3	22 49	0 39	8 5	0 44	22 18	0 39	6 4	13 1	4 7	3 31	17 25	15 10	3 22
S 26	16 46	16 15	5 2	21 58	0 23	15 5	7 23	19 23	1 4	9 52	1 3	22 48	0 39	8 4	0 44	22 18	0 39	6 4	13 2	4 8	3 32	17 24	15 11	3 21
M27	16 28	17 55	5 12	21 59	0 13	15 9	7 19	19 11	1 4	9 55	1 3	22 48	0 39	8 3	0 44	22 18	0 39	6 4	13 2	4 9	3 33	17 24	15 11	3 21
T 28	16 10	18 27	5 2	21 59	0 4	15 13	7 15	18 58	1 5	9 59	1 2	22 48	0 39	8 2	0 44	22 18	0 39	6 3	13 2	4 11	3 34	17 23	15 11	3 21
W29	15 52	17 42	4 32	21 57	0s 5	15 17	7 10	18 45	1 5	10 2	1 2	22 48	0 39	8 0	0 44	22 18	0 39	6 3	13 3	4 13	3 36	17 23	15 11	3 21
T 30	15 33	15 43	3 42	21 55	0 14	15 21	7 6	18 33	1 5	10 5	1 2	22 48	0 39	7 59	0 44	22 19	0 39	6 3	13 3	4 15	3 37	17 22	15 12	3 21
F 31	15s15	12s38	2n37	21s51	0s23	15s26	7n 0	18s19	1s 5	10n 8	1s 2	22s47	0n39	7s58	0s44	22n19	0s39	6s 3	13n 3	4n16	3n38	17n21	15n12	3s21

Julian Day Number = 2178716.5, Delta T = 11m41s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'23, Lahiri = 13°26'24 Julian Calendar 1 Jan. 1253 == Greg. Calendar 8 Jan. 1253

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ASTRODIENST EPHEMERIS for the year 1253
geocentric

FEBRUARY 1253 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 13 24	19♒49'23	4♓12	24♑45	17♑40	12♒42	28♈59	5♑ 0	11♓33	12°R18	23♏28	19°R13	20♍49	22♋17	22♌23	S 1
S 2	9 17 21	20°49'52	18°51	26° 2	17°51	13°29	29° 8	5° 5	11°36	12♋16	23°28	19°D12	20°46	22°24	22°23	S 2
M 3	9 21 17	21°50'19	3♈ 5	27°19	18° 4	14°17	29°17	5°11	11°39	12°15	23°29	19♍12	20°42	22°30	22°24	M 3
T 4	9 25 14	22°50'44	16°52	28°39	18°19	15° 4	29°26	5°16	11°42	12°14	23°29	19°14	20°39	22°37	22°25	T 4
W 5	9 29 10	23°51'07	0♉12	29°59	18°35	15°51	29°36	5°22	11°46	12°13	23°30	19°15	20°36	22°44	22°26	W 5
T 6	9 33 7	24°51'28	13° 7	1♒21	18°54	16°39	29°45	5°27	11°49	12°12	23°30	19°17	20°33	22°51	22°27	T 6
F 7	9 37 3	25°51'47	25°40	2°45	19°15	17°26	29°55	5°33	11°52	12°10	23°30	19°R17	20°30	22°57	22°28	F 7
S 8	9 41 0	26°52'04	7♊57	4° 9	19°37	18°13	0♉ 5	5°38	11°56	12° 9	23°31	19°17	20°27	23° 4	22°29	S 8
S 9	9 44 56	27°52'20	20° 1	5°35	20° 2	19° 1	0°14	5°43	11°59	12° 8	23°31	19°15	20°23	23°11	22°30	S 9
M10	9 48 53	28°52'33	1♋56	7° 2	20°28	19°48	0°24	5°48	12° 2	12° 7	23°31	19°13	20°20	23°17	22°32	M10
T 11	9 52 49	29°52'44	13°47	8°30	20°55	20°35	0°35	5°53	12° 6	12° 6	23°31	19°10	20°17	23°24	22°33	T 11
W12	9 56 46	0♓52'53	25°38	10° 0	21°24	21°23	0°45	5°58	12° 9	12° 5	23°32	19° 6	20°14	23°31	22°35	W12
T 13	10 0 43	1°53'00	7♌30	11°30	21°55	22°10	0°55	6° 3	12°13	12° 4	23°32	19° 4	20°11	23°37	22°36	T 13
F 14	10 4 39	2°53'04	19°28	13° 2	22°27	22°57	1° 6	6° 8	12°16	12° 3	23°32	19° 1	20° 8	23°44	22°38	F 14
S 15	10 8 36	3°53'07	1♍31	14°35	23° 1	23°44	1°16	6°13	12°19	12° 2	23°32	19° 0	20° 4	23°51	22°39	S 15
S 16	10 12 32	4°53'08	13°43	16° 9	23°36	24°32	1°27	6°18	12°23	12° 1	23°32	18°D59	20° 1	23°58	22°41	S 16
M17	10 16 29	5°53'08	26° 5	17°44	24°13	25°19	1°38	6°23	12°26	12° 1	23°R32	18°59	19°58	24° 4	22°43	M17
T 18	10 20 25	6°53'05	8♎38	19°20	24°50	26° 6	1°48	6°27	12°30	12° 0	23°32	19° 0	19°55	24°11	22°45	T 18
W19	10 24 22	7°53'00	21°24	20°57	25°29	26°53	1°59	6°32	12°33	11°59	23°32	19° 1	19°52	24°18	22°47	W19
T 20	10 28 18	8°52'54	4♏23	22°36	26° 9	27°41	2°10	6°36	12°37	11°58	23°32	19° 2	19°48	24°24	22°48	T 20
F 21	10 32 15	9°52'46	17°39	24°15	26°50	28°28	2°21	6°41	12°40	11°57	23°32	19° 2	19°45	24°31	22°51	F 21
S 22	10 36 12	10°52'37	1♐11	25°56	27°32	29°15	2°33	6°45	12°43	11°57	23°32	19° 3	19°42	24°38	22°53	S 22
S 23	10 40 8	11°52'26	15° 1	27°38	28°16	0♓ 2	2°44	6°49	12°47	11°56	23°31	19°R 3	19°39	24°44	22°55	S 23
M24	10 44 5	12°52'13	29° 8	29°21	29° 0	0°49	2°55	6°53	12°50	11°55	23°31	19° 3	19°36	24°51	22°57	M24
T 25	10 48 1	13°51'58	13♑31	1♓ 5	29°45	1°37	3° 7	6°58	12°54	11°55	23°31	19° 2	19°33	24°58	22°59	T 25
W26	10 51 58	14°51'42	28° 8	2°51	0♒31	2°24	3°19	7° 2	12°57	11°54	23°31	19° 2	19°29	25° 5	23° 2	W26
T 27	10 55 54	15°51'24	12♒52	4°38	1°18	3°11	3°30	7° 6	13° 1	11°53	23°30	19° 1	19°26	25°11	23° 4	T 27
F 28	10 59 51	16♓51'04	27♒37	6♓26	2♒ 6	3♓58	3♉42	7♑ 9	13♓ 4	11♋53	23♏30	19♍ 1	19♍23	25♋18	23♌ 7	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s56	8s45	1n21	21s47	0s31	15s30	6n55	18s 6	1s 5	10n12	1s 1	22s47	0n39	7s57	0s44	22n19	0s39	6s 3	13n 4	4n17	3n39	17n21	15n12	3s21
S 2	14 36	4 24	0 2	21 40	0 40	15 35	6 49	17 53	1 5	10 15	1 1	22 47	0 39	7 55	0 44	22 19	0 39	6 2	13 4	4 18	3 41	17 20	15 12	3 21
M 3	14 17	0n 4	1s16	21 33	0 47	15 39	6 43	17 39	1 5	10 19	1 1	22 47	0 39	7 54	0 44	22 19	0 39	6 2	13 4	4 17	3 42	17 20	15 13	3 20
T 4	13 57	4 24	2 26	21 25	0 55	15 44	6 36	17 25	1 5	10 22	1 1	22 47	0 39	7 53	0 44	22 19	0 39	6 2	13 5	4 17	3 43	17 19	15 13	3 20
W 5	13 37	8 22	3 27	21 15	1 2	15 48	6 30	17 11	1 5	10 26	1 0	22 47	0 39	7 51	0 44	22 19	0 39	6 2	13 5	4 16	3 44	17 18	15 14	3 20
T 6	13 17	11 47	4 14	21 3	1 9	15 52	6 23	16 57	1 5	10 29	1 0	22 46	0 39	7 50	0 44	22 20	0 39	6 1	13 6	4 16	3 46	17 18	15 14	3 20
F 7	12 57	14 35	4 49	20 51	1 16	15 57	6 16	16 42	1 5	10 33	1 0	22 46	0 39	7 49	0 44	22 20	0 39	6 1	13 6	4 15	3 47	17 17	15 14	3 20
S 8	12 36	16 38	5 9	20 37	1 22	16 1	6 9	16 28	1 5	10 37	1 0	22 46	0 39	7 48	0 44	22 20	0 39	6 1	13 6	4 16	3 48	17 17	15 15	3 20
S 9	12 16	17 55	5 15	20 22	1 28	16 4	6 1	16 13	1 5	10 40	1 0	22 46	0 39	7 46	0 44	22 20	0 39	6 1	13 7	4 16	3 49	17 16	15 15	3 20
M10	11 55	18 24	5 7	20 5	1 33	16 8	5 54	15 58	1 5	10 44	0 59	22 46	0 39	7 45	0 44	22 20	0 39	6 0	13 7	4 17	3 51	17 15	15 16	3 19
T 11	11 34	18 4	4 46	19 47	1 38	16 11	5 47	15 43	1 5	10 48	0 59	22 45	0 39	7 44	0 44	22 20	0 39	6 0	13 7	4 18	3 52	17 15	15 16	3 19
W12	11 12	16 57	4 14	19 28	1 43	16 14	5 39	15 28	1 5	10 52	0 59	22 45	0 39	7 42	0 44	22 20	0 39	6 0	13 8	4 20	3 53	17 14	15 17	3 19
T 13	10 51	15 5	3 30	19 8	1 48	16 17	5 31	15 13	1 5	10 55	0 59	22 45	0 39	7 41	0 44	22 20	0 39	5 59	13 8	4 21	3 54	17 13	15 17	3 19
F 14	10 29	12 34	2 36	18 45	1 52	16 20	5 24	14 57	1 5	10 59	0 58	22 45	0 39	7 40	0 44	22 21	0 39	5 59	13 9	4 22	3 56	17 13	15 18	3 19
S 15	10 7	9 30	1 35	18 22	1 56	16 22	5 16	14 41	1 5	11 3	0 58	22 45	0 39	7 39	0 44	22 21	0 39	5 59	13 9	4 22	3 57	17 12	15 18	3 19
S 16	9 45	5 59	0 29	17 57	1 59	16 24	5 8	14 26	1 5	11 7	0 58	22 44	0 39	7 37	0 44	22 21	0 39	5 58	13 9	4 23	3 58	17 12	15 19	3 19
M17	9 23	2 10	0n39	17 31	2 2	16 26	5 0	14 10	1 5	11 11	0 58	22 44	0 39	7 36	0 44	22 21	0 39	5 58	13 10	4 23	3 59	17 11	15 19	3 18
T 18	9 1	1s48	1 47	17 3	2 5	16 27	4 52	13 54	1 5	11 15	0 58	22 44	0 39	7 35	0 44	22 21	0 39	5 58	13 10	4 22	4 1	17 10	15 20	3 18
W19	8 39	5 45	2 50	16 34	2 7	16 28	4 44	13 37	1 5	11 19	0 57	22 44	0 39	7 33	0 44	22 21	0 39	5 57	13 10	4 22	4 2	17 10	15 21	3 18
T 20	8 16	9 29	3 46	16 4	2 9	16 29	4 36	13 21	1 5	11 23	0 57	22 44	0 39	7 32	0 44	22 21	0 38	5 57	13 11	4 22	4 3	17 9	15 21	3 18
F 21	7 54	12 49	4 31	15 32	2 10	16 29	4 28	13 4	1 5	11 27	0 57	22 43	0 39	7 31	0 44	22 21	0 38	5 56	13 11	4 21	4 4	17 8	15 22	3 18
S 22	7 31	15 33	5 2	14 59	2 11	16 29	4 21	12 48	1 5	11 31	0 57	22 43	0 39	7 29	0 44	22 21	0 38	5 56	13 11	4 21	4 6	17 8	15 22	3 18
S 23	7 8	17 27	5 17	14 24	2 11	16 28	4 13	12 31	1 5	11 35	0 57	22 43	0 39	7 28	0 44	22 21	0 38	5 56	13 12	4 21	4 7	17 7	15 23	3 18
M24	6 45	18 19	5 12	13 48	2 11	16 27	4 5	12 14	1 5	11 39	0 56	22 43	0 39	7 27	0 44	22 22	0 38	5 55	13 12	4 21	4 8	17 6	15 24	3 18
T 25	6 22	18 3	4 49	13 10	2 11	16 25	3 57	11 57	1 5	11 43	0 56	22 43	0 39	7 25	0 44	22 22	0 38	5 55	13 13	4 21	4 9	17 6	15 24	3 17
W26	5 59	16 35	4 7	12 31	2 10	16 23	3 49	11 40	1 5	11 47	0 56	22 42	0 39	7 24	0 44	22 22	0 38	5 54	13 13	4 21	4 11	17 5	15 25	3 17
T 27	5 36	14 1	3 8	11 51	2 9	16 21	3 41	11 23	1 5	11 52	0 56	22 42	0 39	7 23	0 44	22 22	0 38	5 54	13 13	4 22	4 12	17 4	15 26	3 17
F 28	5s13	10s32	1n56	11s 9	2s 7	16s18	3n33	11s 6	1s 5	11n56	0s56	22s42	0n38	7s21	0s44	22n22	0s38	5s54	13n14	4n22	4n13	17n 4	15n27	3s17

Julian Day Number = 2178747.5, Delta T = 11m41s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'28, Lahiri = 13°26'28 Julian Calendar 1 Feb. 1253 == Greg. Calendar 8 Feb. 1253

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ASTRODIENST EPHEMERIS for the year 1253
geocentric

MARCH 1253 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 3 47	17♓50'41	12♓17	8♓15	2♒55	4♓45	3♉54	7♑13	13♓ 7	11°R52	23°R30	19°R 1	19♍20	25♋25	23♉ 9	S 1
S 2	11 7 44	18°50'17	26°45	10° 5	3°44	5°32	4° 6	7°17	13°11	11♋52	23♏29	19♍ 1	19°17	25°31	23°12	S 2
M 3	11 11 41	19°49'51	10♈55	11°57	4°34	6°19	4°18	7°21	13°14	11°52	23°29	19° 1	19°13	25°38	23°14	M 3
T 4	11 15 37	20°49'23	24°43	13°50	5°25	7° 6	4°30	7°24	13°18	11°51	23°28	19° 1	19°10	25°45	23°17	T 4
W 5	11 19 34	21°48'52	8♉ 8	15°44	6°16	7°53	4°42	7°28	13°21	11°51	23°28	19° 1	19° 7	25°51	23°20	W 5
T 6	11 23 30	22°48'20	21° 8	17°40	7° 9	8°40	4°54	7°31	13°25	11°50	23°27	19° 0	19° 4	25°58	23°23	T 6
F 7	11 27 27	23°47'44	3♊47	19°36	8° 1	9°27	5° 7	7°34	13°28	11°50	23°27	19° 0	19° 1	26° 5	23°25	F 7
S 8	11 31 23	24°47'07	16° 8	21°34	8°55	10°14	5°19	7°37	13°31	11°50	23°26	19° 0	18°58	26°12	23°28	S 8
S 9	11 35 20	25°46'27	28°14	23°33	9°49	11° 1	5°32	7°40	13°35	11°50	23°25	19°D 0	18°54	26°18	23°31	S 9
M10	11 39 16	26°45'45	10♋11	25°33	10°43	11°48	5°44	7°43	13°38	11°49	23°25	19° 0	18°51	26°25	23°34	M10
T 11	11 43 13	27°45'01	22° 2	27°34	11°38	12°35	5°57	7°46	13°41	11°49	23°24	19° 0	18°48	26°32	23°37	T 11
W12	11 47 9	28°44'14	3♌53	29°36	12°34	13°22	6° 9	7°49	13°45	11°49	23°23	19° 1	18°45	26°38	23°41	W12
T 13	11 51 6	29°43'25	15°47	1♈39	13°30	14° 8	6°22	7°52	13°48	11°49	23°22	19° 2	18°42	26°45	23°44	T 13
F 14	11 55 3	0♈42'34	27°49	3°42	14°26	14°55	6°35	7°55	13°51	11°49	23°22	19° 3	18°39	26°52	23°47	F 14
S 15	11 58 59	1°41'40	10♍ 1	5°46	15°23	15°42	6°48	7°57	13°55	11°49	23°21	19° 4	18°35	26°58	23°50	S 15
S 16	12 2 56	2°40'44	22°26	7°50	16°21	16°29	7° 0	8° 0	13°58	11°D49	23°20	19°R 4	18°32	27° 5	23°54	S 16
M17	12 6 52	3°39'47	5♎ 5	9°54	17°19	17°15	7°13	8° 2	14° 1	11°49	23°19	19° 4	18°29	27°12	23°57	M17
T 18	12 10 49	4°38'47	17°59	11°58	18°17	18° 2	7°26	8° 4	14° 5	11°49	23°18	19° 2	18°26	27°18	24° 0	T 18
W19	12 14 45	5°37'45	1♏ 7	14° 1	19°16	18°48	7°39	8° 7	14° 8	11°49	23°17	19° 0	18°23	27°25	24° 4	W19
T 20	12 18 42	6°36'41	14°29	16° 4	20°15	19°35	7°53	8° 9	14°11	11°49	23°16	18°58	18°19	27°32	24° 7	T 20
F 21	12 22 38	7°35'35	28° 5	18° 5	21°15	20°22	8° 6	8°11	14°14	11°49	23°15	18°55	18°16	27°39	24°11	F 21
S 22	12 26 35	8°34'28	11♐52	20° 5	22°14	21° 8	8°19	8°13	14°18	11°50	23°14	18°53	18°13	27°45	24°15	S 22
S 23	12 30 32	9°33'19	25°49	22° 2	23°15	21°55	8°32	8°14	14°21	11°50	23°13	18°52	18°10	27°52	24°18	S 23
M24	12 34 28	10°32'08	9♑54	23°58	24°15	22°41	8°45	8°16	14°24	11°50	23°12	18°D51	18° 7	27°59	24°22	M24
T 25	12 38 25	11°30'55	24° 6	25°51	25°16	23°28	8°59	8°18	14°27	11°50	23°11	18°52	18° 4	28° 5	24°26	T 25
W26	12 42 21	12°29'41	8♒23	27°41	26°18	24°14	9°12	8°19	14°30	11°51	23°10	18°53	18° 0	28°12	24°29	W26
T 27	12 46 18	13°28'25	22°41	29°28	27°19	25° 0	9°26	8°21	14°33	11°51	23° 9	18°54	17°57	28°19	24°33	T 27
F 28	12 50 14	14°27'07	6♓59	1♉11	28°21	25°47	9°39	8°22	14°36	11°51	23° 8	18°55	17°54	28°25	24°37	F 28
S 29	12 54 11	15°25'47	21°12	2°50	29°23	26°33	9°53	8°23	14°39	11°52	23° 6	18°R56	17°51	28°32	24°41	S 29
S 30	12 58 7	16°24'26	5♈16	4°25	0♓25	27°19	10° 6	8°25	14°43	11°52	23° 5	18°55	17°48	28°39	24°45	S 30
M31	13 2 4	17♈23'02	19♈ 8	5♉56	1♓28	28♓ 6	10♉20	8♑26	14♓46	11♋53	23♏ 4	18♍53	17♍44	28♋45	24♉49	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s49	6s24	0n37	10s26	2s 5	16s15	3n26	10s48	1s 5	12n 0	0s55	22s42	0n38	7s20	0s44	22n22	0s38	5s53	13n14	4n22	4n14	17n 3	15n27	3s17
S 2	4 26	1 57	0s43	9 42	2 2	16 11	3 18	10 31	1 4	12 4	0 55	22 42	0 38	7 19	0 44	22 22	0 38	5 53	13 14	4 22	4 16	17 2	15 28	3 17
M 3	4 3	2n31	1 59	8 56	1 59	16 7	3 10	10 13	1 4	12 8	0 55	22 41	0 38	7 17	0 44	22 22	0 38	5 52	13 15	4 22	4 17	17 1	15 29	3 17
T 4	3 39	6 44	3 6	8 9	1 55	16 2	3 3	9 56	1 4	12 13	0 55	22 41	0 38	7 16	0 44	22 22	0 38	5 52	13 15	4 22	4 18	17 1	15 30	3 17
W 5	3 16	10 29	4 0	7 20	1 50	15 57	2 55	9 38	1 4	12 17	0 55	22 41	0 38	7 15	0 44	22 22	0 38	5 51	13 15	4 22	4 19	17 0	15 30	3 17
T 6	2 52	13 36	4 41	6 31	1 45	15 51	2 48	9 20	1 4	12 21	0 55	22 41	0 38	7 13	0 44	22 22	0 38	5 51	13 16	4 22	4 21	16 59	15 31	3 16
F 7	2 28	15 59	5 6	5 40	1 40	15 45	2 40	9 2	1 4	12 25	0 54	22 41	0 38	7 12	0 44	22 22	0 38	5 51	13 16	4 22	4 22	16 59	15 32	3 16
S 8	2 5	17 33	5 17	4 48	1 34	15 38	2 33	8 44	1 4	12 30	0 54	22 41	0 38	7 11	0 44	22 22	0 38	5 50	13 16	4 22	4 23	16 58	15 33	3 16
S 9	1 41	18 18	5 13	3 54	1 27	15 31	2 26	8 26	1 3	12 34	0 54	22 40	0 38	7 10	0 44	22 22	0 38	5 50	13 17	4 22	4 24	16 57	15 34	3 16
M10	1 18	18 13	4 56	3 0	1 20	15 24	2 19	8 8	1 3	12 38	0 54	22 40	0 38	7 8	0 44	22 23	0 38	5 49	13 17	4 22	4 26	16 57	15 34	3 16
T 11	0 54	17 21	4 26	2 5	1 13	15 15	2 12	7 50	1 3	12 43	0 54	22 40	0 38	7 7	0 44	22 23	0 38	5 49	13 17	4 22	4 27	16 56	15 35	3 16
W12	0 30	15 43	3 45	1 9	1 5	15 7	2 4	7 32	1 3	12 47	0 54	22 40	0 38	7 6	0 44	22 23	0 38	5 48	13 17	4 22	4 28	16 55	15 36	3 16
T 13	0 7	13 24	2 54	0 12	0 56	14 58	1 57	7 14	1 3	12 51	0 53	22 40	0 38	7 4	0 44	22 23	0 38	5 48	13 18	4 21	4 29	16 54	15 37	3 16
F 14	0n17	10 29	1 55	0n46	0 47	14 48	1 51	6 55	1 3	12 56	0 53	22 40	0 38	7 3	0 44	22 23	0 38	5 47	13 18	4 21	4 31	16 54	15 38	3 16
S 15	0 41	7 4	0 50	1 44	0 38	14 38	1 44	6 37	1 2	13 0	0 53	22 39	0 38	7 2	0 44	22 23	0 38	5 47	13 18	4 21	4 32	16 53	15 39	3 16
S 16	1 4	3 18	0n19	2 42	0 28	14 27	1 37	6 19	1 2	13 4	0 53	22 39	0 38	7 1	0 44	22 23	0 38	5 46	13 19	4 21	4 33	16 52	15 40	3 16
M17	1 28	0s41	1 27	3 40	0 17	14 16	1 30	6 0	1 2	13 9	0 53	22 39	0 38	6 59	0 44	22 23	0 38	5 46	13 19	4 21	4 34	16 52	15 41	3 15
T 18	1 51	4 43	2 33	4 39	0 7	14 5	1 24	5 42	1 2	13 13	0 53	22 39	0 38	6 58	0 44	22 23	0 38	5 45	13 19	4 21	4 36	16 51	15 42	3 15
W19	2 15	8 36	3 32	5 37	0n 4	13 53	1 17	5 23	1 1	13 18	0 52	22 39	0 38	6 57	0 44	22 23	0 38	5 45	13 19	4 22	4 37	16 50	15 42	3 15
T 20	2 38	12 6	4 20	6 35	0 16	13 40	1 11	5 5	1 1	13 22	0 52	22 39	0 38	6 56	0 44	22 23	0 38	5 44	13 20	4 23	4 38	16 49	15 43	3 15
F 21	3 1	15 1	4 55	7 32	0 27	13 27	1 5	4 46	1 1	13 26	0 52	22 39	0 38	6 54	0 44	22 23	0 38	5 44	13 20	4 24	4 39	16 49	15 44	3 15
S 22	3 25	17 8	5 13	8 28	0 38	13 14	0 58	4 27	1 1	13 31	0 52	22 39	0 38	6 53	0 44	22 23	0 38	5 44	13 20	4 25	4 41	16 48	15 45	3 15
S 23	3 48	18 15	5 13	9 23	0 50	13 0	0 52	4 9	1 0	13 35	0 52	22 38	0 38	6 52	0 44	22 23	0 38	5 43	13 20	4 25	4 42	16 47	15 46	3 15
M24	4 11	18 16	4 54	10 17	1 1	12 46	0 46	3 50	1 0	13 39	0 52	22 38	0 38	6 51	0 44	22 23	0 37	5 43	13 21	4 26	4 43	16 46	15 47	3 15
T 25	4 34	17 9	4 18	11 9	1 12	12 31	0 40	3 31	1 0	13 44	0 52	22 38	0 38	6 49	0 44	22 23	0 37	5 42	13 21	4 25	4 44	16 46	15 48	3 15
W26	4 57	14 56	3 25	11 59	1 23	12 16	0 34	3 13	1 0	13 48	0 52	22 38	0 38	6 48	0 44	22 23	0 37	5 42	13 21	4 25	4 46	16 45	15 49	3 15
T 27	5 20	11 49	2 19	12 47	1 34	12 0	0 29	2 54	0 59	13 53	0 51	22 38	0 38	6 47	0 44	22 23	0 37	5 41	13 21	4 24	4 47	16 44	15 50	3 15
F 28	5 43	7 58	1 5	13 33	1 44	11 44	0 23	2 35	0 59	13 57	0 51	22 38	0 38	6 46	0 44	22 23	0 37	5 41	13 22	4 24	4 48	16 43	15 51	3 15
S 29	6 6	3 42	0s12	14 17	1 54	11 28	0 17	2 16	0 59	14 1	0 51	22 38	0 38	6 45	0 44	22 23	0 37	5 40	13 22	4 24	4 49	16 43	15 52	3 15
S 30	6 29	0n45	1 29	14 58	2 3	11 11	0 12	1 58	0 58	14 6	0 51	22 38	0 38	6 44	0 44	22 23	0 37	5 40	13 22	4 24	4 51	16 42	15 53	3 15
M31	6n51	5n 5	2s38	15n37	2n11	10s53	0n 7	1s39	0s58	14n10	0s51	22s38	0n38	6s42	0s44	22n23	0s37	5s39	13n22	4n25	4n52	16n41	15n54	3s15

Julian Day Number = 2178775.5, Delta T = 11m41s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'31, Lahiri = 13°26'32 Julian Calendar 1 March 1253 == Greg. Calendar 8 March 1253

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1253
geocentric

APRIL 1253 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 6 0	18♈21'37	2♉44	7♉23	2♓31	28♓52	10♉33	8♏27	14♓49	11♋53	23°R 3	18°R49	17♍41	28♋52	24♉53	T 1
W 2	13 9 57	19°20'10	16° 2	8°45	3°34	29°38	10°47	8°27	14°52	11°54	23♏ 1	18♍44	17°38	28°59	24°57	W 2
T 3	13 13 54	20°18'40	29° 0	10° 2	4°38	0♈24	11° 1	8°28	14°55	11°54	23° 0	18°39	17°35	29° 5	25° 1	T 3
F 4	13 17 50	21°17'09	11♊39	11°14	5°41	1°10	11°14	8°29	14°57	11°55	22°59	18°34	17°32	29°12	25° 5	F 4
S 5	13 21 47	22°15'35	24° 1	12°22	6°45	1°56	11°28	8°29	15° 0	11°56	22°57	18°30	17°29	29°19	25° 9	S 5
S 6	13 25 43	23°14'00	6♋ 9	13°24	7°49	2°42	11°42	8°30	15° 3	11°56	22°56	18°27	17°25	29°26	25°14	S 6
M 7	13 29 40	24°12'22	18° 6	14°21	8°53	3°28	11°56	8°30	15° 6	11°57	22°55	18°25	17°22	29°32	25°18	M 7
T 8	13 33 36	25°10'42	29°58	15°12	9°58	4°14	12°10	8°30	15° 9	11°58	22°53	18°D25	17°19	29°39	25°22	T 8
W 9	13 37 33	26° 9'00	11♌49	15°59	11° 3	5° 0	12°24	8°31	15°12	11°59	22°52	18°26	17°16	29°46	25°26	W 9
T 10	13 41 29	27° 7'16	23°44	16°40	12° 8	5°45	12°37	8°R31	15°14	12° 0	22°50	18°28	17°13	29°52	25°31	T 10
F 11	13 45 26	28° 5'30	5♍49	17°15	13°13	6°31	12°51	8°31	15°17	12° 0	22°49	18°29	17°10	29°59	25°35	F 11
S 12	13 49 23	29° 3'42	18° 7	17°45	14°18	7°17	13° 5	8°31	15°20	12° 1	22°48	18°R30	17° 6	0♌ 6	25°39	S 12
S 13	13 53 19	0♉ 1'51	0♎42	18° 9	15°23	8° 3	13°19	8°30	15°23	12° 2	22°46	18°29	17° 3	0°12	25°44	S 13
M14	13 57 16	0°59'59	13°36	18°28	16°29	8°48	13°33	8°30	15°25	12° 3	22°45	18°27	17° 0	0°19	25°48	M14
T 15	14 1 12	1°58'05	26°49	18°42	17°35	9°34	13°47	8°30	15°28	12° 4	22°43	18°22	16°57	0°26	25°52	T 15
W16	14 5 9	2°56'10	10♏22	18°50	18°40	10°19	14° 1	8°29	15°30	12° 5	22°42	18°16	16°54	0°32	25°57	W16
T 17	14 9 5	3°54'13	24°11	18°R53	19°47	11° 5	14°15	8°28	15°33	12° 6	22°40	18° 9	16°50	0°39	26° 1	T 17
F 18	14 13 2	4°52'14	8♐14	18°51	20°53	11°50	14°29	8°28	15°36	12° 7	22°39	18° 1	16°47	0°46	26° 6	F 18
S 19	14 16 58	5°50'14	22°25	18°43	21°59	12°36	14°43	8°27	15°38	12° 8	22°37	17°55	16°44	0°52	26°10	S 19
S 20	14 20 55	6°48'12	6♑40	18°32	23° 6	13°21	14°57	8°26	15°40	12° 9	22°35	17°49	16°41	0°59	26°15	S 20
M21	14 24 52	7°46'09	20°55	18°15	24°12	14° 6	15°11	8°25	15°43	12°11	22°34	17°46	16°38	1° 6	26°19	M21
T 22	14 28 48	8°44'05	5♒ 8	17°55	25°19	14°52	15°25	8°24	15°45	12°12	22°32	17°D45	16°35	1°13	26°24	T 22
W23	14 32 45	9°41'59	19°16	17°31	26°26	15°37	15°40	8°23	15°48	12°13	22°31	17°45	16°31	1°19	26°29	W23
T 24	14 36 41	10°39'53	3♓18	17° 3	27°33	16°22	15°54	8°22	15°50	12°14	22°29	17°46	16°28	1°26	26°33	T 24
F 25	14 40 38	11°37'45	17°13	16°33	28°41	17° 7	16° 8	8°20	15°52	12°15	22°27	17°R47	16°25	1°33	26°38	F 25
S 26	14 44 34	12°35'35	1♈ 0	16° 1	29°48	17°52	16°22	8°19	15°54	12°17	22°26	17°46	16°22	1°39	26°42	S 26
S 27	14 48 31	13°33'25	14°38	15°27	0♈55	18°37	16°36	8°17	15°57	12°18	22°24	17°43	16°19	1°46	26°47	S 27
M28	14 52 27	14°31'13	28° 6	14°52	2° 3	19°22	16°50	8°16	15°59	12°19	22°23	17°38	16°15	1°53	26°52	M28
T 29	14 56 24	15°28'59	11♉22	14°17	3°11	20° 7	17° 4	8°14	16° 1	12°21	22°21	17°30	16°12	1°59	26°56	T 29
W30	15 0 21	16♉26'45	24♉24	13♉42	4♈18	20♈52	17♉18	8♏12	16♓ 3	12♋22	22♏19	17♍20	16♍ 9	2♌ 6	27♉ 1	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n14	9n 4	3s37	16n13	2n19	10s36	0n 1	1s20	0s58	14n15	0s51	22s38	0n38	6s41	0s44	22n23	0s37	5s39	13n22	4n27	4n53	16n40	15n55	3s15
W 2	7 36	12 30	4 23	16 47	2 26	10 18	0s 4	1 1	0 57	14 19	0 51	22 38	0 38	6 40	0 44	22 23	0 37	5 38	13 23	4 28	4 54	16 39	15 56	3 14
T 3	7 58	15 14	4 54	17 18	2 33	9 59	0 9	0 43	0 57	14 23	0 50	22 38	0 38	6 39	0 44	22 23	0 37	5 38	13 23	4 30	4 56	16 39	15 57	3 14
F 4	8 20	17 9	5 10	17 46	2 38	9 40	0 14	0 24	0 57	14 28	0 50	22 38	0 38	6 38	0 44	22 23	0 37	5 37	13 23	4 32	4 57	16 38	15 58	3 14
S 5	8 42	18 14	5 11	18 11	2 43	9 21	0 19	0 5	0 56	14 32	0 50	22 38	0 38	6 37	0 44	22 23	0 37	5 37	13 23	4 34	4 58	16 37	15 59	3 14
S 6	9 4	18 26	4 57	18 34	2 46	9 2	0 23	0n13	0 56	14 37	0 50	22 38	0 38	6 36	0 44	22 23	0 37	5 36	13 23	4 35	4 59	16 36	16 0	3 14
M 7	9 25	17 49	4 31	18 53	2 49	8 42	0 28	0 32	0 56	14 41	0 50	22 38	0 38	6 35	0 44	22 23	0 37	5 36	13 23	4 36	5 1	16 36	16 1	3 14
T 8	9 47	16 26	3 54	19 10	2 50	8 22	0 32	0 51	0 55	14 45	0 50	22 38	0 38	6 33	0 45	22 23	0 37	5 35	13 24	4 36	5 2	16 35	16 2	3 14
W 9	10 8	14 20	3 7	19 24	2 51	8 1	0 37	1 9	0 55	14 50	0 50	22 38	0 38	6 32	0 45	22 23	0 37	5 35	13 24	4 35	5 3	16 34	16 3	3 14
T 10	10 29	11 36	2 11	19 36	2 50	7 40	0 41	1 28	0 55	14 54	0 50	22 38	0 38	6 31	0 45	22 23	0 37	5 34	13 24	4 35	5 4	16 33	16 4	3 14
F 11	10 50	8 21	1 8	19 44	2 48	7 19	0 45	1 46	0 54	14 58	0 50	22 38	0 38	6 30	0 45	22 23	0 37	5 34	13 24	4 34	5 5	16 32	16 5	3 14
S 12	11 11	4 41	0 2	19 50	2 45	6 58	0 49	2 5	0 54	15 3	0 49	22 38	0 38	6 29	0 45	22 23	0 37	5 33	13 24	4 34	5 7	16 32	16 6	3 14
S 13	11 32	0 44	1n 6	19 53	2 41	6 36	0 53	2 23	0 53	15 7	0 49	22 38	0 38	6 28	0 45	22 22	0 37	5 33	13 24	4 34	5 8	16 31	16 7	3 14
M14	11 52	3s22	2 12	19 53	2 36	6 14	0 57	2 42	0 53	15 11	0 49	22 38	0 38	6 27	0 45	22 22	0 37	5 33	13 24	4 35	5 9	16 30	16 8	3 14
T 15	12 12	7 23	3 12	19 51	2 29	5 52	1 1	3 0	0 53	15 15	0 49	22 38	0 38	6 26	0 45	22 22	0 37	5 32	13 24	4 37	5 10	16 29	16 9	3 14
W16	12 32	11 8	4 4	19 46	2 22	5 29	1 5	3 18	0 52	15 20	0 49	22 38	0 38	6 25	0 45	22 22	0 37	5 32	13 25	4 39	5 12	16 28	16 10	3 14
T 17	12 52	14 20	4 42	19 38	2 13	5 7	1 8	3 37	0 52	15 24	0 49	22 38	0 38	6 24	0 45	22 22	0 37	5 31	13 25	4 42	5 13	16 28	16 11	3 14
F 18	13 12	16 46	5 3	19 27	2 3	4 43	1 12	3 55	0 51	15 28	0 49	22 38	0 38	6 23	0 45	22 22	0 37	5 31	13 25	4 45	5 14	16 27	16 12	3 14
S 19	13 31	18 13	5 7	19 15	1 51	4 20	1 15	4 13	0 51	15 32	0 49	22 38	0 38	6 22	0 45	22 22	0 37	5 30	13 25	4 48	5 15	16 26	16 13	3 14
S 20	13 50	18 31	4 51	18 59	1 39	3 57	1 18	4 31	0 50	15 37	0 49	22 38	0 38	6 21	0 45	22 22	0 37	5 30	13 25	4 50	5 17	16 25	16 14	3 14
M21	14 9	17 39	4 18	18 42	1 26	3 33	1 21	4 49	0 50	15 41	0 49	22 38	0 38	6 21	0 45	22 22	0 37	5 30	13 25	4 51	5 18	16 24	16 15	3 14
T 22	14 28	15 41	3 29	18 23	1 11	3 9	1 24	5 7	0 49	15 45	0 49	22 38	0 38	6 20	0 45	22 22	0 37	5 29	13 25	4 52	5 19	16 23	16 16	3 14
W23	14 47	12 46	2 27	18 1	0 56	2 45	1 27	5 25	0 49	15 49	0 48	22 39	0 38	6 19	0 45	22 22	0 37	5 29	13 25	4 52	5 20	16 23	16 18	3 14
T 24	15 5	9 8	1 17	17 38	0 40	2 21	1 30	5 43	0 49	15 53	0 48	22 39	0 38	6 18	0 45	22 22	0 37	5 28	13 25	4 51	5 22	16 22	16 19	3 14
F 25	15 23	5 1	0 3	17 14	0 24	1 57	1 33	6 1	0 48	15 58	0 48	22 39	0 38	6 17	0 45	22 22	0 36	5 28	13 25	4 51	5 23	16 21	16 20	3 14
S 26	15 41	0 41	1s10	16 48	0 7	1 32	1 35	6 18	0 48	16 2	0 48	22 39	0 38	6 16	0 45	22 22	0 36	5 27	13 25	4 51	5 24	16 20	16 21	3 14
S 27	15 58	3n39	2 19	16 22	0s11	1 7	1 37	6 36	0 47	16 6	0 48	22 39	0 38	6 15	0 45	22 21	0 36	5 27	13 25	4 52	5 25	16 19	16 22	3 15
M28	16 15	7 45	3 19	15 55	0 28	0 42	1 40	6 53	0 47	16 10	0 48	22 39	0 37	6 15	0 45	22 21	0 36	5 27	13 25	4 54	5 27	16 18	16 23	3 15
T 29	16 32	11 24	4 6	15 28	0 46	0 18	1 42	7 11	0 46	16 14	0 48	22 39	0 37	6 14	0 45	22 21	0 36	5 26	13 25	4 57	5 28	16 18	16 24	3 15
W30	16n49	14n25	4s40	15n 1	1s 3	0n 8	1s44	7n28	0s46	16n18	0s48	22s39	0n37	6s13	0s45	22n21	0s36	5s26	13n25	5n 1	5n29	16n17	16n25	3s15

Julian Day Number = 2178806.5, Delta T = 11m40s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'36, Lahiri = 13°26'36 Julian Calendar 1 Apr. 1253 == Greg. Calendar 8 Apr. 1253

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ASTRODIENST EPHEMERIS for the year 1253
geocentric

MAY 1253 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 4 17	17♉24'29	7♊11	13°R 8	5♈26	21♈37	17♉32	8°R10	16♓ 5	12♋24	22°R18	17°R10	16♍ 6	2♌13	27♉ 6	T 1
F 2	15 8 14	18°22'11	19°43	12♉35	6°34	22°21	17°47	8♏ 8	16° 7	12°25	22♏16	16♍59	16° 3	2°19	27°11	F 2
S 3	15 12 10	19°19'52	2♋ 0	12° 5	7°42	23° 6	18° 1	8° 6	16° 9	12°26	22°14	16°50	16° 0	2°26	27°15	S 3
S 4	15 16 7	20°17'32	14° 5	11°36	8°51	23°51	18°15	8° 4	16°11	12°28	22°13	16°42	15°56	2°33	27°20	S 4
M 5	15 20 3	21°15'10	26° 1	11°11	9°59	24°35	18°29	8° 2	16°13	12°29	22°11	16°37	15°53	2°39	27°25	M 5
T 6	15 24 0	22°12'47	7♌52	10°49	11° 7	25°20	18°43	7°59	16°15	12°31	22° 9	16°33	15°50	2°46	27°30	T 6
W 7	15 27 56	23°10'22	19°42	10°30	12°16	26° 4	18°57	7°57	16°17	12°33	22° 8	16°D32	15°47	2°53	27°34	W 7
T 8	15 31 53	24° 7'55	1♍37	10°16	13°24	26°49	19°11	7°54	16°18	12°34	22° 6	16°32	15°44	2°59	27°39	T 8
F 9	15 35 50	25° 5'28	13°41	10° 5	14°33	27°33	19°25	7°52	16°20	12°36	22° 4	16°R33	15°41	3° 6	27°44	F 9
S 10	15 39 46	26° 2'58	26° 1	9°59	15°42	28°17	19°39	7°49	16°22	12°37	22° 3	16°33	15°37	3°13	27°49	S 10
S 11	15 43 43	27° 0'28	8♎40	9°D57	16°50	29° 2	19°53	7°46	16°23	12°39	22° 1	16°31	15°34	3°20	27°53	S 11
M12	15 47 39	27°57'56	21°43	10° 0	17°59	29°46	20° 7	7°44	16°25	12°41	21°59	16°26	15°31	3°26	27°58	M12
T 13	15 51 36	28°55'23	5♏10	10° 7	19° 8	0♉30	20°21	7°41	16°26	12°42	21°58	16°19	15°28	3°33	28° 3	T 13
W14	15 55 32	29°52'48	19° 2	10°19	20°17	1°14	20°35	7°38	16°28	12°44	21°56	16°10	15°25	3°40	28° 8	W14
T 15	15 59 29	0♊50'13	3♐14	10°35	21°26	1°58	20°49	7°35	16°29	12°46	21°55	16° 0	15°21	3°46	28°12	T 15
F 16	16 3 25	1°47'37	17°43	10°55	22°36	2°42	21° 3	7°32	16°31	12°48	21°53	15°49	15°18	3°53	28°17	F 16
S 17	16 7 22	2°45'00	2♑21	11°20	23°45	3°26	21°17	7°28	16°32	12°49	21°51	15°39	15°15	4° 0	28°22	S 17
S 18	16 11 19	3°42'22	17° 0	11°49	24°54	4°10	21°31	7°25	16°34	12°51	21°50	15°31	15°12	4° 6	28°27	S 18
M19	16 15 15	4°39'44	1♒34	12°23	26° 4	4°54	21°45	7°22	16°35	12°53	21°48	15°25	15° 9	4°13	28°32	M19
T 20	16 19 12	5°37'05	15°58	13° 0	27°13	5°37	21°59	7°19	16°36	12°55	21°47	15°22	15° 6	4°20	28°36	T 20
W21	16 23 8	6°34'25	0♓10	13°42	28°23	6°21	22°13	7°15	16°37	12°57	21°45	15°21	15° 2	4°26	28°41	W21
T 22	16 27 5	7°31'45	14° 7	14°27	29°33	7° 5	22°27	7°12	16°38	12°59	21°43	15°21	14°59	4°33	28°46	T 22
F 23	16 31 1	8°29'04	27°50	15°17	0♉42	7°48	22°41	7° 8	16°40	13° 1	21°42	15°21	14°56	4°40	28°51	F 23
S 24	16 34 58	9°26'23	11♈19	16°10	1°52	8°32	22°54	7° 5	16°41	13° 2	21°40	15°19	14°53	4°46	28°55	S 24
S 25	16 38 54	10°23'41	24°37	17° 7	3° 2	9°15	23° 8	7° 1	16°42	13° 4	21°39	15°15	14°50	4°53	29° 0	S 25
M26	16 42 51	11°20'59	7♉43	18° 7	4°12	9°59	23°22	6°57	16°43	13° 6	21°37	15° 8	14°47	5° 0	29° 5	M26
T 27	16 46 48	12°18'17	20°37	19°11	5°22	10°42	23°36	6°53	16°43	13° 8	21°36	14°58	14°43	5° 6	29° 9	T 27
W28	16 50 44	13°15'34	3♊20	20°19	6°32	11°25	23°49	6°50	16°44	13°10	21°34	14°46	14°40	5°13	29°14	W28
T 29	16 54 41	14°12'51	15°51	21°30	7°42	12° 9	24° 3	6°46	16°45	13°12	21°33	14°33	14°37	5°20	29°19	T 29
F 30	16 58 37	15°10'07	28°11	22°44	8°52	12°52	24°17	6°42	16°46	13°14	21°31	14°19	14°34	5°26	29°23	F 30
S 31	17 2 34	16♊ 7'22	10♋20	24♉ 2	10♉ 2	13♉35	24♉30	6♏38	16♓47	13♋16	21♏30	14♍ 7	14♍31	5♌33	29♉28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 6	16n40	4s59	14n35	1s20	0n33	1s46	7n45	0s45	16n22	0s48	22s40	0n37	6s12	0s45	22n21	0s36	5s26	13n25	5n 5	5n30	16n16	16n26	3s15
F 2	17 22	18 5	5 4	14 9	1 36	0 58	1 48	8 3	0 45	16 26	0 48	22 40	0 37	6 11	0 45	22 21	0 36	5 25	13 25	5 10	5 32	16 15	16 27	3 15
S 3	17 38	18 38	4 54	13 45	1 52	1 23	1 50	8 20	0 44	16 30	0 48	22 40	0 37	6 11	0 45	22 21	0 36	5 25	13 25	5 13	5 33	16 14	16 28	3 15
S 4	17 53	18 18	4 30	13 22	2 7	1 49	1 52	8 37	0 44	16 34	0 48	22 40	0 37	6 10	0 45	22 21	0 36	5 25	13 25	5 16	5 34	16 13	16 29	3 15
M 5	18 9	17 10	3 56	13 0	2 21	2 14	1 53	8 54	0 43	16 38	0 48	22 40	0 37	6 9	0 45	22 21	0 36	5 24	13 25	5 18	5 35	16 12	16 30	3 15
T 6	18 24	15 18	3 11	12 41	2 35	2 40	1 55	9 11	0 43	16 42	0 47	22 40	0 37	6 9	0 45	22 20	0 36	5 24	13 25	5 20	5 36	16 11	16 31	3 15
W 7	18 38	12 47	2 18	12 23	2 47	3 5	1 56	9 27	0 42	16 46	0 47	22 41	0 37	6 8	0 45	22 20	0 36	5 24	13 25	5 20	5 38	16 11	16 32	3 15
T 8	18 53	9 43	1 19	12 8	2 58	3 31	1 57	9 44	0 42	16 50	0 47	22 41	0 37	6 7	0 45	22 20	0 36	5 23	13 24	5 20	5 39	16 10	16 33	3 15
F 9	19 7	6 12	0 15	11 55	3 8	3 56	1 58	10 0	0 41	16 54	0 47	22 41	0 37	6 7	0 45	22 20	0 36	5 23	13 24	5 20	5 40	16 9	16 34	3 15
S 10	19 21	2 21	0n50	11 45	3 17	4 22	1 59	10 17	0 40	16 58	0 47	22 41	0 37	6 6	0 45	22 20	0 36	5 23	13 24	5 20	5 41	16 8	16 35	3 15
S 11	19 34	1s42	1 55	11 37	3 25	4 47	2 0	10 33	0 40	17 1	0 47	22 41	0 37	6 5	0 45	22 20	0 36	5 22	13 24	5 21	5 43	16 7	16 36	3 15
M12	19 47	5 47	2 55	11 31	3 32	5 13	2 1	10 49	0 39	17 5	0 47	22 41	0 37	6 5	0 46	22 20	0 36	5 22	13 24	5 22	5 44	16 6	16 37	3 15
T 13	20 0	9 43	3 48	11 28	3 37	5 38	2 2	11 5	0 39	17 9	0 47	22 42	0 37	6 4	0 46	22 20	0 36	5 22	13 24	5 25	5 45	16 5	16 38	3 16
W14	20 12	13 14	4 29	11 27	3 42	6 4	2 3	11 21	0 38	17 13	0 47	22 42	0 37	6 4	0 46	22 19	0 36	5 22	13 24	5 29	5 46	16 4	16 39	3 16
T 15	20 24	16 4	4 54	11 29	3 45	6 29	2 3	11 37	0 38	17 17	0 47	22 42	0 37	6 3	0 46	22 19	0 36	5 21	13 24	5 33	5 48	16 4	16 39	3 16
F 16	20 36	17 58	5 1	11 33	3 48	6 55	2 4	11 53	0 37	17 20	0 47	22 42	0 37	6 3	0 46	22 19	0 36	5 21	13 23	5 37	5 49	16 3	16 40	3 16
S 17	20 48	18 42	4 49	11 39	3 49	7 20	2 4	12 8	0 37	17 24	0 47	22 43	0 37	6 2	0 46	22 19	0 36	5 21	13 23	5 41	5 50	16 2	16 41	3 16
S 18	20 59	18 11	4 18	11 48	3 50	7 45	2 4	12 24	0 36	17 28	0 47	22 43	0 37	6 2	0 46	22 19	0 36	5 21	13 23	5 44	5 51	16 1	16 42	3 16
M19	21 9	16 29	3 30	11 59	3 49	8 10	2 4	12 39	0 35	17 31	0 47	22 43	0 37	6 1	0 46	22 19	0 36	5 20	13 23	5 46	5 52	16 0	16 43	3 16
T 20	21 20	13 45	2 29	12 11	3 48	8 35	2 4	12 54	0 35	17 35	0 47	22 43	0 37	6 1	0 46	22 19	0 36	5 20	13 23	5 47	5 54	15 59	16 44	3 16
W21	21 30	10 13	1 20	12 26	3 45	9 0	2 4	13 9	0 34	17 39	0 47	22 44	0 37	6 0	0 46	22 18	0 36	5 20	13 23	5 48	5 55	15 58	16 45	3 16
T 22	21 39	6 10	0 7	12 42	3 42	9 25	2 4	13 24	0 34	17 42	0 47	22 44	0 37	6 0	0 46	22 18	0 36	5 20	13 22	5 48	5 56	15 57	16 46	3 17
F 23	21 48	1 52	1s 6	13 0	3 38	9 49	2 4	13 39	0 33	17 46	0 46	22 44	0 36	5 59	0 46	22 18	0 36	5 20	13 22	5 48	5 57	15 56	16 47	3 17
S 24	21 57	2n28	2 13	13 20	3 34	10 14	2 4	13 53	0 32	17 49	0 46	22 44	0 36	5 59	0 46	22 18	0 36	5 19	13 22	5 49	5 59	15 55	16 48	3 17
S 25	22 6	6 36	3 12	13 41	3 28	10 38	2 4	14 8	0 32	17 53	0 46	22 44	0 36	5 59	0 46	22 18	0 36	5 19	13 22	5 50	6 0	15 54	16 49	3 17
M26	22 14	10 22	3 59	14 3	3 22	11 2	2 3	14 22	0 31	17 56	0 46	22 45	0 36	5 58	0 46	22 18	0 36	5 19	13 21	5 53	6 1	15 53	16 50	3 17
T 27	22 21	13 34	4 34	14 27	3 15	11 26	2 2	14 37	0 31	18 0	0 46	22 45	0 36	5 58	0 46	22 17	0 36	5 19	13 21	5 57	6 2	15 53	16 50	3 17
W28	22 29	16 5	4 54	14 52	3 8	11 50	2 2	14 51	0 30	18 3	0 46	22 45	0 36	5 58	0 46	22 17	0 36	5 19	13 21	6 1	6 4	15 52	16 51	3 17
T 29	22 36	17 48	5 0	15 18	3 0	12 13	2 1	15 5	0 29	18 7	0 46	22 46	0 36	5 57	0 46	22 17	0 36	5 19	13 21	6 6	6 5	15 51	16 52	3 17
F 30	22 42	18 40	4 52	15 46	2 52	12 37	2 0	15 18	0 29	18 10	0 46	22 46	0 36	5 57	0 46	22 17	0 36	5 19	13 20	6 12	6 6	15 50	16 53	3 18
S 31	22n48	18n39	4s30	16n13	2s43	13n 0	1s59	15n32	0s28	18n13	0s46	22s46	0n36	5s57	0s46	22n17	0s36	5s19	13n20	6n16	6n 7	15n49	16n54	3s18

Julian Day Number = 2178836.5, Delta T = 11m40s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'40, Lahiri = 13°26'40 Julian Calendar 1 May 1253 == Greg. Calendar 8 May 1253

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ASTRODIENST EPHEMERIS for the year 1253
geocentric

JUNE 1253 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 6 30	17♊ 4'37	22♋20	25♉23	11♉13	14♉18	24♉44	6°R34	16♓47	13♋18	21°R28	13°R57	14♍27	5♌40	29♉33	S 1
M 2	17 10 27	18° 1'51	4♌13	26°47	12°23	15° 1	24°57	6♑30	16°48	13°20	21♏27	13♍49	14°24	5°46	29°37	M 2
T 3	17 14 23	18°59'05	16° 1	28°14	13°33	15°44	25°11	6°26	16°48	13°22	21°25	13°45	14°21	5°53	29°42	T 3
W 4	17 18 20	19°56'18	27°49	29°45	14°44	16°27	25°24	6°22	16°49	13°25	21°24	13°42	14°18	6° 0	29°47	W 4
T 5	17 22 17	20°53'30	9♍43	1♊19	15°54	17° 9	25°37	6°17	16°50	13°27	21°23	13°D41	14°15	6° 6	29°51	T 5
F 6	17 26 13	21°50'42	21°46	2°56	17° 5	17°52	25°51	6°13	16°50	13°29	21°21	13°R41	14°12	6°13	29°56	F 6
S 7	17 30 10	22°47'53	4♎ 4	4°36	18°16	18°35	26° 4	6° 9	16°50	13°31	21°20	13°41	14° 8	6°20	0♊ 0	S 7
S 8	17 34 6	23°45'04	16°43	6°19	19°26	19°17	26°17	6° 5	16°51	13°33	21°19	13°39	14° 5	6°26	0° 5	S 8
M 9	17 38 3	24°42'14	29°47	8° 5	20°37	20° 0	26°30	6° 0	16°51	13°35	21°17	13°35	14° 2	6°33	0° 9	M 9
T 10	17 41 59	25°39'24	13♏18	9°54	21°48	20°42	26°44	5°56	16°51	13°37	21°16	13°29	13°59	6°40	0°14	T 10
W11	17 45 56	26°36'33	27°18	11°46	22°59	21°25	26°57	5°52	16°51	13°39	21°15	13°21	13°56	6°47	0°18	W11
T 12	17 49 52	27°33'43	11♐43	13°41	24° 9	22° 7	27°10	5°47	16°51	13°41	21°13	13°10	13°53	6°53	0°22	T 12
F 13	17 53 49	28°30'52	26°30	15°38	25°20	22°49	27°23	5°43	16°52	13°44	21°12	13° 0	13°49	7° 0	0°27	F 13
S 14	17 57 46	29°28'01	11♑28	17°37	26°31	23°32	27°36	5°39	16°R52	13°46	21°11	12°50	13°46	7° 7	0°31	S 14
S 15	18 1 42	0♋25'10	26°30	19°39	27°42	24°14	27°49	5°34	16°52	13°48	21°10	12°42	13°43	7°13	0°36	S 15
M16	18 5 39	1°22'19	11♒25	21°42	28°53	24°56	28° 2	5°30	16°52	13°50	21° 9	12°37	13°40	7°20	0°40	M16
T 17	18 9 35	2°19'28	26° 7	23°48	0♊ 5	25°38	28°14	5°26	16°51	13°52	21° 8	12°34	13°37	7°27	0°44	T 17
W18	18 13 32	3°16'38	10♓31	25°54	1°16	26°20	28°27	5°21	16°51	13°55	21° 6	12°D33	13°33	7°33	0°48	W18
T 19	18 17 28	4°13'48	24°34	28° 2	2°27	27° 2	28°40	5°17	16°51	13°57	21° 5	12°33	13°30	7°40	0°53	T 19
F 20	18 21 25	5°10'59	8♈16	0♋11	3°38	27°44	28°52	5°12	16°51	13°59	21° 4	12°R33	13°27	7°47	0°57	F 20
S 21	18 25 21	6° 8'10	21°39	2°20	4°50	28°25	29° 5	5° 8	16°51	14° 1	21° 3	12°32	13°24	7°53	1° 1	S 21
S 22	18 29 18	7° 5'21	4♉44	4°30	6° 1	29° 7	29°17	5° 3	16°50	14° 3	21° 2	12°29	13°21	8° 0	1° 5	S 22
M23	18 33 15	8° 2'33	17°35	6°40	7°12	29°49	29°30	4°59	16°50	14° 6	21° 1	12°23	13°18	8° 7	1° 9	M23
T 24	18 37 11	8°59'45	0♊13	8°49	8°24	0♊30	29°42	4°55	16°49	14° 8	21° 0	12°16	13°14	8°13	1°13	T 24
W25	18 41 8	9°56'58	12°39	10°58	9°36	1°12	29°55	4°50	16°49	14°10	20°59	12° 6	13°11	8°20	1°17	W25
T 26	18 45 4	10°54'12	24°56	13° 6	10°47	1°53	0♊ 7	4°46	16°48	14°12	20°58	11°55	13° 8	8°27	1°21	T 26
F 27	18 49 1	11°51'26	7♋ 3	15°13	11°59	2°35	0°19	4°41	16°48	14°14	20°57	11°44	13° 5	8°33	1°25	F 27
S 28	18 52 57	12°48'40	19° 3	17°19	13°11	3°16	0°31	4°37	16°47	14°17	20°57	11°33	13° 2	8°40	1°29	S 28
S 29	18 56 54	13°45'55	0♌57	19°23	14°22	3°57	0°43	4°33	16°47	14°19	20°56	11°25	12°59	8°47	1°33	S 29
M30	19 0 51	14♋43'10	12♌46	21♋26	15♊34	4♊39	0♊55	4♑28	16♓46	14♋21	20♏55	11♍19	12♍55	8♌53	1♊37	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n54	17n47	3s56	16n42	2s33	13n22	1s59	15n45	0s27	18n17	0s46	22s46	0n36	5s57	0s46	22n17	0s36	5s19	13n20	6n20	6n 8	15n48	16n55	3s18
M 2	23 0	16 10	3 13	17 11	2 23	13 45	1 57	15 59	0 27	18 20	0 46	22 47	0 36	5 57	0 46	22 16	0 36	5 18	13 20	6 23	6 10	15 47	16 55	3 18
T 3	23 4	13 51	2 21	17 41	2 13	14 7	1 56	16 12	0 26	18 23	0 46	22 47	0 36	5 56	0 46	22 16	0 36	5 18	13 19	6 25	6 11	15 46	16 56	3 18
W 4	23 9	10 59	1 23	18 11	2 2	14 29	1 55	16 25	0 25	18 27	0 46	22 47	0 36	5 56	0 46	22 16	0 36	5 18	13 19	6 26	6 12	15 45	16 57	3 18
T 5	23 13	7 38	0 21	18 41	1 51	14 51	1 54	16 38	0 25	18 30	0 46	22 47	0 36	5 56	0 46	22 16	0 36	5 18	13 19	6 26	6 13	15 44	16 58	3 19
F 6	23 17	3 56	0n43	19 11	1 40	15 12	1 53	16 50	0 24	18 33	0 46	22 48	0 36	5 56	0 46	22 16	0 35	5 18	13 18	6 26	6 15	15 43	16 59	3 19
S 7	23 20	0s 0	1 46	19 41	1 29	15 33	1 51	17 3	0 23	18 36	0 46	22 48	0 36	5 56	0 46	22 15	0 35	5 18	13 18	6 26	6 16	15 42	16 59	3 19
S 8	23 23	4 3	2 46	20 11	1 17	15 54	1 50	17 15	0 23	18 39	0 46	22 48	0 35	5 56	0 47	22 15	0 35	5 18	13 18	6 27	6 17	15 41	17 0	3 19
M 9	23 26	8 2	3 39	20 40	1 5	16 14	1 48	17 27	0 22	18 42	0 46	22 48	0 35	5 56	0 47	22 15	0 35	5 18	13 17	6 29	6 18	15 40	17 1	3 19
T 10	23 28	11 44	4 21	21 9	0 53	16 34	1 47	17 39	0 21	18 45	0 46	22 49	0 35	5 56	0 47	22 15	0 35	5 18	13 17	6 31	6 20	15 39	17 2	3 19
W11	23 29	14 55	4 50	21 36	0 42	16 54	1 45	17 51	0 21	18 48	0 46	22 49	0 35	5 55	0 47	22 15	0 35	5 18	13 17	6 34	6 21	15 38	17 2	3 20
T 12	23 31	17 18	5 2	22 2	0 30	17 13	1 43	18 3	0 20	18 51	0 46	22 49	0 35	5 55	0 47	22 14	0 35	5 18	13 16	6 38	6 22	15 37	17 3	3 20
F 13	23 32	18 36	4 54	22 27	0 18	17 32	1 41	18 14	0 19	18 54	0 46	22 49	0 35	5 55	0 47	22 14	0 35	5 18	13 16	6 42	6 23	15 36	17 4	3 20
S 14	23 32	18 38	4 25	22 51	0 6	17 50	1 40	18 26	0 19	18 57	0 46	22 50	0 35	5 55	0 47	22 14	0 35	5 18	13 16	6 46	6 24	15 35	17 5	3 20
S 15	23 32	17 21	3 39	23 13	0n 5	18 8	1 38	18 37	0 18	19 0	0 46	22 50	0 35	5 56	0 47	22 14	0 35	5 18	13 15	6 49	6 26	15 34	17 5	3 20
M16	23 32	14 54	2 37	23 32	0 16	18 26	1 36	18 48	0 17	19 3	0 46	22 50	0 35	5 56	0 47	22 14	0 35	5 18	13 15	6 51	6 27	15 33	17 6	3 21
T 17	23 31	11 31	1 26	23 50	0 26	18 43	1 34	18 58	0 17	19 6	0 46	22 51	0 35	5 56	0 47	22 13	0 35	5 19	13 15	6 52	6 28	15 32	17 7	3 21
W18	23 30	7 29	0 11	24 5	0 37	19 0	1 32	19 9	0 16	19 9	0 46	22 51	0 35	5 56	0 47	22 13	0 35	5 19	13 14	6 53	6 29	15 31	17 7	3 21
T 19	23 28	3 8	1s 4	24 17	0 46	19 16	1 30	19 19	0 15	19 12	0 46	22 51	0 35	5 56	0 47	22 13	0 35	5 19	13 14	6 53	6 31	15 30	17 8	3 21
F 20	23 26	1n16	2 12	24 27	0 55	19 32	1 27	19 30	0 15	19 15	0 46	22 51	0 35	5 56	0 47	22 13	0 35	5 19	13 13	6 53	6 32	15 29	17 9	3 21
S 21	23 23	5 30	3 12	24 35	1 4	19 47	1 25	19 40	0 14	19 17	0 46	22 52	0 34	5 56	0 47	22 12	0 35	5 19	13 13	6 53	6 33	15 28	17 9	3 22
S 22	23 21	9 22	4 1	24 39	1 12	20 2	1 23	19 50	0 13	19 20	0 46	22 52	0 34	5 56	0 47	22 12	0 35	5 19	13 13	6 54	6 34	15 27	17 10	3 22
M23	23 17	12 44	4 36	24 40	1 19	20 16	1 21	19 59	0 12	19 23	0 46	22 52	0 34	5 56	0 47	22 12	0 35	5 19	13 12	6 56	6 35	15 26	17 10	3 22
T 24	23 14	15 26	4 57	24 39	1 25	20 30	1 18	20 9	0 12	19 25	0 46	22 52	0 34	5 57	0 47	22 12	0 35	5 19	13 12	6 59	6 37	15 25	17 11	3 22
W25	23 10	17 23	5 4	24 35	1 31	20 44	1 16	20 18	0 11	19 28	0 46	22 53	0 34	5 57	0 47	22 12	0 35	5 20	13 11	7 3	6 38	15 24	17 12	3 23
T 26	23 5	18 30	4 56	24 28	1 36	20 56	1 13	20 27	0 10	19 31	0 46	22 53	0 34	5 57	0 47	22 11	0 35	5 20	13 11	7 7	6 39	15 23	17 12	3 23
F 27	23 0	18 46	4 35	24 19	1 40	21 8	1 11	20 36	0 10	19 33	0 46	22 53	0 34	5 57	0 47	22 11	0 35	5 20	13 11	7 12	6 40	15 22	17 13	3 23
S 28	22 55	18 11	4 2	24 7	1 43	21 20	1 9	20 45	0 9	19 36	0 46	22 53	0 34	5 58	0 47	22 11	0 35	5 20	13 10	7 15	6 42	15 21	17 13	3 23
S 29	22 49	16 48	3 18	23 52	1 46	21 31	1 6	20 53	0 8	19 38	0 46	22 54	0 34	5 58	0 47	22 11	0 35	5 20	13 10	7 19	6 43	15 20	17 14	3 24
M30	22n43	14n42	2s27	23n35	1n48	21n42	1s 4	21n 2	0s 7	19n41	0s46	22s54	0n34	5s58	0s47	22n10	0s35	5s21	13n 9	7n21	6n44	15n19	17n14	3s24

Julian Day Number = 2178867.5, Delta T = 11m40s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'44, Lahiri = 13°26'45 Julian Calendar 1 June 1253 == Greg. Calendar 8 June 1253

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ASTRODIENST EPHEMERIS for the year 1253
geocentric

JULY 1253 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 4 47	15♋40'25	24♌33	23♋28	16♊46	5♊20	1♊ 7	4°R24	16°R45	14♋23	20°R54	11°R15	12♍52	9♌ 0	1♊41	T 1
W 2	19 8 44	16°37'41	6♍21	25°29	17°58	6° 1	1°19	4♉20	16♓44	14°26	20♏54	11°D13	12°49	9° 7	1°45	W 2
T 3	19 12 40	17°34'57	18°14	27°27	19°10	6°42	1°30	4°15	16°43	14°28	20°53	11♍13	12°46	9°13	1°48	T 3
F 4	19 16 37	18°32'13	0♎17	29°24	20°22	7°23	1°42	4°11	16°43	14°30	20°52	11°14	12°43	9°20	1°52	F 4
S 5	19 20 33	19°29'30	12°34	1♌20	21°34	8° 4	1°54	4° 7	16°42	14°32	20°51	11°15	12°39	9°27	1°56	S 5
S 6	19 24 30	20°26'47	25°11	3°13	22°46	8°44	2° 5	4° 3	16°41	14°35	20°51	11°R15	12°36	9°33	1°59	S 6
M 7	19 28 26	21°24'05	8♏11	5° 5	23°58	9°25	2°16	3°59	16°40	14°37	20°50	11°14	12°33	9°40	2° 3	M 7
T 8	19 32 23	22°21'23	21°39	6°55	25°10	10° 6	2°28	3°55	16°38	14°39	20°50	11°11	12°30	9°47	2° 7	T 8
W 9	19 36 19	23°18'41	5♐36	8°44	26°22	10°46	2°39	3°51	16°37	14°41	20°49	11° 6	12°27	9°53	2°10	W 9
T 10	19 40 16	24°16'01	20° 2	10°31	27°34	11°27	2°50	3°47	16°36	14°43	20°49	10°59	12°24	10° 0	2°13	T 10
F 11	19 44 13	25°13'20	4♑52	12°16	28°47	12° 7	3° 1	3°43	16°35	14°46	20°48	10°52	12°20	10° 7	2°17	F 11
S 12	19 48 9	26°10'41	19°58	13°59	29°59	12°47	3°12	3°39	16°34	14°48	20°48	10°46	12°17	10°13	2°20	S 12
S 13	19 52 6	27° 8'02	5♒12	15°41	1♋12	13°28	3°23	3°35	16°33	14°50	20°47	10°41	12°14	10°20	2°23	S 13
M14	19 56 2	28° 5'24	20°22	17°21	2°24	14° 8	3°34	3°31	16°31	14°52	20°47	10°37	12°11	10°27	2°27	M14
T 15	19 59 59	29° 2'48	5♓20	18°59	3°36	14°48	3°44	3°27	16°30	14°54	20°47	10°D36	12° 8	10°33	2°30	T 15
W16	20 3 55	0♌ 0'12	19°59	20°36	4°49	15°28	3°55	3°23	16°28	14°57	20°46	10°36	12° 5	10°40	2°33	W16
T 17	20 7 52	0°57'37	4♈14	22°11	6° 2	16° 8	4° 5	3°20	16°27	14°59	20°46	10°37	12° 1	10°47	2°36	T 17
F 18	20 11 48	1°55'04	18° 4	23°44	7°14	16°48	4°16	3°16	16°26	15° 1	20°46	10°39	11°58	10°53	2°39	F 18
S 19	20 15 45	2°52'32	1♉30	25°16	8°27	17°28	4°26	3°13	16°24	15° 3	20°46	10°R39	11°55	11° 0	2°42	S 19
S 20	20 19 42	3°50'02	14°33	26°46	9°40	18° 8	4°36	3° 9	16°22	15° 5	20°45	10°39	11°52	11° 7	2°45	S 20
M21	20 23 38	4°47'33	27°17	28°14	10°52	18°48	4°46	3° 6	16°21	15° 7	20°45	10°37	11°49	11°13	2°48	M21
T 22	20 27 35	5°45'05	9♊46	29°41	12° 5	19°27	4°56	3° 2	16°19	15° 9	20°45	10°33	11°45	11°20	2°51	T 22
W23	20 31 31	6°42'39	22° 1	1♍ 6	13°18	20° 7	5° 6	2°59	16°18	15°11	20°45	10°28	11°42	11°27	2°54	W23
T 24	20 35 28	7°40'14	4♋ 7	2°29	14°31	20°46	5°16	2°56	16°16	15°14	20°45	10°23	11°39	11°33	2°56	T 24
F 25	20 39 24	8°37'51	16° 5	3°50	15°44	21°26	5°26	2°53	16°14	15°16	20°D45	10°17	11°36	11°40	2°59	F 25
S 26	20 43 21	9°35'29	27°57	5°10	16°57	22° 5	5°35	2°49	16°12	15°18	20°45	10°12	11°33	11°47	3° 2	S 26
S 27	20 47 18	10°33'08	9♌47	6°28	18°10	22°45	5°44	2°46	16°11	15°20	20°45	10° 7	11°30	11°53	3° 4	S 27
M28	20 51 14	11°30'48	21°35	7°43	19°23	23°24	5°54	2°43	16° 9	15°22	20°45	10° 5	11°26	12° 0	3° 7	M28
T 29	20 55 11	12°28'30	3♍23	8°57	20°36	24° 3	6° 3	2°41	16° 7	15°24	20°45	10° 3	11°23	12° 7	3° 9	T 29
W30	20 59 7	13°26'12	15°15	10° 9	21°50	24°42	6°12	2°38	16° 5	15°26	20°45	10°D 3	11°20	12°13	3°12	W30
T 31	21 3 4	14♌23'57	27♍13	11♍18	23♋ 3	25♊21	6♊21	2♉35	16♓ 3	15♋28	20♏46	10♍ 4	11♍17	12♌20	3♊14	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n37	12n 0	1s28	23n16	1n49	21n52	1s 1	21n10	0s 7	19n43	0s46	22s54	0n34	5s59	0s47	22n10	0s35	5s21	13n 9	7n22	6n45	15n18	17n15	3s24
W 2	22 30	8 49	0 26	22 55	1 49	22 1	0 58	21 18	0 6	19 45	0 46	22 54	0 33	5 59	0 47	22 10	0 35	5 21	13 8	7 23	6 46	15 17	17 15	3 24
T 3	22 22	5 15	0n38	22 32	1 49	22 10	0 56	21 26	0 5	19 48	0 46	22 55	0 33	5 59	0 47	22 10	0 35	5 21	13 8	7 23	6 48	15 16	17 16	3 25
F 4	22 15	1 26	1 41	22 7	1 49	22 18	0 53	21 33	0 4	19 50	0 46	22 55	0 33	6 0	0 47	22 10	0 35	5 22	13 7	7 23	6 49	15 15	17 16	3 25
S 5	22 7	2s31	2 41	21 41	1 47	22 26	0 50	21 41	0 4	19 53	0 46	22 55	0 33	6 0	0 47	22 9	0 35	5 22	13 7	7 22	6 50	15 14	17 17	3 25
S 6	21 58	6 27	3 35	21 13	1 45	22 32	0 48	21 48	0 3	19 55	0 46	22 55	0 33	6 1	0 48	22 9	0 35	5 22	13 7	7 22	6 51	15 13	17 17	3 25
M 7	21 49	10 12	4 19	20 44	1 43	22 39	0 45	21 55	0 2	19 57	0 46	22 56	0 33	6 1	0 48	22 9	0 35	5 23	13 6	7 23	6 53	15 12	17 18	3 26
T 8	21 40	13 34	4 51	20 13	1 40	22 44	0 42	22 2	0 1	19 59	0 46	22 56	0 33	6 1	0 48	22 9	0 35	5 23	13 6	7 24	6 54	15 11	17 18	3 26
W 9	21 31	16 17	5 7	19 41	1 36	22 49	0 40	22 8	0 1	20 1	0 46	22 56	0 33	6 2	0 48	22 8	0 35	5 23	13 5	7 26	6 55	15 10	17 18	3 26
T 10	21 21	18 6	5 5	19 9	1 32	22 54	0 37	22 15	0n 0	20 4	0 46	22 56	0 33	6 2	0 48	22 8	0 35	5 24	13 5	7 28	6 56	15 9	17 19	3 26
F 11	21 11	18 45	4 42	18 35	1 27	22 58	0 34	22 21	0 1	20 6	0 46	22 56	0 32	6 3	0 48	22 8	0 35	5 24	13 4	7 31	6 57	15 8	17 19	3 27
S 12	21 0	18 5	4 0	18 0	1 22	23 1	0 31	22 27	0 2	20 8	0 46	22 57	0 32	6 3	0 48	22 8	0 35	5 24	13 4	7 33	6 59	15 7	17 20	3 27
S 13	20 49	16 8	3 0	17 25	1 17	23 3	0 29	22 33	0 2	20 10	0 46	22 57	0 32	6 4	0 48	22 7	0 35	5 25	13 3	7 35	7 0	15 6	17 20	3 27
M14	20 38	13 3	1 48	16 49	1 11	23 5	0 26	22 38	0 3	20 12	0 46	22 57	0 32	6 4	0 48	22 7	0 35	5 25	13 3	7 37	7 1	15 5	17 20	3 28
T 15	20 26	9 9	0 29	16 13	1 5	23 6	0 23	22 44	0 4	20 14	0 46	22 57	0 32	6 5	0 48	22 7	0 35	5 25	13 2	7 37	7 2	15 4	17 21	3 28
W16	20 14	4 46	0s51	15 36	0 58	23 6	0 20	22 49	0 5	20 16	0 46	22 57	0 32	6 6	0 48	22 7	0 35	5 26	13 2	7 37	7 4	15 3	17 21	3 28
T 17	20 1	0 13	2 5	14 59	0 51	23 6	0 18	22 54	0 6	20 18	0 46	22 58	0 32	6 6	0 48	22 7	0 35	5 26	13 1	7 37	7 5	15 2	17 21	3 28
F 18	19 49	4n11	3 10	14 21	0 44	23 5	0 15	22 59	0 6	20 20	0 46	22 58	0 32	6 7	0 48	22 6	0 35	5 27	13 1	7 36	7 6	15 0	17 22	3 29
S 19	19 36	8 15	4 2	13 43	0 36	23 4	0 12	23 3	0 7	20 22	0 46	22 58	0 32	6 7	0 48	22 6	0 35	5 27	13 0	7 36	7 7	14 59	17 22	3 29
S 20	19 22	11 48	4 40	13 5	0 28	23 2	0 9	23 8	0 8	20 23	0 46	22 58	0 31	6 8	0 48	22 6	0 35	5 28	13 0	7 36	7 8	14 58	17 22	3 29
M21	19 8	14 42	5 3	12 27	0 20	22 59	0 7	23 12	0 9	20 25	0 46	22 58	0 31	6 9	0 48	22 6	0 35	5 28	12 59	7 37	7 10	14 57	17 22	3 30
T 22	18 54	16 52	5 12	11 49	0 12	22 55	0 4	23 16	0 9	20 27	0 46	22 59	0 31	6 9	0 48	22 5	0 35	5 28	12 59	7 38	7 11	14 56	17 23	3 30
W23	18 40	18 13	5 5	11 11	0 3	22 51	0 1	23 20	0 10	20 29	0 46	22 59	0 31	6 10	0 48	22 5	0 35	5 29	12 58	7 40	7 12	14 55	17 23	3 30
T 24	18 25	18 43	4 46	10 32	0s 6	22 46	0n 2	23 24	0 11	20 30	0 46	22 59	0 31	6 11	0 48	22 5	0 35	5 29	12 58	7 42	7 13	14 54	17 23	3 31
F 25	18 10	18 22	4 13	9 55	0 15	22 40	0 4	23 27	0 12	20 32	0 46	22 59	0 31	6 11	0 48	22 5	0 35	5 30	12 57	7 45	7 14	14 53	17 23	3 31
S 26	17 55	17 13	3 30	9 17	0 24	22 34	0 7	23 30	0 13	20 34	0 46	22 59	0 31	6 12	0 48	22 4	0 35	5 30	12 57	7 47	7 16	14 52	17 23	3 31
S 27	17 40	15 19	2 39	8 40	0 33	22 27	0 10	23 34	0 13	20 35	0 46	23 0	0 31	6 13	0 48	22 4	0 35	5 31	12 56	7 48	7 17	14 51	17 24	3 32
M28	17 24	12 48	1 40	8 2	0 43	22 20	0 12	23 36	0 14	20 37	0 46	23 0	0 31	6 14	0 48	22 4	0 35	5 31	12 56	7 49	7 18	14 50	17 24	3 32
T 29	17 8	9 44	0 37	7 26	0 53	22 11	0 15	23 39	0 15	20 39	0 46	23 0	0 30	6 14	0 48	22 4	0 35	5 32	12 55	7 50	7 19	14 49	17 24	3 32
W30	16 51	6 16	0n29	6 50	1 3	22 3	0 17	23 42	0 16	20 40	0 46	23 0	0 30	6 15	0 48	22 3	0 35	5 33	12 55	7 50	7 21	14 47	17 24	3 33
T 31	16n35	2n32	1n33	6n14	1s13	21n53	0n20	23n44	0n17	20n42	0s46	23s 0	0n30	6s16	0s48	22n 3	0s35	5s33	12n54	7n49	7n22	14n46	17n24	3s33

Julian Day Number = 2178897.5, Delta T = 11m40s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'48, Lahiri = 13°26'49 Julian Calendar 1 July 1253 == Greg. Calendar 8 July 1253

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ASTRODIENST EPHEMERIS for the year 1253
geocentric

AUGUST 1253 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 7 0	15♌21'42	9♎20	12♍26	24♋16	26♊ 0	6♊30	2°R32	16°R 1	15♋30	20♏46	10♍ 6	11♍14	12♌27	3♊16	F 1
S 2	21 10 57	16°19'28	21°41	13°31	25°29	26°39	6°38	2♉30	15♓59	15°32	20°46	10° 7	11°10	12°33	3°18	S 2
S 3	21 14 53	17°17'16	4♏18	14°34	26°43	27°17	6°47	2°27	15°57	15°34	20°46	10° 8	11° 7	12°40	3°21	S 3
M 4	21 18 50	18°15'05	17°16	15°34	27°56	27°56	6°55	2°25	15°55	15°36	20°47	10°R 9	11° 4	12°47	3°23	M 4
T 5	21 22 46	19°12'55	0♐38	16°31	29°10	28°35	7° 3	2°23	15°53	15°38	20°47	10° 9	11° 1	12°53	3°25	T 5
W 6	21 26 43	20°10'46	14°26	17°26	0♌23	29°13	7°12	2°20	15°51	15°40	20°47	10° 7	10°58	13° 0	3°27	W 6
T 7	21 30 40	21° 8'39	28°41	18°18	1°37	29°52	7°20	2°18	15°49	15°42	20°48	10° 5	10°55	13° 7	3°29	T 7
F 8	21 34 36	22° 6'33	13♑21	19° 6	2°50	0♋30	7°27	2°16	15°47	15°43	20°48	10° 3	10°51	13°13	3°30	F 8
S 9	21 38 33	23° 4'29	28°19	19°51	4° 4	1° 8	7°35	2°14	15°45	15°45	20°49	10° 1	10°48	13°20	3°32	S 9
S 10	21 42 29	24° 2'25	13♒29	20°33	5°17	1°46	7°43	2°12	15°42	15°47	20°49	9°59	10°45	13°27	3°34	S 10
M11	21 46 26	25° 0'24	28°41	21°11	6°31	2°25	7°50	2°10	15°40	15°49	20°50	9°58	10°42	13°33	3°35	M11
T 12	21 50 22	25°58'24	13♓46	21°44	7°45	3° 3	7°58	2° 9	15°38	15°51	20°50	9°D58	10°39	13°40	3°37	T 12
W13	21 54 19	26°56'25	28°35	22°14	8°59	3°41	8° 5	2° 7	15°36	15°53	20°51	9°59	10°36	13°47	3°39	W13
T 14	21 58 15	27°54'29	13♈ 1	22°39	10°12	4°18	8°12	2° 5	15°34	15°54	20°52	9°59	10°32	13°53	3°40	T 14
F 15	22 2 12	28°52'34	27° 1	22°59	11°26	4°56	8°19	2° 4	15°31	15°56	20°52	10° 0	10°29	14° 0	3°41	F 15
S 16	22 6 9	29°50'42	10♉35	23°14	12°40	5°34	8°25	2° 3	15°29	15°58	20°53	10° 1	10°26	14° 7	3°43	S 16
S 17	22 10 5	0♍48'51	23°43	23°24	13°54	6°12	8°32	2° 1	15°27	16° 0	20°54	10° 2	10°23	14°13	3°44	S 17
M18	22 14 2	1°47'03	6♊28	23°R28	15° 8	6°49	8°38	2° 0	15°24	16° 1	20°55	10°R 2	10°20	14°20	3°45	M18
T 19	22 17 58	2°45'16	18°55	23°26	16°22	7°27	8°44	1°59	15°22	16° 3	20°56	10° 1	10°16	14°26	3°46	T 19
W20	22 21 55	3°43'32	1♋ 5	23°17	17°36	8° 4	8°51	1°58	15°20	16° 5	20°56	10° 1	10°13	14°33	3°47	W20
T 21	22 25 51	4°41'50	13° 5	23° 3	18°50	8°41	8°57	1°57	15°17	16° 6	20°57	10° 0	10°10	14°40	3°48	T 21
F 22	22 29 48	5°40'10	24°58	22°41	20° 4	9°18	9° 2	1°56	15°15	16° 8	20°58	9°59	10° 7	14°46	3°49	F 22
S 23	22 33 44	6°38'32	6♌47	22°13	21°19	9°55	9° 8	1°56	15°13	16° 9	20°59	9°59	10° 4	14°53	3°50	S 23
S 24	22 37 41	7°36'55	18°35	21°39	22°33	10°32	9°13	1°55	15°10	16°11	21° 0	9°59	10° 1	15° 0	3°51	S 24
M25	22 41 38	8°35'21	0♍25	20°58	23°47	11° 9	9°19	1°54	15° 8	16°12	21° 1	9°59	9°57	15° 6	3°51	M25
T 26	22 45 34	9°33'49	12°18	20°12	25° 1	11°46	9°24	1°54	15° 6	16°14	21° 2	9°58	9°54	15°13	3°52	T 26
W27	22 49 31	10°32'18	24°19	19°20	26°16	12°23	9°29	1°54	15° 3	16°15	21° 3	9°58	9°51	15°20	3°53	W27
T 28	22 53 27	11°30'50	6♎27	18°23	27°30	13° 0	9°33	1°54	15° 1	16°17	21° 4	9°58	9°48	15°26	3°53	T 28
F 29	22 57 24	12°29'23	18°46	17°23	28°44	13°36	9°38	1°53	14°58	16°18	21° 5	9°58	9°45	15°33	3°53	F 29
S 30	23 1 20	13°27'58	1♏17	16°21	29°59	14°13	9°42	1°D53	14°56	16°20	21° 7	9°58	9°42	15°40	3°54	S 30
S 31	23 5 17	14♍26'35	14♏ 2	15♍17	1♍13	14♋49	9♊47	1♉53	14♓54	16♋21	21♏ 8	9♍57	9♍38	15♌46	3♊54	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n18	1s21	2n34	5n39	1s23	21n43	0n22	23n46	0n18	20n43	0s46	23s 0	0n30	6s17	0s48	22n 3	0s35	5s34	12n54	7n49	7n23	14n45	17n24	3s33
S 2	16 0	5 14	3 30	5 5	1 33	21 32	0 25	23 48	0 18	20 45	0 46	23 1	0 30	6 17	0 48	22 3	0 35	5 34	12 53	7 48	7 24	14 44	17 24	3 34
S 3	15 43	8 59	4 16	4 31	1 43	21 21	0 27	23 50	0 19	20 46	0 46	23 1	0 30	6 18	0 48	22 3	0 35	5 35	12 53	7 48	7 25	14 43	17 24	3 34
M 4	15 25	12 24	4 51	3 59	1 53	21 9	0 30	23 51	0 20	20 47	0 46	23 1	0 30	6 19	0 48	22 2	0 35	5 35	12 52	7 48	7 27	14 42	17 24	3 34
T 5	15 7	15 17	5 12	3 27	2 3	20 56	0 32	23 53	0 21	20 49	0 46	23 1	0 30	6 20	0 48	22 2	0 35	5 36	12 52	7 48	7 28	14 41	17 24	3 35
W 6	14 49	17 24	5 15	2 56	2 13	20 43	0 35	23 54	0 22	20 50	0 46	23 1	0 29	6 21	0 48	22 2	0 35	5 36	12 51	7 48	7 29	14 40	17 25	3 35
T 7	14 30	18 32	5 0	2 27	2 23	20 29	0 37	23 55	0 23	20 51	0 46	23 1	0 29	6 21	0 48	22 2	0 35	5 37	12 51	7 49	7 30	14 39	17 25	3 35
F 8	14 12	18 29	4 24	1 59	2 33	20 14	0 39	23 55	0 23	20 53	0 47	23 2	0 29	6 22	0 48	22 1	0 35	5 38	12 50	7 50	7 31	14 37	17 25	3 36
S 9	13 53	17 8	3 31	1 32	2 43	19 59	0 41	23 56	0 24	20 54	0 47	23 2	0 29	6 23	0 48	22 1	0 35	5 38	12 50	7 51	7 33	14 36	17 25	3 36
S 10	13 34	14 35	2 22	1 7	2 53	19 44	0 44	23 56	0 25	20 55	0 47	23 2	0 29	6 24	0 48	22 1	0 35	5 39	12 49	7 51	7 34	14 35	17 25	3 36
M11	13 14	11 0	1 2	0 43	3 2	19 27	0 46	23 57	0 26	20 56	0 47	23 2	0 29	6 25	0 48	22 1	0 35	5 40	12 48	7 52	7 35	14 34	17 24	3 37
T 12	12 55	6 44	0s21	0 21	3 12	19 11	0 48	23 57	0 27	20 57	0 47	23 2	0 29	6 26	0 48	22 1	0 35	5 40	12 48	7 52	7 36	14 33	17 24	3 37
W13	12 35	2 7	1 41	0 1	3 21	18 53	0 50	23 57	0 28	20 58	0 47	23 2	0 29	6 27	0 48	22 0	0 35	5 41	12 47	7 52	7 37	14 32	17 24	3 37
T 14	12 15	2n30	2 53	0s16	3 29	18 35	0 52	23 56	0 29	20 59	0 47	23 3	0 28	6 27	0 48	22 0	0 35	5 41	12 47	7 51	7 39	14 31	17 24	3 38
F 15	11 55	6 50	3 53	0 32	3 37	18 17	0 54	23 56	0 30	21 1	0 47	23 3	0 28	6 28	0 48	22 0	0 35	5 42	12 46	7 51	7 40	14 29	17 24	3 38
S 16	11 34	10 40	4 37	0 45	3 45	17 58	0 56	23 55	0 30	21 2	0 47	23 3	0 28	6 29	0 48	22 0	0 35	5 43	12 46	7 51	7 41	14 28	17 24	3 38
S 17	11 14	13 51	5 5	0 55	3 52	17 38	0 58	23 55	0 31	21 3	0 47	23 3	0 28	6 30	0 48	22 0	0 35	5 43	12 45	7 50	7 42	14 27	17 24	3 39
M18	10 53	16 16	5 17	1 2	3 58	17 18	1 0	23 54	0 32	21 3	0 47	23 3	0 28	6 31	0 48	21 59	0 35	5 44	12 45	7 50	7 43	14 26	17 24	3 39
T 19	10 32	17 51	5 14	1 6	4 3	16 58	1 1	23 52	0 33	21 4	0 47	23 3	0 28	6 32	0 49	21 59	0 35	5 45	12 44	7 50	7 45	14 25	17 24	3 40
W20	10 11	18 35	4 56	1 7	4 8	16 37	1 3	23 51	0 34	21 5	0 47	23 3	0 28	6 33	0 49	21 59	0 35	5 46	12 44	7 51	7 46	14 24	17 23	3 40
T 21	9 50	18 28	4 26	1 4	4 11	16 16	1 5	23 50	0 35	21 6	0 47	23 4	0 28	6 34	0 49	21 59	0 35	5 46	12 43	7 51	7 47	14 22	17 23	3 40
F 22	9 28	17 32	3 45	0 58	4 13	15 54	1 6	23 48	0 36	21 7	0 47	23 4	0 27	6 35	0 49	21 59	0 35	5 47	12 43	7 51	7 48	14 21	17 23	3 41
S 23	9 7	15 50	2 54	0 47	4 14	15 31	1 8	23 46	0 37	21 8	0 47	23 4	0 27	6 36	0 49	21 58	0 35	5 48	12 42	7 51	7 50	14 20	17 23	3 41
S 24	8 45	13 29	1 56	0 33	4 13	15 9	1 9	23 44	0 38	21 9	0 47	23 4	0 27	6 37	0 49	21 58	0 35	5 48	12 42	7 51	7 51	14 19	17 23	3 41
M25	8 23	10 33	0 53	0 15	4 11	14 45	1 11	23 42	0 38	21 9	0 47	23 4	0 27	6 38	0 49	21 58	0 35	5 49	12 42	7 52	7 52	14 18	17 22	3 42
T 26	8 1	7 10	0n13	0n 8	4 6	14 22	1 12	23 40	0 39	21 10	0 47	23 4	0 27	6 38	0 49	21 58	0 35	5 50	12 41	7 52	7 53	14 17	17 22	3 42
W27	7 39	3 28	1 19	0 34	4 0	13 58	1 13	23 37	0 40	21 11	0 47	23 4	0 27	6 39	0 49	21 58	0 35	5 51	12 41	7 52	7 54	14 15	17 22	3 42
T 28	7 16	0s24	2 22	1 3	3 52	13 33	1 15	23 35	0 41	21 11	0 47	23 4	0 27	6 40	0 49	21 57	0 35	5 51	12 40	7 52	7 56	14 14	17 22	3 43
F 29	6 54	4 18	3 19	1 36	3 42	13 9	1 16	23 32	0 42	21 12	0 47	23 5	0 27	6 41	0 49	21 57	0 35	5 52	12 40	7 52	7 57	14 13	17 21	3 43
S 30	6 31	8 5	4 8	2 11	3 30	12 43	1 17	23 29	0 43	21 13	0 47	23 5	0 26	6 42	0 49	21 57	0 35	5 53	12 39	7 52	7 58	14 12	17 21	3 44
S 31	6n 9	11s34	4n46	2n49	3s16	12n18	1n18	23n26	0n44	21n13	0s47	23s 5	0n26	6s43	0s49	21n57	0s35	5s53	12n39	7n52	7n59	14n11	17n21	3s44

Julian Day Number = 2178928.5, Delta T = 11m40s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'52, Lahiri = 13°26'53 Julian Calendar 1 Aug. 1253 == Greg. Calendar 8 Aug. 1253

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ASTRODIENST EPHEMERIS for the year 1253
geocentric

SEPTEMBER 1253 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 9 13	15♍25'13	27♏ 4	14°R14	2♍28	15♋25	9♊51	1♉54	14°R51	16♋22	21♏ 9	9°R57	9♍35	15♌53	3♊54	M 1
T 2	23 13 10	16°23'53	10♐25	13♍12	3°42	16° 1	9°55	1°54	14♓49	16°24	21°10	9°D57	9°32	16° 0	3°54	T 2
W 3	23 17 6	17°22'35	24° 6	12°14	4°57	16°37	9°58	1°54	14°46	16°25	21°12	9♍57	9°29	16° 6	3°R54	W 3
T 4	23 21 3	18°21'19	8♑ 8	11°22	6°11	17°13	10° 2	1°55	14°44	16°26	21°13	9°57	9°26	16°13	3°54	T 4
F 5	23 25 0	19°20'05	22°30	10°35	7°26	17°49	10° 5	1°55	14°42	16°27	21°14	9°58	9°22	16°20	3°54	F 5
S 6	23 28 56	20°18'52	7♒ 9	9°56	8°41	18°25	10° 8	1°56	14°39	16°29	21°16	9°58	9°19	16°26	3°54	S 6
S 7	23 32 53	21°17'41	22° 1	9°26	9°55	19° 0	10°11	1°57	14°37	16°30	21°17	9°59	9°16	16°33	3°54	S 7
M 8	23 36 49	22°16'31	6♓59	9° 6	11°10	19°36	10°14	1°58	14°34	16°31	21°18	10°R 0	9°13	16°40	3°53	M 8
T 9	23 40 46	23°15'24	21°55	8°55	12°25	20°11	10°16	1°59	14°32	16°32	21°20	9°59	9°10	16°46	3°53	T 9
W10	23 44 42	24°14'19	6♈40	8°D54	13°39	20°47	10°19	2° 0	14°30	16°33	21°21	9°59	9° 7	16°53	3°53	W10
T 11	23 48 39	25°13'15	21° 9	9° 4	14°54	21°22	10°21	2° 1	14°27	16°34	21°23	9°57	9° 3	17° 0	3°52	T 11
F 12	23 52 35	26°12'14	5♉15	9°23	16° 9	21°57	10°23	2° 2	14°25	16°35	21°24	9°55	9° 0	17° 6	3°51	F 12
S 13	23 56 32	27°11'16	18°55	9°53	17°24	22°32	10°25	2° 3	14°23	16°36	21°26	9°53	8°57	17°13	3°51	S 13
S 14	0 0 29	28°10'19	2♊ 9	10°32	18°39	23° 7	10°26	2° 5	14°20	16°37	21°28	9°50	8°54	17°20	3°50	S 14
M15	0 4 25	29° 9'25	14°59	11°19	19°53	23°42	10°28	2° 6	14°18	16°38	21°29	9°49	8°51	17°26	3°49	M15
T 16	0 8 22	0♎ 8'34	27°28	12°15	21° 8	24°16	10°29	2° 8	14°16	16°39	21°31	9°D48	8°47	17°33	3°48	T 16
W17	0 12 18	1° 7'44	9♋39	13°17	22°23	24°51	10°30	2°10	14°13	16°40	21°33	9°49	8°44	17°40	3°47	W17
T 18	0 16 15	2° 6'58	21°37	14°27	23°38	25°25	10°31	2°12	14°11	16°41	21°34	9°50	8°41	17°46	3°46	T 18
F 19	0 20 11	3° 6'13	3♌28	15°42	24°53	25°59	10°31	2°14	14° 9	16°42	21°36	9°51	8°38	17°53	3°45	F 19
S 20	0 24 8	4° 5'31	15°16	17° 3	26° 8	26°34	10°32	2°16	14° 7	16°42	21°38	9°53	8°35	18° 0	3°44	S 20
S 21	0 28 4	5° 4'50	27° 5	18°27	27°23	27° 8	10°32	2°18	14° 4	16°43	21°40	9°54	8°32	18° 6	3°43	S 21
M22	0 32 1	6° 4'13	8♍58	19°56	28°38	27°42	10°R32	2°20	14° 2	16°44	21°41	9°R55	8°28	18°13	3°42	M22
T 23	0 35 58	7° 3'37	21° 0	21°28	29°53	28°15	10°32	2°22	14° 0	16°44	21°43	9°55	8°25	18°19	3°40	T 23
W24	0 39 54	8° 3'03	3♎12	23° 2	1♎ 8	28°49	10°32	2°25	13°58	16°45	21°45	9°53	8°22	18°26	3°39	W24
T 25	0 43 51	9° 2'32	15°36	24°39	2°23	29°23	10°31	2°27	13°56	16°46	21°47	9°49	8°19	18°33	3°37	T 25
F 26	0 47 47	10° 2'02	28°13	26°17	3°38	29°56	10°30	2°30	13°54	16°46	21°49	9°45	8°16	18°39	3°36	F 26
S 27	0 51 44	11° 1'35	11♏ 2	27°57	4°54	0♌29	10°29	2°32	13°52	16°47	21°51	9°39	8°13	18°46	3°34	S 27
S 28	0 55 40	12° 1'10	24° 5	29°38	6° 9	1° 2	10°28	2°35	13°50	16°47	21°53	9°34	8° 9	18°53	3°32	S 28
M29	0 59 37	13° 0'46	7♐22	1♎19	7°24	1°35	10°27	2°38	13°48	16°48	21°54	9°29	8° 6	18°59	3°31	M29
T 30	1 3 33	14♎ 0'24	20♐51	3♎ 1	8♎39	2♌ 8	10♊25	2♑41	13♓46	16♋48	21♏56	9♍26	8♍ 3	19♌ 6	3♊29	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n46	14s33	5n10	3n27	3s 1	11n52	1n19	23n23	0n45	21n14	0s48	23s 5	0n26	6s44	0s49	21n57	0s35	5s54	12n38	7n52	8n 0	14n10	17n20	3s44
T 2	5 23	16 52	5 18	4 6	2 44	11 26	1 20	23 20	0 46	21 14	0 48	23 5	0 26	6 45	0 49	21 57	0 35	5 55	12 38	7 52	8 2	14 8	17 20	3 45
W 3	5 0	18 16	5 8	4 45	2 25	10 59	1 21	23 16	0 47	21 15	0 48	23 5	0 26	6 46	0 49	21 56	0 35	5 56	12 37	7 52	8 3	14 7	17 20	3 45
T 4	4 37	18 37	4 40	5 23	2 6	10 33	1 22	23 13	0 48	21 15	0 48	23 5	0 26	6 47	0 49	21 56	0 35	5 57	12 37	7 52	8 4	14 6	17 19	3 45
F 5	4 14	17 48	3 54	5 59	1 47	10 5	1 23	23 9	0 49	21 16	0 48	23 5	0 26	6 48	0 49	21 56	0 35	5 57	12 36	7 52	8 5	14 5	17 19	3 46
S 6	3 51	15 47	2 52	6 32	1 26	9 38	1 23	23 5	0 50	21 16	0 48	23 6	0 26	6 49	0 49	21 56	0 35	5 58	12 36	7 52	8 6	14 4	17 19	3 46
S 7	3 28	12 41	1 38	7 2	1 6	9 10	1 24	23 1	0 51	21 17	0 48	23 6	0 25	6 50	0 49	21 56	0 35	5 59	12 36	7 51	8 8	14 2	17 18	3 46
M 8	3 5	8 43	0 17	7 28	0 47	8 42	1 24	22 57	0 52	21 17	0 48	23 6	0 25	6 51	0 49	21 56	0 35	6 0	12 35	7 51	8 9	14 1	17 18	3 47
T 9	2 41	4 14	1s 6	7 50	0 28	8 14	1 25	22 53	0 53	21 17	0 48	23 6	0 25	6 51	0 49	21 56	0 35	6 0	12 35	7 51	8 10	14 0	17 17	3 47
W10	2 18	0n29	2 23	8 7	0 9	7 46	1 25	22 48	0 54	21 18	0 48	23 6	0 25	6 52	0 48	21 55	0 35	6 1	12 34	7 52	8 11	13 59	17 17	3 48
T 11	1 54	5 3	3 29	8 20	0n 8	7 17	1 26	22 44	0 55	21 18	0 48	23 6	0 25	6 53	0 48	21 55	0 35	6 2	12 34	7 52	8 12	13 57	17 16	3 48
F 12	1 31	9 14	4 20	8 27	0 24	6 48	1 26	22 39	0 56	21 18	0 48	23 6	0 25	6 54	0 48	21 55	0 35	6 3	12 33	7 53	8 14	13 56	17 16	3 48
S 13	1 7	12 47	4 55	8 30	0 39	6 19	1 26	22 34	0 57	21 18	0 48	23 6	0 25	6 55	0 48	21 55	0 35	6 3	12 33	7 54	8 15	13 55	17 15	3 49
S 14	0 44	15 33	5 13	8 28	0 53	5 50	1 26	22 29	0 58	21 18	0 48	23 6	0 25	6 56	0 48	21 55	0 35	6 4	12 33	7 55	8 16	13 54	17 15	3 49
M15	0 20	17 28	5 15	8 21	1 5	5 21	1 26	22 24	0 59	21 19	0 48	23 7	0 25	6 57	0 48	21 55	0 35	6 5	12 32	7 55	8 17	13 53	17 14	3 49
T 16	0s 3	18 29	5 1	8 10	1 16	4 51	1 26	22 19	1 0	21 19	0 48	23 7	0 24	6 58	0 48	21 55	0 35	6 6	12 32	7 55	8 18	13 51	17 14	3 50
W17	0 27	18 37	4 34	7 54	1 25	4 21	1 26	22 14	1 1	21 19	0 48	23 7	0 24	6 59	0 48	21 54	0 35	6 7	12 31	7 55	8 20	13 50	17 13	3 50
T 18	0 51	17 54	3 56	7 35	1 34	3 51	1 26	22 9	1 2	21 19	0 48	23 7	0 24	6 59	0 48	21 54	0 35	6 7	12 31	7 55	8 21	13 49	17 13	3 50
F 19	1 14	16 25	3 8	7 12	1 40	3 21	1 26	22 3	1 3	21 19	0 48	23 7	0 24	7 0	0 48	21 54	0 35	6 8	12 31	7 54	8 22	13 48	17 12	3 51
S 20	1 38	14 13	2 12	6 46	1 46	2 51	1 26	21 58	1 4	21 19	0 48	23 7	0 24	7 1	0 48	21 54	0 35	6 9	12 30	7 54	8 23	13 46	17 12	3 51
S 21	2 2	11 26	1 10	6 17	1 51	2 21	1 26	21 52	1 5	21 19	0 48	23 7	0 24	7 2	0 48	21 54	0 35	6 10	12 30	7 53	8 24	13 45	17 11	3 52
M22	2 25	8 9	0 5	5 45	1 54	1 51	1 25	21 47	1 6	21 19	0 48	23 7	0 24	7 3	0 48	21 54	0 35	6 11	12 29	7 53	8 25	13 44	17 11	3 52
T 23	2 49	4 31	1n 1	5 11	1 56	1 21	1 25	21 41	1 7	21 19	0 48	23 7	0 24	7 4	0 48	21 54	0 35	6 11	12 29	7 53	8 27	13 43	17 10	3 52
W24	3 12	0 37	2 4	4 35	1 58	0 50	1 24	21 35	1 8	21 19	0 48	23 7	0 23	7 4	0 48	21 54	0 35	6 12	12 29	7 54	8 28	13 41	17 9	3 53
T 25	3 36	3s21	3 3	3 57	1 58	0 20	1 24	21 29	1 9	21 19	0 48	23 7	0 23	7 5	0 48	21 54	0 35	6 13	12 28	7 55	8 29	13 40	17 9	3 53
F 26	3 59	7 14	3 54	3 17	1 58	0s11	1 23	21 23	1 10	21 19	0 49	23 7	0 23	7 6	0 48	21 54	0 35	6 14	12 28	7 57	8 30	13 39	17 8	3 53
S 27	4 23	10 51	4 34	2 36	1 57	0 41	1 22	21 17	1 11	21 18	0 49	23 7	0 23	7 7	0 48	21 54	0 35	6 15	12 28	7 59	8 31	13 38	17 8	3 54
S 28	4 46	14 0	5 1	1 55	1 55	1 12	1 22	21 11	1 12	21 18	0 49	23 8	0 23	7 8	0 48	21 53	0 35	6 15	12 27	8 1	8 33	13 36	17 7	3 54
M29	5 9	16 30	5 12	1 12	1 53	1 43	1 21	21 5	1 13	21 18	0 49	23 8	0 23	7 8	0 48	21 53	0 35	6 16	12 27	8 3	8 34	13 35	17 6	3 54
T 30	5s33	18s 8	5n 6	0n29	1n50	2s13	1n20	20n58	1n14	21n18	0s49	23s 8	0n23	7s 9	0s48	21n53	0s35	6s17	12n27	8n 4	8n35	13n34	17n 6	3s55

Julian Day Number = 2178959.5, Delta T = 11m40s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°19'57, Lahiri = 13°26'57 Julian Calendar 1 Sept. 1253 == Greg. Calendar 8 Sept. 1253

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ASTRODIENST EPHEMERIS for the year 1253
geocentric

OCTOBER 1253 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 7 30	15♎ 0'05	4♉34	4♎44	9♎54	2♌41	10°R23	2♉44	13°R44	16♋49	21♏58	9°R24	8♍ 0	19♌13	3°R27	W 1
T 2	1 11 27	15°59'46	18°29	6°26	11° 9	3°13	10♊21	2°47	13♓42	16°49	22° 0	9°D23	7°57	19°19	3♊25	T 2
F 3	1 15 23	16°59'30	2♒36	8° 9	12°25	3°46	10°19	2°51	13°40	16°49	22° 2	9♍24	7°53	19°26	3°23	F 3
S 4	1 19 20	17°59'15	16°54	9°51	13°40	4°18	10°16	2°54	13°38	16°50	22° 4	9°25	7°50	19°33	3°21	S 4
S 5	1 23 16	18°59'02	1♓21	11°34	14°55	4°50	10°14	2°57	13°36	16°50	22° 7	9°27	7°47	19°39	3°19	S 5
M 6	1 27 13	19°58'51	15°54	13°15	16°10	5°22	10°11	3° 1	13°34	16°50	22° 9	9°R27	7°44	19°46	3°17	M 6
T 7	1 31 9	20°58'41	0♈27	14°57	17°25	5°54	10° 8	3° 4	13°33	16°51	22°11	9°25	7°41	19°53	3°14	T 7
W 8	1 35 6	21°58'33	14°55	16°38	18°41	6°25	10° 5	3° 8	13°31	16°51	22°13	9°21	7°38	19°59	3°12	W 8
T 9	1 39 2	22°58'27	29°12	18°19	19°56	6°57	10° 2	3°12	13°29	16°51	22°15	9°15	7°34	20° 6	3°10	T 9
F 10	1 42 59	23°58'24	13♉11	20° 0	21°11	7°28	9°58	3°15	13°27	16°51	22°17	9° 8	7°31	20°13	3° 7	F 10
S 11	1 46 55	24°58'22	26°50	21°40	22°26	7°59	9°54	3°19	13°26	16°51	22°19	9° 0	7°28	20°19	3° 5	S 11
S 12	1 50 52	25°58'22	10♊ 6	23°19	23°42	8°30	9°50	3°23	13°24	16°51	22°21	8°53	7°25	20°26	3° 2	S 12
M13	1 54 49	26°58'25	22°58	24°58	24°57	9° 1	9°46	3°27	13°23	16°R51	22°24	8°46	7°22	20°32	3° 0	M13
T 14	1 58 45	27°58'30	5♋28	26°37	26°12	9°31	9°42	3°32	13°21	16°51	22°26	8°41	7°18	20°39	2°57	T 14
W15	2 2 42	28°58'36	17°41	28°15	27°28	10° 2	9°37	3°36	13°20	16°51	22°28	8°39	7°15	20°46	2°55	W15
T 16	2 6 38	29°58'45	29°40	29°53	28°43	10°32	9°33	3°40	13°18	16°51	22°30	8°D38	7°12	20°52	2°52	T 16
F 17	2 10 35	0♏58'56	11♌31	1♏30	29°58	11° 2	9°28	3°44	13°17	16°51	22°32	8°38	7° 9	20°59	2°49	F 17
S 18	2 14 31	1°59'10	23°19	3° 7	1♏14	11°32	9°23	3°49	13°15	16°51	22°35	8°40	7° 6	21° 6	2°46	S 18
S 19	2 18 28	2°59'25	5♍ 9	4°44	2°29	12° 2	9°18	3°53	13°14	16°50	22°37	8°R40	7° 3	21°12	2°43	S 19
M20	2 22 24	3°59'42	17° 6	6°20	3°44	12°31	9°12	3°58	13°13	16°50	22°39	8°40	6°59	21°19	2°40	M20
T 21	2 26 21	5° 0'01	29°15	7°56	5° 0	13° 0	9° 7	4° 3	13°12	16°50	22°42	8°38	6°56	21°26	2°38	T 21
W22	2 30 18	6° 0'22	11♎38	9°31	6°15	13°29	9° 1	4° 7	13°10	16°50	22°44	8°33	6°53	21°32	2°35	W22
T 23	2 34 14	7° 0'45	24°17	11° 6	7°31	13°58	8°55	4°12	13° 9	16°49	22°46	8°26	6°50	21°39	2°32	T 23
F 24	2 38 11	8° 1'10	7♏14	12°41	8°46	14°27	8°49	4°17	13° 8	16°49	22°48	8°16	6°47	21°46	2°28	F 24
S 25	2 42 7	9° 1'36	20°27	14°15	10° 1	14°55	8°43	4°22	13° 7	16°48	22°51	8° 5	6°44	21°52	2°25	S 25
S 26	2 46 4	10° 2'04	3♐56	15°49	11°17	15°23	8°37	4°27	13° 6	16°48	22°53	7°54	6°40	21°59	2°22	S 26
M27	2 50 0	11° 2'34	17°36	17°23	12°32	15°51	8°31	4°32	13° 5	16°48	22°55	7°44	6°37	22° 6	2°19	M27
T 28	2 53 57	12° 3'05	1♑26	18°57	13°48	16°19	8°24	4°37	13° 4	16°47	22°58	7°36	6°34	22°12	2°16	T 28
W29	2 57 53	13° 3'37	15°22	20°30	15° 3	16°46	8°17	4°42	13° 3	16°47	23° 0	7°30	6°31	22°19	2°13	W29
T 30	3 1 50	14° 4'11	29°22	22° 3	16°18	17°13	8°11	4°48	13° 3	16°46	23° 2	7°27	6°28	22°26	2° 9	T 30
F 31	3 5 47	15♏ 4'46	13♒26	23♏36	17♏34	17♌40	8♊ 4	4♑53	13♓ 2	16♋45	23♏ 5	7°D26	6♍24	22♌32	2♊ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s56	18s45	4n43	0s15	1n47	2s44	1n19	20n52	1n15	21n17	0s49	23s 8	0n23	7s10	0s48	21n53	0s35	6s18	12n26	8n 5	8n36	13n33	17n 5	3s55
T 2	6 19	18 15	4 3	1 0	1 43	3 14	1 18	20 45	1 17	21 17	0 49	23 8	0 23	7 11	0 48	21 53	0 35	6 19	12 26	8 5	8 37	13 31	17 4	3 55
F 3	6 42	16 37	3 7	1 44	1 39	3 44	1 17	20 39	1 18	21 17	0 49	23 8	0 22	7 11	0 48	21 53	0 35	6 19	12 26	8 5	8 39	13 30	17 4	3 56
S 4	7 5	13 56	2 0	2 29	1 34	4 15	1 16	20 32	1 19	21 16	0 49	23 8	0 22	7 12	0 48	21 53	0 35	6 20	12 25	8 4	8 40	13 29	17 3	3 56
S 5	7 28	10 21	0 44	3 13	1 29	4 45	1 15	20 26	1 20	21 16	0 49	23 8	0 22	7 13	0 48	21 53	0 35	6 21	12 25	8 4	8 41	13 27	17 2	3 56
M 6	7 51	6 7	0s35	3 58	1 24	5 15	1 14	20 19	1 21	21 16	0 49	23 8	0 22	7 13	0 48	21 53	0 35	6 22	12 25	8 4	8 42	13 26	17 1	3 57
T 7	8 13	1 31	1 52	4 42	1 18	5 45	1 12	20 12	1 22	21 15	0 49	23 8	0 22	7 14	0 48	21 53	0 35	6 23	12 24	8 4	8 43	13 25	17 1	3 57
W 8	8 36	3n 8	3 0	5 27	1 13	6 15	1 11	20 5	1 23	21 15	0 49	23 8	0 22	7 15	0 48	21 53	0 35	6 23	12 24	8 6	8 45	13 24	17 0	3 57
T 9	8 58	7 32	3 57	6 11	1 7	6 45	1 10	19 58	1 25	21 14	0 49	23 8	0 22	7 15	0 48	21 53	0 35	6 24	12 24	8 8	8 46	13 22	16 59	3 57
F 10	9 20	11 27	4 38	6 55	1 1	7 15	1 8	19 52	1 26	21 14	0 49	23 8	0 22	7 16	0 48	21 53	0 35	6 25	12 24	8 11	8 47	13 21	16 58	3 58
S 11	9 42	14 38	5 2	7 38	0 55	7 44	1 7	19 45	1 27	21 13	0 49	23 8	0 22	7 17	0 48	21 53	0 35	6 26	12 23	8 14	8 48	13 20	16 58	3 58
S 12	10 4	16 58	5 8	8 21	0 48	8 14	1 5	19 38	1 28	21 13	0 49	23 8	0 21	7 17	0 48	21 53	0 35	6 26	12 23	8 16	8 49	13 18	16 57	3 58
M13	10 26	18 22	4 59	9 3	0 42	8 43	1 4	19 31	1 29	21 12	0 49	23 8	0 21	7 18	0 48	21 53	0 35	6 27	12 23	8 19	8 50	13 17	16 56	3 59
T 14	10 48	18 50	4 36	9 45	0 35	9 12	1 2	19 24	1 31	21 11	0 49	23 8	0 21	7 18	0 48	21 53	0 35	6 28	12 23	8 21	8 52	13 16	16 55	3 59
W15	11 9	18 24	4 0	10 27	0 29	9 40	1 0	19 17	1 32	21 11	0 49	23 8	0 21	7 19	0 48	21 53	0 35	6 29	12 22	8 22	8 53	13 14	16 55	3 59
T 16	11 31	17 8	3 14	11 8	0 22	10 9	0 58	19 9	1 33	21 10	0 49	23 8	0 21	7 19	0 48	21 53	0 35	6 30	12 22	8 22	8 54	13 13	16 54	3 59
F 17	11 52	15 8	2 21	11 48	0 16	10 37	0 57	19 2	1 34	21 9	0 49	23 8	0 21	7 20	0 48	21 53	0 35	6 30	12 22	8 22	8 55	13 12	16 53	4 0
S 18	12 13	12 31	1 22	12 28	0 9	11 5	0 55	18 55	1 36	21 9	0 49	23 8	0 21	7 20	0 48	21 53	0 35	6 31	12 22	8 21	8 56	13 11	16 52	4 0
S 19	12 33	9 22	0 19	13 7	0 2	11 33	0 53	18 48	1 37	21 8	0 49	23 8	0 21	7 21	0 48	21 53	0 35	6 32	12 21	8 21	8 58	13 9	16 51	4 0
M20	12 54	5 48	0n45	13 45	0s 4	12 1	0 51	18 41	1 38	21 7	0 49	23 8	0 21	7 21	0 48	21 53	0 35	6 33	12 21	8 21	8 59	13 8	16 51	4 1
T 21	13 14	1 57	1 48	14 23	0 11	12 28	0 49	18 34	1 39	21 6	0 49	23 8	0 20	7 22	0 48	21 53	0 35	6 33	12 21	8 22	9 0	13 7	16 50	4 1
W22	13 35	2s 3	2 47	15 0	0 18	12 55	0 47	18 27	1 41	21 5	0 49	23 8	0 20	7 22	0 48	21 53	0 35	6 34	12 21	8 24	9 1	13 5	16 49	4 1
T 23	13 54	6 3	3 39	15 36	0 24	13 21	0 45	18 20	1 42	21 5	0 49	23 8	0 20	7 23	0 48	21 53	0 36	6 35	12 21	8 27	9 2	13 4	16 48	4 1
F 24	14 14	9 52	4 21	16 12	0 31	13 48	0 43	18 13	1 43	21 4	0 49	23 8	0 20	7 23	0 47	21 53	0 36	6 35	12 20	8 30	9 3	13 3	16 47	4 2
S 25	14 34	13 17	4 50	16 46	0 37	14 14	0 41	18 5	1 45	21 3	0 48	23 8	0 20	7 23	0 47	21 53	0 36	6 36	12 20	8 34	9 5	13 1	16 47	4 2
S 26	14 53	16 3	5 3	17 20	0 44	14 39	0 39	17 58	1 46	21 2	0 48	23 8	0 20	7 24	0 47	21 53	0 36	6 37	12 20	8 38	9 6	13 0	16 46	4 2
M27	15 12	17 59	4 59	17 53	0 50	15 4	0 37	17 51	1 47	21 1	0 48	23 7	0 20	7 24	0 47	21 53	0 36	6 38	12 20	8 42	9 7	12 59	16 45	4 2
T 28	15 31	18 53	4 38	18 25	0 56	15 29	0 35	17 44	1 49	21 0	0 48	23 7	0 20	7 24	0 47	21 53	0 36	6 38	12 20	8 45	9 8	12 57	16 44	4 2
W29	15 49	18 40	4 0	18 57	1 2	15 54	0 33	17 37	1 50	20 59	0 48	23 7	0 20	7 25	0 47	21 53	0 36	6 39	12 20	8 47	9 9	12 56	16 43	4 3
T 30	16 7	17 18	3 8	19 27	1 8	16 18	0 30	17 30	1 51	20 58	0 48	23 7	0 20	7 25	0 47	21 53	0 36	6 40	12 19	8 48	9 11	12 55	16 42	4 3
F 31	16s25	14s52	2n 4	19s56	1s14	16s41	0n28	17n23	1n53	20n57	0s48	23s 7	0n19	7s25	0s47	21n53	0s36	6s40	12n19	8n49	9n12	12n53	16n42	4s 3

Julian Day Number = 2178989.5, Delta T = 11m39s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'01, Lahiri = 13°27'01 Julian Calendar 1 Oct. 1253 == Greg. Calendar 8 Oct. 1253

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ASTRODIENST EPHEMERIS for the year 1253
geocentric

NOVEMBER 1253 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 9 43	16♏ 5'22	27♒32	25♏ 8	18♏49	18♌ 7	7°R57	4♉58	13°R 1	16°R45	23♏ 7	7♍27	6♍21	22♌39	2°R 3	S 1
S 2	3 13 40	17° 6'00	11♓40	26°40	20° 5	18°34	7♊49	5° 4	13♓ 0	16♋44	23° 9	7°R27	6°18	22°45	1♊59	S 2
M 3	3 17 36	18° 6'38	25°47	28°13	21°20	19° 0	7°42	5° 9	13° 0	16°43	23°12	7°26	6°15	22°52	1°56	M 3
T 4	3 21 33	19° 7'18	9♈53	29°45	22°35	19°26	7°35	5°15	12°59	16°43	23°14	7°22	6°12	22°59	1°53	T 4
W 5	3 25 29	20° 7'59	23°54	1♐16	23°51	19°51	7°27	5°21	12°59	16°42	23°17	7°15	6° 9	23° 5	1°49	W 5
T 6	3 29 26	21° 8'41	7♉47	2°48	25° 6	20°17	7°20	5°26	12°58	16°41	23°19	7° 6	6° 5	23°12	1°46	T 6
F 7	3 33 22	22° 9'24	21°28	4°19	26°22	20°42	7°12	5°32	12°58	16°40	23°21	6°54	6° 2	23°19	1°42	F 7
S 8	3 37 19	23°10'09	4♊53	5°50	27°37	21° 7	7° 5	5°38	12°57	16°40	23°24	6°41	5°59	23°25	1°39	S 8
S 9	3 41 16	24°10'55	18° 0	7°21	28°53	21°31	6°57	5°44	12°57	16°39	23°26	6°29	5°56	23°32	1°35	S 9
M10	3 45 12	25°11'43	0♋47	8°52	0♐ 8	21°55	6°49	5°50	12°57	16°38	23°28	6°17	5°53	23°39	1°32	M10
T 11	3 49 9	26°12'32	13°16	10°22	1°23	22°19	6°41	5°56	12°57	16°37	23°31	6° 8	5°50	23°45	1°28	T 11
W12	3 53 5	27°13'23	25°29	11°52	2°39	22°43	6°33	6° 2	12°56	16°36	23°33	6° 1	5°46	23°52	1°25	W12
T 13	3 57 2	28°14'15	7♌28	13°21	3°54	23° 6	6°25	6° 8	12°56	16°35	23°36	5°58	5°43	23°59	1°21	T 13
F 14	4 0 58	29°15'08	19°18	14°51	5°10	23°29	6°17	6°14	12°56	16°34	23°38	5°56	5°40	24° 5	1°18	F 14
S 15	4 4 55	0♐16'02	1♍ 6	16°19	6°25	23°52	6° 9	6°20	12°D56	16°33	23°40	5°56	5°37	24°12	1°14	S 15
S 16	4 8 51	1°16'58	12°56	17°47	7°40	24°14	6° 1	6°26	12°56	16°32	23°43	5°56	5°34	24°19	1°11	S 16
M17	4 12 48	2°17'55	24°54	19°15	8°56	24°36	5°53	6°32	12°56	16°31	23°45	5°55	5°30	24°25	1° 7	M17
T 18	4 16 45	3°18'54	7♎ 5	20°42	10°11	24°57	5°45	6°39	12°57	16°30	23°47	5°52	5°27	24°32	1° 4	T 18
W19	4 20 41	4°19'54	19°33	22° 8	11°27	25°19	5°36	6°45	12°57	16°28	23°50	5°46	5°24	24°39	1° 0	W19
T 20	4 24 38	5°20'54	2♏23	23°32	12°42	25°39	5°28	6°51	12°57	16°27	23°52	5°37	5°21	24°45	0°57	T 20
F 21	4 28 34	6°21'56	15°35	24°56	13°58	26° 0	5°20	6°58	12°57	16°26	23°54	5°26	5°18	24°52	0°53	F 21
S 22	4 32 31	7°22'59	29° 8	26°18	15°13	26°20	5°12	7° 4	12°58	16°25	23°57	5°14	5°15	24°58	0°50	S 22
S 23	4 36 27	8°24'03	13♐ 2	27°39	16°28	26°40	5° 4	7°11	12°58	16°24	23°59	5° 0	5°11	25° 5	0°46	S 23
M24	4 40 24	9°25'08	27° 9	28°57	17°44	26°59	4°55	7°17	12°58	16°22	24° 1	4°48	5° 8	25°12	0°43	M24
T 25	4 44 20	10°26'14	11♑27	0♑14	18°59	27°18	4°47	7°24	12°59	16°21	24° 4	4°38	5° 5	25°18	0°39	T 25
W26	4 48 17	11°27'20	25°48	1°27	20°15	27°36	4°39	7°31	12°59	16°20	24° 6	4°31	5° 2	25°25	0°36	W26
T 27	4 52 14	12°28'26	10♒ 8	2°38	21°30	27°54	4°31	7°37	13° 0	16°18	24° 8	4°27	4°59	25°32	0°32	T 27
F 28	4 56 10	13°29'33	24°23	3°45	22°45	28°12	4°23	7°44	13° 1	16°17	24°11	4°25	4°56	25°38	0°29	F 28
S 29	5 0 7	14°30'40	8♓31	4°48	24° 1	28°29	4°15	7°51	13° 1	16°16	24°13	4°25	4°52	25°45	0°25	S 29
S 30	5 4 3	15♐31'47	22♓32	5♑46	25♐16	28♌45	4♊ 7	7♑57	13♓ 2	16♋14	24♏15	4♍25	4♍49	25♌52	0♊22	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s43	11s33	0n53	20s25	1s20	17s 5	0n26	17n16	1n54	20n56	0s48	23s 7	0n19	7s25	0s47	21n53	0s36	6s41	12n19	8n49	9n13	12n52	16n41	4s 3
S 2	17 0	7 34	0s22	20 52	1 25	17 27	0 24	17 9	1 56	20 55	0 48	23 7	0 19	7 26	0 47	21 54	0 36	6 42	12 19	8 49	9 14	12 51	16 40	4 3
M 3	17 18	3 9	1 36	21 19	1 31	17 49	0 21	17 3	1 57	20 54	0 48	23 7	0 19	7 26	0 47	21 54	0 36	6 42	12 19	8 49	9 15	12 49	16 39	4 4
T 4	17 34	1n26	2 43	21 44	1 36	18 11	0 19	16 56	1 59	20 52	0 48	23 7	0 19	7 26	0 47	21 54	0 36	6 43	12 19	8 50	9 16	12 48	16 38	4 4
W 5	17 51	5 54	3 40	22 8	1 41	18 32	0 17	16 49	2 0	20 51	0 48	23 7	0 19	7 26	0 47	21 54	0 36	6 44	12 19	8 53	9 18	12 46	16 37	4 4
T 6	18 7	10 1	4 23	22 32	1 46	18 53	0 14	16 42	2 2	20 50	0 48	23 6	0 19	7 26	0 47	21 54	0 36	6 44	12 19	8 56	9 19	12 45	16 36	4 4
F 7	18 23	13 31	4 50	22 54	1 50	19 13	0 12	16 36	2 3	20 49	0 48	23 6	0 19	7 26	0 47	21 54	0 36	6 45	12 19	9 1	9 20	12 44	16 36	4 4
S 8	18 38	16 16	5 1	23 15	1 55	19 33	0 10	16 29	2 5	20 48	0 48	23 6	0 19	7 27	0 47	21 54	0 36	6 46	12 19	9 5	9 21	12 42	16 35	4 4
S 9	18 53	18 5	4 55	23 34	1 59	19 52	0 7	16 22	2 6	20 47	0 47	23 6	0 19	7 27	0 47	21 54	0 36	6 46	12 18	9 10	9 22	12 41	16 34	4 5
M10	19 8	18 57	4 34	23 53	2 2	20 11	0 5	16 16	2 8	20 45	0 47	23 6	0 19	7 27	0 47	21 54	0 36	6 47	12 18	9 14	9 23	12 40	16 33	4 5
T 11	19 23	18 52	4 1	24 10	2 6	20 29	0 2	16 10	2 9	20 44	0 47	23 6	0 18	7 27	0 47	21 54	0 36	6 47	12 18	9 18	9 25	12 38	16 32	4 5
W12	19 37	17 54	3 17	24 26	2 9	20 46	0s 0	16 3	2 11	20 43	0 47	23 5	0 18	7 27	0 47	21 55	0 36	6 48	12 18	9 20	9 26	12 37	16 31	4 5
T 13	19 51	16 9	2 25	24 41	2 12	21 3	0 2	15 57	2 12	20 42	0 47	23 5	0 18	7 27	0 47	21 55	0 36	6 49	12 18	9 22	9 27	12 35	16 31	4 5
F 14	20 4	13 43	1 27	24 54	2 15	21 19	0 5	15 51	2 14	20 40	0 47	23 5	0 18	7 27	0 47	21 55	0 36	6 49	12 18	9 22	9 28	12 34	16 30	4 5
S 15	20 17	10 44	0 26	25 6	2 17	21 35	0 7	15 45	2 15	20 39	0 47	23 5	0 18	7 27	0 47	21 55	0 36	6 50	12 18	9 22	9 29	12 33	16 29	4 5
S 16	20 30	7 18	0n37	25 16	2 18	21 50	0 10	15 39	2 17	20 38	0 47	23 5	0 18	7 27	0 47	21 55	0 36	6 50	12 18	9 22	9 31	12 31	16 28	4 6
M17	20 42	3 33	1 39	25 25	2 20	22 4	0 12	15 33	2 19	20 36	0 47	23 4	0 18	7 27	0 47	21 55	0 36	6 51	12 18	9 23	9 32	12 30	16 27	4 6
T 18	20 54	0s25	2 37	25 33	2 21	22 18	0 14	15 27	2 20	20 35	0 46	23 4	0 18	7 26	0 46	21 55	0 36	6 52	12 18	9 24	9 33	12 29	16 27	4 6
W19	21 6	4 27	3 29	25 39	2 21	22 31	0 17	15 22	2 22	20 34	0 46	23 4	0 18	7 26	0 46	21 55	0 36	6 52	12 18	9 26	9 34	12 27	16 26	4 6
T 20	21 17	8 24	4 12	25 43	2 21	22 44	0 19	15 16	2 24	20 33	0 46	23 4	0 18	7 26	0 46	21 56	0 36	6 53	12 18	9 29	9 35	12 26	16 25	4 6
F 21	21 27	12 3	4 43	25 46	2 20	22 55	0 22	15 11	2 26	20 31	0 46	23 3	0 18	7 26	0 46	21 56	0 36	6 53	12 18	9 33	9 36	12 24	16 24	4 6
S 22	21 38	15 11	4 59	25 48	2 19	23 6	0 24	15 6	2 27	20 30	0 46	23 3	0 17	7 26	0 46	21 56	0 36	6 54	12 18	9 38	9 38	12 23	16 23	4 6
S 23	21 48	17 32	4 57	25 47	2 17	23 17	0 26	15 0	2 29	20 29	0 46	23 3	0 17	7 26	0 46	21 56	0 36	6 54	12 18	9 43	9 39	12 21	16 23	4 6
M24	21 57	18 52	4 38	25 46	2 14	23 26	0 29	14 55	2 31	20 27	0 46	23 3	0 17	7 26	0 46	21 56	0 36	6 55	12 18	9 47	9 40	12 20	16 22	4 6
T 25	22 6	19 2	4 1	25 42	2 10	23 35	0 31	14 51	2 32	20 26	0 45	23 2	0 17	7 25	0 46	21 56	0 36	6 55	12 18	9 51	9 41	12 19	16 21	4 6
W26	22 15	17 58	3 9	25 38	2 6	23 44	0 33	14 46	2 34	20 25	0 45	23 2	0 17	7 25	0 46	21 56	0 36	6 56	12 18	9 54	9 42	12 17	16 20	4 6
T 27	22 23	15 46	2 5	25 31	2 1	23 51	0 35	14 41	2 36	20 23	0 45	23 2	0 17	7 25	0 46	21 57	0 36	6 56	12 18	9 55	9 43	12 16	16 20	4 6
F 28	22 31	12 37	0 53	25 24	1 55	23 58	0 38	14 37	2 38	20 22	0 45	23 1	0 17	7 24	0 46	21 57	0 36	6 57	12 18	9 56	9 45	12 14	16 19	4 6
S 29	22 38	8 45	0s22	25 14	1 48	24 4	0 40	14 33	2 40	20 21	0 45	23 1	0 17	7 24	0 46	21 57	0 36	6 57	12 18	9 56	9 46	12 13	16 18	4 6
S 30	22s45	4s25	1s34	25s 4	1s40	24s 9	0s42	14n29	2n42	20n19	0s45	23s 1	0n17	7s24	0s46	21n57	0s36	6s58	12n18	9n56	9n47	12n12	16n17	4s 6

Julian Day Number = 2179020.5, Delta T = 11m39s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'05, Lahiri = 13°27'06 Julian Calendar 1 Nov. 1253 == Greg. Calendar 8 Nov. 1253

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ASTRODIENST EPHEMERIS for the year 1253
geocentric

DECEMBER 1253 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 8 0	16♐32'55	6♈24	6♉38	26♐32	29♌ 1	4°R 0	8♉ 4	13♓ 3	16°R13	24♏17	4°R23	4♍46	25♌58	0°R19	M 1
T 2	5 11 56	17°34'02	20° 9	7°24	27°47	29°17	3♊52	8°11	13° 4	16♋11	24°20	4♍20	4°43	26° 5	0♊15	T 2
W 3	5 15 53	18°35'10	3♉45	8° 4	29° 2	29°32	3°44	8°18	13° 5	16°10	24°22	4°13	4°40	26°12	0°12	W 3
T 4	5 19 49	19°36'19	17°11	8°35	0♉18	29°47	3°37	8°25	13° 6	16° 9	24°24	4° 4	4°36	26°18	0° 9	T 4
F 5	5 23 46	20°37'27	0♊27	8°57	1°33	0♍ 1	3°29	8°31	13° 7	16° 7	24°26	3°52	4°33	26°25	0° 5	F 5
S 6	5 27 43	21°38'36	13°30	9° 9	2°48	0°15	3°22	8°38	13° 8	16° 6	24°28	3°39	4°30	26°32	0° 2	S 6
S 7	5 31 39	22°39'45	26°20	9°R11	4° 4	0°28	3°14	8°45	13° 9	16° 4	24°31	3°26	4°27	26°38	29♉59	S 7
M 8	5 35 36	23°40'54	8♋55	9° 1	5°19	0°40	3° 7	8°52	13°10	16° 3	24°33	3°14	4°24	26°45	29°56	M 8
T 9	5 39 32	24°42'04	21°16	8°40	6°34	0°52	3° 0	8°59	13°11	16° 1	24°35	3° 5	4°21	26°51	29°53	T 9
W10	5 43 29	25°43'14	3♌23	8° 7	7°50	1° 4	2°53	9° 6	13°13	15°59	24°37	2°58	4°17	26°58	29°50	W10
T 11	5 47 25	26°44'25	15°20	7°22	9° 5	1°15	2°46	9°13	13°14	15°58	24°39	2°54	4°14	27° 5	29°46	T 11
F 12	5 51 22	27°45'35	27°10	6°27	10°20	1°25	2°39	9°20	13°15	15°56	24°41	2°52	4°11	27°11	29°43	F 12
S 13	5 55 18	28°46'46	8♍56	5°22	11°35	1°34	2°33	9°27	13°17	15°55	24°43	2°D52	4° 8	27°18	29°40	S 13
S 14	5 59 15	29°47'57	20°45	4°10	12°51	1°44	2°26	9°34	13°18	15°53	24°45	2°53	4° 5	27°25	29°38	S 14
M15	6 3 12	0♎49'09	2♎41	2°52	14° 6	1°52	2°20	9°41	13°20	15°51	24°47	2°R53	4° 2	27°31	29°35	M15
T 16	6 7 8	1°50'21	14°51	1°31	15°21	2° 0	2°14	9°48	13°21	15°50	24°49	2°52	3°58	27°38	29°32	T 16
W17	6 11 5	2°51'33	27°19	0°10	16°37	2° 7	2° 8	9°55	13°23	15°48	24°51	2°49	3°55	27°45	29°29	W17
T 18	6 15 1	3°52'45	10♏ 9	28♐51	17°52	2°13	2° 2	10° 2	13°24	15°47	24°53	2°44	3°52	27°51	29°26	T 18
F 19	6 18 58	4°53'57	23°25	27°37	19° 7	2°19	1°56	10° 9	13°26	15°45	24°55	2°36	3°49	27°58	29°24	F 19
S 20	6 22 54	5°55'09	7♐ 8	26°30	20°22	2°24	1°50	10°16	13°28	15°43	24°57	2°27	3°46	28° 5	29°21	S 20
S 21	6 26 51	6°56'22	21°15	25°31	21°38	2°29	1°45	10°24	13°29	15°42	24°59	2°17	3°42	28°11	29°18	S 21
M22	6 30 47	7°57'34	5♑44	24°42	22°53	2°33	1°40	10°31	13°31	15°40	25° 1	2° 8	3°39	28°18	29°16	M22
T 23	6 34 44	8°58'46	20°26	24° 2	24° 8	2°36	1°35	10°38	13°33	15°38	25° 3	2° 0	3°36	28°25	29°13	T 23
W24	6 38 41	9°59'57	5♒14	23°31	25°23	2°38	1°30	10°45	13°35	15°36	25° 5	1°55	3°33	28°31	29°11	W24
T 25	6 42 37	11° 1'08	20° 0	23°11	26°38	2°39	1°25	10°52	13°37	15°35	25° 6	1°52	3°30	28°38	29° 8	T 25
F 26	6 46 34	12° 2'18	4♓38	23° 0	27°54	2°40	1°20	10°59	13°39	15°33	25° 8	1°D52	3°27	28°44	29° 6	F 26
S 27	6 50 30	13° 3'28	19° 3	22°D58	29° 9	2°R40	1°16	11° 6	13°41	15°31	25°10	1°53	3°23	28°51	29° 4	S 27
S 28	6 54 27	14° 4'36	3♈12	23° 4	0♒24	2°40	1°12	11°13	13°43	15°30	25°12	1°54	3°20	28°58	29° 2	S 28
M29	6 58 23	15° 5'44	17° 5	23°18	1°39	2°38	1° 8	11°20	13°45	15°28	25°13	1°R54	3°17	29° 4	29° 0	M29
T 30	7 2 20	16° 6'51	0♉41	23°40	2°54	2°36	1° 4	11°28	13°47	15°26	25°15	1°53	3°14	29°11	28°57	T 30
W31	7 6 17	17♉ 7'57	14♉ 2	24♐ 7	4♒ 9	2♍33	1♊ 0	11♉35	13♓50	15♋25	25♏17	1♍50	3♍11	29♌18	28♉55	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s51	0n 6	2s41	24s52	1s30	24s14	0s44	14n25	2n43	20n18	0s44	23s 1	0n17	7s24	0s46	21n57	0s36	6s58	12n19	9n56	9n48	12n10	16n17	4s 6
T 2	22 57	4 33	3 37	24 39	1 20	24 17	0 46	14 21	2 45	20 17	0 44	23 0	0 17	7 23	0 46	21 57	0 36	6 58	12 19	9 58	9 49	12 9	16 16	4 6
W 3	23 2	8 44	4 20	24 25	1 8	24 20	0 49	14 17	2 47	20 16	0 44	23 0	0 17	7 23	0 46	21 58	0 36	6 59	12 19	10 0	9 50	12 7	16 15	4 6
T 4	23 7	12 25	4 49	24 10	0 55	24 23	0 51	14 14	2 49	20 14	0 44	23 0	0 16	7 22	0 46	21 58	0 36	6 59	12 19	10 4	9 52	12 6	16 15	4 6
F 5	23 12	15 25	5 1	23 55	0 41	24 24	0 53	14 11	2 51	20 13	0 44	22 59	0 16	7 22	0 46	21 58	0 36	7 0	12 19	10 8	9 53	12 4	16 14	4 6
S 6	23 16	17 36	4 57	23 38	0 26	24 25	0 55	14 8	2 53	20 12	0 44	22 59	0 16	7 21	0 46	21 58	0 36	7 0	12 19	10 12	9 54	12 3	16 13	4 6
S 7	23 20	18 51	4 38	23 22	0 9	24 25	0 57	14 5	2 55	20 11	0 43	22 58	0 16	7 21	0 46	21 58	0 36	7 0	12 19	10 17	9 55	12 2	16 13	4 6
M 8	23 23	19 9	4 6	23 5	0n 9	24 24	0 59	14 2	2 57	20 9	0 43	22 58	0 16	7 21	0 46	21 59	0 36	7 1	12 19	10 21	9 56	12 0	16 12	4 6
T 9	23 26	18 31	3 22	22 47	0 28	24 23	1 0	14 0	2 59	20 8	0 43	22 58	0 16	7 20	0 46	21 59	0 36	7 1	12 19	10 25	9 57	11 59	16 11	4 6
W10	23 28	17 2	2 30	22 30	0 47	24 20	1 2	13 57	3 1	20 7	0 43	22 57	0 16	7 20	0 46	21 59	0 36	7 2	12 20	10 27	9 58	11 57	16 11	4 6
T 11	23 30	14 50	1 32	22 13	1 7	24 17	1 4	13 55	3 3	20 6	0 43	22 57	0 16	7 19	0 46	21 59	0 36	7 2	12 20	10 29	10 0	11 56	16 10	4 6
F 12	23 31	12 2	0 30	21 56	1 27	24 13	1 6	13 54	3 5	20 5	0 42	22 56	0 16	7 18	0 46	21 59	0 36	7 2	12 20	10 29	10 1	11 54	16 10	4 6
S 13	23 32	8 45	0n32	21 40	1 46	24 9	1 8	13 52	3 7	20 4	0 42	22 56	0 16	7 18	0 45	21 59	0 36	7 3	12 20	10 29	10 2	11 53	16 9	4 6
S 14	23 32	5 7	1 34	21 24	2 4	24 4	1 9	13 51	3 9	20 3	0 42	22 56	0 16	7 17	0 45	22 0	0 36	7 3	12 20	10 29	10 3	11 51	16 8	4 6
M15	23 32	1 16	2 33	21 9	2 21	23 58	1 11	13 50	3 11	20 2	0 42	22 55	0 16	7 17	0 45	22 0	0 36	7 3	12 20	10 29	10 4	11 50	16 8	4 6
T 16	23 31	2s43	3 25	20 55	2 36	23 51	1 13	13 49	3 13	20 1	0 42	22 55	0 16	7 16	0 45	22 0	0 36	7 3	12 20	10 29	10 5	11 48	16 7	4 6
W17	23 30	6 41	4 9	20 43	2 49	23 43	1 14	13 48	3 16	20 0	0 41	22 54	0 15	7 15	0 45	22 0	0 36	7 4	12 21	10 31	10 7	11 47	16 7	4 6
T 18	23 29	10 27	4 42	20 32	3 0	23 35	1 16	13 48	3 18	19 59	0 41	22 54	0 15	7 15	0 45	22 0	0 36	7 4	12 21	10 33	10 8	11 46	16 6	4 6
F 19	23 27	13 50	5 2	20 22	3 8	23 26	1 17	13 48	3 20	19 58	0 41	22 53	0 15	7 14	0 45	22 1	0 36	7 4	12 21	10 35	10 9	11 44	16 6	4 6
S 20	23 24	16 35	5 5	20 15	3 14	23 16	1 18	13 48	3 22	19 57	0 41	22 53	0 15	7 13	0 45	22 1	0 36	7 5	12 21	10 39	10 10	11 43	16 5	4 6
S 21	23 21	18 26	4 49	20 10	3 17	23 6	1 20	13 48	3 24	19 56	0 40	22 52	0 15	7 13	0 45	22 1	0 36	7 5	12 21	10 42	10 11	11 41	16 5	4 6
M22	23 18	19 10	4 15	20 7	3 19	22 55	1 21	13 49	3 26	19 55	0 40	22 52	0 15	7 12	0 45	22 1	0 36	7 5	12 22	10 45	10 12	11 40	16 4	4 6
T 23	23 14	18 37	3 24	20 6	3 18	22 43	1 22	13 50	3 28	19 54	0 40	22 51	0 15	7 11	0 45	22 1	0 36	7 5	12 22	10 48	10 14	11 38	16 4	4 5
W24	23 9	16 48	2 18	20 8	3 15	22 31	1 23	13 51	3 30	19 53	0 40	22 51	0 15	7 10	0 45	22 2	0 36	7 5	12 22	10 50	10 15	11 37	16 4	4 5
T 25	23 4	13 52	1 4	20 11	3 11	22 17	1 24	13 52	3 33	19 53	0 40	22 50	0 15	7 10	0 45	22 2	0 36	7 6	12 22	10 51	10 16	11 35	16 3	4 5
F 26	22 59	10 5	0s15	20 16	3 5	22 4	1 25	13 54	3 35	19 52	0 39	22 50	0 15	7 9	0 45	22 2	0 36	7 6	12 22	10 51	10 17	11 34	16 3	4 5
S 27	22 53	5 45	1 32	20 22	2 59	21 49	1 26	13 56	3 37	19 51	0 39	22 49	0 15	7 8	0 45	22 2	0 36	7 6	12 23	10 51	10 18	11 32	16 2	4 5
S 28	22 47	1 11	2 41	20 30	2 51	21 34	1 27	13 58	3 39	19 51	0 39	22 49	0 15	7 7	0 45	22 3	0 36	7 6	12 23	10 51	10 19	11 31	16 2	4 5
M29	22 41	3n21	3 40	20 39	2 43	21 18	1 28	14 1	3 41	19 50	0 39	22 48	0 15	7 6	0 45	22 3	0 36	7 6	12 23	10 50	10 20	11 29	16 2	4 5
T 30	22 33	7 37	4 25	20 49	2 34	21 2	1 29	14 4	3 43	19 50	0 38	22 48	0 15	7 5	0 45	22 3	0 35	7 6	12 23	10 51	10 22	11 28	16 1	4 5
W31	22s26	11n26	4s55	20s59	2n25	20s45	1s30	14n 7	3n45	19n49	0s38	22s47	0n14	7s 5	0s45	22n 3	0s35	7s 7	12n24	10n52	10n23	11n26	16n 1	4s 5

Julian Day Number = 2179050.5, Delta T = 11m39s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'09, Lahiri = 13°27'10 Julian Calendar 1 Dec. 1253 == Greg. Calendar 8 Dec. 1253

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ASTRODIENST EPHEMERIS for the year 1254
geocentric

JANUARY 1254 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 10 13	18♑ 9'02	27♉ 9	24♐41	5♒24	2°R29	0°R57	11♑42	13♓52	15°R23	25♏18	1°R45	3♍ 8	29♌24	28°R53	T 1
F 2	7 14 10	19°10'07	10♊ 3	25°19	6°39	2♍24	0♊53	11°49	13°54	15♋21	25°20	1♍38	3° 4	29°31	28♉52	F 2
S 3	7 18 6	20°11'10	22°45	26° 3	7°54	2°19	0°50	11°56	13°56	15°20	25°22	1°30	3° 1	29°38	28°50	S 3
S 4	7 22 3	21°12'13	5♋15	26°51	9° 9	2°13	0°48	12° 3	13°59	15°18	25°23	1°22	2°58	29°44	28°48	S 4
M 5	7 25 59	22°13'15	17°33	27°43	10°24	2° 6	0°45	12°10	14° 1	15°16	25°25	1°15	2°55	29°51	28°46	M 5
T 6	7 29 56	23°14'15	29°42	28°38	11°39	1°58	0°42	12°17	14° 4	15°14	25°26	1°10	2°52	29°58	28°45	T 6
W 7	7 33 52	24°15'16	11♌42	29°36	12°54	1°50	0°40	12°24	14° 6	15°13	25°28	1° 6	2°48	0♍ 4	28°43	W 7
T 8	7 37 49	25°16'15	23°34	0♑38	14° 9	1°40	0°38	12°31	14° 9	15°11	25°29	1° 4	2°45	0°11	28°42	T 8
F 9	7 41 46	26°17'13	5♍22	1°42	15°24	1°30	0°36	12°38	14°11	15° 9	25°31	1°D 3	2°42	0°17	28°40	F 9
S 10	7 45 42	27°18'11	17° 9	2°48	16°39	1°19	0°34	12°45	14°14	15° 8	25°32	1° 5	2°39	0°24	28°39	S 10
S 11	7 49 39	28°19'07	28°58	3°57	17°54	1° 7	0°33	12°52	14°16	15° 6	25°33	1° 6	2°36	0°31	28°38	S 11
M12	7 53 35	29°20'03	10♎53	5° 8	19° 9	0°55	0°32	12°59	14°19	15° 5	25°35	1° 8	2°33	0°37	28°36	M12
T 13	7 57 32	0♒20'58	23° 1	6°20	20°23	0°42	0°31	13° 6	14°22	15° 3	25°36	1° 9	2°29	0°44	28°35	T 13
W14	8 1 28	1°21'53	5♏25	7°34	21°38	0°28	0°30	13°13	14°24	15° 1	25°37	1°R10	2°26	0°51	28°34	W14
T 15	8 5 25	2°22'46	18°11	8°50	22°53	0°13	0°29	13°20	14°27	15° 0	25°38	1° 8	2°23	0°57	28°33	T 15
F 16	8 9 21	3°23'39	1♐22	10° 7	24° 8	29♌57	0°29	13°26	14°30	14°58	25°40	1° 6	2°20	1° 4	28°32	F 16
S 17	8 13 18	4°24'31	15° 0	11°26	25°23	29°41	0°28	13°33	14°32	14°56	25°41	1° 3	2°17	1°11	28°31	S 17
S 18	8 17 15	5°25'22	29° 7	12°46	26°37	29°24	0°D28	13°40	14°35	14°55	25°42	0°59	2°13	1°17	28°31	S 18
M19	8 21 11	6°26'12	13♑39	14° 7	27°52	29° 7	0°29	13°47	14°38	14°53	25°43	0°55	2°10	1°24	28°30	M19
T 20	8 25 8	7°27'00	28°31	15°30	29° 7	28°49	0°29	13°53	14°41	14°52	25°44	0°52	2° 7	1°31	28°29	T 20
W21	8 29 4	8°27'48	13♒36	16°53	0♓21	28°30	0°29	14° 0	14°44	14°50	25°45	0°50	2° 4	1°37	28°29	W21
T 22	8 33 1	9°28'34	28°43	18°18	1°36	28°10	0°30	14° 7	14°47	14°49	25°46	0°D49	2° 1	1°44	28°28	T 22
F 23	8 36 57	10°29'18	13♓45	19°44	2°50	27°50	0°31	14°13	14°50	14°47	25°47	0°50	1°58	1°51	28°28	F 23
S 24	8 40 54	11°30'01	28°32	21°10	4° 5	27°30	0°32	14°20	14°53	14°46	25°48	0°51	1°54	1°57	28°27	S 24
S 25	8 44 50	12°30'42	13♈ 0	22°38	5°20	27° 9	0°34	14°27	14°56	14°44	25°49	0°52	1°51	2° 4	28°27	S 25
M26	8 48 47	13°31'21	27° 5	24° 6	6°34	26°47	0°35	14°33	14°59	14°43	25°50	0°53	1°48	2°10	28°27	M26
T 27	8 52 44	14°31'59	10♉47	25°36	7°48	26°25	0°37	14°40	15° 2	14°41	25°51	0°R54	1°45	2°17	28°27	T 27
W28	8 56 40	15°32'35	24° 7	27° 6	9° 3	26° 3	0°39	14°46	15° 5	14°40	25°52	0°54	1°42	2°24	28°D27	W28
T 29	9 0 37	16°33'09	7♊ 6	28°38	10°17	25°40	0°41	14°53	15° 8	14°39	25°52	0°53	1°39	2°30	28°27	T 29
F 30	9 4 33	17°33'41	19°48	0♒10	11°32	25°17	0°44	14°59	15°11	14°37	25°53	0°51	1°35	2°37	28°27	F 30
S 31	9 8 30	18♒34'12	2♋14	1♒43	12♓46	24♌54	0♊46	15♑ 5	15♓14	14♋36	25♏54	0♍50	1♍32	2♍44	28♉27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s18	14n36	5s 8	21s10	2n16	20s27	1s30	14n10	3n48	19n49	0s38	22s47	0n14	7s 4	0s45	22n 3	0s35	7s 7	12n24	10n54	10n24	11n25	16n 1	4s 4	
F 2	22 9	17 0	5 6	21 21	2 6	20 9	1 31	14 14	3 50	19 48	0 38	22 46	0 14	7 3	0 45	22 4	0 35	7 7	12 24	10 56	10 25	11 23	16 1	4 4	
S 3	22 1	18 32	4 48	21 32	1 56	19 50	1 32	14 17	3 52	19 48	0 38	22 46	0 14	7 2	0 45	22 4	0 35	7 7	12 24	10 59	10 26	11 22	16 0	4 4	
S 4	21 51	19 9	4 17	21 43	1 47	19 31	1 32	14 22	3 54	19 47	0 37	22 45	0 14	7 1	0 45	22 4	0 35	7 7	12 25	11 2	10 27	11 20	16 0	4 4	
M 5	21 42	18 50	3 35	21 54	1 37	19 11	1 32	14 26	3 56	19 47	0 37	22 44	0 14	7 0	0 45	22 4	0 35	7 7	12 25	11 4	10 29	11 19	16 0	4 4	
T 6	21 31	17 39	2 43	22 5	1 27	18 51	1 33	14 31	3 58	19 47	0 37	22 44	0 14	6 59	0 45	22 4	0 35	7 7	12 25	11 6	10 30	11 17	16 0	4 4	
W 7	21 21	15 41	1 44	22 15	1 17	18 30	1 33	14 36	4 0	19 46	0 37	22 43	0 14	6 58	0 45	22 5	0 35	7 7	12 25	11 8	10 31	11 16	15 59	4 4	
T 8	21 10	13 4	0 41	22 25	1 7	18 8	1 33	14 41	4 2	19 46	0 36	22 43	0 14	6 57	0 45	22 5	0 35	7 7	12 26	11 8	10 32	11 14	15 59	4 3	
F 9	20 59	9 57	0n24	22 34	0 57	17 46	1 33	14 46	4 4	19 46	0 36	22 42	0 14	6 56	0 45	22 5	0 35	7 7	12 26	11 8	10 33	11 13	15 59	4 3	
S 10	20 47	6 26	1 27	22 42	0 48	17 24	1 33	14 52	4 6	19 46	0 36	22 41	0 14	6 55	0 45	22 5	0 35	7 7	12 26	11 8	10 34	11 11	15 59	4 3	
S 11	20 35	2 40	2 27	22 50	0 38	17 1	1 33	14 58	4 8	19 46	0 36	22 41	0 14	6 54	0 45	22 5	0 35	7 7	12 27	11 7	10 35	11 10	15 59	4 3	
M12	20 22	1s14	3 21	22 57	0 29	16 37	1 33	15 4	4 9	19 46	0 35	22 40	0 14	6 53	0 44	22 6	0 35	7 7	12 27	11 7	10 37	11 8	15 59	4 3	
T 13	20 9	5 9	4 8	23 3	0 20	16 13	1 33	15 11	4 11	19 46	0 35	22 40	0 14	6 52	0 44	22 6	0 35	7 7	12 27	11 6	10 38	11 7	15 59	4 3	
W14	19 56	8 56	4 43	23 8	0 11	15 49	1 33	15 17	4 13	19 46	0 35	22 39	0 13	6 51	0 44	22 6	0 35	7 7	12 27	11 6	10 39	11 5	15 59	4 2	
T 15	19 42	12 24	5 6	23 12	0 3	15 24	1 33	15 24	4 14	19 46	0 35	22 38	0 13	6 50	0 44	22 6	0 35	7 7	12 28	11 7	10 40	11 3	15 59	4 2	
F 16	19 28	15 23	5 14	23 15	0s 6	14 59	1 32	15 31	4 16	19 46	0 34	22 38	0 13	6 49	0 44	22 6	0 35	7 7	12 28	11 8	10 41	11 2	15 59	4 2	
S 17	19 14	17 38	5 5	23 16	0 14	14 33	1 32	15 38	4 18	19 46	0 34	22 37	0 13	6 47	0 44	22 7	0 35	7 7	12 28	11 9	10 42	11 0	15 59	4 2	
S 18	18 59	18 54	4 38	23 17	0 22	14 7	1 31	15 46	4 19	19 47	0 34	22 37	0 13	6 46	0 44	22 7	0 35	7 7	12 29	11 10	10 43	10 59	15 59	4 2	
M19	18 44	19 0	3 52	23 17	0 30	13 41	1 31	15 53	4 20	19 47	0 34	22 36	0 13	6 45	0 44	22 7	0 35	7 7	12 29	11 11	10 45	10 57	15 59	4 2	
T 20	18 29	17 47	2 49	23 15	0 38	13 14	1 30	16 1	4 22	19 47	0 34	22 35	0 13	6 44	0 44	22 7	0 35	7 7	12 29	11 13	10 46	10 56	15 59	4 1	
W21	18 13	15 19	1 34	23 12	0 45	12 47	1 29	16 9	4 23	19 47	0 33	22 35	0 13	6 43	0 44	22 7	0 35	7 7	12 30	11 13	10 47	10 54	15 59	4 1	
T 22	17 57	11 47	0 12	23 8	0 52	12 20	1 29	16 17	4 24	19 48	0 33	22 34	0 13	6 42	0 44	22 8	0 35	7 7	12 30	11 14	10 48	10 53	15 59	4 1	
F 23	17 41	7 30	1s11	23 3	0 59	11 52	1 28	16 25	4 25	19 48	0 33	22 33	0 13	6 41	0 44	22 8	0 35	7 7	12 30	11 13	10 49	10 51	15 59	4 1	
S 24	17 24	2 50	2 27	22 56	1 5	11 24	1 27	16 33	4 26	19 49	0 33	22 33	0 13	6 39	0 44	22 8	0 35	7 7	12 31	11 13	10 50	10 50	15 59	4 1	
S 25	17 7	1n53	3 33	22 48	1 11	10 56	1 26	16 41	4 27	19 49	0 32	22 32	0 13	6 38	0 44	22 8	0 35	7 7	12 31	11 13	10 51	10 48	15 59	4 0	
M26	16 50	6 23	4 23	22 39	1 17	10 27	1 25	16 49	4 28	19 50	0 32	22 31	0 13	6 37	0 44	22 8	0 35	7 6	12 31	11 12	10 53	10 46	15 59	4 0	
T 27	16 32	10 24	4 58	22 28	1 23	9 58	1 24	16 58	4 29	19 50	0 32	22 31	0 13	6 36	0 44	22 8	0 35	7 6	12 32	11 12	10 54	10 45	15 59	4 0	
W28	16 14	13 47	5 15	22 16	1 28	9 29	1 23	17 6	4 29	19 51	0 32	22 30	0 13	6 35	0 44	22 9	0 35	7 6	12 32	11 12	10 55	10 43	16 0	4 0	
T 29	15 56	16 24	5 15	22 2	1 33	9 0	1 21	17 14	4 30	19 52	0 32	22 30	0 13	6 33	0 44	22 9	0 35	7 6	12 32	11 12	10 56	10 42	16 0	4 0	
F 30	15 38	18 9	5 0	21 47	1 38	8 30	1 20	17 23	4 30	19 52	0 31	22 29	0 12	6 32	0 44	22 9	0 35	7 6	12 33	11 13	10 57	10 40	16 0	3 59	
S 31	15s19	19n 0	4s31	21s31	1s42	8s 0	1s18	17n31	4n30	19n53	0s31	22s28	0n12	6s31	0s44	22n 9	0s35	7s 6	12n33	11n13	10n58	10n39	16n 0	3s59	

Julian Day Number = 2179081.5, Delta T = 11m39s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'13, Lahiri = 13°27'14 Julian Calendar 1 Jan. 1254 == Greg. Calendar 8 Jan. 1254

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1254
geocentric

FEBRUARY 1254 JC 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 12 26	19♒34'40	14♋28	3♒18	14♓ 0	24°R31	0♊49	15♑12	15♓18	14°R35	25♏54	0°R48	1♍29	2♍50	28♉27	S 1
M 2	9 16 23	20°35'07	26°33	4°53	15°14	24♌ 7	0°52	15°18	15°21	14♋33	25°55	0♍46	1°26	2°57	28°28	M 2
T 3	9 20 19	21°35'32	8♌30	6°29	16°29	23°43	0°55	15°24	15°24	14°32	25°56	0°45	1°23	3° 4	28°28	T 3
W 4	9 24 16	22°35'55	20°22	8° 6	17°43	23°20	0°58	15°30	15°27	14°31	25°56	0°44	1°19	3°10	28°29	W 4
T 5	9 28 13	23°36'17	2♍11	9°44	18°57	22°56	1° 2	15°36	15°30	14°29	25°57	0°D44	1°16	3°17	28°29	T 5
F 6	9 32 9	24°36'37	13°58	11°23	20°11	22°32	1° 6	15°42	15°34	14°28	25°57	0°45	1°13	3°24	28°30	F 6
S 7	9 36 6	25°36'55	25°47	13° 3	21°25	22° 8	1° 9	15°48	15°37	14°27	25°58	0°45	1°10	3°30	28°31	S 7
S 8	9 40 2	26°37'12	7♎40	14°44	22°39	21°45	1°13	15°54	15°40	14°26	25°58	0°45	1° 7	3°37	28°31	S 8
M 9	9 43 59	27°37'27	19°40	16°25	23°53	21°21	1°18	16° 0	15°43	14°25	25°59	0°46	1° 4	3°43	28°32	M 9
T 10	9 47 55	28°37'40	1♏50	18° 8	25° 7	20°58	1°22	16° 6	15°47	14°24	25°59	0°46	1° 0	3°50	28°33	T 10
W11	9 51 52	29°37'52	14°14	19°52	26°21	20°35	1°27	16°12	15°50	14°22	25°59	0°46	0°57	3°57	28°34	W11
T 12	9 55 48	0♓38'02	26°56	21°37	27°34	20°12	1°31	16°18	15°53	14°21	26° 0	0°46	0°54	4° 3	28°35	T 12
F 13	9 59 45	1°38'11	10♐ 0	23°23	28°48	19°49	1°36	16°24	15°57	14°20	26° 0	0°46	0°51	4°10	28°36	F 13
S 14	10 3 41	2°38'18	23°29	25°11	0♈ 2	19°27	1°42	16°29	16° 0	14°19	26° 0	0°46	0°48	4°17	28°38	S 14
S 15	10 7 38	3°38'24	7♑24	26°59	1°15	19° 5	1°47	16°35	16° 3	14°18	26° 0	0°47	0°45	4°23	28°39	S 15
M16	10 11 35	4°38'28	21°46	28°48	2°29	18°44	1°52	16°40	16° 7	14°17	26° 0	0°47	0°41	4°30	28°40	M16
T 17	10 15 31	5°38'30	6♒30	0♓39	3°43	18°23	1°58	16°46	16°10	14°16	26° 0	0°47	0°38	4°37	28°42	T 17
W18	10 19 28	6°38'30	21°32	2°30	4°56	18° 2	2° 4	16°51	16°14	14°15	26° 1	0°48	0°35	4°43	28°43	W18
T 19	10 23 24	7°38'29	6♓45	4°23	6°10	17°42	2°10	16°57	16°17	14°15	26° 1	0°R48	0°32	4°50	28°45	T 19
F 20	10 27 21	8°38'26	21°57	6°16	7°23	17°23	2°16	17° 2	16°20	14°14	26°R 1	0°47	0°29	4°57	28°47	F 20
S 21	10 31 17	9°38'20	7♈ 0	8°11	8°37	17° 4	2°22	17° 7	16°24	14°13	26° 1	0°47	0°25	5° 3	28°48	S 21
S 22	10 35 14	10°38'12	21°45	10° 7	9°50	16°46	2°28	17°12	16°27	14°12	26° 1	0°46	0°22	5°10	28°50	S 22
M23	10 39 10	11°38'03	6♉ 6	12° 3	11° 3	16°28	2°35	17°17	16°31	14°11	26° 0	0°44	0°19	5°16	28°52	M23
T 24	10 43 7	12°37'51	20° 1	14° 1	12°16	16°12	2°42	17°22	16°34	14°11	26° 0	0°43	0°16	5°23	28°54	T 24
W25	10 47 4	13°37'36	3♊28	15°59	13°30	15°56	2°49	17°27	16°38	14°10	26° 0	0°42	0°13	5°30	28°56	W25
T 26	10 51 0	14°37'20	16°29	17°58	14°43	15°40	2°56	17°32	16°41	14° 9	26° 0	0°D42	0°10	5°36	28°58	T 26
F 27	10 54 57	15°37'01	29° 8	19°57	15°56	15°25	3° 3	17°37	16°44	14° 9	26° 0	0°43	0° 6	5°43	29° 0	F 27
S 28	10 58 53	16♓36'40	11♋29	21♓57	17♈ 9	15♌11	3♊10	17♑42	16♓48	14♋ 8	25♏59	0♍44	0♍ 3	5♍50	29♉ 2	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	15s 0	18n56	3s50	21s13	1s46	7s30	1s17	17n39	4n31	19n54	0s31	22s28	0n12	6s30	0s44	22n 9	0s35	7s 5	12n33	11n14	10n59	10n37	16n 0	3s59	S 1
M 2	14 41	18 0	2 59	20 54	1 50	7 0	1 15	17 47	4 31	19 55	0 31	22 27	0 12	6 28	0 44	22 9	0 35	7 5	12 34	11 15	11 0	10 35	16 1	3 59	M 2
T 3	14 22	16 16	2 0	20 34	1 54	6 29	1 14	17 55	4 31	19 56	0 30	22 26	0 12	6 27	0 44	22 10	0 35	7 5	12 34	11 15	11 2	10 34	16 1	3 59	T 3
W 4	14 2	13 51	0 57	20 11	1 57	5 59	1 12	18 3	4 31	19 57	0 30	22 26	0 12	6 26	0 44	22 10	0 35	7 5	12 34	11 15	11 3	10 32	16 1	3 58	W 4
T 5	13 42	10 52	0n 8	19 48	1 59	5 28	1 10	18 11	4 30	19 57	0 30	22 25	0 12	6 25	0 44	22 10	0 35	7 5	12 35	11 15	11 4	10 31	16 2	3 58	T 5
F 6	13 22	7 27	1 13	19 23	2 2	4 57	1 9	18 18	4 30	19 58	0 30	22 24	0 12	6 23	0 44	22 10	0 35	7 4	12 35	11 15	11 5	10 29	16 2	3 58	F 6
S 7	13 2	3 45	2 15	18 56	2 4	4 26	1 7	18 26	4 30	19 59	0 30	22 24	0 12	6 22	0 44	22 10	0 35	7 4	12 35	11 15	11 6	10 27	16 2	3 58	S 7
S 8	12 41	0s 7	3 11	18 28	2 5	3 55	1 5	18 33	4 29	20 0	0 29	22 23	0 12	6 21	0 44	22 10	0 35	7 4	12 36	11 15	11 7	10 26	16 3	3 58	S 8
M 9	12 21	4 1	4 0	17 59	2 6	3 24	1 3	18 40	4 28	20 2	0 29	22 22	0 12	6 20	0 44	22 11	0 35	7 4	12 36	11 15	11 8	10 24	16 3	3 58	M 9
T 10	12 0	7 48	4 39	17 28	2 7	2 53	1 1	18 47	4 28	20 3	0 29	22 22	0 12	6 18	0 44	22 11	0 35	7 3	12 36	11 15	11 10	10 23	16 3	3 57	T 10
W11	11 39	11 19	5 5	16 55	2 7	2 22	0 59	18 54	4 27	20 4	0 29	22 21	0 12	6 17	0 44	22 11	0 35	7 3	12 37	11 15	11 11	10 21	16 4	3 57	W11
T 12	11 18	14 24	5 18	16 21	2 7	1 50	0 57	19 0	4 26	20 5	0 29	22 21	0 12	6 16	0 44	22 11	0 35	7 3	12 37	11 15	11 12	10 19	16 4	3 57	T 12
F 13	10 56	16 51	5 14	15 46	2 6	1 19	0 54	19 7	4 25	20 6	0 28	22 20	0 12	6 14	0 44	22 11	0 35	7 3	12 38	11 15	11 13	10 18	16 5	3 57	F 13
S 14	10 34	18 29	4 54	15 9	2 5	0 47	0 52	19 13	4 23	20 7	0 28	22 19	0 12	6 13	0 44	22 11	0 35	7 2	12 38	11 15	11 14	10 16	16 5	3 57	S 14
S 15	10 13	19 4	4 16	14 30	2 4	0 16	0 50	19 18	4 22	20 9	0 28	22 19	0 11	6 12	0 44	22 11	0 35	7 2	12 38	11 14	11 15	10 15	16 6	3 56	S 15
M16	9 51	18 28	3 21	13 50	2 2	0n16	0 47	19 24	4 21	20 10	0 28	22 18	0 11	6 10	0 44	22 12	0 35	7 2	12 39	11 14	11 16	10 13	16 6	3 56	M16
T 17	9 29	16 36	2 11	13 9	1 59	0 48	0 45	19 29	4 19	20 11	0 27	22 17	0 11	6 9	0 44	22 12	0 35	7 1	12 39	11 14	11 17	10 11	16 7	3 56	T 17
W18	9 7	13 34	0 51	12 26	1 56	1 19	0 43	19 34	4 18	20 13	0 27	22 17	0 11	6 8	0 44	22 12	0 34	7 1	12 39	11 14	11 19	10 10	16 7	3 56	W18
T 19	8 44	9 35	0s33	11 42	1 53	1 51	0 40	19 39	4 16	20 14	0 27	22 16	0 11	6 6	0 44	22 12	0 34	7 1	12 40	11 14	11 20	10 8	16 8	3 56	T 19
F 20	8 22	4 58	1 55	10 56	1 49	2 22	0 37	19 43	4 15	20 15	0 27	22 16	0 11	6 5	0 44	22 12	0 34	7 0	12 40	11 14	11 21	10 7	16 8	3 55	F 20
S 21	7 59	0 5	3 8	10 8	1 44	2 54	0 35	19 48	4 13	20 17	0 27	22 15	0 11	6 4	0 44	22 12	0 34	7 0	12 40	11 14	11 22	10 5	16 9	3 55	S 21
S 22	7 36	4n41	4 7	9 20	1 39	3 25	0 32	19 51	4 11	20 18	0 27	22 14	0 11	6 2	0 44	22 12	0 34	7 0	12 41	11 15	11 23	10 3	16 9	3 55	S 22
M23	7 14	9 4	4 49	8 30	1 33	3 56	0 29	19 55	4 9	20 20	0 26	22 14	0 11	6 1	0 44	22 12	0 34	6 59	12 41	11 15	11 24	10 2	16 10	3 55	M23
T 24	6 51	12 48	5 12	7 39	1 27	4 28	0 27	19 58	4 7	20 21	0 26	22 13	0 11	6 0	0 44	22 12	0 34	6 59	12 41	11 16	11 25	10 0	16 10	3 55	T 24
W25	6 28	15 44	5 17	6 47	1 20	4 59	0 24	20 1	4 5	20 23	0 26	22 13	0 11	5 58	0 44	22 13	0 34	6 59	12 42	11 16	11 26	9 58	16 11	3 54	W25
T 26	6 5	17 47	5 6	5 53	1 12	5 30	0 21	20 4	4 3	20 24	0 26	22 12	0 11	5 57	0 44	22 13	0 34	6 58	12 42	11 16	11 28	9 57	16 12	3 54	T 26
F 27	5 42	18 53	4 39	4 59	1 4	6 1	0 18	20 6	4 1	20 26	0 26	22 11	0 11	5 56	0 44	22 13	0 34	6 58	12 42	11 16	11 29	9 55	16 12	3 54	F 27
S 28	5s18	19n 2	4s 1	4s 4	0s56	6n31	0s15	20n 9	3n59	20n28	0s25	22s11	0n11	5s54	0s44	22n13	0s34	6s57	12n43	11n16	11n30	9n54	16n13	3s54	S 28

Julian Day Number = 2179112.5, Delta T = 11m39s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'18, Lahiri = 13°27'18 Julian Calendar 1 Feb. 1254 == Greg. Calendar 8 Feb. 1254

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ASTRODIENST EPHEMERIS for the year 1254
geocentric

MARCH 1254 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 2 50	17♓36'16	23♋35	23♓57	18♈22	14°R58	3♊18	17♑47	16♓51	14°R 7	25°R59	0♍45	0♍ 0	5♍56	29♉ 5	S 1
M 2	11 6 46	18°35'51	5♌32	25°57	19°34	14♌46	3°25	17°51	16°55	14♋ 7	25♏59	0°46	29♌57	6° 3	29° 7	M 2
T 3	11 10 43	19°35'23	17°22	27°57	20°47	14°34	3°33	17°56	16°58	14° 6	25°58	0°48	29°54	6°10	29° 9	T 3
W 4	11 14 39	20°34'52	29° 9	29°56	22° 0	14°23	3°41	18° 0	17° 2	14° 6	25°58	0°R48	29°50	6°16	29°12	W 4
T 5	11 18 36	21°34'20	10♍56	1♈55	23°13	14°13	3°49	18° 5	17° 5	14° 5	25°58	0°48	29°47	6°23	29°14	T 5
F 6	11 22 33	22°33'45	22°46	3°52	24°25	14° 4	3°57	18° 9	17° 8	14° 5	25°57	0°46	29°44	6°30	29°17	F 6
S 7	11 26 29	23°33'09	4♎41	5°48	25°38	13°55	4° 6	18°13	17°12	14° 5	25°57	0°44	29°41	6°36	29°20	S 7
S 8	11 30 26	24°32'30	16°42	7°41	26°50	13°47	4°14	18°17	17°15	14° 4	25°56	0°40	29°38	6°43	29°22	S 8
M 9	11 34 22	25°31'50	28°51	9°33	28° 3	13°40	4°23	18°22	17°19	14° 4	25°56	0°36	29°35	6°50	29°25	M 9
T 10	11 38 19	26°31'07	11♏11	11°21	29°15	13°34	4°31	18°26	17°22	14° 4	25°55	0°32	29°31	6°56	29°28	T 10
W11	11 42 15	27°30'23	23°43	13° 6	0♉27	13°29	4°40	18°30	17°25	14° 3	25°54	0°28	29°28	7° 3	29°31	W11
T 12	11 46 12	28°29'36	6♐29	14°48	1°39	13°24	4°49	18°33	17°29	14° 3	25°54	0°25	29°25	7° 9	29°34	T 12
F 13	11 50 8	29°28'48	19°33	16°26	2°51	13°20	4°58	18°37	17°32	14° 3	25°53	0°23	29°22	7°16	29°37	F 13
S 14	11 54 5	0♈27'59	2♑55	17°59	4° 3	13°17	5° 7	18°41	17°36	14° 3	25°52	0°D23	29°19	7°23	29°40	S 14
S 15	11 58 1	1°27'07	16°39	19°27	5°15	13°15	5°17	18°45	17°39	14° 3	25°52	0°24	29°16	7°29	29°43	S 15
M16	12 1 58	2°26'14	0♒45	20°51	6°27	13°13	5°26	18°48	17°42	14° 3	25°51	0°25	29°12	7°36	29°46	M16
T 17	12 5 55	3°25'19	15°13	22° 9	7°39	13°12	5°35	18°51	17°46	14° 3	25°50	0°26	29° 9	7°43	29°49	T 17
W18	12 9 51	4°24'22	29°58	23°22	8°51	13°D12	5°45	18°55	17°49	14°D 3	25°49	0°R27	29° 6	7°49	29°52	W18
T 19	12 13 48	5°23'23	14♓58	24°29	10° 2	13°13	5°55	18°58	17°52	14° 3	25°48	0°26	29° 3	7°56	29°56	T 19
F 20	12 17 44	6°22'22	0♈ 2	25°29	11°14	13°14	6° 5	19° 1	17°56	14° 3	25°47	0°24	29° 0	8° 3	29°59	F 20
S 21	12 21 41	7°21'19	15° 4	26°24	12°26	13°16	6°15	19° 4	17°59	14° 3	25°47	0°20	28°56	8° 9	0♊ 3	S 21
S 22	12 25 37	8°20'14	29°53	27°13	13°37	13°19	6°25	19° 7	18° 2	14° 3	25°46	0°14	28°53	8°16	0° 6	S 22
M23	12 29 34	9°19'07	14♉22	27°55	14°48	13°23	6°35	19°10	18° 5	14° 3	25°45	0° 8	28°50	8°23	0°10	M23
T 24	12 33 30	10°17'58	28°25	28°30	16° 0	13°27	6°45	19°13	18° 9	14° 3	25°44	0° 2	28°47	8°29	0°13	T 24
W25	12 37 27	11°16'47	12♊ 0	28°59	17°11	13°32	6°56	19°16	18°12	14° 3	25°43	29♌58	28°44	8°36	0°17	W25
T 26	12 41 24	12°15'33	25° 8	29°22	18°22	13°37	7° 6	19°19	18°15	14° 4	25°42	29°54	28°41	8°42	0°21	T 26
F 27	12 45 20	13°14'17	7♋50	29°38	19°33	13°43	7°17	19°21	18°18	14° 4	25°40	29°D53	28°37	8°49	0°24	F 27
S 28	12 49 17	14°12'59	20°11	29°48	20°44	13°50	7°27	19°24	18°22	14° 4	25°39	29°53	28°34	8°56	0°28	S 28
S 29	12 53 13	15°11'38	2♌17	29°R51	21°55	13°58	7°38	19°26	18°25	14° 4	25°38	29°54	28°31	9° 2	0°32	S 29
M30	12 57 10	16°10'15	14°11	29°48	23° 5	14° 6	7°49	19°28	18°28	14° 5	25°37	29°55	28°28	9° 9	0°36	M30
T 31	13 1 6	17♈ 8'50	25♌59	29♈40	24♉16	14♌15	8♊ 0	19♑31	18♓31	14♋ 5	25♏36	29°R56	28♌25	9♍16	0♊40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s55	18n19	3s12	3s 8	0s47	7n 2	0s12	20n10	3n57	20n29	0s25	22s10	0n11	5s53	0s44	22n13	0s34	6s57	12n43	11n15	11n31	9n52	16n14	3s54
M 2	4 32	16 46	2 16	2 11	0 37	7 33	0 9	20 12	3 54	20 31	0 25	22 10	0 11	5 52	0 44	22 13	0 34	6 57	12 43	11 15	11 32	9 50	16 14	3 54
T 3	4 8	14 31	1 14	1 14	0 27	8 3	0 6	20 13	3 52	20 32	0 25	22 9	0 10	5 50	0 44	22 13	0 34	6 56	12 44	11 14	11 33	9 49	16 15	3 53
W 4	3 45	11 40	0 9	0 16	0 16	8 33	0 3	20 14	3 50	20 34	0 25	22 9	0 10	5 49	0 44	22 13	0 34	6 56	12 44	11 14	11 34	9 47	16 16	3 53
T 5	3 21	8 21	0n56	0n41	0 5	9 3	0 0	20 15	3 48	20 36	0 24	22 8	0 10	5 48	0 44	22 13	0 34	6 56	12 44	11 14	11 35	9 45	16 16	3 53
F 6	2 58	4 41	1 58	1 38	0n 6	9 33	0n 3	20 16	3 45	20 38	0 24	22 8	0 10	5 46	0 44	22 13	0 34	6 55	12 45	11 15	11 37	9 44	16 17	3 53
S 7	2 34	0 50	2 56	2 35	0 18	10 2	0 6	20 16	3 43	20 39	0 24	22 7	0 10	5 45	0 44	22 13	0 34	6 55	12 45	11 15	11 38	9 42	16 18	3 53
S 8	2 11	3s 6	3 47	3 31	0 30	10 31	0 9	20 16	3 40	20 41	0 24	22 7	0 10	5 44	0 44	22 13	0 34	6 54	12 45	11 17	11 39	9 40	16 18	3 53
M 9	1 47	6 56	4 27	4 26	0 42	11 0	0 12	20 16	3 38	20 43	0 24	22 6	0 10	5 42	0 44	22 14	0 34	6 54	12 46	11 18	11 40	9 39	16 19	3 52
T 10	1 23	10 33	4 56	5 20	0 54	11 29	0 15	20 15	3 36	20 45	0 24	22 6	0 10	5 41	0 44	22 14	0 34	6 53	12 46	11 20	11 41	9 37	16 20	3 52
W11	1 0	13 44	5 12	6 13	1 6	11 58	0 18	20 15	3 33	20 46	0 23	22 5	0 10	5 40	0 44	22 14	0 34	6 53	12 46	11 21	11 42	9 35	16 21	3 52
T 12	0 36	16 21	5 12	7 3	1 18	12 26	0 22	20 14	3 31	20 48	0 23	22 5	0 10	5 38	0 44	22 14	0 34	6 53	12 46	11 22	11 43	9 34	16 21	3 52
F 13	0 12	18 11	4 57	7 52	1 30	12 54	0 25	20 12	3 28	20 50	0 23	22 4	0 10	5 37	0 44	22 14	0 34	6 52	12 47	11 23	11 44	9 32	16 22	3 52
S 14	0n11	19 5	4 25	8 39	1 42	13 22	0 28	20 11	3 26	20 52	0 23	22 4	0 10	5 36	0 44	22 14	0 34	6 52	12 47	11 23	11 46	9 30	16 23	3 52
S 15	0 35	18 54	3 37	9 23	1 53	13 49	0 31	20 9	3 23	20 54	0 23	22 3	0 10	5 34	0 44	22 14	0 34	6 51	12 47	11 23	11 47	9 29	16 24	3 52
M16	0 58	17 32	2 36	10 5	2 4	14 16	0 35	20 7	3 21	20 55	0 23	22 3	0 10	5 33	0 44	22 14	0 34	6 51	12 48	11 22	11 48	9 27	16 25	3 51
T 17	1 22	15 1	1 23	10 44	2 14	14 43	0 38	20 5	3 19	20 57	0 22	22 3	0 10	5 32	0 44	22 14	0 34	6 50	12 48	11 22	11 49	9 25	16 25	3 51
W18	1 45	11 29	0 3	11 20	2 24	15 9	0 41	20 3	3 16	20 59	0 22	22 2	0 10	5 30	0 44	22 14	0 34	6 50	12 48	11 21	11 50	9 24	16 26	3 51
T 19	2 9	7 9	1s19	11 53	2 32	15 35	0 44	20 0	3 14	21 1	0 22	22 2	0 9	5 29	0 44	22 14	0 34	6 49	12 48	11 22	11 51	9 22	16 27	3 51
F 20	2 32	2 21	2 35	12 23	2 41	16 1	0 47	19 58	3 11	21 3	0 22	22 1	0 9	5 28	0 44	22 14	0 34	6 49	12 49	11 23	11 52	9 20	16 28	3 51
S 21	2 56	2n35	3 40	12 50	2 48	16 26	0 51	19 55	3 9	21 5	0 22	22 1	0 9	5 27	0 44	22 14	0 34	6 49	12 49	11 24	11 53	9 19	16 29	3 51
S 22	3 19	7 17	4 29	13 13	2 54	16 51	0 54	19 52	3 6	21 7	0 22	22 1	0 9	5 25	0 44	22 14	0 34	6 48	12 49	11 26	11 54	9 17	16 30	3 51
M23	3 42	11 27	4 59	13 33	2 59	17 15	0 57	19 48	3 4	21 9	0 21	22 0	0 9	5 24	0 44	22 14	0 34	6 48	12 49	11 28	11 56	9 15	16 30	3 51
T 24	4 6	14 50	5 11	13 50	3 3	17 39	1 0	19 45	3 2	21 10	0 21	22 0	0 9	5 23	0 44	22 14	0 33	6 47	12 50	11 30	11 57	9 14	16 31	3 50
W25	4 29	17 18	5 4	14 3	3 6	18 3	1 4	19 41	2 59	21 12	0 21	22 0	0 9	5 21	0 44	22 14	0 33	6 47	12 50	11 32	11 58	9 12	16 32	3 50
T 26	4 52	18 45	4 41	14 13	3 8	18 26	1 7	19 37	2 57	21 14	0 21	21 59	0 9	5 20	0 44	22 14	0 33	6 46	12 50	11 33	11 59	9 10	16 33	3 50
F 27	5 15	19 13	4 5	14 19	3 8	18 49	1 10	19 33	2 54	21 16	0 21	21 59	0 9	5 19	0 44	22 14	0 33	6 46	12 50	11 33	12 0	9 8	16 34	3 50
S 28	5 38	18 44	3 19	14 22	3 8	19 11	1 13	19 29	2 52	21 18	0 21	21 59	0 9	5 18	0 44	22 14	0 33	6 45	12 51	11 33	12 1	9 7	16 35	3 50
S 29	6 0	17 23	2 24	14 21	3 5	19 32	1 16	19 25	2 50	21 20	0 21	21 58	0 9	5 16	0 44	22 14	0 33	6 45	12 51	11 33	12 2	9 5	16 36	3 50
M30	6 23	15 18	1 24	14 17	3 2	19 54	1 19	19 20	2 48	21 22	0 20	21 58	0 9	5 15	0 44	22 14	0 33	6 44	12 51	11 33	12 3	9 3	16 37	3 50
T 31	6n46	12n34	0s21	14n 9	2n56	20n14	1n22	19n15	2n45	21n24	0s20	21s58	0n 9	5s14	0s44	22n14	0s33	6s44	12n51	11n32	12n 4	9n 2	16n37	3s50

Julian Day Number = 2179140.5, Delta T = 11m39s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'22, Lahiri = 13°27'22 Julian Calendar 1 March 1254 == Greg. Calendar 8 March 1254

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ASTRODIENST EPHEMERIS for the year 1254
geocentric

APRIL 1254 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 5 3	18♈ 7'23	7♍45	29°R26	25♉26	14♌24	8♊11	19♑33	18♓34	14♋ 6	25°R35	29°R56	28♌22	9♍22	0♊44	W 1
T 2	13 8 59	19° 5'54	19°34	29♈ 6	26°37	14°34	8°22	19°35	18°37	14° 6	25♏34	29♌54	28°18	9°29	0°48	T 2
F 3	13 12 56	20° 4'22	1♎29	28°42	27°47	14°44	8°33	19°37	18°40	14° 7	25°32	29°50	28°15	9°36	0°52	F 3
S 4	13 16 53	21° 2'49	13°31	28°14	28°57	14°55	8°44	19°38	18°43	14° 7	25°31	29°43	28°12	9°42	0°56	S 4
S 5	13 20 49	22° 1'14	25°44	27°42	0♊ 7	15° 7	8°56	19°40	18°46	14° 8	25°30	29°35	28° 9	9°49	1° 0	S 5
M 6	13 24 46	22°59'36	8♏ 8	27° 7	1°17	15°19	9° 7	19°42	18°49	14° 8	25°28	29°25	28° 6	9°56	1° 4	M 6
T 7	13 28 42	23°57'57	20°43	26°30	2°27	15°32	9°19	19°43	18°52	14° 9	25°27	29°15	28° 2	10° 2	1° 8	T 7
W 8	13 32 39	24°56'17	3♐31	25°51	3°37	15°45	9°30	19°45	18°55	14°10	25°26	29° 6	27°59	10° 9	1°12	W 8
T 9	13 36 35	25°54'35	16°31	25°11	4°47	15°59	9°42	19°46	18°58	14°10	25°24	28°58	27°56	10°16	1°17	T 9
F 10	13 40 32	26°52'51	29°44	24°31	5°56	16°13	9°54	19°47	19° 1	14°11	25°23	28°53	27°53	10°22	1°21	F 10
S 11	13 44 28	27°51'05	13♑10	23°51	7° 6	16°27	10° 5	19°49	19° 4	14°12	25°22	28°50	27°50	10°29	1°25	S 11
S 12	13 48 25	28°49'18	26°51	23°13	8°15	16°43	10°17	19°50	19° 7	14°13	25°20	28°D49	27°47	10°35	1°30	S 12
M13	13 52 22	29°47'30	10♒47	22°37	9°24	16°58	10°29	19°51	19° 9	14°14	25°19	28°49	27°43	10°42	1°34	M13
T 14	13 56 18	0♉45'40	24°59	22° 3	10°33	17°14	10°41	19°51	19°12	14°14	25°17	28°R50	27°40	10°49	1°39	T 14
W15	14 0 15	1°43'49	9♓25	21°32	11°42	17°31	10°53	19°52	19°15	14°15	25°16	28°49	27°37	10°55	1°43	W15
T 16	14 4 11	2°41'56	24° 3	21° 4	12°51	17°48	11° 5	19°53	19°18	14°16	25°14	28°47	27°34	11° 2	1°47	T 16
F 17	14 8 8	3°40'01	8♈47	20°41	14° 0	18° 5	11°18	19°53	19°20	14°17	25°13	28°42	27°31	11° 9	1°52	F 17
S 18	14 12 4	4°38'05	23°31	20°21	15° 8	18°23	11°30	19°54	19°23	14°18	25°11	28°35	27°27	11°15	1°57	S 18
S 19	14 16 1	5°36'08	8♉ 8	20° 6	16°17	18°41	11°42	19°54	19°26	14°19	25°10	28°26	27°24	11°22	2° 1	S 19
M20	14 19 57	6°34'09	22°29	19°55	17°25	19° 0	11°55	19°55	19°28	14°20	25° 8	28°15	27°21	11°29	2° 6	M20
T 21	14 23 54	7°32'08	6♊30	19°49	18°33	19°19	12° 7	19°55	19°31	14°21	25° 7	28° 5	27°18	11°35	2°10	T 21
W22	14 27 50	8°30'06	20° 5	19°D47	19°41	19°39	12°20	19°R55	19°33	14°22	25° 5	27°55	27°15	11°42	2°15	W22
T 23	14 31 47	9°28'01	3♋14	19°50	20°49	19°58	12°32	19°55	19°36	14°24	25° 4	27°48	27°12	11°49	2°20	T 23
F 24	14 35 44	10°25'55	15°59	19°58	21°57	20°19	12°45	19°55	19°38	14°25	25° 2	27°43	27° 8	11°55	2°24	F 24
S 25	14 39 40	11°23'47	28°23	20°10	23° 4	20°39	12°57	19°54	19°41	14°26	25° 1	27°41	27° 5	12° 2	2°29	S 25
S 26	14 43 37	12°21'38	10♌29	20°27	24°12	21° 0	13°10	19°54	19°43	14°27	24°59	27°D40	27° 2	12° 9	2°34	S 26
M27	14 47 33	13°19'26	22°24	20°48	25°19	21°22	13°23	19°54	19°45	14°28	24°57	27°R40	26°59	12°15	2°39	M27
T 28	14 51 30	14°17'13	4♍13	21°14	26°26	21°43	13°36	19°53	19°48	14°30	24°56	27°40	26°56	12°22	2°44	T 28
W29	14 55 26	15°14'58	16° 1	21°44	27°33	22° 5	13°49	19°53	19°50	14°31	24°54	27°39	26°53	12°29	2°48	W29
T 30	14 59 23	16♉12'42	27♍53	22♈18	28♊39	22♌28	14♊ 1	19♑52	19♓52	14♋32	24♏53	27♌36	26♌49	12♍35	2♊53	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n 8	9n21	0n42	13n58	2n50	20n35	1n25	19n10	2n43	21n26	0s20	21s58	0n 9	5s13	0s44	22n14	0s33	6s44	12n51	11n32	12n 5	9n 0	16n38	3s50
T 2	7 30	5 44	1 44	13 43	2 42	20 54	1 28	19 5	2 41	21 28	0 20	21 57	0 9	5 12	0 44	22 14	0 33	6 43	12 52	11 33	12 7	8 58	16 39	3 50
F 3	7 53	1 53	2 42	13 26	2 33	21 14	1 31	19 0	2 39	21 29	0 20	21 57	0 9	5 10	0 44	22 14	0 33	6 43	12 52	11 35	12 8	8 57	16 40	3 49
S 4	8 15	2s 5	3 33	13 6	2 22	21 32	1 34	18 55	2 36	21 31	0 20	21 57	0 8	5 9	0 44	22 14	0 33	6 42	12 52	11 37	12 9	8 55	16 41	3 49
S 5	8 37	6 2	4 15	12 43	2 10	21 50	1 37	18 49	2 34	21 33	0 19	21 57	0 8	5 8	0 44	22 14	0 33	6 42	12 52	11 40	12 10	8 53	16 42	3 49
M 6	8 58	9 46	4 45	12 18	1 57	22 8	1 40	18 44	2 32	21 35	0 19	21 57	0 8	5 7	0 44	22 14	0 33	6 41	12 52	11 43	12 11	8 51	16 43	3 49
T 7	9 20	13 9	5 2	11 51	1 43	22 25	1 43	18 38	2 30	21 37	0 19	21 57	0 8	5 6	0 44	22 14	0 33	6 41	12 52	11 47	12 12	8 50	16 44	3 49
W 8	9 42	15 57	5 5	11 23	1 28	22 41	1 46	18 32	2 28	21 39	0 19	21 56	0 8	5 5	0 44	22 14	0 33	6 40	12 53	11 50	12 13	8 48	16 45	3 49
T 9	10 3	18 1	4 52	10 54	1 12	22 57	1 48	18 26	2 26	21 41	0 19	21 56	0 8	5 4	0 44	22 14	0 33	6 40	12 53	11 53	12 14	8 46	16 46	3 49
F 10	10 24	19 9	4 23	10 24	0 55	23 12	1 51	18 19	2 24	21 43	0 19	21 56	0 8	5 2	0 44	22 14	0 33	6 40	12 53	11 55	12 15	8 44	16 47	3 49
S 11	10 45	19 15	3 39	9 54	0 39	23 27	1 54	18 13	2 22	21 45	0 19	21 56	0 8	5 1	0 44	22 14	0 33	6 39	12 53	11 56	12 16	8 43	16 47	3 49
S 12	11 6	18 13	2 42	9 24	0 22	23 41	1 56	18 6	2 19	21 46	0 19	21 56	0 8	5 0	0 44	22 14	0 33	6 39	12 53	11 56	12 18	8 41	16 48	3 49
M13	11 27	16 4	1 35	8 54	0 4	23 54	1 59	18 0	2 17	21 48	0 18	21 56	0 8	4 59	0 44	22 14	0 33	6 38	12 53	11 56	12 19	8 39	16 49	3 49
T 14	11 47	12 55	0 21	8 26	0s13	24 7	2 1	17 53	2 15	21 50	0 18	21 56	0 8	4 58	0 44	22 13	0 33	6 38	12 53	11 56	12 20	8 38	16 50	3 49
W15	12 7	8 56	0s56	7 58	0 29	24 19	2 4	17 46	2 13	21 52	0 18	21 56	0 8	4 57	0 44	22 13	0 33	6 37	12 53	11 56	12 21	8 36	16 51	3 49
T 16	12 27	4 22	2 10	7 33	0 46	24 31	2 6	17 39	2 11	21 54	0 18	21 56	0 8	4 56	0 44	22 13	0 33	6 37	12 54	11 57	12 22	8 34	16 52	3 49
F 17	12 47	0n30	3 16	7 9	1 2	24 41	2 8	17 31	2 10	21 56	0 18	21 56	0 8	4 55	0 44	22 13	0 33	6 37	12 54	11 58	12 23	8 32	16 53	3 49
S 18	13 7	5 19	4 9	6 48	1 17	24 52	2 10	17 24	2 8	21 57	0 18	21 56	0 8	4 54	0 44	22 13	0 33	6 36	12 54	12 1	12 24	8 31	16 54	3 49
S 19	13 26	9 47	4 44	6 28	1 31	25 1	2 13	17 16	2 6	21 59	0 18	21 56	0 7	4 53	0 44	22 13	0 33	6 36	12 54	12 4	12 25	8 29	16 55	3 49
M20	13 46	13 36	5 1	6 12	1 45	25 10	2 15	17 9	2 4	22 1	0 17	21 56	0 7	4 52	0 44	22 13	0 33	6 35	12 54	12 8	12 26	8 27	16 56	3 48
T 21	14 5	16 33	5 0	5 57	1 58	25 18	2 17	17 1	2 2	22 3	0 17	21 56	0 7	4 51	0 44	22 13	0 33	6 35	12 54	12 11	12 27	8 25	16 57	3 48
W22	14 24	18 30	4 41	5 45	2 10	25 26	2 19	16 53	2 0	22 5	0 17	21 56	0 7	4 50	0 44	22 13	0 33	6 34	12 54	12 15	12 29	8 24	16 58	3 48
T 23	14 42	19 22	4 8	5 36	2 21	25 33	2 20	16 45	1 58	22 6	0 17	21 56	0 7	4 49	0 44	22 13	0 33	6 34	12 54	12 17	12 30	8 22	16 59	3 48
F 24	15 0	19 13	3 23	5 30	2 32	25 39	2 22	16 37	1 56	22 8	0 17	21 56	0 7	4 48	0 45	22 13	0 33	6 34	12 54	12 19	12 31	8 20	16 59	3 48
S 25	15 19	18 8	2 29	5 26	2 41	25 45	2 24	16 28	1 55	22 10	0 17	21 56	0 7	4 47	0 45	22 13	0 33	6 33	12 54	12 20	12 32	8 18	17 0	3 48
S 26	15 36	16 14	1 30	5 24	2 49	25 50	2 25	16 20	1 53	22 12	0 17	21 56	0 7	4 46	0 45	22 12	0 33	6 33	12 54	12 20	12 33	8 16	17 1	3 48
M27	15 54	13 39	0 28	5 25	2 57	25 54	2 27	16 11	1 51	22 13	0 17	21 56	0 7	4 45	0 45	22 12	0 33	6 33	12 54	12 20	12 34	8 15	17 2	3 48
T 28	16 11	10 32	0n35	5 29	3 3	25 57	2 28	16 3	1 49	22 15	0 16	21 57	0 7	4 44	0 45	22 12	0 32	6 32	12 54	12 20	12 35	8 13	17 3	3 48
W29	16 28	7 1	1 36	5 35	3 9	26 0	2 30	15 54	1 48	22 17	0 16	21 57	0 7	4 44	0 45	22 12	0 32	6 32	12 54	12 20	12 36	8 11	17 4	3 48
T 30	16n45	3n11	2n33	5n43	3s13	26n 2	2n31	15n45	1n46	22n18	0s16	21s57	0n 7	4s43	0s45	22n12	0s32	6s31	12n54	12n21	12n37	8n 9	17n 5	3s48

Julian Day Number = 2179171.5, Delta T = 11m39s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'26, Lahiri = 13°27'26 Julian Calendar 1 Apr. 1254 == Greg. Calendar 8 Apr. 1254

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ASTRODIENST EPHEMERIS for the year 1254
geocentric

MAY 1254 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 3 19	17♉10'24	9♎53	22♈55	29♊46	22♌50	14♊14	19°R51	19♓54	14♋34	24°R51	27°R30	26♌46	12♍42	2♊58	F 1
S 2	15 7 16	18° 8'04	22° 4	23°37	0♋52	23°13	14°27	19♉50	19°57	14°35	24♏49	27♌21	26°43	12°48	3° 3	S 2
S 3	15 11 13	19° 5'43	4♏30	24°22	1°59	23°37	14°40	19°49	19°59	14°36	24°48	27°10	26°40	12°55	3° 8	S 3
M 4	15 15 9	20° 3'20	17°10	25°11	3° 4	24° 0	14°53	19°48	20° 1	14°38	24°46	26°58	26°37	13° 2	3°13	M 4
T 5	15 19 6	21° 0'57	0♐ 4	26° 4	4°10	24°24	15° 7	19°47	20° 3	14°39	24°44	26°45	26°33	13° 8	3°18	T 5
W 6	15 23 2	21°58'32	13°13	26°59	5°16	24°48	15°20	19°46	20° 5	14°41	24°43	26°33	26°30	13°15	3°22	W 6
T 7	15 26 59	22°56'06	26°33	27°58	6°21	25°13	15°33	19°44	20° 7	14°42	24°41	26°23	26°27	13°22	3°27	T 7
F 8	15 30 55	23°53'39	10♑ 5	29° 1	7°26	25°37	15°46	19°43	20° 9	14°44	24°39	26°15	26°24	13°28	3°32	F 8
S 9	15 34 52	24°51'11	23°46	0♉ 6	8°31	26° 2	15°59	19°41	20°11	14°45	24°38	26°10	26°21	13°35	3°37	S 9
S 10	15 38 48	25°48'42	7♒35	1°14	9°36	26°28	16°12	19°40	20°13	14°47	24°36	26° 8	26°18	13°42	3°42	S 10
M11	15 42 45	26°46'12	21°33	2°26	10°41	26°53	16°26	19°38	20°15	14°49	24°35	26° 8	26°14	13°48	3°47	M11
T 12	15 46 42	27°43'42	5♓38	3°40	11°45	27°19	16°39	19°36	20°16	14°50	24°33	26° 8	26°11	13°55	3°52	T 12
W13	15 50 38	28°41'11	19°50	4°57	12°49	27°45	16°52	19°34	20°18	14°52	24°31	26° 7	26° 8	14° 2	3°57	W13
T 14	15 54 35	29°38'38	4♈ 8	6°17	13°53	28°11	17° 6	19°32	20°20	14°53	24°30	26° 4	26° 5	14° 8	4° 2	T 14
F 15	15 58 31	0♊36'06	18°29	7°40	14°56	28°38	17°19	19°30	20°21	14°55	24°28	25°58	26° 2	14°15	4° 7	F 15
S 16	16 2 28	1°33'32	2♉48	9° 5	15°59	29° 5	17°33	19°28	20°23	14°57	24°26	25°50	25°59	14°22	4°12	S 16
S 17	16 6 24	2°30'58	17° 1	10°33	17° 3	29°32	17°46	19°26	20°25	14°59	24°25	25°40	25°55	14°28	4°17	S 17
M18	16 10 21	3°28'22	1♊ 2	12° 4	18° 5	29°59	18° 0	19°24	20°26	15° 0	24°23	25°28	25°52	14°35	4°22	M18
T 19	16 14 17	4°25'46	14°47	13°37	19° 8	0♍27	18°13	19°21	20°28	15° 2	24°21	25°16	25°49	14°42	4°27	T 19
W20	16 18 14	5°23'10	28°11	15°13	20°10	0°54	18°27	19°19	20°29	15° 4	24°20	25° 6	25°46	14°48	4°32	W20
T 21	16 22 11	6°20'32	11♋14	16°52	21°12	1°22	18°40	19°16	20°30	15° 6	24°18	24°57	25°43	14°55	4°37	T 21
F 22	16 26 7	7°17'53	23°56	18°33	22°14	1°51	18°54	19°13	20°32	15° 8	24°17	24°52	25°39	15° 2	4°42	F 22
S 23	16 30 4	8°15'13	6♌18	20°17	23°15	2°19	19° 7	19°11	20°33	15° 9	24°15	24°48	25°36	15° 8	4°47	S 23
S 24	16 34 0	9°12'32	18°25	22° 4	24°16	2°48	19°21	19° 8	20°34	15°11	24°13	24°47	25°33	15°15	4°52	S 24
M25	16 37 57	10° 9'50	0♍20	23°53	25°17	3°17	19°35	19° 5	20°35	15°13	24°12	24°D47	25°30	15°21	4°57	M25
T 26	16 41 53	11° 7'08	12°10	25°45	26°17	3°46	19°48	19° 2	20°37	15°15	24°10	24°R47	25°27	15°28	5° 2	T 26
W27	16 45 50	12° 4'24	24° 0	27°39	27°17	4°15	20° 2	18°59	20°38	15°17	24° 9	24°46	25°24	15°35	5° 7	W27
T 28	16 49 46	13° 1'39	5♎54	29°35	28°16	4°44	20°15	18°56	20°39	15°19	24° 7	24°44	25°20	15°41	5°12	T 28
F 29	16 53 43	13°58'54	17°58	1♊34	29°16	5°14	20°29	18°53	20°40	15°21	24° 6	24°39	25°17	15°48	5°17	F 29
S 30	16 57 40	14°56'08	0♏16	3°35	0♌14	5°44	20°43	18°50	20°41	15°23	24° 4	24°32	25°14	15°55	5°22	S 30
S 31	17 1 36	15♊53'21	12♏51	5♊38	1♌13	6♍14	20♊56	18♑46	20♓42	15♋25	24♏ 3	24♌23	25♌11	16♍ 1	5♊27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	17n 2	0s48	3n24	5n54	3s17	26n 4	2n32	15n36	1n44	22n20	0s16	21s57	0n 7	4s42	0s45	22n12	0s32	6s31	12n54	12n23	12n38	8n 8	17n 6	3s48	F 1
S 2	17 18	4 49	4 6	6 6	3 20	26 5	2 33	15 27	1 43	22 22	0 16	21 57	0 7	4 41	0 45	22 12	0 32	6 31	12 54	12 26	12 39	8 6	17 7	3 48	S 2
S 3	17 34	8 42	4 38	6 21	3 22	26 5	2 34	15 17	1 41	22 23	0 16	21 57	0 6	4 40	0 45	22 12	0 32	6 30	12 54	12 30	12 41	8 4	17 8	3 48	S 3
M 4	17 50	12 17	4 56	6 37	3 24	26 4	2 35	15 8	1 39	22 25	0 16	21 58	0 6	4 39	0 45	22 11	0 32	6 30	12 54	12 34	12 42	8 2	17 9	3 49	M 4
T 5	18 5	15 21	5 0	6 56	3 24	26 3	2 35	14 59	1 38	22 26	0 16	21 58	0 6	4 39	0 45	22 11	0 32	6 30	12 54	12 39	12 43	8 1	17 9	3 49	T 5
W 6	18 20	17 43	4 48	7 16	3 24	26 2	2 36	14 49	1 36	22 28	0 16	21 58	0 6	4 38	0 45	22 11	0 32	6 29	12 54	12 43	12 44	7 59	17 10	3 49	W 6
T 7	18 35	19 9	4 20	7 38	3 23	25 59	2 36	14 39	1 35	22 29	0 15	21 58	0 6	4 37	0 45	22 11	0 32	6 29	12 54	12 46	12 45	7 57	17 11	3 49	T 7
F 8	18 49	19 32	3 38	8 2	3 21	25 56	2 37	14 29	1 33	22 31	0 15	21 59	0 6	4 36	0 45	22 11	0 32	6 29	12 54	12 49	12 46	7 55	17 12	3 49	F 8
S 9	19 3	18 46	2 42	8 27	3 19	25 52	2 37	14 19	1 31	22 32	0 15	21 59	0 6	4 36	0 45	22 11	0 32	6 29	12 54	12 51	12 47	7 53	17 13	3 49	S 9
S 10	19 17	16 53	1 36	8 54	3 16	25 48	2 37	14 9	1 30	22 34	0 15	21 59	0 6	4 35	0 45	22 11	0 32	6 28	12 54	12 51	12 48	7 52	17 14	3 49	S 10
M11	19 31	14 0	0 24	9 22	3 12	25 43	2 37	13 59	1 28	22 35	0 15	22 0	0 6	4 34	0 45	22 10	0 32	6 28	12 54	12 51	12 49	7 50	17 15	3 49	M11
T 12	19 44	10 15	0s50	9 51	3 7	25 37	2 37	13 49	1 27	22 37	0 15	22 0	0 6	4 34	0 45	22 10	0 32	6 28	12 53	12 52	12 50	7 48	17 16	3 49	T 12
W13	19 57	5 54	2 2	10 22	3 2	25 31	2 37	13 38	1 25	22 38	0 15	22 0	0 6	4 33	0 45	22 10	0 32	6 27	12 53	12 52	12 51	7 46	17 16	3 49	W13
T 14	20 9	1 12	3 7	10 53	2 57	25 24	2 37	13 28	1 24	22 40	0 15	22 1	0 6	4 32	0 45	22 10	0 32	6 27	12 53	12 53	12 52	7 44	17 17	3 49	T 14
F 15	20 21	3n35	3 59	11 26	2 51	25 17	2 36	13 17	1 22	22 41	0 15	22 1	0 6	4 32	0 45	22 10	0 32	6 27	12 53	12 55	12 54	7 43	17 18	3 49	F 15
S 16	20 33	8 9	4 37	12 0	2 44	25 9	2 35	13 6	1 21	22 43	0 14	22 1	0 5	4 31	0 45	22 10	0 32	6 27	12 53	12 57	12 55	7 41	17 19	3 49	S 16
S 17	20 45	12 14	4 57	12 34	2 36	25 0	2 35	12 55	1 19	22 44	0 14	22 2	0 5	4 30	0 45	22 10	0 32	6 26	12 53	13 1	12 56	7 39	17 20	3 49	S 17
M18	20 56	15 34	4 59	13 9	2 29	24 51	2 34	12 44	1 18	22 45	0 14	22 2	0 5	4 30	0 45	22 9	0 32	6 26	12 53	13 5	12 57	7 37	17 21	3 49	M18
T 19	21 7	17 58	4 44	13 45	2 20	24 41	2 33	12 33	1 17	22 47	0 14	22 3	0 5	4 29	0 45	22 9	0 32	6 26	12 52	13 9	12 58	7 35	17 21	3 49	T 19
W20	21 17	19 18	4 13	14 22	2 12	24 31	2 32	12 22	1 15	22 48	0 14	22 3	0 5	4 29	0 45	22 9	0 32	6 26	12 52	13 12	12 59	7 34	17 22	3 49	W20
T 21	21 27	19 35	3 29	14 59	2 3	24 20	2 30	12 11	1 14	22 49	0 14	22 4	0 5	4 28	0 45	22 9	0 32	6 26	12 52	13 15	13 0	7 32	17 23	3 50	T 21
F 22	21 37	18 51	2 36	15 36	1 53	24 8	2 29	11 59	1 12	22 50	0 14	22 4	0 5	4 28	0 45	22 9	0 32	6 25	12 52	13 17	13 1	7 30	17 24	3 50	F 22
S 23	21 46	17 13	1 37	16 14	1 43	23 56	2 27	11 48	1 11	22 52	0 14	22 5	0 5	4 27	0 45	22 8	0 32	6 25	12 52	13 18	13 2	7 28	17 25	3 50	S 23
S 24	21 55	14 50	0 34	16 52	1 33	23 44	2 26	11 36	1 10	22 53	0 14	22 5	0 5	4 27	0 45	22 8	0 32	6 25	12 52	13 19	13 3	7 26	17 25	3 50	S 24
M25	22 4	11 51	0n30	17 29	1 22	23 31	2 24	11 24	1 8	22 54	0 13	22 5	0 5	4 26	0 46	22 8	0 32	6 25	12 51	13 19	13 4	7 24	17 26	3 50	M25
T 26	22 12	8 26	1 31	18 7	1 12	23 18	2 22	11 12	1 7	22 55	0 13	22 6	0 5	4 26	0 46	22 8	0 32	6 25	12 51	13 19	13 5	7 23	17 27	3 50	T 26
W27	22 20	4 40	2 29	18 44	1 1	23 4	2 19	11 1	1 6	22 56	0 13	22 6	0 5	4 26	0 46	22 8	0 32	6 25	12 51	13 19	13 6	7 21	17 28	3 50	W27
T 28	22 27	0 43	3 20	19 20	0 50	22 50	2 17	10 49	1 4	22 57	0 13	22 7	0 4	4 25	0 46	22 7	0 32	6 24	12 51	13 20	13 8	7 19	17 28	3 50	T 28
F 29	22 34	3s19	4 4	19 56	0 38	22 35	2 15	10 36	1 3	22 58	0 13	22 8	0 4	4 25	0 46	22 7	0 32	6 24	12 51	13 21	13 9	7 17	17 29	3 50	F 29
S 30	22 41	7 17	4 37	20 30	0 27	22 20	2 12	10 24	1 2	23 0	0 13	22 8	0 4	4 24	0 46	22 7	0 32	6 24	12 50	13 24	13 10	7 15	17 30	3 51	S 30
S 31	22n47	11s 2	4n57	21n 4	0s16	22n 4	2n 9	10n12	1n 1	23n 1	0s13	22s 9	0n 4	4s24	0s46	22n 7	0s32	6s24	12n50	13n27	13n11	7n13	17n31	3s51	S 31

Julian Day Number = 2179201.5, Delta T = 11m38s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'30, Lahiri = 13°27'30 Julian Calendar 1 May 1254 == Greg. Calendar 8 May 1254

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ASTRODIENST EPHEMERIS for the year 1254
geocentric

JUNE 1254 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 5 33	16♊50'34	25♏44	7♊42	2♌11	6♍44	21♊10	18°R43	20♓43	15♋27	24°R 1	24°R13	25♌ 8	16♍ 8	5♊32	M 1
T 2	17 9 29	17°47'46	8♐56	9°49	3° 8	7°14	21°24	18♉39	20°43	15°29	24♏ 0	24♌ 2	25° 4	16°15	5°37	T 2
W 3	17 13 26	18°44'57	22°26	11°57	4° 5	7°45	21°37	18°36	20°44	15°31	23°58	23°52	25° 1	16°21	5°42	W 3
T 4	17 17 22	19°42'08	6♑10	14° 6	5° 2	8°16	21°51	18°32	20°45	15°33	23°57	23°43	24°58	16°28	5°47	T 4
F 5	17 21 19	20°39'19	20° 6	16°16	5°58	8°47	22° 5	18°29	20°46	15°35	23°55	23°36	24°55	16°35	5°52	F 5
S 6	17 25 16	21°36'30	4♒10	18°26	6°54	9°18	22°18	18°25	20°46	15°37	23°54	23°33	24°52	16°41	5°57	S 6
S 7	17 29 12	22°33'41	18°18	20°38	7°49	9°49	22°32	18°21	20°47	15°39	23°53	23°D31	24°49	16°48	6° 2	S 7
M 8	17 33 9	23°30'52	2♓28	22°49	8°44	10°20	22°46	18°18	20°47	15°41	23°51	23°31	24°45	16°55	6° 7	M 8
T 9	17 37 5	24°28'02	16°39	25° 0	9°38	10°52	22°59	18°14	20°48	15°43	23°50	23°32	24°42	17° 1	6°12	T 9
W10	17 41 2	25°25'13	0♈47	27°10	10°31	11°24	23°13	18°10	20°48	15°45	23°49	23°R32	24°39	17° 8	6°16	W10
T 11	17 44 58	26°22'24	14°54	29°20	11°24	11°55	23°27	18° 6	20°49	15°47	23°47	23°31	24°36	17°15	6°21	T 11
F 12	17 48 55	27°19'35	28°56	1♋30	12°17	12°28	23°40	18° 2	20°49	15°50	23°46	23°27	24°33	17°21	6°26	F 12
S 13	17 52 51	28°16'46	12♉51	3°37	13° 8	13° 0	23°54	17°58	20°49	15°52	23°45	23°21	24°30	17°28	6°31	S 13
S 14	17 56 48	29°13'57	26°38	5°44	14° 0	13°32	24° 8	17°54	20°50	15°54	23°43	23°14	24°26	17°35	6°36	S 14
M15	18 0 45	0♋11'09	10♊14	7°49	14°50	14° 5	24°21	17°50	20°50	15°56	23°42	23° 5	24°23	17°41	6°40	M15
T 16	18 4 41	1° 8'21	23°36	9°53	15°40	14°37	24°35	17°46	20°50	15°58	23°41	22°56	24°20	17°48	6°45	T 16
W17	18 8 38	2° 5'32	6♋41	11°55	16°29	15°10	24°49	17°42	20°50	16° 0	23°40	22°48	24°17	17°55	6°50	W17
T 18	18 12 34	3° 2'44	19°30	13°56	17°17	15°43	25° 2	17°37	20°50	16° 3	23°39	22°42	24°14	18° 1	6°55	T 18
F 19	18 16 31	3°59'56	2♌ 2	15°54	18° 5	16°16	25°16	17°33	20°R50	16° 5	23°37	22°38	24°10	18° 8	6°59	F 19
S 20	18 20 27	4°57'08	14°18	17°51	18°52	16°50	25°29	17°29	20°50	16° 7	23°36	22°36	24° 7	18°15	7° 4	S 20
S 21	18 24 24	5°54'20	26°21	19°46	19°38	17°23	25°43	17°25	20°50	16° 9	23°35	22°D36	24° 4	18°21	7° 8	S 21
M22	18 28 20	6°51'31	8♍16	21°39	20°23	17°56	25°57	17°20	20°50	16°11	23°34	22°36	24° 1	18°28	7°13	M22
T 23	18 32 17	7°48'43	20° 5	23°30	21° 7	18°30	26°10	17°16	20°50	16°14	23°33	22°38	23°58	18°35	7°18	T 23
W24	18 36 14	8°45'55	1♎55	25°19	21°51	19° 4	26°24	17°12	20°50	16°16	23°32	22°39	23°55	18°41	7°22	W24
T 25	18 40 10	9°43'06	13°50	27° 6	22°33	19°38	26°37	17° 7	20°49	16°18	23°31	22°R39	23°51	18°48	7°27	T 25
F 26	18 44 7	10°40'18	25°55	28°51	23°14	20°12	26°50	17° 3	20°49	16°20	23°30	22°38	23°48	18°54	7°31	F 26
S 27	18 48 3	11°37'30	8♏15	0♌35	23°55	20°46	27° 4	16°58	20°49	16°22	23°29	22°35	23°45	19° 1	7°36	S 27
S 28	18 52 0	12°34'42	20°53	2°16	24°34	21°21	27°17	16°54	20°48	16°25	23°28	22°30	23°42	19° 8	7°40	S 28
M29	18 55 56	13°31'54	3♐54	3°56	25°12	21°55	27°31	16°50	20°48	16°27	23°27	22°25	23°39	19°14	7°44	M29
T 30	18 59 53	14♋29'07	17♐17	5♌33	25♌49	22♍30	27♊44	16♑45	20♓47	16♋29	23♏26	22♌19	23♌36	19♍21	7♊49	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n53	14s22	5n 3	21n36	0s 5	21n48	2n 6	9n59	0n59	23n 2	0s13	22s 9	0n 4	4s24	0s46	22n 7	0s32	6s24	12n50	13n30	13n12	7n12	17n31	3s51
T 2	22 58	17 3	4 53	22 7	0n 6	21 31	2 3	9 47	0 58	23 3	0 13	22 10	0 4	4 23	0 46	22 6	0 32	6 24	12 50	13 34	13 13	7 10	17 32	3 51
W 3	23 3	18 53	4 27	22 35	0 17	21 15	2 0	9 34	0 57	23 4	0 13	22 10	0 4	4 23	0 46	22 6	0 32	6 24	12 49	13 37	13 14	7 8	17 33	3 51
T 4	23 8	19 39	3 45	23 2	0 27	20 58	1 56	9 22	0 56	23 4	0 12	22 11	0 4	4 23	0 46	22 6	0 32	6 24	12 49	13 40	13 15	7 6	17 34	3 51
F 5	23 12	19 15	2 48	23 26	0 37	20 40	1 52	9 9	0 54	23 5	0 12	22 11	0 4	4 23	0 46	22 6	0 32	6 24	12 49	13 42	13 16	7 4	17 34	3 51
S 6	23 16	17 39	1 42	23 48	0 47	20 22	1 48	8 56	0 53	23 6	0 12	22 12	0 4	4 22	0 46	22 6	0 32	6 24	12 48	13 43	13 17	7 2	17 35	3 52
S 7	23 19	14 58	0 28	24 8	0 56	20 4	1 44	8 43	0 52	23 7	0 12	22 13	0 4	4 22	0 46	22 5	0 32	6 24	12 48	13 44	13 18	7 1	17 36	3 52
M 8	23 22	11 23	0s48	24 25	1 4	19 46	1 40	8 30	0 51	23 8	0 12	22 13	0 4	4 22	0 46	22 5	0 32	6 24	12 48	13 44	13 19	6 59	17 36	3 52
T 9	23 25	7 9	2 1	24 39	1 12	19 27	1 36	8 17	0 49	23 9	0 12	22 14	0 3	4 22	0 46	22 5	0 32	6 24	12 48	13 44	13 20	6 57	17 37	3 52
W10	23 27	2 31	3 6	24 50	1 20	19 8	1 31	8 4	0 48	23 10	0 12	22 14	0 3	4 22	0 46	22 5	0 32	6 24	12 47	13 44	13 21	6 55	17 38	3 52
T 11	23 29	2n12	4 0	24 58	1 26	18 48	1 26	7 51	0 47	23 10	0 12	22 15	0 3	4 22	0 46	22 4	0 32	6 24	12 47	13 44	13 22	6 53	17 38	3 52
F 12	23 30	6 48	4 39	25 4	1 32	18 29	1 21	7 37	0 46	23 11	0 12	22 16	0 3	4 22	0 46	22 4	0 32	6 24	12 47	13 45	13 24	6 51	17 39	3 53
S 13	23 31	10 59	5 1	25 6	1 37	18 9	1 16	7 24	0 45	23 12	0 12	22 16	0 3	4 21	0 46	22 4	0 31	6 24	12 46	13 47	13 25	6 49	17 39	3 53
S 14	23 32	14 32	5 5	25 6	1 42	17 49	1 11	7 10	0 44	23 13	0 11	22 17	0 3	4 21	0 46	22 4	0 31	6 24	12 46	13 50	13 26	6 48	17 40	3 53
M15	23 32	17 15	4 53	25 3	1 45	17 29	1 5	6 57	0 43	23 13	0 11	22 18	0 3	4 21	0 46	22 3	0 31	6 24	12 46	13 53	13 27	6 46	17 41	3 53
T 16	23 32	18 59	4 24	24 58	1 48	17 9	0 59	6 43	0 41	23 14	0 11	22 18	0 3	4 21	0 46	22 3	0 31	6 24	12 45	13 55	13 28	6 44	17 41	3 53
W17	23 31	19 41	3 42	24 50	1 51	16 48	0 53	6 29	0 40	23 15	0 11	22 19	0 3	4 21	0 46	22 3	0 31	6 24	12 45	13 58	13 29	6 42	17 42	3 54
T 18	23 30	19 20	2 49	24 40	1 52	16 28	0 47	6 15	0 39	23 15	0 11	22 19	0 3	4 21	0 46	22 3	0 31	6 24	12 45	14 0	13 30	6 40	17 42	3 54
F 19	23 28	18 1	1 49	24 27	1 53	16 7	0 41	6 1	0 38	23 16	0 11	22 20	0 3	4 21	0 46	22 2	0 31	6 24	12 44	14 1	13 31	6 38	17 43	3 54
S 20	23 26	15 54	0 45	24 12	1 53	15 46	0 34	5 47	0 37	23 16	0 11	22 21	0 3	4 21	0 46	22 2	0 31	6 24	12 44	14 2	13 32	6 36	17 43	3 54
S 21	23 24	13 6	0n20	23 56	1 53	15 25	0 27	5 33	0 36	23 17	0 11	22 21	0 2	4 21	0 47	22 2	0 31	6 24	12 43	14 2	13 33	6 34	17 44	3 55
M22	23 21	9 48	1 24	23 37	1 51	15 4	0 20	5 19	0 35	23 18	0 11	22 22	0 2	4 22	0 47	22 2	0 31	6 24	12 43	14 2	13 34	6 33	17 45	3 55
T 23	23 18	6 8	2 24	23 17	1 50	14 43	0 13	5 5	0 34	23 18	0 11	22 23	0 2	4 22	0 47	22 2	0 31	6 24	12 43	14 2	13 35	6 31	17 45	3 55
W24	23 15	2 15	3 17	22 55	1 47	14 22	0 5	4 51	0 33	23 19	0 11	22 23	0 2	4 22	0 47	22 1	0 31	6 25	12 42	14 1	13 36	6 29	17 46	3 55
T 25	23 11	1s45	4 2	22 31	1 44	14 1	0s 3	4 36	0 32	23 19	0 10	22 24	0 2	4 22	0 47	22 1	0 31	6 25	12 42	14 1	13 37	6 27	17 46	3 55
F 26	23 6	5 44	4 38	22 7	1 41	13 40	0 11	4 22	0 31	23 19	0 10	22 25	0 2	4 22	0 47	22 1	0 31	6 25	12 41	14 2	13 38	6 25	17 46	3 56
S 27	23 1	9 33	5 1	21 41	1 36	13 18	0 19	4 7	0 30	23 20	0 10	22 25	0 2	4 22	0 47	22 0	0 31	6 25	12 41	14 3	13 39	6 23	17 47	3 56
S 28	22 56	13 3	5 10	21 13	1 32	12 57	0 27	3 53	0 29	23 20	0 10	22 26	0 2	4 23	0 47	22 0	0 31	6 25	12 41	14 4	13 40	6 21	17 47	3 56
M29	22 51	16 2	5 4	20 45	1 27	12 37	0 36	3 38	0 27	23 21	0 10	22 26	0 2	4 23	0 47	22 0	0 31	6 25	12 40	14 6	13 41	6 19	17 48	3 56
T 30	22n45	18s15	4n42	20n16	1n21	12n16	0s45	3n24	0n26	23n21	0s10	22s27	0n 2	4s23	0s47	22n 0	0s31	6s26	12n40	14n 8	13n43	6n17	17n48	3s57

Julian Day Number = 2179232.5, Delta T = 11m38s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'34, Lahiri = 13°27'35 Julian Calendar 1 June 1254 == Greg. Calendar 8 June 1254

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ASTRODIENST EPHEMERIS for the year 1254
geocentric

JULY 1254 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 3 49	15♋26'20	1♉ 2	7♌ 9	26♌24	23♍ 4	27♊57	16°R41	20°R47	16♋31	23°R26	22°R13	23♌32	19♍28	7♊53	W 1
T 2	19 7 46	16°23'34	15° 6	8°43	26°59	23°39	28°11	16♉36	20♓46	16°34	23♏25	22♌ 8	23°29	19°34	7°57	T 2
F 3	19 11 43	17°20'48	29°26	10°15	27°32	24°14	28°24	16°32	20°45	16°36	23°24	22° 5	23°26	19°41	8° 1	F 3
S 4	19 15 39	18°18'02	13♒55	11°44	28° 4	24°49	28°37	16°27	20°45	16°38	23°23	22° 3	23°23	19°48	8° 6	S 4
S 5	19 19 36	19°15'17	28°28	13°12	28°34	25°25	28°50	16°23	20°44	16°40	23°22	22°D 3	23°20	19°54	8°10	S 5
M 6	19 23 32	20°12'33	13♓ 0	14°38	29° 3	26° 0	29° 4	16°18	20°43	16°42	23°22	22° 4	23°16	20° 1	8°14	M 6
T 7	19 27 29	21° 9'50	27°25	16° 2	29°30	26°35	29°17	16°14	20°42	16°45	23°21	22° 5	23°13	20° 8	8°18	T 7
W 8	19 31 25	22° 7'08	11♈42	17°24	29°56	27°11	29°30	16°10	20°41	16°47	23°20	22° 7	23°10	20°14	8°22	W 8
T 9	19 35 22	23° 4'27	25°48	18°44	0♍20	27°47	29°43	16° 5	20°40	16°49	23°20	22°R 7	23° 7	20°21	8°26	T 9
F 10	19 39 18	24° 1'48	9♉41	20° 2	0°43	28°22	29°56	16° 1	20°40	16°51	23°19	22° 6	23° 4	20°28	8°30	F 10
S 11	19 43 15	24°59'09	23°20	21°17	1° 4	28°58	0♋ 9	15°56	20°38	16°54	23°19	22° 4	23° 1	20°34	8°34	S 11
S 12	19 47 12	25°56'31	6♊46	22°31	1°23	29°34	0°22	15°52	20°37	16°56	23°18	22° 1	22°57	20°41	8°38	S 12
M13	19 51 8	26°53'55	19°58	23°42	1°40	0♎10	0°35	15°48	20°36	16°58	23°18	21°57	22°54	20°48	8°42	M13
T 14	19 55 5	27°51'19	2♋56	24°50	1°55	0°47	0°48	15°43	20°35	17° 0	23°17	21°53	22°51	20°54	8°46	T 14
W15	19 59 1	28°48'45	15°40	25°57	2° 8	1°23	1° 0	15°39	20°34	17° 2	23°17	21°50	22°48	21° 1	8°49	W15
T 16	20 2 58	29°46'11	28°11	27° 0	2°19	2° 0	1°13	15°35	20°33	17° 5	23°16	21°48	22°45	21° 8	8°53	T 16
F 17	20 6 54	0♌43'39	10♌29	28° 1	2°29	2°36	1°26	15°31	20°32	17° 7	23°16	21°46	22°42	21°14	8°57	F 17
S 18	20 10 51	1°41'07	22°36	29° 0	2°36	3°13	1°39	15°26	20°30	17° 9	23°16	21°D46	22°38	21°21	9° 0	S 18
S 19	20 14 47	2°38'37	4♍34	29°55	2°40	3°50	1°51	15°22	20°29	17°11	23°15	21°46	22°35	21°28	9° 4	S 19
M20	20 18 44	3°36'07	16°25	0♍48	2°43	4°27	2° 4	15°18	20°27	17°13	23°15	21°47	22°32	21°34	9° 7	M20
T 21	20 22 41	4°33'38	28°14	1°37	2°R43	5° 4	2°16	15°14	20°26	17°15	23°15	21°49	22°29	21°41	9°11	T 21
W22	20 26 37	5°31'10	10♎ 3	2°23	2°41	5°41	2°29	15°10	20°25	17°18	23°15	21°50	22°26	21°48	9°14	W22
T 23	20 30 34	6°28'43	21°57	3° 5	2°37	6°18	2°41	15° 6	20°23	17°20	23°14	21°51	22°22	21°54	9°17	T 23
F 24	20 34 30	7°26'17	4♏ 1	3°44	2°30	6°55	2°54	15° 2	20°22	17°22	23°14	21°R52	22°19	22° 1	9°21	F 24
S 25	20 38 27	8°23'52	16°20	4°19	2°21	7°33	3° 6	14°58	20°20	17°24	23°14	21°52	22°16	22° 8	9°24	S 25
S 26	20 42 23	9°21'28	28°57	4°49	2° 9	8°10	3°18	14°54	20°18	17°26	23°14	21°51	22°13	22°14	9°27	S 26
M27	20 46 20	10°19'05	11♐56	5°16	1°55	8°48	3°30	14°51	20°17	17°28	23°14	21°50	22°10	22°21	9°30	M27
T 28	20 50 16	11°16'43	25°20	5°38	1°39	9°26	3°42	14°47	20°15	17°30	23°D14	21°48	22° 7	22°28	9°33	T 28
W29	20 54 13	12°14'22	9♑10	5°55	1°20	10° 4	3°54	14°43	20°13	17°32	23°14	21°47	22° 3	22°34	9°37	W29
T 30	20 58 10	13°12'02	23°25	6° 7	0°59	10°42	4° 6	14°40	20°12	17°34	23°14	21°46	22° 0	22°41	9°39	T 30
F 31	21 2 6	14♌ 9'44	8♒ 0	6♍14	0♍36	11♎20	4♋18	14♑36	20♓10	17♋36	23♏14	21♌46	21♌57	22♍48	9♊42	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	22n38	19s29	4n 3	19n46	1n15	11n55	0s54	3n 9	0n25	23n21	0s10	22s28	0n 2	4s23	0s47	21n59	0s31	6s26	12n39	14n10	13n44	6n16	17n49	3s57	W 1
T 2	22 31	19 34	3 8	19 15	1 8	11 34	1 4	2 54	0 24	23 21	0 10	22 28	0 1	4 23	0 47	21 59	0 31	6 26	12 39	14 11	13 45	6 14	17 49	3 57	T 2
F 3	22 24	18 23	2 0	18 44	1 1	11 14	1 13	2 39	0 23	23 22	0 10	22 29	0 1	4 24	0 47	21 59	0 31	6 26	12 39	14 12	13 46	6 12	17 50	3 57	F 3
S 4	22 17	16 1	0 44	18 12	0 54	10 54	1 23	2 24	0 22	23 22	0 10	22 30	0 1	4 24	0 47	21 59	0 31	6 27	12 38	14 13	13 47	6 10	17 50	3 58	S 4
S 5	22 9	12 36	0s35	17 40	0 46	10 34	1 33	2 10	0 21	23 22	0 10	22 30	0 1	4 24	0 47	21 58	0 31	6 27	12 38	14 13	13 48	6 8	17 50	3 58	S 5
M 6	22 0	8 26	1 52	17 7	0 38	10 14	1 44	1 55	0 20	23 22	0 9	22 31	0 1	4 25	0 47	21 58	0 31	6 27	12 37	14 13	13 49	6 6	17 51	3 58	M 6
T 7	21 52	3 48	3 2	16 34	0 30	9 54	1 54	1 40	0 19	23 23	0 9	22 32	0 1	4 25	0 47	21 58	0 31	6 27	12 37	14 12	13 50	6 4	17 51	3 59	T 7
W 8	21 43	0n59	3 59	16 1	0 21	9 35	2 5	1 24	0 19	23 23	0 9	22 32	0 1	4 25	0 47	21 58	0 31	6 28	12 36	14 12	13 51	6 2	17 51	3 59	W 8
T 9	21 33	5 38	4 41	15 27	0 12	9 16	2 16	1 9	0 18	23 23	0 9	22 33	0 1	4 26	0 47	21 57	0 31	6 28	12 36	14 12	13 52	6 0	17 52	3 59	T 9
F 10	21 23	9 55	5 6	14 54	0 2	8 58	2 27	0 54	0 17	23 23	0 9	22 33	0 1	4 26	0 47	21 57	0 31	6 28	12 35	14 12	13 53	5 58	17 52	3 59	F 10
S 11	21 13	13 37	5 14	14 21	0s 8	8 40	2 39	0 39	0 16	23 23	0 9	22 34	0 1	4 27	0 47	21 57	0 31	6 29	12 35	14 13	13 54	5 56	17 52	4 0	S 11
S 12	21 3	16 32	5 4	13 47	0 18	8 22	2 51	0 24	0 15	23 23	0 9	22 35	0 1	4 27	0 47	21 57	0 31	6 29	12 34	14 14	13 55	5 55	17 53	4 0	S 12
M13	20 52	18 33	4 37	13 14	0 28	8 5	3 3	0 8	0 14	23 23	0 9	22 35	0 0	4 28	0 47	21 56	0 31	6 29	12 34	14 15	13 56	5 53	17 53	4 0	M13
T 14	20 40	19 33	3 57	12 42	0 38	7 48	3 15	0s 7	0 13	23 23	0 9	22 36	0 0	4 28	0 47	21 56	0 31	6 30	12 34	14 16	13 57	5 51	17 53	4 1	T 14
W15	20 29	19 32	3 6	12 9	0 49	7 32	3 27	0 22	0 12	23 23	0 9	22 36	0 0	4 29	0 47	21 56	0 31	6 30	12 33	14 17	13 58	5 49	17 53	4 1	W15
T 16	20 17	18 33	2 6	11 37	1 0	7 16	3 40	0 38	0 11	23 23	0 9	22 37	0 0	4 29	0 47	21 55	0 31	6 30	12 33	14 18	13 59	5 47	17 54	4 1	T 16
F 17	20 4	16 41	1 2	11 6	1 11	7 1	3 52	0 53	0 10	23 23	0 8	22 38	0 0	4 30	0 47	21 55	0 31	6 31	12 32	14 18	14 0	5 45	17 54	4 2	F 17
S 18	19 52	14 6	0n 5	10 35	1 22	6 47	4 5	1 9	0 9	23 23	0 8	22 38	0 0	4 30	0 47	21 55	0 31	6 31	12 32	14 19	14 1	5 43	17 54	4 2	S 18
S 19	19 39	10 58	1 10	10 5	1 34	6 33	4 18	1 24	0 8	23 23	0 8	22 39	0s 0	4 31	0 47	21 55	0 31	6 31	12 31	14 18	14 2	5 41	17 54	4 2	S 19
M20	19 26	7 24	2 12	9 36	1 45	6 20	4 31	1 40	0 7	23 23	0 8	22 39	0 0	4 31	0 47	21 54	0 31	6 32	12 31	14 18	14 3	5 39	17 55	4 3	M20
T 21	19 12	3 35	3 8	9 8	1 57	6 7	4 44	1 55	0 6	23 23	0 8	22 40	0 0	4 32	0 48	21 54	0 31	6 32	12 30	14 18	14 4	5 37	17 55	4 3	T 21
W22	18 58	0s22	3 57	8 40	2 8	5 56	4 57	2 11	0 6	23 23	0 8	22 40	0 0	4 33	0 48	21 54	0 31	6 33	12 30	14 17	14 6	5 35	17 55	4 3	W22
T 23	18 44	4 20	4 35	8 14	2 20	5 45	5 10	2 26	0 5	23 22	0 8	22 41	0 0	4 33	0 48	21 54	0 31	6 33	12 29	14 17	14 7	5 33	17 55	4 4	T 23
F 24	18 29	8 10	5 2	7 50	2 31	5 35	5 24	2 42	0 4	23 22	0 8	22 41	0 1	4 34	0 48	21 53	0 31	6 34	12 29	14 17	14 8	5 31	17 55	4 4	F 24
S 25	18 14	11 45	5 15	7 26	2 43	5 26	5 37	2 58	0 3	23 22	0 8	22 42	0 1	4 34	0 48	21 53	0 31	6 34	12 28	14 17	14 9	5 29	17 55	4 4	S 25
S 26	17 59	14 53	5 15	7 5	2 54	5 18	5 50	3 13	0 2	23 22	0 8	22 42	0 1	4 35	0 48	21 53	0 31	6 34	12 28	14 17	14 10	5 28	17 55	4 5	S 26
M27	17 44	17 23	4 58	6 44	3 6	5 11	6 2	3 29	0 1	23 22	0 8	22 43	0 1	4 36	0 48	21 52	0 31	6 35	12 27	14 17	14 11	5 26	17 56	4 5	M27
T 28	17 28	19 3	4 24	6 26	3 17	5 5	6 15	3 45	0 0	23 21	0 7	22 43	0 1	4 36	0 48	21 52	0 31	6 35	12 27	14 18	14 12	5 24	17 56	4 5	T 28
W29	17 12	19 38	3 35	6 10	3 27	5 0	6 27	4 0	0s 0	23 21	0 7	22 44	0 1	4 37	0 48	21 52	0 31	6 36	12 26	14 18	14 13	5 22	17 56	4 6	W29
T 30	16 55	19 1	2 31	5 56	3 37	4 56	6 40	4 16	0 1	23 21	0 7	22 44	0 1	4 38	0 48	21 52	0 31	6 36	12 26	14 18	14 14	5 20	17 56	4 6	T 30
F 31	16n39	17s 7	1n16	5n45	3s47	4n53	6s51	4s32	0s 2	23n21	0s 7	22s45	0s 1	4s39	0s48	21n51	0s31	6s37	12n25	14n18	14n15	5n18	17n56	4s 6	F 31

Julian Day Number = 2179262.5, Delta T = 11m38s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'38, Lahiri = 13°27'39 Julian Calendar 1 July 1254 == Greg. Calendar 8 July 1254

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ASTRODIENST EPHEMERIS for the year 1254
geocentric

AUGUST 1254 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 6 3	15♌ 7'26	22♒49	6°R15	0°R11	11♎58	4♋30	14°R32	20°R 8	17♋38	23♏14	21°D46	21♌54	22♍54	9♊45	S 1
S 2	21 9 59	16° 5'11	7♓46	6♍11	29♌44	12°36	4°42	14♉29	20♓ 6	17°40	23°14	21♌46	21°51	23° 1	9°48	S 2
M 3	21 13 56	17° 2'56	22°42	6° 1	29°15	13°14	4°54	14°26	20° 4	17°42	23°15	21°46	21°48	23° 8	9°51	M 3
T 4	21 17 52	18° 0'44	7♈29	5°45	28°44	13°53	5° 5	14°22	20° 2	17°44	23°15	21°46	21°44	23°14	9°54	T 4
W 5	21 21 49	18°58'33	22° 2	5°24	28°12	14°31	5°17	14°19	20° 0	17°46	23°15	21°47	21°41	23°21	9°56	W 5
T 6	21 25 45	19°56'24	6♉17	4°57	27°38	15°10	5°28	14°16	19°58	17°48	23°15	21°47	21°38	23°28	9°59	T 6
F 7	21 29 42	20°54'16	20°11	4°24	27° 4	15°49	5°40	14°13	19°56	17°50	23°16	21°47	21°35	23°34	10° 1	F 7
S 8	21 33 39	21°52'11	3♊45	3°46	26°28	16°28	5°51	14°10	19°54	17°52	23°16	21°47	21°32	23°41	10° 4	S 8
S 9	21 37 35	22°50'08	16°58	3° 2	25°52	17° 6	6° 2	14° 7	19°52	17°54	23°17	21°47	21°28	23°48	10° 6	S 9
M10	21 41 32	23°48'06	29°53	2°15	25°15	17°46	6°14	14° 4	19°50	17°56	23°17	21°47	21°25	23°54	10° 8	M10
T 11	21 45 28	24°46'06	12♋33	1°23	24°38	18°25	6°25	14° 1	19°48	17°58	23°17	21°47	21°22	24° 1	10°11	T 11
W12	21 49 25	25°44'08	24°59	0°29	24° 1	19° 4	6°36	13°58	19°46	18° 0	23°18	21°48	21°19	24° 8	10°13	W12
T 13	21 53 21	26°42'12	7♌13	29♌33	23°24	19°43	6°47	13°55	19°44	18° 2	23°18	21°48	21°16	24°14	10°15	T 13
F 14	21 57 18	27°40'18	19°18	28°36	22°48	20°23	6°57	13°53	19°42	18° 3	23°19	21°R48	21°13	24°21	10°17	F 14
S 15	22 1 14	28°38'25	1♍15	27°40	22°12	21° 2	7° 8	13°50	19°40	18° 5	23°20	21°48	21° 9	24°28	10°19	S 15
S 16	22 5 11	29°36'34	13° 8	26°45	21°37	21°42	7°19	13°48	19°37	18° 7	23°20	21°48	21° 6	24°34	10°21	S 16
M17	22 9 8	0♍34'45	24°57	25°52	21° 3	22°21	7°29	13°46	19°35	18° 9	23°21	21°47	21° 3	24°41	10°23	M17
T 18	22 13 4	1°32'57	6♎45	25° 4	20°31	23° 1	7°40	13°43	19°33	18°11	23°22	21°46	21° 0	24°48	10°24	T 18
W19	22 17 1	2°31'11	18°35	24°22	20° 0	23°41	7°50	13°41	19°31	18°12	23°22	21°44	20°57	24°54	10°26	W19
T 20	22 20 57	3°29'27	0♏30	23°45	19°31	24°21	8° 0	13°39	19°28	18°14	23°23	21°42	20°54	25° 1	10°28	T 20
F 21	22 24 54	4°27'44	12°34	23°16	19° 4	25° 1	8°11	13°37	19°26	18°16	23°24	21°41	20°50	25° 8	10°29	F 21
S 22	22 28 50	5°26'03	24°51	22°54	18°38	25°41	8°21	13°35	19°24	18°17	23°25	21°40	20°47	25°14	10°31	S 22
S 23	22 32 47	6°24'23	7♐24	22°41	18°15	26°21	8°31	13°33	19°21	18°19	23°26	21°D40	20°44	25°21	10°32	S 23
M24	22 36 43	7°22'45	20°17	22°D37	17°54	27° 2	8°41	13°32	19°19	18°20	23°26	21°40	20°41	25°28	10°34	M24
T 25	22 40 40	8°21'09	3♑35	22°42	17°35	27°42	8°50	13°30	19°17	18°22	23°27	21°41	20°38	25°34	10°35	T 25
W26	22 44 36	9°19'34	17°20	22°56	17°18	28°22	9° 0	13°28	19°14	18°24	23°28	21°43	20°34	25°41	10°36	W26
T 27	22 48 33	10°18'01	1♒31	23°20	17° 4	29° 3	9°10	13°27	19°12	18°25	23°29	21°44	20°31	25°48	10°37	T 27
F 28	22 52 30	11°16'29	16° 7	23°52	16°52	29°44	9°19	13°26	19°10	18°27	23°30	21°R44	20°28	25°54	10°38	F 28
S 29	22 56 26	12°15'00	1♓ 4	24°33	16°43	0♏24	9°28	13°24	19° 7	18°28	23°31	21°44	20°25	26° 1	10°39	S 29
S 30	23 0 23	13°13'32	16°14	25°23	16°36	1° 5	9°37	13°23	19° 5	18°30	23°32	21°43	20°22	26° 8	10°40	S 30
M31	23 4 19	14♍12'06	1♈27	26♌20	16♌31	1♏46	9♋47	13♉22	19♓ 2	18♋31	23♏33	21♌41	20♌19	26♍14	10♊41	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n22	14s 3	0s 6	5n35	3s56	4n51	7s 3	4s48	0s 3	23n20	0s 7	22s45	0s 1	4s39	0s48	21n51	0s31	6s37	12n25	14n19	14n16	5n16	17n56	4s 7
S 2	16 5	10 3	1 28	5 29	4 5	4 50	7 13	5 3	0 4	23 20	0 7	22 46	0 1	4 40	0 48	21 51	0 31	6 38	12 24	14 18	14 17	5 14	17 56	4 7
M 3	15 47	5 25	2 44	5 26	4 13	4 51	7 24	5 19	0 5	23 20	0 7	22 46	0 1	4 41	0 48	21 51	0 31	6 38	12 24	14 18	14 18	5 12	17 56	4 7
T 4	15 30	0 30	3 48	5 25	4 19	4 52	7 34	5 35	0 6	23 19	0 7	22 47	0 1	4 42	0 48	21 50	0 31	6 39	12 23	14 18	14 19	5 10	17 56	4 8
W 5	15 12	4n21	4 36	5 28	4 25	4 54	7 43	5 51	0 6	23 19	0 7	22 47	0 2	4 42	0 48	21 50	0 31	6 40	12 23	14 18	14 20	5 8	17 56	4 8
T 6	14 53	8 51	5 6	5 33	4 29	4 58	7 51	6 6	0 7	23 19	0 7	22 48	0 2	4 43	0 48	21 50	0 31	6 40	12 22	14 18	14 21	5 6	17 56	4 9
F 7	14 35	12 45	5 18	5 42	4 32	5 2	7 59	6 22	0 8	23 18	0 7	22 48	0 2	4 44	0 48	21 50	0 31	6 41	12 22	14 18	14 22	5 4	17 56	4 9
S 8	14 16	15 54	5 11	5 55	4 34	5 7	8 6	6 38	0 9	23 18	0 6	22 48	0 2	4 45	0 48	21 49	0 31	6 41	12 21	14 18	14 23	5 2	17 56	4 9
S 9	13 57	18 7	4 48	6 10	4 34	5 14	8 12	6 54	0 10	23 17	0 6	22 49	0 2	4 46	0 48	21 49	0 31	6 42	12 21	14 18	14 24	5 0	17 56	4 10
M10	13 38	19 22	4 10	6 29	4 32	5 21	8 17	7 9	0 10	23 17	0 6	22 49	0 2	4 46	0 48	21 49	0 31	6 42	12 20	14 18	14 25	4 58	17 56	4 10
T 11	13 19	19 36	3 21	6 51	4 28	5 29	8 21	7 25	0 11	23 17	0 6	22 50	0 2	4 47	0 48	21 49	0 31	6 43	12 20	14 18	14 26	4 56	17 56	4 11
W12	12 59	18 52	2 24	7 15	4 22	5 38	8 25	7 41	0 12	23 16	0 6	22 50	0 2	4 48	0 48	21 48	0 31	6 44	12 19	14 18	14 27	4 54	17 56	4 11
T 13	12 40	17 15	1 20	7 42	4 15	5 47	8 27	7 56	0 13	23 16	0 6	22 50	0 2	4 49	0 48	21 48	0 31	6 44	12 19	14 18	14 28	4 52	17 56	4 11
F 14	12 20	14 52	0 14	8 10	4 5	5 57	8 29	8 12	0 13	23 15	0 6	22 51	0 2	4 50	0 48	21 48	0 31	6 45	12 18	14 18	14 29	4 50	17 56	4 12
S 15	12 0	11 53	0n52	8 40	3 54	6 8	8 29	8 28	0 14	23 15	0 6	22 51	0 2	4 51	0 48	21 48	0 31	6 45	12 18	14 18	14 30	4 48	17 55	4 12
S 16	11 39	8 26	1 56	9 11	3 41	6 19	8 29	8 43	0 15	23 14	0 6	22 51	0 2	4 52	0 48	21 47	0 31	6 46	12 17	14 18	14 31	4 46	17 55	4 13
M17	11 19	4 40	2 54	9 43	3 26	6 30	8 28	8 59	0 16	23 14	0 6	22 52	0 3	4 53	0 48	21 47	0 31	6 47	12 17	14 18	14 32	4 44	17 55	4 13
T 18	10 58	0 45	3 44	10 14	3 10	6 42	8 26	9 14	0 16	23 13	0 6	22 52	0 3	4 53	0 48	21 47	0 31	6 47	12 16	14 19	14 33	4 42	17 55	4 13
W19	10 37	3s13	4 25	10 45	2 53	6 54	8 23	9 30	0 17	23 13	0 5	22 52	0 3	4 54	0 48	21 47	0 31	6 48	12 16	14 19	14 34	4 40	17 55	4 14
T 20	10 16	7 5	4 55	11 14	2 34	7 6	8 20	9 45	0 18	23 12	0 5	22 53	0 3	4 55	0 48	21 46	0 31	6 49	12 15	14 20	14 35	4 38	17 55	4 14
F 21	9 55	10 42	5 13	11 41	2 16	7 19	8 15	10 1	0 19	23 12	0 5	22 53	0 3	4 56	0 48	21 46	0 31	6 49	12 15	14 20	14 36	4 36	17 55	4 15
S 22	9 33	13 56	5 16	12 6	1 56	7 31	8 10	10 16	0 19	23 11	0 5	22 53	0 3	4 57	0 48	21 46	0 31	6 50	12 14	14 20	14 37	4 34	17 54	4 15
S 23	9 12	16 37	5 5	12 29	1 37	7 43	8 5	10 31	0 20	23 11	0 5	22 53	0 3	4 58	0 48	21 46	0 31	6 51	12 14	14 20	14 38	4 32	17 54	4 15
M24	8 50	18 33	4 38	12 48	1 18	7 56	7 58	10 47	0 21	23 10	0 5	22 54	0 3	4 59	0 48	21 46	0 31	6 51	12 13	14 20	14 39	4 30	17 54	4 16
T 25	8 28	19 33	3 56	13 4	0 59	8 8	7 51	11 2	0 22	23 9	0 5	22 54	0 3	5 0	0 48	21 45	0 31	6 52	12 13	14 20	14 40	4 28	17 54	4 16
W26	8 6	19 27	2 59	13 17	0 41	8 20	7 44	11 17	0 22	23 9	0 5	22 54	0 3	5 1	0 48	21 45	0 31	6 53	12 12	14 19	14 41	4 26	17 53	4 17
T 27	7 44	18 7	1 50	13 26	0 23	8 32	7 36	11 32	0 23	23 8	0 5	22 54	0 3	5 2	0 48	21 45	0 31	6 53	12 12	14 19	14 42	4 24	17 53	4 17
F 28	7 22	15 34	0 31	13 31	0 7	8 43	7 28	11 47	0 24	23 8	0 5	22 55	0 3	5 3	0 48	21 45	0 31	6 54	12 12	14 19	14 43	4 22	17 53	4 18
S 29	7 0	11 56	0s51	13 32	0n 9	8 54	7 19	12 2	0 24	23 7	0 4	22 55	0 4	5 4	0 48	21 45	0 31	6 55	12 11	14 19	14 44	4 20	17 53	4 18
S 30	6 37	7 28	2 11	13 29	0 24	9 5	7 10	12 17	0 25	23 7	0 4	22 55	0 4	5 5	0 48	21 44	0 31	6 55	12 11	14 19	14 45	4 18	17 52	4 18
M31	6n14	2s30	3s22	13n23	0n38	9n15	7s 1	12s32	0s26	23n 6	0s 4	22s55	0s 4	5s 6	0s48	21n44	0s31	6s56	12n10	14n20	14n46	4n16	17n52	4s19

Julian Day Number = 2179293.5, Delta T = 11m38s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'43, Lahiri = 13°27'43 Julian Calendar 1 Aug. 1254 == Greg. Calendar 8 Aug. 1254

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ASTRODIENST EPHEMERIS for the year 1254
geocentric

SEPTEMBER 1254 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 8 16	15♍10'42	16♈34	27♌25	16°D29	2♏27	9♋56	13°R21	19°R 0	18♋32	23♏35	21°R38	20♌15	26♍21	10♊42	T 1
W 2	23 12 12	16° 9'20	1♉26	28°36	16♌29	3° 8	10° 4	13♑20	18♓58	18°34	23°36	21♌35	20°12	26°28	10°43	W 2
T 3	23 16 9	17° 8'01	15°56	29°53	16°32	3°49	10°13	13°19	18°55	18°35	23°37	21°32	20° 9	26°34	10°43	T 3
F 4	23 20 5	18° 6'44	29°59	1♍16	16°37	4°30	10°22	13°19	18°53	18°37	23°38	21°30	20° 6	26°41	10°44	F 4
S 5	23 24 2	19° 5'29	13♊36	2°43	16°44	5°12	10°30	13°18	18°50	18°38	23°39	21°D28	20° 3	26°48	10°44	S 5
S 6	23 27 59	20° 4'17	26°47	4°15	16°54	5°53	10°39	13°18	18°48	18°39	23°41	21°28	19°59	26°54	10°45	S 6
M 7	23 31 55	21° 3'06	9♋35	5°51	17° 5	6°35	10°47	13°17	18°45	18°40	23°42	21°30	19°56	27° 1	10°45	M 7
T 8	23 35 52	22° 1'59	22° 4	7°29	17°19	7°16	10°55	13°17	18°43	18°42	23°43	21°31	19°53	27° 8	10°46	T 8
W 9	23 39 48	23° 0'53	4♌18	9°10	17°35	7°58	11° 3	13°17	18°41	18°43	23°45	21°33	19°50	27°14	10°46	W 9
T 10	23 43 45	23°59'50	16°21	10°53	17°52	8°39	11°11	13°17	18°38	18°44	23°46	21°R34	19°47	27°21	10°46	T 10
F 11	23 47 41	24°58'49	28°16	12°37	18°12	9°21	11°19	13°D17	18°36	18°45	23°48	21°34	19°44	27°28	10°R46	F 11
S 12	23 51 38	25°57'50	10♍ 7	14°23	18°33	10° 3	11°26	13°17	18°33	18°46	23°49	21°32	19°40	27°34	10°46	S 12
S 13	23 55 34	26°56'53	21°56	16° 9	18°57	10°45	11°33	13°17	18°31	18°47	23°51	21°29	19°37	27°41	10°46	S 13
M14	23 59 31	27°55'58	3♎45	17°56	19°22	11°27	11°41	13°17	18°29	18°48	23°52	21°23	19°34	27°48	10°46	M14
T 15	0 3 28	28°55'05	15°35	19°44	19°48	12° 9	11°48	13°18	18°26	18°49	23°54	21°17	19°31	27°54	10°45	T 15
W16	0 7 24	29°54'14	27°30	21°31	20°17	12°52	11°55	13°18	18°24	18°50	23°55	21°10	19°28	28° 1	10°45	W16
T 17	0 11 21	0♎53'26	9♏30	23°19	20°47	13°34	12° 2	13°19	18°22	18°51	23°57	21° 2	19°25	28° 8	10°45	T 17
F 18	0 15 17	1°52'39	21°39	25° 6	21°18	14°16	12° 8	13°19	18°19	18°52	23°58	20°56	19°21	28°15	10°44	F 18
S 19	0 19 14	2°51'54	3♐58	26°53	21°51	14°59	12°15	13°20	18°17	18°53	24° 0	20°50	19°18	28°21	10°43	S 19
S 20	0 23 10	3°51'11	16°30	28°40	22°25	15°41	12°21	13°21	18°15	18°54	24° 2	20°47	19°15	28°28	10°43	S 20
M21	0 27 7	4°50'30	29°20	0♑26	23° 1	16°24	12°28	13°22	18°12	18°55	24° 3	20°D45	19°12	28°35	10°42	M21
T 22	0 31 3	5°49'50	12♑30	2°12	23°38	17° 6	12°34	13°23	18°10	18°56	24° 5	20°45	19° 9	28°41	10°41	T 22
W23	0 35 0	6°49'13	26° 3	3°57	24°16	17°49	12°40	13°24	18° 8	18°56	24° 7	20°46	19° 5	28°48	10°40	W23
T 24	0 38 56	7°48'37	10♒ 2	5°41	24°55	18°32	12°45	13°26	18° 6	18°57	24° 9	20°47	19° 2	28°55	10°40	T 24
F 25	0 42 53	8°48'03	24°27	7°25	25°36	19°15	12°51	13°27	18° 3	18°58	24°10	20°R48	18°59	29° 1	10°39	F 25
S 26	0 46 50	9°47'31	9♓15	9° 8	26°17	19°58	12°56	13°28	18° 1	18°58	24°12	20°46	18°56	29° 8	10°37	S 26
S 27	0 50 46	10°47'00	24°21	10°50	27° 0	20°41	13° 2	13°30	17°59	18°59	24°14	20°43	18°53	29°15	10°36	S 27
M28	0 54 43	11°46'32	9♈37	12°32	27°44	21°24	13° 7	13°32	17°57	19° 0	24°16	20°37	18°50	29°21	10°35	M28
T 29	0 58 39	12°46'05	24°52	14°13	28°28	22° 7	13°12	13°34	17°55	19° 0	24°18	20°30	18°46	29°28	10°34	T 29
W30	1 2 36	13♎45'41	9♉55	15♎53	29♌14	22♏50	13♋17	13♑35	17♓53	19♋ 1	24♏20	20♌21	18♌43	29♍35	10♊32	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n52	2n34	4s18	13n12	0n50	9n25	6s51	12s47	0s26	23n 6	0s 4	22s55	0s 4	5s 6	0s48	21n44	0s31	6s57	12n10	14n21	14n47	4n14	17n52	4s19
W 2	5 29	7 24	4 55	12 58	1 2	9 34	6 41	13 2	0 27	23 5	0 4	22 56	0 4	5 7	0 48	21 44	0 31	6 58	12 9	14 22	14 48	4 12	17 51	4 20
T 3	5 6	11 41	5 13	12 40	1 12	9 43	6 31	13 17	0 28	23 4	0 4	22 56	0 4	5 8	0 48	21 44	0 31	6 58	12 9	14 23	14 49	4 10	17 51	4 20
F 4	4 43	15 10	5 11	12 19	1 21	9 52	6 21	13 31	0 29	23 4	0 4	22 56	0 4	5 9	0 48	21 43	0 31	6 59	12 8	14 24	14 50	4 8	17 51	4 21
S 5	4 20	17 42	4 51	11 55	1 28	9 59	6 10	13 46	0 29	23 3	0 4	22 56	0 4	5 10	0 48	21 43	0 31	7 0	12 8	14 24	14 51	4 6	17 50	4 21
S 6	3 57	19 13	4 17	11 28	1 35	10 7	6 0	14 0	0 30	23 3	0 4	22 56	0 4	5 11	0 48	21 43	0 31	7 0	12 7	14 24	14 52	4 4	17 50	4 21
M 7	3 34	19 41	3 30	10 58	1 40	10 13	5 49	14 15	0 30	23 2	0 4	22 56	0 4	5 12	0 48	21 43	0 31	7 1	12 7	14 24	14 53	4 2	17 50	4 22
T 8	3 10	19 10	2 35	10 25	1 45	10 19	5 39	14 29	0 31	23 2	0 3	22 56	0 4	5 13	0 48	21 43	0 31	7 2	12 7	14 23	14 55	4 0	17 49	4 22
W 9	2 47	17 45	1 33	9 50	1 48	10 25	5 28	14 43	0 32	23 1	0 3	22 56	0 4	5 14	0 48	21 43	0 31	7 3	12 6	14 23	14 56	3 58	17 49	4 23
T 10	2 24	15 33	0 29	9 13	1 51	10 30	5 18	14 57	0 32	23 0	0 3	22 57	0 4	5 15	0 48	21 42	0 31	7 3	12 6	14 22	14 57	3 56	17 48	4 23
F 11	2 0	12 42	0n37	8 35	1 52	10 34	5 7	15 11	0 33	23 0	0 3	22 57	0 5	5 16	0 48	21 42	0 31	7 4	12 5	14 22	14 58	3 54	17 48	4 24
S 12	1 37	9 20	1 40	7 55	1 53	10 37	4 56	15 25	0 34	22 59	0 3	22 57	0 5	5 17	0 48	21 42	0 31	7 5	12 5	14 23	14 59	3 52	17 48	4 24
S 13	1 13	5 38	2 38	7 13	1 53	10 40	4 46	15 39	0 34	22 59	0 3	22 57	0 5	5 18	0 48	21 42	0 31	7 6	12 4	14 24	15 0	3 50	17 47	4 24
M14	0 50	1 43	3 30	6 30	1 52	10 43	4 35	15 53	0 35	22 58	0 3	22 57	0 5	5 19	0 48	21 42	0 31	7 6	12 4	14 26	15 1	3 48	17 47	4 25
T 15	0 26	2s17	4 12	5 47	1 51	10 45	4 25	16 6	0 36	22 58	0 3	22 57	0 5	5 20	0 48	21 42	0 31	7 7	12 4	14 28	15 2	3 46	17 46	4 25
W16	0 2	6 12	4 44	5 3	1 49	10 46	4 14	16 20	0 36	22 57	0 3	22 57	0 5	5 21	0 48	21 41	0 31	7 8	12 3	14 30	15 3	3 44	17 46	4 26
T 17	0s21	9 55	5 3	4 17	1 46	10 46	4 4	16 33	0 37	22 57	0 2	22 57	0 5	5 21	0 48	21 41	0 31	7 9	12 3	14 32	15 4	3 42	17 45	4 26
F 18	0 45	13 16	5 10	3 32	1 43	10 46	3 54	16 47	0 37	22 56	0 2	22 57	0 5	5 22	0 48	21 41	0 31	7 9	12 2	14 35	15 5	3 40	17 45	4 27
S 19	1 9	16 5	5 2	2 46	1 40	10 45	3 44	17 0	0 38	22 56	0 2	22 57	0 5	5 23	0 48	21 41	0 31	7 10	12 2	14 36	15 6	3 38	17 44	4 27
S 20	1 32	18 13	4 39	2 0	1 36	10 44	3 34	17 13	0 39	22 55	0 2	22 57	0 5	5 24	0 48	21 41	0 31	7 11	12 2	14 37	15 7	3 36	17 44	4 27
M21	1 56	19 30	4 2	1 14	1 32	10 42	3 24	17 26	0 39	22 55	0 2	22 57	0 5	5 25	0 48	21 41	0 31	7 12	12 1	14 38	15 8	3 34	17 43	4 28
T 22	2 19	19 45	3 12	0 27	1 27	10 39	3 14	17 39	0 40	22 54	0 2	22 57	0 5	5 26	0 48	21 41	0 31	7 12	12 1	14 38	15 8	3 32	17 43	4 28
W23	2 43	18 54	2 10	0s19	1 22	10 35	3 4	17 51	0 40	22 54	0 2	22 57	0 5	5 27	0 48	21 41	0 31	7 13	12 0	14 38	15 9	3 30	17 42	4 29
T 24	3 7	16 52	0 58	1 6	1 17	10 32	2 55	18 4	0 41	22 53	0 2	22 57	0 5	5 28	0 48	21 40	0 31	7 14	12 0	14 37	15 10	3 28	17 42	4 29
F 25	3 30	13 44	0s20	1 52	1 11	10 27	2 45	18 16	0 41	22 53	0 2	22 57	0 6	5 28	0 48	21 40	0 31	7 15	12 0	14 37	15 11	3 26	17 41	4 29
S 26	3 54	9 39	1 38	2 38	1 6	10 22	2 36	18 29	0 42	22 53	0 1	22 57	0 6	5 29	0 48	21 40	0 31	7 16	11 59	14 38	15 12	3 24	17 41	4 30
S 27	4 17	4 52	2 51	3 23	1 0	10 16	2 27	18 41	0 43	22 52	0 1	22 56	0 6	5 30	0 48	21 40	0 31	7 16	11 59	14 39	15 13	3 22	17 40	4 30
M28	4 40	0n16	3 52	4 9	0 54	10 9	2 18	18 53	0 43	22 52	0 1	22 56	0 6	5 31	0 48	21 40	0 31	7 17	11 59	14 41	15 14	3 20	17 39	4 31
T 29	5 4	5 22	4 36	4 54	0 47	10 2	2 9	19 4	0 44	22 51	0 1	22 56	0 6	5 32	0 48	21 40	0 31	7 18	11 58	14 43	15 15	3 18	17 39	4 31
W30	5s27	10n 5	5s 1	5s39	0n41	9n55	2s 0	19s16	0s44	22n51	0s 1	22s56	0s 6	5s33	0s48	21n40	0s31	7s19	11n58	14n46	15n16	3n16	17n38	4s32

Julian Day Number = 2179324.5, Delta T = 11m38s
Ecliptic obliquity = 23°32'03, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'47, Lahiri = 13°27'47 Julian Calendar 1 Sept. 1254 == Greg. Calendar 8 Sept. 1254

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ASTRODIENST EPHEMERIS for the year 1254
geocentric

OCTOBER 1254 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 6 32	14♎45'19	24♉37	17♎33	0♍ 1	23♏34	13♋21	13♑37	17°R51	19♋ 1	24♏22	20°R13	18♌40	29♍41	10°R31	T 1
F 2	1 10 29	15°44'59	8♊52	19°12	0°49	24°17	13°26	13°39	17♓49	19° 2	24°24	20♌ 6	18°37	29°48	10♊29	F 2
S 3	1 14 25	16°44'42	22°37	20°51	1°37	25° 1	13°30	13°42	17°47	19° 2	24°25	20° 1	18°34	29°55	10°28	S 3
S 4	1 18 22	17°44'27	5♋52	22°29	2°26	25°44	13°34	13°44	17°45	19° 2	24°27	19°59	18°30	0♎ 1	10°26	S 4
M 5	1 22 19	18°44'14	18°42	24° 6	3°17	26°28	13°38	13°46	17°43	19° 3	24°29	19°D58	18°27	0° 8	10°25	M 5
T 6	1 26 15	19°44'03	1♌ 9	25°43	4° 8	27°12	13°41	13°49	17°41	19° 3	24°31	19°58	18°24	0°15	10°23	T 6
W 7	1 30 12	20°43'55	13°18	27°19	4°59	27°55	13°45	13°51	17°39	19° 3	24°34	19°59	18°21	0°21	10°21	W 7
T 8	1 34 8	21°43'49	25°16	28°55	5°52	28°39	13°48	13°54	17°37	19° 4	24°36	19°R59	18°18	0°28	10°19	T 8
F 9	1 38 5	22°43'45	7♍ 7	0♏30	6°45	29°23	13°52	13°57	17°35	19° 4	24°38	19°58	18°15	0°35	10°17	F 9
S 10	1 42 1	23°43'43	18°55	2° 4	7°39	0♐ 7	13°55	13°59	17°33	19° 4	24°40	19°54	18°11	0°41	10°15	S 10
S 11	1 45 58	24°43'43	0♎43	3°39	8°33	0°51	13°57	14° 2	17°31	19° 4	24°42	19°47	18° 8	0°48	10°13	S 11
M12	1 49 54	25°43'45	12°34	5°12	9°28	1°35	14° 0	14° 5	17°30	19° 4	24°44	19°37	18° 5	0°55	10°11	M12
T 13	1 53 51	26°43'50	24°31	6°45	10°24	2°19	14° 2	14° 8	17°28	19° 5	24°46	19°25	18° 2	1° 1	10° 8	T 13
W14	1 57 48	27°43'56	6♏34	8°18	11°20	3° 4	14° 5	14°12	17°26	19° 5	24°48	19°12	17°59	1° 8	10° 6	W14
T 15	2 1 44	28°44'04	18°45	9°50	12°17	3°48	14° 7	14°15	17°25	19°R 5	24°50	18°59	17°56	1°15	10° 4	T 15
F 16	2 5 41	29°44'14	1♐ 4	11°22	13°15	4°32	14° 8	14°18	17°23	19° 5	24°53	18°47	17°52	1°22	10° 1	F 16
S 17	2 9 37	0♏44'26	13°33	12°54	14°13	5°17	14°10	14°22	17°21	19° 5	24°55	18°37	17°49	1°28	9°59	S 17
S 18	2 13 34	1°44'39	26°14	14°25	15°11	6° 1	14°12	14°25	17°20	19° 4	24°57	18°29	17°46	1°35	9°56	S 18
M19	2 17 30	2°44'54	9♑ 7	15°55	16°10	6°46	14°13	14°29	17°18	19° 4	24°59	18°24	17°43	1°42	9°54	M19
T 20	2 21 27	3°45'10	22°15	17°25	17° 9	7°30	14°14	14°33	17°17	19° 4	25° 1	18°22	17°40	1°48	9°51	T 20
W21	2 25 23	4°45'28	5♒42	18°55	18° 9	8°15	14°15	14°36	17°16	19° 4	25° 4	18°D21	17°36	1°55	9°48	W21
T 22	2 29 20	5°45'48	19°29	20°24	19° 9	9° 0	14°15	14°40	17°14	19° 4	25° 6	18°R22	17°33	2° 2	9°46	T 22
F 23	2 33 17	6°46'09	3♓37	21°53	20°10	9°45	14°16	14°44	17°13	19° 4	25° 8	18°21	17°30	2° 8	9°43	F 23
S 24	2 37 13	7°46'31	18° 7	23°22	21°11	10°30	14°16	14°48	17°12	19° 3	25°10	18°18	17°27	2°15	9°40	S 24
S 25	2 41 10	8°46'54	2♈55	24°50	22°13	11°15	14°R16	14°52	17°10	19° 3	25°13	18°13	17°24	2°22	9°37	S 25
M26	2 45 6	9°47'19	17°55	26°17	23°15	12° 0	14°16	14°57	17° 9	19° 3	25°15	18° 5	17°21	2°28	9°34	M26
T 27	2 49 3	10°47'46	2♉58	27°44	24°17	12°45	14°16	15° 1	17° 8	19° 2	25°17	17°54	17°17	2°35	9°31	T 27
W28	2 52 59	11°48'14	17°56	29°10	25°20	13°30	14°15	15° 5	17° 7	19° 2	25°20	17°42	17°14	2°42	9°28	W28
T 29	2 56 56	12°48'44	2♊38	0♐36	26°23	14°15	14°14	15°10	17° 6	19° 1	25°22	17°31	17°11	2°48	9°25	T 29
F 30	3 0 52	13°49'16	16°56	2° 1	27°27	15° 0	14°13	15°14	17° 5	19° 1	25°24	17°20	17° 8	2°55	9°22	F 30
S 31	3 4 49	14♏49'49	0♋47	3♐25	28♍30	15♐45	14♋12	15♑19	17♓ 4	19♋ 0	25♏27	17♌12	17♌ 5	3♎ 2	9♊19	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat
T 1	5s50	14n 4	5s 5	6s23	0n35	9n47	1s51	19s28	0s45	22n51	0s 1	22s56	0s 6	5s33	0s48	21n40	0s31	7s19	11n58	14n48	15n17	3n14	17n38	4s32
F 2	6 13	17 5	4 50	7 7	0 28	9 38	1 43	19 39	0 45	22 50	0 1	22 56	0 6	5 34	0 48	21 40	0 31	7 20	11 57	14 50	15 18	3 11	17 37	4 32
S 3	6 36	19 2	4 18	7 50	0 21	9 28	1 34	19 50	0 46	22 50	0 1	22 56	0 6	5 35	0 48	21 40	0 31	7 21	11 57	14 52	15 19	3 9	17 36	4 33
S 4	6 59	19 51	3 34	8 33	0 15	9 18	1 26	20 1	0 46	22 50	0 1	22 56	0 6	5 36	0 48	21 40	0 31	7 22	11 57	14 53	15 20	3 7	17 36	4 33
M 5	7 22	19 35	2 40	9 16	0 8	9 8	1 18	20 12	0 47	22 50	0 0	22 55	0 6	5 37	0 48	21 40	0 31	7 22	11 56	14 53	15 21	3 5	17 35	4 34
T 6	7 45	18 22	1 39	9 57	0 1	8 57	1 10	20 23	0 47	22 49	0 0	22 55	0 6	5 37	0 48	21 40	0 31	7 23	11 56	14 53	15 22	3 3	17 34	4 34
W 7	8 8	16 19	0 36	10 39	0s 5	8 45	1 2	20 33	0 48	22 49	0 0	22 55	0 6	5 38	0 48	21 39	0 31	7 24	11 56	14 53	15 23	3 1	17 34	4 34
T 8	8 30	13 36	0n28	11 19	0 12	8 33	0 55	20 43	0 48	22 49	0 0	22 55	0 6	5 39	0 48	21 39	0 31	7 25	11 55	14 53	15 24	2 59	17 33	4 35
F 9	8 52	10 20	1 30	11 59	0 19	8 20	0 47	20 53	0 49	22 49	0n 0	22 55	0 7	5 39	0 48	21 39	0 31	7 25	11 55	14 53	15 25	2 57	17 33	4 35
S 10	9 15	6 40	2 28	12 38	0 26	8 7	0 40	21 3	0 49	22 48	0 0	22 54	0 7	5 40	0 48	21 39	0 31	7 26	11 55	14 54	15 26	2 55	17 32	4 35
S 11	9 37	2 45	3 19	13 17	0 32	7 54	0 33	21 13	0 50	22 48	0 0	22 54	0 7	5 41	0 48	21 39	0 31	7 27	11 55	14 57	15 27	2 53	17 31	4 36
M12	9 59	1s16	4 2	13 55	0 39	7 39	0 25	21 23	0 50	22 48	0 0	22 54	0 7	5 41	0 48	21 39	0 31	7 28	11 54	15 0	15 28	2 51	17 31	4 36
T 13	10 21	5 17	4 34	14 32	0 45	7 25	0 19	21 32	0 51	22 48	0 1	22 54	0 7	5 42	0 48	21 39	0 31	7 28	11 54	15 3	15 29	2 49	17 30	4 37
W14	10 42	9 8	4 54	15 9	0 52	7 9	0 12	21 41	0 51	22 48	0 1	22 53	0 7	5 43	0 48	21 39	0 31	7 29	11 54	15 7	15 30	2 47	17 29	4 37
T 15	11 4	12 38	5 2	15 45	0 58	6 54	0 5	21 50	0 52	22 48	0 1	22 53	0 7	5 43	0 47	21 39	0 31	7 30	11 54	15 11	15 31	2 45	17 29	4 37
F 16	11 25	15 39	4 55	16 20	1 5	6 38	0n 1	21 59	0 52	22 48	0 1	22 53	0 7	5 44	0 47	21 39	0 31	7 31	11 53	15 15	15 32	2 43	17 28	4 38
S 17	11 47	17 59	4 34	16 54	1 11	6 21	0 8	22 8	0 52	22 48	0 1	22 52	0 7	5 44	0 47	21 39	0 31	7 31	11 53	15 19	15 33	2 40	17 27	4 38
S 18	12 8	19 30	3 59	17 27	1 17	6 4	0 14	22 16	0 53	22 48	0 1	22 52	0 7	5 45	0 47	21 39	0 31	7 32	11 53	15 21	15 34	2 38	17 26	4 38
M19	12 28	20 2	3 12	18 0	1 23	5 47	0 20	22 24	0 53	22 48	0 1	22 52	0 7	5 46	0 47	21 39	0 31	7 33	11 53	15 22	15 35	2 36	17 26	4 39
T 20	12 49	19 29	2 14	18 31	1 29	5 29	0 26	22 32	0 54	22 48	0 1	22 51	0 7	5 46	0 47	21 39	0 31	7 34	11 52	15 23	15 36	2 34	17 25	4 39
W21	13 9	17 51	1 7	19 2	1 34	5 11	0 31	22 40	0 54	22 48	0 2	22 51	0 7	5 47	0 47	21 39	0 31	7 34	11 52	15 23	15 37	2 32	17 24	4 39
T 22	13 30	15 8	0s 6	19 32	1 40	4 52	0 37	22 47	0 55	22 48	0 2	22 51	0 7	5 47	0 47	21 39	0 31	7 35	11 52	15 23	15 38	2 30	17 24	4 40
F 23	13 50	11 28	1 20	20 0	1 45	4 33	0 42	22 54	0 55	22 48	0 2	22 50	0 7	5 48	0 47	21 39	0 31	7 36	11 52	15 23	15 39	2 28	17 23	4 40
S 24	14 9	7 1	2 30	20 28	1 50	4 14	0 47	23 1	0 55	22 48	0 2	22 50	0 8	5 48	0 47	21 39	0 31	7 36	11 52	15 24	15 40	2 26	17 22	4 40
S 25	14 29	2 5	3 32	20 55	1 55	3 54	0 53	23 8	0 56	22 48	0 2	22 50	0 8	5 49	0 47	21 39	0 31	7 37	11 51	15 26	15 41	2 24	17 21	4 40
M26	14 48	3n 3	4 20	21 21	2 0	3 34	0 58	23 15	0 56	22 48	0 2	22 49	0 8	5 49	0 47	21 39	0 31	7 38	11 51	15 28	15 42	2 22	17 21	4 41
T 27	15 7	8 0	4 50	21 45	2 5	3 14	1 2	23 21	0 57	22 48	0 2	22 49	0 8	5 49	0 47	21 40	0 31	7 38	11 51	15 32	15 43	2 20	17 20	4 41
W28	15 26	12 26	5 0	22 9	2 9	2 53	1 7	23 27	0 57	22 49	0 3	22 48	0 8	5 50	0 47	21 40	0 31	7 39	11 51	15 35	15 44	2 17	17 19	4 41
T 29	15 45	16 1	4 50	22 31	2 13	2 32	1 12	23 33	0 57	22 49	0 3	22 48	0 8	5 50	0 47	21 40	0 31	7 40	11 51	15 39	15 45	2 15	17 19	4 42
F 30	16 3	18 33	4 22	22 52	2 16	2 11	1 16	23 38	0 58	22 49	0 3	22 47	0 8	5 51	0 47	21 40	0 31	7 40	11 51	15 42	15 46	2 13	17 18	4 42
S 31	16s21	19n53	3s39	23s12	2s19	1n49	1n20	23s44	0s58	22n49	0n 3	22s47	0s 8	5s51	0s47	21n40	0s31	7s41	11n50	15n44	15n47	2n11	17n17	4s42

Julian Day Number = 2179354.5, Delta T = 11m38s
Ecliptic obliquity = 23°32'03, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'51, Lahiri = 13°27'51 Julian Calendar 1 Oct. 1254 == Greg. Calendar 8 Oct. 1254

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ASTRODIENST EPHEMERIS for the year 1254
geocentric

NOVEMBER 1254 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 8 45	15♏50'25	14♋ 9	4♐48	29♍35	16♐31	14°R11	15♑23	17°R 3	19°R 0	25♏29	17°R 7	17♌ 2	3♎ 8	9°R16	S 1
M 2	3 12 42	16°51'02	27° 3	6°11	0♎39	17°16	14♋10	15°28	17♓ 2	18♋59	25°31	17♌ 4	16°58	3°15	9♊12	M 2
T 3	3 16 39	17°51'40	9♌33	7°32	1°44	18° 2	14° 8	15°33	17° 1	18°59	25°34	17° 3	16°55	3°22	9° 9	T 3
W 4	3 20 35	18°52'21	21°45	8°52	2°49	18°47	14° 6	15°38	17° 0	18°58	25°36	17° 3	16°52	3°29	9° 6	W 4
T 5	3 24 32	19°53'03	3♍43	10°11	3°54	19°33	14° 4	15°43	17° 0	18°57	25°38	17° 3	16°49	3°35	9° 2	T 5
F 6	3 28 28	20°53'46	15°34	11°28	5° 0	20°18	14° 1	15°48	16°59	18°57	25°41	17° 1	16°46	3°42	8°59	F 6
S 7	3 32 25	21°54'32	27°22	12°43	6° 6	21° 4	13°59	15°53	16°58	18°56	25°43	16°57	16°42	3°49	8°56	S 7
S 8	3 36 21	22°55'18	9♎11	13°57	7°12	21°50	13°56	15°58	16°58	18°55	25°45	16°49	16°39	3°55	8°52	S 8
M 9	3 40 18	23°56'07	21° 7	15° 8	8°18	22°35	13°53	16° 3	16°57	18°54	25°48	16°39	16°36	4° 2	8°49	M 9
T 10	3 44 14	24°56'57	3♏10	16°16	9°25	23°21	13°50	16° 8	16°57	18°54	25°50	16°27	16°33	4° 9	8°45	T 10
W11	3 48 11	25°57'48	15°24	17°21	10°32	24° 7	13°47	16°14	16°56	18°53	25°52	16°13	16°30	4°15	8°42	W11
T 12	3 52 8	26°58'40	27°49	18°23	11°39	24°53	13°43	16°19	16°56	18°52	25°55	15°58	16°27	4°22	8°38	T 12
F 13	3 56 4	27°59'34	10♐25	19°21	12°47	25°39	13°40	16°25	16°56	18°51	25°57	15°45	16°23	4°29	8°34	F 13
S 14	4 0 1	29° 0'29	23°11	20°14	13°54	26°25	13°36	16°30	16°55	18°50	26° 0	15°33	16°20	4°35	8°31	S 14
S 15	4 3 57	0♑ 1'25	6♑ 9	21° 2	15° 2	27°11	13°32	16°36	16°55	18°49	26° 2	15°25	16°17	4°42	8°27	S 15
M16	4 7 54	1° 2'21	19°17	21°44	16°10	27°57	13°28	16°42	16°55	18°48	26° 4	15°19	16°14	4°49	8°24	M16
T 17	4 11 50	2° 3'19	2♒37	22°20	17°18	28°43	13°23	16°47	16°55	18°47	26° 7	15°17	16°11	4°55	8°20	T 17
W18	4 15 47	3° 4'17	16° 8	22°48	18°27	29°30	13°19	16°53	16°55	18°46	26° 9	15°D16	16° 8	5° 2	8°16	W18
T 19	4 19 44	4° 5'16	29°53	23° 7	19°35	0♑16	13°14	16°59	16°D55	18°45	26°11	15°R17	16° 4	5° 9	8°13	T 19
F 20	4 23 40	5° 6'16	13♓52	23°18	20°44	1° 2	13° 9	17° 5	16°55	18°44	26°14	15°16	16° 1	5°16	8° 9	F 20
S 21	4 27 37	6° 7'16	28° 4	23°R18	21°53	1°49	13° 4	17°11	16°55	18°43	26°16	15°14	15°58	5°22	8° 5	S 21
S 22	4 31 33	7° 8'17	12♈30	23° 8	23° 2	2°35	12°59	17°17	16°55	18°41	26°18	15°10	15°55	5°29	8° 2	S 22
M23	4 35 30	8° 9'18	27° 4	22°46	24°11	3°21	12°53	17°23	16°55	18°40	26°21	15° 3	15°52	5°36	7°58	M23
T 24	4 39 26	9°10'20	11♉42	22°13	25°21	4° 8	12°48	17°29	16°55	18°39	26°23	14°54	15°48	5°42	7°54	T 24
W25	4 43 23	10°11'23	26°18	21°29	26°30	4°54	12°42	17°35	16°56	18°38	26°25	14°43	15°45	5°49	7°51	W25
T 26	4 47 19	11°12'26	10♊42	20°34	27°40	5°41	12°36	17°41	16°56	18°36	26°28	14°33	15°42	5°56	7°47	T 26
F 27	4 51 16	12°13'30	24°49	19°29	28°50	6°27	12°30	17°47	16°56	18°35	26°30	14°23	15°39	6° 2	7°43	F 27
S 28	4 55 13	13°14'35	8♋34	18°16	0♏ 0	7°14	12°24	17°53	16°57	18°34	26°32	14°16	15°36	6° 9	7°40	S 28
S 29	4 59 9	14°15'41	21°54	16°57	1°10	8° 1	12°18	18° 0	16°57	18°33	26°35	14°11	15°33	6°16	7°36	S 29
M30	5 3 6	15♐16'47	4♌50	15♐35	2♏21	8♑47	12♋11	18♑ 6	16♓58	18♋31	26♏37	14♌ 8	15♌29	6♎22	7♊33	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s39	20n 3	2s45	23s31	2s22	1n27	1n24	23s49	0s58	22n50	0n 3	22s47	0s 8	5s51	0s47	21n40	0s31	7s42	11n50	15n46	15n48	2n 9	17n16	4s42
M 2	16 56	19 8	1 44	23 48	2 25	1 5	1 28	23 54	0 59	22 50	0 3	22 46	0 8	5 52	0 47	21 40	0 31	7 42	11 50	15 47	15 49	2 7	17 16	4 43
T 3	17 13	17 18	0 40	24 4	2 27	0 43	1 32	23 58	0 59	22 50	0 3	22 46	0 8	5 52	0 47	21 40	0 31	7 43	11 50	15 47	15 50	2 5	17 15	4 43
W 4	17 30	14 42	0n25	24 19	2 29	0 20	1 36	24 3	0 59	22 51	0 4	22 45	0 8	5 52	0 47	21 40	0 31	7 44	11 50	15 47	15 51	2 3	17 14	4 43
T 5	17 47	11 32	1 27	24 32	2 30	0s 2	1 39	24 7	1 0	22 51	0 4	22 45	0 8	5 52	0 47	21 40	0 31	7 44	11 50	15 47	15 52	2 1	17 13	4 43
F 6	18 3	7 56	2 25	24 44	2 30	0 26	1 43	24 11	1 0	22 51	0 4	22 44	0 8	5 53	0 47	21 40	0 31	7 45	11 50	15 48	15 52	1 59	17 13	4 44
S 7	18 19	4 3	3 16	24 54	2 30	0 49	1 46	24 14	1 0	22 52	0 4	22 44	0 8	5 53	0 47	21 40	0 31	7 46	11 49	15 49	15 53	1 56	17 12	4 44
S 8	18 35	0s 0	3 59	25 3	2 30	1 12	1 49	24 17	1 1	22 52	0 4	22 43	0 9	5 53	0 47	21 40	0 31	7 46	11 49	15 51	15 54	1 54	17 11	4 44
M 9	18 50	4 5	4 31	25 10	2 29	1 36	1 52	24 20	1 1	22 53	0 4	22 42	0 9	5 53	0 47	21 41	0 31	7 47	11 49	15 54	15 55	1 52	17 10	4 44
T 10	19 5	8 2	4 52	25 15	2 27	1 59	1 55	24 23	1 1	22 53	0 4	22 42	0 9	5 53	0 47	21 41	0 31	7 48	11 49	15 58	15 56	1 50	17 10	4 45
W11	19 19	11 44	5 0	25 19	2 24	2 23	1 57	24 26	1 2	22 54	0 5	22 41	0 9	5 53	0 47	21 41	0 31	7 48	11 49	16 2	15 57	1 48	17 9	4 45
T 12	19 34	14 59	4 54	25 21	2 20	2 47	2 0	24 28	1 2	22 54	0 5	22 41	0 9	5 54	0 46	21 41	0 31	7 49	11 49	16 7	15 58	1 46	17 8	4 45
F 13	19 47	17 35	4 33	25 22	2 16	3 11	2 2	24 30	1 2	22 55	0 5	22 40	0 9	5 54	0 46	21 41	0 31	7 49	11 49	16 11	15 59	1 44	17 8	4 45
S 14	20 1	19 23	3 59	25 20	2 10	3 36	2 4	24 31	1 2	22 55	0 5	22 39	0 9	5 54	0 46	21 41	0 31	7 50	11 49	16 14	16 0	1 42	17 7	4 45
S 15	20 14	20 12	3 11	25 17	2 4	4 0	2 7	24 33	1 3	22 56	0 5	22 39	0 9	5 54	0 46	21 41	0 31	7 50	11 49	16 17	16 1	1 40	17 6	4 45
M16	20 27	19 57	2 13	25 13	1 56	4 24	2 9	24 34	1 3	22 56	0 5	22 38	0 9	5 54	0 46	21 41	0 31	7 51	11 49	16 18	16 2	1 37	17 5	4 46
T 17	20 39	18 34	1 7	25 6	1 47	4 49	2 10	24 35	1 3	22 57	0 5	22 38	0 9	5 54	0 46	21 42	0 31	7 52	11 49	16 19	16 3	1 35	17 5	4 46
W18	20 51	16 8	0s 5	24 57	1 37	5 13	2 12	24 35	1 3	22 57	0 6	22 37	0 9	5 54	0 46	21 42	0 31	7 52	11 49	16 19	16 4	1 33	17 4	4 46
T 19	21 3	12 45	1 17	24 47	1 26	5 38	2 14	24 36	1 4	22 58	0 6	22 36	0 9	5 54	0 46	21 42	0 31	7 53	11 49	16 19	16 5	1 31	17 3	4 46
F 20	21 14	8 37	2 26	24 34	1 13	6 2	2 15	24 36	1 4	22 59	0 6	22 36	0 9	5 54	0 46	21 42	0 31	7 53	11 49	16 19	16 6	1 29	17 3	4 46
S 21	21 25	3 56	3 27	24 20	0 58	6 27	2 17	24 35	1 4	22 59	0 6	22 35	0 9	5 54	0 46	21 42	0 31	7 54	11 49	16 20	16 7	1 27	17 2	4 46
S 22	21 35	1n 2	4 15	24 4	0 43	6 51	2 18	24 35	1 4	23 0	0 6	22 34	0 9	5 54	0 46	21 42	0 31	7 54	11 49	16 21	16 8	1 25	17 1	4 46
M23	21 45	5 59	4 48	23 46	0 25	7 16	2 19	24 34	1 4	23 1	0 6	22 33	0 10	5 54	0 46	21 42	0 31	7 55	11 49	16 23	16 9	1 23	17 1	4 47
T 24	21 55	10 37	5 2	23 25	0 7	7 40	2 20	24 33	1 5	23 1	0 6	22 33	0 10	5 53	0 46	21 43	0 31	7 55	11 49	16 26	16 10	1 20	17 0	4 47
W25	22 4	14 35	4 57	23 3	0n12	8 5	2 21	24 31	1 5	23 2	0 7	22 32	0 10	5 53	0 46	21 43	0 31	7 56	11 49	16 29	16 11	1 18	16 59	4 47
T 26	22 13	17 39	4 32	22 40	0 32	8 29	2 21	24 30	1 5	23 3	0 7	22 31	0 10	5 53	0 46	21 43	0 31	7 56	11 49	16 32	16 12	1 16	16 59	4 47
F 27	22 21	19 35	3 51	22 15	0 52	8 53	2 22	24 28	1 5	23 4	0 7	22 30	0 10	5 53	0 46	21 43	0 31	7 57	11 49	16 35	16 12	1 14	16 58	4 47
S 28	22 29	20 18	2 58	21 49	1 12	9 18	2 22	24 25	1 5	23 4	0 7	22 30	0 10	5 53	0 46	21 43	0 31	7 57	11 49	16 37	16 13	1 12	16 57	4 47
S 29	22 36	19 50	1 56	21 22	1 32	9 42	2 23	24 23	1 6	23 5	0 7	22 29	0 10	5 52	0 46	21 44	0 31	7 58	11 49	16 38	16 14	1 10	16 57	4 47
M30	22s43	18n20	0s50	20s55	1n50	10s 6	2n23	24s20	1s 6	23n 6	0n 7	22s28	0s10	5s52	0s46	21n44	0s31	7s58	11n49	16n39	16n15	1n 8	16n56	4s47

Julian Day Number = 2179385.5, Delta T = 11m38s
Ecliptic obliquity = 23°32'03, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'55, Lahiri = 13°27'56 Julian Calendar 1 Nov. 1254 == Greg. Calendar 8 Nov. 1254

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ASTRODIENST EPHEMERIS for the year 1254
geocentric

DECEMBER 1254 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 7 2	16♐17'54	17♌24	14°R12	3♏31	9♑34	12°R 5	18♑13	16♓58	18°R30	26♏39	14°D 8	15♌26	6♎29	7°R29	T 1
W 2	5 10 59	17°19'02	29°39	12♐51	4°42	10°21	11♋58	18°19	16°59	18♋29	26°41	14♌ 9	15°23	6°36	7♊25	W 2
T 3	5 14 55	18°20'11	11♍40	11°36	5°52	11° 8	11°51	18°25	17° 0	18°27	26°44	14°10	15°20	6°43	7°22	T 3
F 4	5 18 52	19°21'20	23°33	10°27	7° 3	11°54	11°44	18°32	17° 0	18°26	26°46	14°R10	15°17	6°49	7°18	F 4
S 5	5 22 48	20°22'30	5♎23	9°27	8°14	12°41	11°37	18°39	17° 1	18°24	26°48	14° 8	15°13	6°56	7°15	S 5
S 6	5 26 45	21°23'41	17°14	8°37	9°25	13°28	11°30	18°45	17° 2	18°23	26°50	14° 5	15°10	7° 3	7°11	S 6
M 7	5 30 42	22°24'52	29°13	7°57	10°36	14°15	11°23	18°52	17° 3	18°21	26°52	13°59	15° 7	7° 9	7° 8	M 7
T 8	5 34 38	23°26'04	11♏21	7°28	11°48	15° 2	11°15	18°58	17° 4	18°20	26°55	13°51	15° 4	7°16	7° 4	T 8
W 9	5 38 35	24°27'16	23°43	7°10	12°59	15°49	11° 8	19° 5	17° 5	18°18	26°57	13°42	15° 1	7°23	7° 1	W 9
T 10	5 42 31	25°28'29	6♐20	7°D 2	14°11	16°36	11° 1	19°12	17° 6	18°17	26°59	13°32	14°58	7°29	6°57	T 10
F 11	5 46 28	26°29'41	19°12	7° 4	15°22	17°23	10°53	19°19	17° 7	18°15	27° 1	13°23	14°54	7°36	6°54	F 11
S 12	5 50 24	27°30'55	2♑20	7°14	16°34	18°10	10°45	19°25	17° 8	18°14	27° 3	13°16	14°51	7°43	6°50	S 12
S 13	5 54 21	28°32'08	15°41	7°33	17°46	18°57	10°38	19°32	17° 9	18°12	27° 5	13°10	14°48	7°49	6°47	S 13
M14	5 58 17	29°33'21	29°13	7°59	18°57	19°44	10°30	19°39	17°11	18°11	27° 7	13° 7	14°45	7°56	6°44	M14
T 15	6 2 14	0♑34'34	12♒56	8°31	20° 9	20°32	10°22	19°46	17°12	18° 9	27° 9	13°D 6	14°42	8° 3	6°40	T 15
W16	6 6 11	1°35'47	26°46	9°10	21°21	21°19	10°14	19°53	17°13	18° 7	27°11	13° 7	14°39	8°10	6°37	W16
T 17	6 10 7	2°36'59	10♓44	9°54	22°33	22° 6	10° 6	20° 0	17°15	18° 6	27°13	13° 9	14°35	8°16	6°34	T 17
F 18	6 14 4	3°38'11	24°47	10°43	23°45	22°53	9°58	20° 7	17°16	18° 4	27°15	13°10	14°32	8°23	6°31	F 18
S 19	6 18 0	4°39'22	8♈55	11°36	24°58	23°40	9°50	20°14	17°18	18° 2	27°17	13°R10	14°29	8°30	6°28	S 19
S 20	6 21 57	5°40'33	23° 6	12°33	26°10	24°28	9°42	20°21	17°19	18° 1	27°19	13° 9	14°26	8°36	6°25	S 20
M21	6 25 53	6°41'44	7♉18	13°33	27°22	25°15	9°34	20°28	17°21	17°59	27°21	13° 6	14°23	8°43	6°22	M21
T 22	6 29 50	7°42'54	21°28	14°36	28°35	26° 2	9°26	20°35	17°22	17°58	27°23	13° 1	14°19	8°50	6°19	T 22
W23	6 33 46	8°44'04	5♊33	15°42	29°47	26°49	9°18	20°42	17°24	17°56	27°25	12°56	14°16	8°56	6°16	W23
T 24	6 37 43	9°45'13	19°29	16°51	1♐ 0	27°37	9°10	20°49	17°26	17°54	27°27	12°50	14°13	9° 3	6°13	T 24
F 25	6 41 40	10°46'21	3♋11	18° 2	2°12	28°24	9° 1	20°56	17°27	17°53	27°29	12°45	14°10	9°10	6°10	F 25
S 26	6 45 36	11°47'30	16°38	19°14	3°25	29°11	8°53	21° 3	17°29	17°51	27°31	12°41	14° 7	9°17	6° 7	S 26
S 27	6 49 33	12°48'37	29°45	20°29	4°38	29°59	8°45	21°10	17°31	17°49	27°33	12°39	14° 4	9°23	6° 5	S 27
M28	6 53 29	13°49'45	12♌34	21°45	5°50	0♒46	8°37	21°17	17°33	17°47	27°34	12°D38	14° 0	9°30	6° 2	M28
T 29	6 57 26	14°50'52	25° 6	23° 2	7° 3	1°33	8°29	21°24	17°35	17°46	27°36	12°39	13°57	9°37	5°59	T 29
W30	7 1 22	15°51'58	7♍21	24°21	8°16	2°21	8°21	21°31	17°37	17°44	27°38	12°40	13°54	9°43	5°57	W30
T 31	7 5 19	16♑53'04	19♍24	25♐41	9♐29	3♒ 8	8♋13	21♑39	17♓39	17♋42	27♏40	12♌42	13♌51	9♎50	5♊54	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s50	15n57	0n18	20s29	2n 7	10s30	2n23	24s17	1s 6	23n 6	0n 8	22s27	0s10	5s52	0s46	21n44	0s31	7s59	11n49	16n39	16n16	1n 6	16n55	4s47
W 2	22 56	12 55	1 22	20 5	2 22	10 53	2 23	24 13	1 6	23 7	0 8	22 27	0 10	5 52	0 46	21 44	0 31	7 59	11 49	16 39	16 17	1 3	16 55	4 47
T 3	23 1	9 24	2 22	19 43	2 35	11 17	2 23	24 10	1 6	23 8	0 8	22 26	0 10	5 51	0 46	21 44	0 31	7 59	11 49	16 39	16 18	1 1	16 54	4 47
F 4	23 6	5 33	3 15	19 23	2 45	11 40	2 23	24 6	1 6	23 9	0 8	22 25	0 10	5 51	0 46	21 44	0 31	8 0	11 49	16 39	16 19	0 59	16 53	4 47
S 5	23 11	1 31	4 0	19 7	2 53	12 3	2 23	24 2	1 6	23 10	0 8	22 24	0 10	5 51	0 46	21 45	0 31	8 0	11 49	16 39	16 20	0 57	16 53	4 47
S 6	23 15	2s35	4 34	18 53	2 58	12 26	2 22	23 57	1 6	23 10	0 8	22 23	0 10	5 50	0 46	21 45	0 31	8 1	11 49	16 40	16 21	0 55	16 52	4 47
M 7	23 19	6 37	4 57	18 44	3 2	12 49	2 22	23 52	1 7	23 11	0 8	22 22	0 10	5 50	0 45	21 45	0 31	8 1	11 49	16 42	16 22	0 53	16 52	4 47
T 8	23 22	10 26	5 6	18 38	3 3	13 12	2 21	23 47	1 7	23 12	0 9	22 21	0 10	5 49	0 45	21 45	0 31	8 1	11 49	16 44	16 23	0 51	16 51	4 47
W 9	23 25	13 54	5 2	18 36	3 3	13 34	2 20	23 42	1 7	23 13	0 9	22 21	0 11	5 49	0 45	21 45	0 31	8 2	11 49	16 47	16 24	0 48	16 51	4 47
T 10	23 27	16 48	4 43	18 36	3 1	13 56	2 20	23 36	1 7	23 13	0 9	22 20	0 11	5 49	0 45	21 46	0 31	8 2	11 50	16 50	16 25	0 46	16 50	4 47
F 11	23 29	18 57	4 9	18 40	2 57	14 18	2 19	23 30	1 7	23 14	0 9	22 19	0 11	5 48	0 45	21 46	0 31	8 3	11 50	16 52	16 26	0 44	16 50	4 47
S 12	23 31	20 9	3 22	18 46	2 53	14 39	2 18	23 24	1 7	23 15	0 9	22 18	0 11	5 48	0 45	21 46	0 31	8 3	11 50	16 54	16 27	0 42	16 49	4 47
S 13	23 32	20 15	2 23	18 54	2 47	15 1	2 17	23 18	1 7	23 16	0 9	22 17	0 11	5 47	0 45	21 46	0 31	8 3	11 50	16 56	16 28	0 40	16 48	4 47
M14	23 32	19 11	1 15	19 5	2 41	15 21	2 15	23 11	1 7	23 17	0 10	22 16	0 11	5 47	0 45	21 47	0 31	8 4	11 50	16 57	16 28	0 38	16 48	4 47
T 15	23 32	16 59	0 1	19 17	2 34	15 42	2 14	23 4	1 7	23 17	0 10	22 15	0 11	5 46	0 45	21 47	0 31	8 4	11 50	16 57	16 29	0 35	16 47	4 47
W16	23 31	13 47	1s14	19 30	2 27	16 2	2 13	22 57	1 7	23 18	0 10	22 14	0 11	5 46	0 45	21 47	0 31	8 4	11 50	16 57	16 30	0 33	16 47	4 47
T 17	23 30	9 48	2 24	19 44	2 19	16 22	2 11	22 49	1 7	23 19	0 10	22 13	0 11	5 45	0 45	21 47	0 31	8 4	11 50	16 56	16 31	0 31	16 47	4 47
F 18	23 29	5 15	3 27	19 59	2 11	16 42	2 10	22 41	1 7	23 20	0 10	22 12	0 11	5 44	0 45	21 47	0 31	8 5	11 51	16 56	16 32	0 29	16 46	4 47
S 19	23 27	0 24	4 17	20 15	2 2	17 1	2 8	22 33	1 7	23 20	0 10	22 11	0 11	5 44	0 45	21 48	0 31	8 5	11 51	16 56	16 33	0 27	16 46	4 47
S 20	23 25	4n29	4 52	20 31	1 53	17 19	2 6	22 25	1 7	23 21	0 10	22 10	0 11	5 43	0 45	21 48	0 31	8 5	11 51	16 56	16 34	0 25	16 45	4 47
M21	23 22	9 7	5 9	20 47	1 45	17 38	2 5	22 16	1 7	23 22	0 11	22 9	0 11	5 42	0 45	21 48	0 31	8 6	11 51	16 57	16 35	0 22	16 45	4 47
T 22	23 19	13 15	5 8	21 3	1 36	17 56	2 3	22 8	1 7	23 23	0 11	22 8	0 11	5 42	0 45	21 48	0 31	8 6	11 51	16 58	16 36	0 20	16 44	4 47
W23	23 15	16 36	4 47	21 19	1 27	18 13	2 1	21 58	1 7	23 23	0 11	22 7	0 12	5 41	0 45	21 49	0 31	8 6	11 51	17 0	16 37	0 18	16 44	4 47
T 24	23 10	18 58	4 10	21 35	1 18	18 30	1 59	21 49	1 7	23 24	0 11	22 6	0 12	5 40	0 45	21 49	0 31	8 6	11 52	17 2	16 38	0 16	16 44	4 46
F 25	23 6	20 11	3 19	21 51	1 9	18 47	1 57	21 40	1 7	23 25	0 11	22 5	0 12	5 40	0 45	21 49	0 31	8 6	11 52	17 3	16 39	0 14	16 43	4 46
S 26	23 1	20 13	2 18	22 6	1 0	19 3	1 55	21 30	1 7	23 25	0 11	22 4	0 12	5 39	0 45	21 49	0 31	8 7	11 52	17 4	16 40	0 12	16 43	4 46
S 27	22 55	19 8	1 10	22 20	0 52	19 18	1 53	21 20	1 7	23 26	0 11	22 3	0 12	5 38	0 45	21 49	0 31	8 7	11 52	17 5	16 40	0 9	16 43	4 46
M28	22 49	17 6	0 0	22 34	0 43	19 33	1 50	21 9	1 7	23 27	0 12	22 2	0 12	5 37	0 45	21 50	0 31	8 7	11 52	17 5	16 41	0 7	16 42	4 46
T 29	22 42	14 16	1n 8	22 47	0 34	19 48	1 48	20 59	1 7	23 27	0 12	22 1	0 12	5 37	0 45	21 50	0 31	8 7	11 53	17 5	16 42	0 5	16 42	4 46
W30	22 35	10 53	2 12	22 59	0 26	20 2	1 46	20 48	1 7	23 28	0 12	22 0	0 12	5 36	0 45	21 50	0 31	8 7	11 53	17 4	16 43	0 3	16 42	4 46
T 31	22s28	7n 6	3n 8	23s10	0n18	20s16	1n43	20s37	1s 7	23n29	0n12	21s59	0s12	5s35	0s45	21n50	0s31	8s 8	11n53	17n 4	16n44	0n 1	16n41	4s46

Julian Day Number = 2179415.5, Delta T = 11m37s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°20'59, Lahiri = 13°28'00 Julian Calendar 1 Dec. 1254 == Greg. Calendar 8 Dec. 1254

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ASTRODIENST EPHEMERIS for the year 1255
geocentric

JANUARY 1255 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 9 15	17♑54'10	1♎19	27♐ 2	10♐42	3♒56	8°R 5	21♑46	17♓41	17°R41	27♏41	12♌44	13♌48	9♎57	5°R52	F 1
S 2	7 13 12	18°55'15	13°10	28°25	11°55	4°43	7♋58	21°53	17°43	17♋39	27°43	12°45	13°45	10° 3	5♊49	S 2
S 3	7 17 9	19°56'20	25° 2	29°48	13° 8	5°30	7°50	22° 0	17°45	17°37	27°45	12°R45	13°41	10°10	5°47	S 3
M 4	7 21 5	20°57'24	7♏ 1	1♑12	14°21	6°18	7°42	22° 7	17°47	17°36	27°46	12°44	13°38	10°17	5°45	M 4
T 5	7 25 2	21°58'28	19°10	2°37	15°34	7° 5	7°34	22°14	17°50	17°34	27°48	12°42	13°35	10°24	5°43	T 5
W 6	7 28 58	22°59'32	1♐34	4° 3	16°47	7°53	7°27	22°21	17°52	17°32	27°49	12°39	13°32	10°30	5°40	W 6
T 7	7 32 55	24° 0'34	14°17	5°30	18° 1	8°40	7°19	22°29	17°54	17°31	27°51	12°36	13°29	10°37	5°38	T 7
F 8	7 36 51	25° 1'37	27°19	6°58	19°14	9°28	7°12	22°36	17°57	17°29	27°53	12°33	13°25	10°44	5°36	F 8
S 9	7 40 48	26° 2'38	10♑42	8°26	20°27	10°15	7° 5	22°43	17°59	17°27	27°54	12°31	13°22	10°50	5°34	S 9
S 10	7 44 44	27° 3'38	24°23	9°55	21°41	11° 3	6°57	22°50	18° 1	17°26	27°55	12°29	13°19	10°57	5°33	S 10
M11	7 48 41	28° 4'38	8♒22	11°25	22°54	11°50	6°50	22°57	18° 4	17°24	27°57	12°D29	13°16	11° 4	5°31	M11
T 12	7 52 38	29° 5'36	22°33	12°56	24° 7	12°38	6°43	23° 4	18° 6	17°22	27°58	12°29	13°13	11°10	5°29	T 12
W13	7 56 34	0♒ 6'33	6♓52	14°27	25°21	13°25	6°36	23°11	18° 9	17°21	28° 0	12°30	13°10	11°17	5°27	W13
T 14	8 0 31	1° 7'29	21°15	15°59	26°34	14°13	6°30	23°19	18°11	17°19	28° 1	12°31	13° 6	11°24	5°26	T 14
F 15	8 4 27	2° 8'24	5♈37	17°32	27°48	15° 0	6°23	23°26	18°14	17°17	28° 2	12°31	13° 3	11°31	5°24	F 15
S 16	8 8 24	3° 9'16	19°55	19° 5	29° 1	15°47	6°16	23°33	18°17	17°16	28° 4	12°32	13° 0	11°37	5°23	S 16
S 17	8 12 20	4°10'08	4♉ 6	20°40	0♑14	16°35	6°10	23°40	18°19	17°14	28° 5	12°R32	12°57	11°44	5°21	S 17
M18	8 16 17	5°10'58	18° 8	22°15	1°28	17°22	6° 4	23°47	18°22	17°12	28° 6	12°32	12°54	11°51	5°20	M18
T 19	8 20 13	6°11'46	1♊59	23°50	2°41	18°10	5°58	23°54	18°25	17°11	28° 7	12°32	12°51	11°57	5°19	T 19
W20	8 24 10	7°12'33	15°39	25°27	3°55	18°57	5°52	24° 1	18°27	17° 9	28° 8	12°31	12°47	12° 4	5°18	W20
T 21	8 28 7	8°13'19	29° 7	27° 4	5° 9	19°45	5°46	24° 8	18°30	17° 8	28°10	12°30	12°44	12°11	5°17	T 21
F 22	8 32 3	9°14'03	12♋22	28°42	6°22	20°32	5°40	24°15	18°33	17° 6	28°11	12°30	12°41	12°17	5°16	F 22
S 23	8 36 0	10°14'45	25°23	0♒21	7°36	21°19	5°35	24°22	18°36	17° 5	28°12	12°30	12°38	12°24	5°15	S 23
S 24	8 39 56	11°15'26	8♌10	2° 1	8°49	22° 7	5°29	24°29	18°39	17° 3	28°13	12°D30	12°35	12°31	5°14	S 24
M25	8 43 53	12°16'06	20°45	3°41	10° 3	22°54	5°24	24°36	18°42	17° 2	28°14	12°R30	12°31	12°38	5°13	M25
T 26	8 47 49	13°16'44	3♍ 6	5°22	11°17	23°41	5°19	24°43	18°45	17° 0	28°15	12°30	12°28	12°44	5°13	T 26
W27	8 51 46	14°17'20	15°17	7° 5	12°30	24°29	5°14	24°50	18°48	16°59	28°16	12°30	12°25	12°51	5°12	W27
T 28	8 55 42	15°17'55	27°18	8°48	13°44	25°16	5°10	24°57	18°51	16°57	28°16	12°29	12°22	12°58	5°11	T 28
F 29	8 59 39	16°18'29	9♎12	10°32	14°58	26° 3	5° 5	25° 3	18°54	16°56	28°17	12°29	12°19	13° 4	5°11	F 29
S 30	9 3 36	17°19'02	21° 4	12°16	16°12	26°51	5° 1	25°10	18°57	16°54	28°18	12°28	12°16	13°11	5°11	S 30
S 31	9 7 32	18♒19'33	2♏56	14♒ 2	17♑25	27♒38	4♋56	25♑17	19♓ 0	16♋53	28♏19	12♌28	12♌12	13♎18	5♊10	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s20	3n 5	3n56	23s21	0n 9	20s29	1n41	20s26	1s 7	23n29	0n12	21s58	0s12	5s34	0s45	21n51	0s31	8s 8	11n53	17n 3	16n45	0s 1	16n41	4s45	F 1
S 2	22 12	1s 0	4 34	23 30	0 1	20 41	1 38	20 14	1 7	23 30	0 12	21 57	0 12	5 33	0 44	21 51	0 31	8 8	11 53	17 3	16 46	0 4	16 41	4 45	S 2
S 3	22 3	5 4	5 0	23 39	0s 6	20 53	1 36	20 3	1 7	23 30	0 12	21 56	0 12	5 32	0 44	21 51	0 31	8 8	11 54	17 3	16 47	0 6	16 41	4 45	S 3
M 4	21 54	8 58	5 13	23 46	0 14	21 4	1 33	19 51	1 7	23 31	0 12	21 55	0 12	5 32	0 44	21 51	0 31	8 8	11 54	17 3	16 48	0 8	16 40	4 45	M 4
T 5	21 44	12 34	5 13	23 52	0 22	21 15	1 30	19 39	1 6	23 32	0 13	21 54	0 12	5 31	0 44	21 52	0 31	8 8	11 54	17 4	16 49	0 10	16 40	4 45	T 5
W 6	21 34	15 41	4 58	23 57	0 29	21 25	1 28	19 26	1 6	23 32	0 13	21 53	0 13	5 30	0 44	21 52	0 31	8 8	11 54	17 5	16 50	0 12	16 40	4 45	W 6
T 7	21 24	18 10	4 28	24 1	0 36	21 35	1 25	19 14	1 6	23 33	0 13	21 52	0 13	5 29	0 44	21 52	0 31	8 8	11 55	17 6	16 51	0 14	16 40	4 44	T 7
F 8	21 13	19 46	3 44	24 4	0 43	21 44	1 22	19 1	1 6	23 33	0 13	21 50	0 13	5 28	0 44	21 52	0 31	8 8	11 55	17 6	16 51	0 17	16 40	4 44	F 8
S 9	21 1	20 20	2 47	24 5	0 50	21 52	1 19	18 48	1 6	23 34	0 13	21 49	0 13	5 27	0 44	21 52	0 31	8 8	11 55	17 7	16 52	0 19	16 39	4 44	S 9
S 10	20 50	19 43	1 38	24 6	0 56	22 0	1 16	18 35	1 6	23 34	0 13	21 48	0 13	5 26	0 44	21 53	0 31	8 8	11 55	17 7	16 53	0 21	16 39	4 44	S 10
M11	20 38	17 53	0 23	24 5	1 2	22 7	1 14	18 22	1 6	23 35	0 13	21 47	0 13	5 25	0 44	21 53	0 31	8 9	11 56	17 8	16 54	0 23	16 39	4 44	M11
T 12	20 25	14 56	0s55	24 2	1 8	22 14	1 11	18 8	1 6	23 35	0 13	21 46	0 13	5 24	0 44	21 53	0 31	8 9	11 56	17 8	16 55	0 25	16 39	4 43	T 12
W13	20 12	11 3	2 11	23 58	1 14	22 19	1 8	17 54	1 5	23 36	0 14	21 45	0 13	5 23	0 44	21 53	0 31	8 9	11 56	17 7	16 56	0 28	16 39	4 43	W13
T 14	19 59	6 31	3 19	23 53	1 19	22 25	1 5	17 40	1 5	23 36	0 14	21 44	0 13	5 22	0 44	21 54	0 31	8 9	11 56	17 7	16 57	0 30	16 39	4 43	T 14
F 15	19 46	1 38	4 14	23 47	1 25	22 29	1 2	17 26	1 5	23 37	0 14	21 43	0 13	5 21	0 44	21 54	0 31	8 9	11 57	17 7	16 58	0 32	16 39	4 43	F 15
S 16	19 32	3n18	4 53	23 39	1 30	22 33	0 59	17 12	1 5	23 37	0 14	21 41	0 13	5 20	0 44	21 54	0 31	8 9	11 57	17 7	16 59	0 34	16 39	4 43	S 16
S 17	19 17	8 1	5 14	23 29	1 34	22 36	0 56	16 57	1 5	23 37	0 14	21 40	0 13	5 19	0 44	21 54	0 31	8 9	11 57	17 7	17 0	0 36	16 39	4 42	S 17
M18	19 3	12 15	5 16	23 19	1 39	22 39	0 53	16 43	1 5	23 38	0 14	21 39	0 13	5 18	0 44	21 55	0 31	8 9	11 58	17 7	17 1	0 38	16 39	4 42	M18
T 19	18 48	15 45	4 59	23 6	1 43	22 41	0 50	16 28	1 4	23 38	0 14	21 38	0 13	5 16	0 44	21 55	0 31	8 9	11 58	17 7	17 1	0 41	16 39	4 42	T 19
W20	18 33	18 21	4 26	22 53	1 46	22 42	0 47	16 13	1 4	23 39	0 14	21 37	0 14	5 15	0 44	21 55	0 31	8 8	11 58	17 7	17 2	0 43	16 39	4 42	W20
T 21	18 17	19 54	3 38	22 37	1 50	22 42	0 44	15 58	1 4	23 39	0 15	21 36	0 14	5 14	0 44	21 55	0 31	8 8	11 58	17 7	17 3	0 45	16 39	4 41	T 21
F 22	18 1	20 18	2 40	22 21	1 53	22 42	0 41	15 43	1 4	23 39	0 15	21 34	0 14	5 13	0 44	21 55	0 31	8 8	11 59	17 7	17 4	0 47	16 39	4 41	F 22
S 23	17 45	19 37	1 34	22 2	1 56	22 41	0 37	15 27	1 3	23 40	0 15	21 33	0 14	5 12	0 44	21 56	0 31	8 8	11 59	17 7	17 5	0 49	16 39	4 41	S 23
S 24	17 28	17 55	0 24	21 43	1 58	22 40	0 34	15 11	1 3	23 40	0 15	21 32	0 14	5 11	0 44	21 56	0 31	8 8	11 59	17 7	17 6	0 52	16 39	4 41	S 24
M25	17 11	15 21	0n46	21 21	2 0	22 38	0 31	14 56	1 3	23 40	0 15	21 31	0 14	5 10	0 44	21 56	0 31	8 8	12 0	17 7	17 7	0 54	16 39	4 41	M25
T 26	16 54	12 9	1 52	20 58	2 2	22 35	0 28	14 40	1 3	23 41	0 15	21 30	0 14	5 8	0 44	21 56	0 31	8 8	12 0	17 7	17 8	0 56	16 39	4 40	T 26
W27	16 36	8 28	2 52	20 34	2 3	22 31	0 25	14 24	1 2	23 41	0 15	21 29	0 14	5 7	0 44	21 56	0 31	8 8	12 0	17 7	17 9	0 58	16 40	4 40	W27
T 28	16 19	4 30	3 44	20 8	2 4	22 27	0 22	14 8	1 2	23 41	0 15	21 28	0 14	5 6	0 44	21 57	0 31	8 8	12 1	17 7	17 10	1 0	16 40	4 40	T 28
F 29	16 1	0 24	4 25	19 40	2 5	22 22	0 19	13 51	1 2	23 42	0 15	21 26	0 14	5 5	0 44	21 57	0 31	8 8	12 1	17 8	17 10	1 3	16 40	4 40	F 29
S 30	15 42	3s41	4 55	19 11	2 5	22 17	0 16	13 35	1 2	23 42	0 15	21 25	0 14	5 4	0 44	21 57	0 31	8 8	12 1	17 8	17 11	1 5	16 40	4 39	S 30
S 31	15s24	7s38	5n13	18s40	2s 4	22s11	0n13	13s18	1s 1	23n42	0n16	21s24	0s14	5s 3	0s44	21n57	0s31	8s 7	12n 2	17n 8	17n12	1s 7	16n40	4s39	S 31

Julian Day Number = 2179446.5, Delta T = 11m37s
Ecliptic obliquity = 23°32'03, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'04, Lahiri = 13°28'04 Julian Calendar 1 Jan. 1255 == Greg. Calendar 8 Jan. 1255

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ASTRODIENST EPHEMERIS for the year 1255
geocentric

FEBRUARY 1255 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 11 29	19♒20'03	14♏54	15♒49	18♑39	28♒25	4°R52	25♑24	19♓ 3	16°R51	28♏20	12°D27	12♌ 9	13♎25	5°R10	M 1
T 2	9 15 25	20°20'31	27° 1	17°36	19°53	29°13	4♋49	25°31	19° 6	16♋50	28°20	12♌27	12° 6	13°31	5♊10	T 2
W 3	9 19 22	21°20'58	9♐23	19°25	21° 7	29°59	4°45	25°37	19° 9	16°49	28°21	12°28	12° 3	13°38	5°D10	W 3
T 4	9 23 18	22°21'24	22° 3	21°14	22°20	0♓47	4°42	25°44	19°12	16°47	28°22	12°29	12° 0	13°45	5°10	T 4
F 5	9 27 15	23°21'48	5♑ 5	23° 5	23°34	1°34	4°38	25°51	19°15	16°46	28°22	12°30	11°57	13°51	5°10	F 5
S 6	9 31 11	24°22'11	18°32	24°56	24°48	2°21	4°35	25°57	19°18	16°45	28°23	12°31	11°53	13°58	5°10	S 6
S 7	9 35 8	25°22'32	2♒24	26°48	26° 2	3° 9	4°32	26° 4	19°22	16°44	28°24	12°31	11°50	14° 5	5°10	S 7
M 8	9 39 5	26°22'52	16°38	28°40	27°16	3°56	4°30	26°10	19°25	16°42	28°24	12°R32	11°47	14°11	5°11	M 8
T 9	9 43 1	27°23'10	1♓12	0♓34	28°30	4°43	4°27	26°17	19°28	16°41	28°25	12°31	11°44	14°18	5°11	T 9
W10	9 46 58	28°23'26	15°59	2°28	29°44	5°30	4°25	26°23	19°31	16°40	28°25	12°30	11°41	14°25	5°12	W10
T 11	9 50 54	29°23'40	0♈51	4°23	0♒57	6°17	4°23	26°30	19°35	16°39	28°25	12°28	11°37	14°32	5°12	T 11
F 12	9 54 51	0♓23'52	15°40	6°18	2°11	7° 4	4°21	26°36	19°38	16°38	28°26	12°25	11°34	14°38	5°13	F 12
S 13	9 58 47	1°24'02	0♉20	8°13	3°25	7°51	4°19	26°42	19°41	16°37	28°26	12°23	11°31	14°45	5°14	S 13
S 14	10 2 44	2°24'09	14°44	10° 9	4°39	8°38	4°17	26°49	19°44	16°35	28°26	12°21	11°28	14°52	5°14	S 14
M15	10 6 40	3°24'15	28°50	12° 4	5°53	9°25	4°16	26°55	19°48	16°34	28°27	12°D20	11°25	14°58	5°15	M15
T 16	10 10 37	4°24'19	12♊36	14° 0	7° 7	10°12	4°15	27° 1	19°51	16°33	28°27	12°21	11°22	15° 5	5°16	T 16
W17	10 14 34	5°24'20	26° 3	15°54	8°21	10°59	4°14	27° 7	19°54	16°32	28°27	12°22	11°18	15°12	5°17	W17
T 18	10 18 30	6°24'19	9♋12	17°48	9°34	11°46	4°13	27°13	19°58	16°31	28°27	12°23	11°15	15°19	5°18	T 18
F 19	10 22 27	7°24'16	22° 5	19°40	10°48	12°33	4°13	27°19	20° 1	16°30	28°28	12°25	11°12	15°25	5°20	F 19
S 20	10 26 23	8°24'10	4♌44	21°31	12° 2	13°20	4°12	27°25	20° 4	16°30	28°28	12°26	11° 9	15°32	5°21	S 20
S 21	10 30 20	9°24'03	17°12	23°20	13°16	14° 6	4°D12	27°31	20° 8	16°29	28°28	12°R26	11° 6	15°39	5°22	S 21
M22	10 34 16	10°23'53	29°30	25° 6	14°30	14°53	4°12	27°37	20°11	16°28	28°R28	12°25	11° 3	15°45	5°24	M22
T 23	10 38 13	11°23'42	11♍39	26°49	15°44	15°40	4°13	27°43	20°15	16°27	28°28	12°22	10°59	15°52	5°25	T 23
W24	10 42 9	12°23'28	23°41	28°29	16°58	16°27	4°13	27°49	20°18	16°26	28°28	12°18	10°56	15°59	5°27	W24
T 25	10 46 6	13°23'12	5♎38	0♈ 4	18°12	17°13	4°14	27°55	20°21	16°25	28°28	12°13	10°53	16° 6	5°28	T 25
F 26	10 50 3	14°22'55	17°31	1°35	19°25	18° 0	4°14	28° 0	20°25	16°25	28°28	12° 7	10°50	16°12	5°30	F 26
S 27	10 53 59	15°22'35	29°23	3° 2	20°39	18°46	4°15	28° 6	20°28	16°24	28°27	12° 1	10°47	16°19	5°32	S 27
S 28	10 57 56	16♓22'14	11♏15	4♈22	21♒53	19♓33	4♋17	28♑11	20♓32	16♋23	28♏27	11♌55	10♌43	16♎26	5♊34	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s 5	11s19	5n17	18s 7	2s 4	22s 4	0n10	13s 1	1s 1	23n42	0n16	21s23	0s15	5s 1	0s44	21n57	0s31	8s 7	12n 2	17n 8	17n13	1s 9	16n40	4s39
T 2	14 46	14 35	5 7	17 33	2 2	21 56	0 7	12 45	1 1	23 43	0 16	21 22	0 15	5 0	0 44	21 58	0 31	8 7	12 2	17 8	17 14	1 11	16 41	4 39
W 3	14 26	17 17	4 43	16 58	2 1	21 48	0 4	12 28	1 1	23 43	0 16	21 21	0 15	4 59	0 44	21 58	0 31	8 7	12 3	17 8	17 15	1 14	16 41	4 38
T 4	14 7	19 13	4 5	16 21	1 58	21 39	0 1	12 11	1 0	23 43	0 16	21 19	0 15	4 58	0 44	21 58	0 31	8 7	12 3	17 8	17 16	1 16	16 41	4 38
F 5	13 47	20 13	3 13	15 42	1 55	21 30	0s 2	11 53	1 0	23 43	0 16	21 18	0 15	4 56	0 44	21 58	0 31	8 7	12 3	17 7	17 17	1 18	16 41	4 38
S 6	13 27	20 7	2 9	15 1	1 52	21 20	0 5	11 36	1 0	23 43	0 16	21 17	0 15	4 55	0 44	21 58	0 31	8 6	12 4	17 7	17 18	1 20	16 42	4 38
S 7	13 7	18 48	0 56	14 20	1 48	21 9	0 8	11 19	0 59	23 44	0 16	21 16	0 15	4 54	0 44	21 59	0 31	8 6	12 4	17 7	17 18	1 23	16 42	4 37
M 8	12 46	16 16	0s23	13 36	1 44	20 58	0 11	11 1	0 59	23 44	0 16	21 15	0 15	4 52	0 44	21 59	0 31	8 6	12 4	17 7	17 19	1 25	16 42	4 37
T 9	12 26	12 40	1 42	12 51	1 39	20 46	0 13	10 44	0 59	23 44	0 16	21 14	0 15	4 51	0 44	21 59	0 31	8 6	12 4	17 7	17 20	1 27	16 43	4 37
W10	12 5	8 14	2 55	12 5	1 33	20 33	0 16	10 26	0 58	23 44	0 16	21 13	0 15	4 50	0 44	21 59	0 31	8 5	12 5	17 7	17 21	1 29	16 43	4 36
T 11	11 44	3 16	3 56	11 18	1 27	20 20	0 19	10 8	0 58	23 44	0 17	21 11	0 15	4 49	0 44	21 59	0 31	8 5	12 5	17 8	17 22	1 31	16 43	4 36
F 12	11 23	1n51	4 42	10 29	1 20	20 6	0 22	9 50	0 58	23 44	0 17	21 10	0 15	4 47	0 43	21 59	0 31	8 5	12 5	17 9	17 23	1 34	16 44	4 36
S 13	11 1	6 49	5 8	9 39	1 13	19 52	0 24	9 33	0 57	23 44	0 17	21 9	0 16	4 46	0 43	22 0	0 30	8 5	12 6	17 9	17 24	1 36	16 44	4 36
S 14	10 40	11 18	5 15	8 48	1 5	19 37	0 27	9 15	0 57	23 45	0 17	21 8	0 16	4 45	0 43	22 0	0 30	8 4	12 6	17 10	17 25	1 38	16 44	4 35
M15	10 18	15 3	5 3	7 55	0 56	19 21	0 30	8 56	0 57	23 45	0 17	21 7	0 16	4 43	0 43	22 0	0 30	8 4	12 6	17 10	17 26	1 40	16 45	4 35
T 16	9 56	17 53	4 33	7 3	0 47	19 5	0 32	8 38	0 56	23 45	0 17	21 6	0 16	4 42	0 43	22 0	0 30	8 4	12 7	17 10	17 26	1 42	16 45	4 35
W17	9 34	19 40	3 48	6 9	0 37	18 49	0 35	8 20	0 56	23 45	0 17	21 5	0 16	4 41	0 43	22 0	0 30	8 4	12 7	17 10	17 27	1 45	16 46	4 35
T 18	9 12	20 20	2 53	5 15	0 27	18 31	0 37	8 2	0 55	23 45	0 17	21 4	0 16	4 39	0 43	22 0	0 30	8 3	12 7	17 9	17 28	1 47	16 46	4 34
F 19	8 50	19 55	1 50	4 21	0 16	18 14	0 40	7 44	0 55	23 45	0 17	21 2	0 16	4 38	0 43	22 0	0 30	8 3	12 8	17 9	17 29	1 49	16 47	4 34
S 20	8 27	18 28	0 42	3 26	0 4	17 56	0 42	7 25	0 55	23 45	0 17	21 1	0 16	4 37	0 43	22 1	0 30	8 3	12 8	17 8	17 30	1 51	16 47	4 34
S 21	8 5	16 9	0n26	2 32	0n 8	17 37	0 45	7 7	0 54	23 45	0 17	21 0	0 16	4 35	0 43	22 1	0 30	8 3	12 8	17 8	17 31	1 54	16 48	4 34
M22	7 42	13 8	1 32	1 39	0 20	17 18	0 47	6 48	0 54	23 45	0 17	20 59	0 16	4 34	0 43	22 1	0 30	8 2	12 9	17 9	17 32	1 56	16 48	4 33
T 23	7 19	9 35	2 33	0 46	0 33	16 58	0 49	6 30	0 53	23 45	0 17	20 58	0 16	4 33	0 43	22 1	0 30	8 2	12 9	17 10	17 33	1 58	16 49	4 33
W24	6 56	5 41	3 27	0n 5	0 46	16 38	0 51	6 11	0 53	23 46	0 18	20 57	0 17	4 31	0 43	22 1	0 30	8 2	12 9	17 11	17 33	2 0	16 49	4 33
T 25	6 33	1 35	4 11	0 56	0 59	16 17	0 54	5 52	0 53	23 46	0 18	20 56	0 17	4 30	0 43	22 1	0 30	8 1	12 10	17 12	17 34	2 2	16 50	4 33
F 26	6 10	2s32	4 43	1 44	1 12	15 56	0 56	5 34	0 52	23 46	0 18	20 55	0 17	4 29	0 43	22 1	0 30	8 1	12 10	17 14	17 35	2 5	16 50	4 32
S 27	5 47	6 33	5 4	2 31	1 25	15 34	0 58	5 15	0 52	23 46	0 18	20 54	0 17	4 27	0 43	22 1	0 30	8 1	12 10	17 16	17 36	2 7	16 51	4 32
S 28	5s24	10s20	5n11	3n15	1n38	15s12	1s 0	4s56	0s51	23n46	0n18	20s53	0s17	4s26	0s43	22n 2	0s30	8s 0	12n11	17n17	17n37	2s 9	16n51	4s32

Julian Day Number = 2179477.5, Delta T = 11m37s
Ecliptic obliquity = 23°32'03, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'08, Lahiri = 13°28'08 Julian Calendar 1 Feb. 1255 == Greg. Calendar 8 Feb. 1255

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ASTRODIENST EPHEMERIS for the year 1255
geocentric

MARCH 1255 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 1 52	17♓21'51	23♏13	5♈37	23♒ 7	20♓20	4♋18	28♑17	20♓35	16°R23	28°R27	11°R51	10♌40	16♎32	5♊36	M 1
T 2	11 5 49	18°21'26	5♐18	6°46	24°21	21° 6	4°20	28°22	20°39	16♋22	28♏27	11♌49	10°37	16°39	5°38	T 2
W 3	11 9 45	19°20'59	17°36	7°48	25°35	21°52	4°21	28°28	20°42	16°21	28°26	11°D48	10°34	16°46	5°40	W 3
T 4	11 13 42	20°20'31	0♑11	8°43	26°49	22°39	4°23	28°33	20°45	16°21	28°26	11°48	10°31	16°52	5°42	T 4
F 5	11 17 38	21°20'01	13° 8	9°31	28° 3	23°25	4°25	28°38	20°49	16°20	28°26	11°49	10°28	16°59	5°44	F 5
S 6	11 21 35	22°19'29	26°29	10°11	29°17	24°12	4°28	28°44	20°52	16°20	28°25	11°51	10°24	17° 6	5°46	S 6
S 7	11 25 32	23°18'55	10♒19	10°44	0♓31	24°58	4°30	28°49	20°56	16°19	28°25	11°R52	10°21	17°13	5°49	S 7
M 8	11 29 28	24°18'19	24°35	11° 9	1°44	25°44	4°33	28°54	20°59	16°19	28°25	11°51	10°18	17°19	5°51	M 8
T 9	11 33 25	25°17'41	9♓17	11°27	2°58	26°31	4°36	28°59	21° 3	16°18	28°24	11°48	10°15	17°26	5°54	T 9
W10	11 37 21	26°17'02	24°19	11°37	4°12	27°17	4°39	29° 4	21° 6	16°18	28°24	11°44	10°12	17°33	5°56	W10
T 11	11 41 18	27°16'20	9♈31	11°R39	5°26	28° 3	4°42	29° 9	21° 9	16°18	28°23	11°37	10° 8	17°39	5°59	T 11
F 12	11 45 14	28°15'36	24°42	11°34	6°40	28°49	4°46	29°13	21°13	16°17	28°23	11°30	10° 5	17°46	6° 1	F 12
S 13	11 49 11	29°14'50	9♉44	11°22	7°54	29°35	4°49	29°18	21°16	16°17	28°22	11°23	10° 2	17°53	6° 4	S 13
S 14	11 53 7	0♈14'01	24°27	11° 3	9° 8	0♈21	4°53	29°23	21°20	16°17	28°21	11°17	9°59	18° 0	6° 7	S 14
M15	11 57 4	1°13'10	8♊46	10°38	10°22	1° 7	4°57	29°27	21°23	16°17	28°21	11°13	9°56	18° 6	6°10	M15
T 16	12 1 0	2°12'17	22°38	10° 8	11°36	1°53	5° 1	29°32	21°26	16°17	28°20	11°11	9°53	18°13	6°13	T 16
W17	12 4 57	3°11'22	6♋ 5	9°33	12°49	2°39	5° 5	29°36	21°30	16°16	28°19	11°D10	9°49	18°20	6°16	W17
T 18	12 8 54	4°10'24	19° 7	8°54	14° 3	3°25	5°10	29°41	21°33	16°16	28°19	11°11	9°46	18°26	6°19	T 18
F 19	12 12 50	5° 9'24	1♌50	8°11	15°17	4°11	5°15	29°45	21°37	16°16	28°18	11°12	9°43	18°33	6°22	F 19
S 20	12 16 47	6° 8'21	14°16	7°26	16°31	4°56	5°19	29°49	21°40	16°16	28°17	11°R13	9°40	18°40	6°25	S 20
S 21	12 20 43	7° 7'17	26°31	6°40	17°45	5°42	5°24	29°53	21°43	16°D16	28°16	11°11	9°37	18°47	6°28	S 21
M22	12 24 40	8° 6'09	8♍36	5°53	18°59	6°28	5°30	29°57	21°47	16°16	28°15	11° 8	9°34	18°53	6°32	M22
T 23	12 28 36	9° 5'00	20°35	5° 6	20°12	7°13	5°35	0♒ 1	21°50	16°16	28°14	11° 1	9°30	19° 0	6°35	T 23
W24	12 32 33	10° 3'49	2♎30	4°21	21°26	7°59	5°40	0° 5	21°53	16°16	28°13	10°53	9°27	19° 7	6°39	W24
T 25	12 36 29	11° 2'35	14°23	3°37	22°40	8°45	5°46	0° 9	21°56	16°16	28°12	10°42	9°24	19°13	6°42	T 25
F 26	12 40 26	12° 1'20	26°15	2°57	23°54	9°30	5°52	0°13	22° 0	16°17	28°11	10°31	9°21	19°20	6°46	F 26
S 27	12 44 23	13° 0'02	8♏ 8	2°20	25° 8	10°15	5°58	0°16	22° 3	16°17	28°10	10°19	9°18	19°27	6°49	S 27
S 28	12 48 19	13°58'43	20° 3	1°46	26°21	11° 1	6° 4	0°20	22° 6	16°17	28° 9	10° 8	9°14	19°34	6°53	S 28
M29	12 52 16	14°57'22	2♐ 4	1°17	27°35	11°46	6°10	0°23	22°10	16°17	28° 8	9°58	9°11	19°40	6°56	M29
T 30	12 56 12	15°55'59	14°11	0°53	28°49	12°32	6°16	0°27	22°13	16°18	28° 7	9°51	9° 8	19°47	7° 0	T 30
W31	13 0 9	16♈54'35	26♐29	0♈33	0♈ 3	13♈17	6♋23	0♒30	22♓16	16♋18	28♏ 6	9♌47	9♌ 5	19♎54	7♊ 4	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s 1	13s43	5n 5	3n56	1n51	14s50	1s 2	4s38	0s51	23n46	0n18	20s52	0s17	4s25	0s43	22n 2	0s30	8s 0	12n11	17n18	17n38	2s11	16n52	4s32
T 2	4 37	16 35	4 46	4 35	2 4	14 27	1 4	4 19	0 50	23 46	0 18	20 51	0 17	4 23	0 43	22 2	0 30	8 0	12 11	17 19	17 39	2 14	16 52	4 31
W 3	4 14	18 45	4 13	5 11	2 16	14 4	1 5	4 0	0 50	23 46	0 18	20 50	0 17	4 22	0 43	22 2	0 30	7 59	12 12	17 19	17 39	2 16	16 53	4 31
T 4	3 50	20 5	3 27	5 43	2 27	13 41	1 7	3 41	0 49	23 46	0 18	20 49	0 17	4 20	0 43	22 2	0 30	7 59	12 12	17 19	17 40	2 18	16 54	4 31
F 5	3 27	20 24	2 30	6 12	2 38	13 17	1 9	3 22	0 49	23 46	0 18	20 48	0 17	4 19	0 43	22 2	0 30	7 58	12 12	17 19	17 41	2 20	16 54	4 31
S 6	3 3	19 35	1 23	6 37	2 48	12 52	1 10	3 3	0 49	23 46	0 18	20 47	0 17	4 18	0 43	22 2	0 30	7 58	12 13	17 18	17 42	2 23	16 55	4 30
S 7	2 40	17 36	0 8	6 58	2 57	12 28	1 12	2 45	0 48	23 46	0 18	20 46	0 18	4 16	0 43	22 2	0 30	7 58	12 13	17 18	17 43	2 25	16 56	4 30
M 8	2 16	14 27	1s 9	7 16	3 5	12 3	1 14	2 26	0 48	23 46	0 18	20 45	0 18	4 15	0 43	22 2	0 30	7 57	12 13	17 18	17 44	2 27	16 56	4 30
T 9	1 53	10 19	2 23	7 29	3 12	11 37	1 15	2 7	0 47	23 46	0 18	20 44	0 18	4 14	0 43	22 2	0 30	7 57	12 13	17 19	17 45	2 29	16 57	4 30
W10	1 29	5 28	3 29	7 38	3 17	11 12	1 16	1 48	0 47	23 46	0 18	20 43	0 18	4 12	0 43	22 2	0 30	7 57	12 14	17 20	17 46	2 31	16 57	4 30
T 11	1 5	0 13	4 21	7 43	3 21	10 46	1 18	1 29	0 46	23 45	0 18	20 42	0 18	4 11	0 43	22 3	0 30	7 56	12 14	17 22	17 46	2 34	16 58	4 29
F 12	0 42	5n 2	4 55	7 43	3 24	10 19	1 19	1 10	0 46	23 45	0 19	20 41	0 18	4 10	0 43	22 3	0 30	7 56	12 14	17 24	17 47	2 36	16 59	4 29
S 13	0 18	9 55	5 8	7 40	3 25	9 53	1 20	0 51	0 45	23 45	0 19	20 40	0 18	4 8	0 43	22 3	0 30	7 55	12 15	17 26	17 48	2 38	16 59	4 29
S 14	0n 6	14 7	5 0	7 32	3 25	9 26	1 21	0 33	0 45	23 45	0 19	20 40	0 18	4 7	0 43	22 3	0 30	7 55	12 15	17 28	17 49	2 40	17 0	4 29
M15	0 29	17 21	4 33	7 20	3 23	8 59	1 23	0 14	0 44	23 45	0 19	20 39	0 18	4 6	0 43	22 3	0 30	7 55	12 15	17 29	17 50	2 43	17 1	4 28
T 16	0 53	19 29	3 51	7 5	3 19	8 32	1 24	0n 5	0 44	23 45	0 19	20 38	0 18	4 4	0 43	22 3	0 30	7 54	12 15	17 29	17 51	2 45	17 2	4 28
W17	1 16	20 26	2 57	6 46	3 14	8 4	1 25	0 24	0 43	23 45	0 19	20 37	0 19	4 3	0 43	22 3	0 30	7 54	12 16	17 29	17 52	2 47	17 2	4 28
T 18	1 40	20 15	1 56	6 24	3 7	7 37	1 25	0 43	0 43	23 45	0 19	20 36	0 19	4 2	0 43	22 3	0 30	7 53	12 16	17 29	17 52	2 49	17 3	4 28
F 19	2 3	19 1	0 50	5 59	2 58	7 9	1 26	1 1	0 42	23 45	0 19	20 35	0 19	4 0	0 43	22 3	0 30	7 53	12 16	17 29	17 53	2 52	17 4	4 28
S 20	2 27	16 53	0n16	5 32	2 48	6 41	1 27	1 20	0 42	23 45	0 19	20 35	0 19	3 59	0 43	22 3	0 30	7 52	12 16	17 29	17 54	2 54	17 4	4 27
S 21	2 50	14 0	1 21	5 3	2 37	6 12	1 28	1 39	0 41	23 44	0 19	20 34	0 19	3 58	0 43	22 3	0 30	7 52	12 17	17 29	17 55	2 56	17 5	4 27
M22	3 14	10 34	2 21	4 33	2 24	5 44	1 28	1 57	0 41	23 44	0 19	20 33	0 19	3 56	0 43	22 3	0 30	7 52	12 17	17 30	17 56	2 58	17 6	4 27
T 23	3 37	6 43	3 14	4 1	2 10	5 15	1 29	2 16	0 40	23 44	0 19	20 32	0 19	3 55	0 43	22 3	0 29	7 51	12 17	17 32	17 57	3 1	17 7	4 27
W24	4 0	2 39	3 59	3 30	1 55	4 46	1 29	2 34	0 40	23 44	0 19	20 32	0 19	3 54	0 43	22 3	0 29	7 51	12 17	17 34	17 57	3 3	17 7	4 27
T 25	4 23	1s31	4 32	2 58	1 40	4 18	1 30	2 53	0 39	23 44	0 19	20 31	0 19	3 52	0 43	22 3	0 29	7 50	12 18	17 37	17 58	3 5	17 8	4 26
F 26	4 46	5 36	4 54	2 27	1 24	3 49	1 30	3 11	0 38	23 44	0 19	20 30	0 20	3 51	0 43	22 3	0 29	7 50	12 18	17 40	17 59	3 7	17 9	4 26
S 27	5 9	9 30	5 3	1 58	1 7	3 19	1 30	3 30	0 38	23 43	0 19	20 30	0 20	3 50	0 43	22 3	0 29	7 50	12 18	17 44	18 0	3 10	17 10	4 26
S 28	5 32	13 2	4 58	1 29	0 51	2 50	1 30	3 48	0 37	23 43	0 19	20 29	0 20	3 49	0 43	22 3	0 29	7 49	12 18	17 47	18 1	3 12	17 10	4 26
M29	5 55	16 4	4 41	1 2	0 35	2 21	1 31	4 6	0 37	23 43	0 19	20 28	0 20	3 47	0 43	22 3	0 29	7 49	12 18	17 49	18 2	3 14	17 11	4 26
T 30	6 18	18 26	4 11	0 38	0 18	1 51	1 31	4 25	0 36	23 43	0 20	20 28	0 20	3 46	0 43	22 3	0 29	7 48	12 19	17 51	18 3	3 16	17 12	4 26
W31	6n40	20s 1	3n29	0n15	0n 2	1s22	1s31	4n43	0s36	23n42	0n20	20s27	0s20	3s45	0s43	22n 3	0s29	7s48	12n19	17n52	18n 3	3s18	17n13	4s25

Julian Day Number = 2179505.5, Delta T = 11m37s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'12, Lahiri = 13°28'12 Julian Calendar 1 March 1255 == Greg. Calendar 8 March 1255

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ASTRODIENST EPHEMERIS for the year 1255
geocentric

APRIL 1255 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 4 5	17♈53'08	9♉ 2	0°R18	1♈17	14♈ 2	6♋29	0♒33	22♓19	16♋18	28°R 5	9°R45	9♌ 2	20♎ 0	7♊ 8	T 1
F 2	13 8 2	18°51'40	21°54	0♈ 9	2°30	14°47	6°36	0°36	22°22	16°19	28♏ 4	9°D45	8°59	20° 7	7°12	F 2
S 3	13 11 58	19°50'11	5♒ 8	0°D 5	3°44	15°32	6°43	0°39	22°25	16°19	28° 3	9°R45	8°55	20°14	7°16	S 3
S 4	13 15 55	20°48'40	18°48	0° 5	4°58	16°17	6°50	0°42	22°29	16°20	28° 2	9♌45	8°52	20°21	7°20	S 4
M 5	13 19 52	21°47'07	2♓57	0°11	6°12	17° 2	6°57	0°45	22°32	16°20	28° 0	9°43	8°49	20°27	7°24	M 5
T 6	13 23 48	22°45'32	17°33	0°22	7°26	17°47	7° 5	0°48	22°35	16°21	27°59	9°39	8°46	20°34	7°28	T 6
W 7	13 27 45	23°43'56	2♈32	0°37	8°39	18°32	7°12	0°51	22°38	16°21	27°58	9°32	8°43	20°41	7°32	W 7
T 8	13 31 41	24°42'18	17°46	0°57	9°53	19°17	7°20	0°53	22°41	16°22	27°57	9°23	8°39	20°47	7°36	T 8
F 9	13 35 38	25°40'38	3♉ 6	1°22	11° 7	20° 2	7°28	0°56	22°44	16°22	27°55	9°12	8°36	20°54	7°40	F 9
S 10	13 39 34	26°38'56	18°19	1°51	12°21	20°47	7°36	0°58	22°47	16°23	27°54	9° 2	8°33	21° 1	7°45	S 10
S 11	13 43 31	27°37'13	3♊15	2°24	13°34	21°31	7°44	1° 1	22°50	16°24	27°53	8°52	8°30	21° 8	7°49	S 11
M12	13 47 27	28°35'27	17°46	3° 1	14°48	22°16	7°52	1° 3	22°53	16°24	27°51	8°45	8°27	21°14	7°53	M12
T 13	13 51 24	29°33'39	1♋49	3°41	16° 2	23° 1	8° 0	1° 5	22°56	16°25	27°50	8°40	8°24	21°21	7°58	T 13
W14	13 55 20	0♉31'50	15°21	4°26	17°16	23°45	8° 8	1° 7	22°59	16°26	27°49	8°38	8°20	21°28	8° 2	W14
T 15	13 59 17	1°29'58	28°27	5°14	18°29	24°30	8°17	1° 9	23° 1	16°27	27°47	8°38	8°17	21°34	8° 6	T 15
F 16	14 3 14	2°28'05	11♌ 8	6° 5	19°43	25°14	8°26	1°11	23° 4	16°28	27°46	8°38	8°14	21°41	8°11	F 16
S 17	14 7 10	3°26'09	23°31	7° 0	20°57	25°59	8°34	1°13	23° 7	16°29	27°44	8°37	8°11	21°48	8°16	S 17
S 18	14 11 7	4°24'11	5♍40	7°57	22°11	26°43	8°43	1°14	23°10	16°29	27°43	8°35	8° 8	21°55	8°20	S 18
M19	14 15 3	5°22'12	17°39	8°58	23°24	27°27	8°52	1°16	23°13	16°30	27°41	8°30	8° 5	22° 1	8°25	M19
T 20	14 19 0	6°20'10	29°33	10° 2	24°38	28°12	9° 1	1°17	23°15	16°31	27°40	8°23	8° 1	22° 8	8°29	T 20
W21	14 22 56	7°18'07	11♎24	11° 8	25°52	28°56	9°10	1°19	23°18	16°32	27°38	8°12	7°58	22°15	8°34	W21
T 22	14 26 53	8°16'02	23°16	12°17	27° 5	29°40	9°20	1°20	23°21	16°33	27°37	8° 0	7°55	22°22	8°39	T 22
F 23	14 30 49	9°13'55	5♏ 9	13°29	28°19	0♉24	9°29	1°21	23°23	16°34	27°35	7°46	7°52	22°28	8°43	F 23
S 24	14 34 46	10°11'47	17° 6	14°43	29°33	1° 8	9°39	1°22	23°26	16°36	27°34	7°32	7°49	22°35	8°48	S 24
S 25	14 38 43	11° 9'38	29° 8	16° 0	0♉46	1°52	9°48	1°23	23°29	16°37	27°32	7°19	7°45	22°42	8°53	S 25
M26	14 42 39	12° 7'27	11♐16	17°19	2° 0	2°36	9°58	1°24	23°31	16°38	27°31	7° 8	7°42	22°48	8°58	M26
T 27	14 46 36	13° 5'14	23°31	18°41	3°14	3°20	10° 8	1°25	23°34	16°39	27°29	6°59	7°39	22°55	9° 3	T 27
W28	14 50 32	14° 3'01	5♑57	20° 5	4°27	4° 4	10°18	1°26	23°36	16°40	27°28	6°54	7°36	23° 2	9° 8	W28
T 29	14 54 29	15° 0'46	18°34	21°31	5°41	4°47	10°28	1°26	23°38	16°41	27°26	6°51	7°33	23° 9	9°13	T 29
F 30	14 58 25	15♉58'30	1♒27	23♈ 0	6♉55	5♉31	10♋38	1♒27	23♓41	16♋43	27♏24	6♌50	7♌30	23♎15	9♊17	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 3	20s38	2n36	0s 5	0s13	0s52	1s31	5n 1	0s35	23n42	0n20	20s26	0s20	3s43	0s43	22n 3	0s29	7s47	12n19	17n53	18n 4	3s21	17n14	4s25
F 2	7 25	20 13	1 33	0 23	0 29	0 23	1 30	5 19	0 35	23 42	0 20	20 26	0 20	3 42	0 43	22 3	0 29	7 47	12 19	17 53	18 5	3 23	17 14	4 25
S 3	7 47	18 40	0 25	0 38	0 43	0n 7	1 30	5 37	0 34	23 42	0 20	20 25	0 20	3 41	0 44	22 3	0 29	7 47	12 19	17 53	18 6	3 25	17 15	4 25
S 4	8 9	16 0	0s48	0 50	0 57	0 36	1 30	5 55	0 33	23 41	0 20	20 25	0 21	3 40	0 44	22 3	0 29	7 46	12 20	17 53	18 7	3 27	17 16	4 25
M 5	8 31	12 19	2 0	1 0	1 11	1 6	1 30	6 13	0 33	23 41	0 20	20 24	0 21	3 39	0 44	22 3	0 29	7 46	12 20	17 53	18 8	3 30	17 17	4 25
T 6	8 53	7 48	3 6	1 8	1 23	1 36	1 29	6 31	0 32	23 41	0 20	20 24	0 21	3 37	0 44	22 3	0 29	7 45	12 20	17 54	18 8	3 32	17 17	4 25
W 7	9 15	2 41	4 1	1 12	1 35	2 5	1 29	6 48	0 32	23 40	0 20	20 23	0 21	3 36	0 44	22 3	0 29	7 45	12 20	17 56	18 9	3 34	17 18	4 24
T 8	9 36	2n41	4 40	1 14	1 46	2 35	1 28	7 6	0 31	23 40	0 20	20 23	0 21	3 35	0 44	22 3	0 29	7 44	12 20	17 59	18 10	3 36	17 19	4 24
F 9	9 58	7 54	4 59	1 14	1 56	3 4	1 28	7 23	0 31	23 39	0 20	20 22	0 21	3 34	0 44	22 3	0 29	7 44	12 20	18 1	18 11	3 39	17 20	4 24
S 10	10 19	12 35	4 57	1 11	2 6	3 34	1 27	7 41	0 30	23 39	0 20	20 22	0 21	3 33	0 44	22 3	0 29	7 44	12 21	18 4	18 12	3 41	17 21	4 24
S 11	10 40	16 24	4 35	1 6	2 15	4 3	1 26	7 58	0 29	23 39	0 20	20 22	0 21	3 31	0 44	22 3	0 29	7 43	12 21	18 7	18 13	3 43	17 21	4 24
M12	11 1	19 4	3 55	0 59	2 23	4 33	1 25	8 16	0 29	23 38	0 20	20 21	0 21	3 30	0 44	22 3	0 29	7 43	12 21	18 9	18 13	3 45	17 22	4 24
T 13	11 22	20 30	3 2	0 49	2 30	5 2	1 25	8 33	0 28	23 38	0 20	20 21	0 22	3 29	0 44	22 3	0 29	7 42	12 21	18 10	18 14	3 48	17 23	4 24
W14	11 42	20 40	2 0	0 38	2 37	5 31	1 24	8 50	0 28	23 37	0 20	20 21	0 22	3 28	0 44	22 2	0 29	7 42	12 21	18 10	18 15	3 50	17 24	4 24
T 15	12 3	19 41	0 54	0 24	2 42	6 0	1 23	9 7	0 27	23 37	0 20	20 20	0 22	3 27	0 44	22 2	0 29	7 42	12 21	18 11	18 16	3 52	17 25	4 23
F 16	12 23	17 43	0n13	0 8	2 47	6 29	1 22	9 24	0 26	23 36	0 20	20 20	0 22	3 26	0 44	22 2	0 29	7 41	12 21	18 11	18 17	3 55	17 25	4 23
S 17	12 43	14 58	1 18	0n10	2 52	6 58	1 21	9 40	0 26	23 36	0 20	20 20	0 22	3 25	0 44	22 2	0 29	7 41	12 21	18 11	18 18	3 57	17 26	4 23
S 18	13 2	11 36	2 18	0 29	2 55	7 26	1 20	9 57	0 25	23 35	0 21	20 19	0 22	3 24	0 44	22 2	0 29	7 40	12 22	18 11	18 18	3 59	17 27	4 23
M19	13 22	7 49	3 10	0 51	2 58	7 55	1 18	10 14	0 25	23 35	0 21	20 19	0 22	3 23	0 44	22 2	0 29	7 40	12 22	18 13	18 19	4 1	17 28	4 23
T 20	13 41	3 46	3 54	1 14	3 0	8 23	1 17	10 30	0 24	23 34	0 21	20 19	0 22	3 21	0 44	22 2	0 29	7 40	12 22	18 15	18 20	4 4	17 29	4 23
W21	14 0	0s25	4 28	1 38	3 2	8 51	1 16	10 46	0 23	23 34	0 21	20 19	0 23	3 20	0 44	22 2	0 29	7 39	12 22	18 17	18 21	4 6	17 29	4 23
T 22	14 19	4 35	4 50	2 4	3 2	9 19	1 14	11 3	0 23	23 33	0 21	20 19	0 23	3 19	0 44	22 2	0 29	7 39	12 22	18 20	18 22	4 8	17 30	4 23
F 23	14 38	8 35	4 59	2 32	3 3	9 47	1 13	11 19	0 22	23 32	0 21	20 18	0 23	3 18	0 44	22 2	0 29	7 38	12 22	18 24	18 23	4 10	17 31	4 23
S 24	14 56	12 17	4 55	3 1	3 2	10 14	1 12	11 35	0 22	23 32	0 21	20 18	0 23	3 17	0 44	22 2	0 29	7 38	12 22	18 28	18 23	4 13	17 32	4 23
S 25	15 14	15 31	4 38	3 32	3 1	10 42	1 10	11 51	0 21	23 31	0 21	20 18	0 23	3 16	0 44	22 1	0 29	7 38	12 22	18 31	18 24	4 15	17 33	4 23
M26	15 32	18 7	4 9	4 4	2 59	11 9	1 9	12 6	0 20	23 30	0 21	20 18	0 23	3 15	0 44	22 1	0 29	7 37	12 22	18 34	18 25	4 17	17 33	4 23
T 27	15 50	19 55	3 27	4 37	2 57	11 35	1 7	12 22	0 20	23 30	0 21	20 18	0 23	3 14	0 44	22 1	0 29	7 37	12 22	18 36	18 26	4 19	17 34	4 23
W28	16 7	20 49	2 35	5 12	2 54	12 2	1 5	12 37	0 19	23 29	0 21	20 18	0 23	3 13	0 44	22 1	0 29	7 37	12 22	18 37	18 27	4 22	17 35	4 22
T 29	16 24	20 40	1 35	5 47	2 50	12 28	1 4	12 53	0 18	23 28	0 21	20 18	0 23	3 12	0 44	22 1	0 28	7 36	12 22	18 38	18 27	4 24	17 36	4 22
F 30	16n41	19s27	0n28	6n24	2s46	12n54	1s 2	13n 8	0s18	23n27	0n21	20s18	0s24	3s12	0s44	22n 1	0s28	7s36	12n22	18n38	18n28	4s26	17n36	4s22

Julian Day Number = 2179536.5, Delta T = 11m37s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'16, Lahiri = 13°28'16 Julian Calendar 1 Apr. 1255 == Greg. Calendar 8 Apr. 1255

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ASTRODIENST EPHEMERIS for the year 1255
geocentric

MAY 1255 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 2 22	16♉56'13	14♒39	24♈30	8♉ 8	6♉15	10♋48	1♒27	23♓43	16♋44	27°R23	6°R50	7♌26	23♎22	9♊22	S 1
S 2	15 6 18	17°53'55	28°14	26° 4	9°22	6°58	10°58	1°27	23°46	16°45	27♏21	6♌50	7°23	23°29	9°27	S 2
M 3	15 10 15	18°51'35	12♓12	27°39	10°36	7°42	11° 9	1°28	23°48	16°47	27°20	6°48	7°20	23°35	9°32	M 3
T 4	15 14 12	19°49'15	26°35	29°17	11°49	8°25	11°19	1°28	23°50	16°48	27°18	6°44	7°17	23°42	9°38	T 4
W 5	15 18 8	20°46'53	11♈20	0♉57	13° 3	9° 9	11°30	1°R28	23°52	16°49	27°16	6°38	7°14	23°49	9°43	W 5
T 6	15 22 5	21°44'31	26°22	2°39	14°17	9°52	11°40	1°28	23°55	16°51	27°15	6°29	7°11	23°56	9°48	T 6
F 7	15 26 1	22°42'07	11♉32	4°23	15°30	10°36	11°51	1°27	23°57	16°52	27°13	6°19	7° 7	24° 2	9°53	F 7
S 8	15 29 58	23°39'43	26°39	6°10	16°44	11°19	12° 2	1°27	23°59	16°54	27°11	6° 8	7° 4	24° 9	9°58	S 8
S 9	15 33 54	24°37'17	11♊34	7°59	17°58	12° 2	12°13	1°27	24° 1	16°55	27°10	5°59	7° 1	24°16	10° 3	S 9
M10	15 37 51	25°34'50	26° 8	9°50	19°11	12°45	12°24	1°26	24° 3	16°57	27° 8	5°52	6°58	24°22	10° 8	M10
T 11	15 41 47	26°32'22	10♋14	11°43	20°25	13°29	12°35	1°26	24° 5	16°58	27° 7	5°47	6°55	24°29	10°13	T 11
W12	15 45 44	27°29'52	23°53	13°38	21°39	14°12	12°46	1°25	24° 7	17° 0	27° 5	5°45	6°51	24°36	10°19	W12
T 13	15 49 41	28°27'21	7♌ 3	15°36	22°52	14°55	12°57	1°24	24° 9	17° 1	27° 3	5°D44	6°48	24°43	10°24	T 13
F 14	15 53 37	29°24'49	19°48	17°35	24° 6	15°38	13° 8	1°23	24°11	17° 3	27° 2	5°45	6°45	24°49	10°29	F 14
S 15	15 57 34	0♊22'15	2♍13	19°37	25°20	16°21	13°20	1°22	24°13	17° 5	27° 0	5°R45	6°42	24°56	10°34	S 15
S 16	16 1 30	1°19'40	14°23	21°40	26°33	17° 3	13°31	1°21	24°14	17° 6	26°58	5°44	6°39	25° 3	10°39	S 16
M17	16 5 27	2°17'04	26°22	23°45	27°47	17°46	13°43	1°20	24°16	17° 8	26°57	5°41	6°36	25°10	10°45	M17
T 18	16 9 23	3°14'27	8♎15	25°52	29° 0	18°29	13°54	1°19	24°18	17°10	26°55	5°36	6°32	25°16	10°50	T 18
W19	16 13 20	4°11'48	20° 6	28° 0	0♊14	19°12	14° 6	1°18	24°19	17°11	26°53	5°28	6°29	25°23	10°55	W19
T 20	16 17 16	5° 9'09	1♏59	0♊ 9	1°28	19°54	14°17	1°16	24°21	17°13	26°52	5°19	6°26	25°30	11° 0	T 20
F 21	16 21 13	6° 6'29	13°56	2°20	2°41	20°37	14°29	1°15	24°23	17°15	26°50	5° 8	6°23	25°36	11° 6	F 21
S 22	16 25 10	7° 3'47	25°59	4°31	3°55	21°19	14°41	1°13	24°24	17°17	26°49	4°58	6°20	25°43	11°11	S 22
S 23	16 29 6	8° 1'05	8♐10	6°43	5° 9	22° 2	14°53	1°11	24°26	17°18	26°47	4°48	6°16	25°50	11°16	S 23
M24	16 33 3	8°58'22	20°30	8°54	6°22	22°44	15° 5	1°10	24°27	17°20	26°45	4°39	6°13	25°57	11°22	M24
T 25	16 36 59	9°55'39	2♑59	11° 6	7°36	23°27	15°17	1° 8	24°29	17°22	26°44	4°33	6°10	26° 3	11°27	T 25
W26	16 40 56	10°52'55	15°38	13°18	8°50	24° 9	15°29	1° 6	24°30	17°24	26°42	4°29	6° 7	26°10	11°32	W26
T 27	16 44 52	11°50'10	28°29	15°29	10° 3	24°51	15°41	1° 4	24°31	17°26	26°41	4°D27	6° 4	26°17	11°37	T 27
F 28	16 48 49	12°47'26	11♒34	17°39	11°17	25°33	15°53	1° 2	24°32	17°28	26°39	4°27	6° 1	26°23	11°43	F 28
S 29	16 52 45	13°44'40	24°53	19°48	12°31	26°16	16° 5	0°59	24°34	17°30	26°38	4°28	5°57	26°30	11°48	S 29
S 30	16 56 42	14°41'55	8♓29	21°56	13°44	26°58	16°17	0°57	24°35	17°32	26°36	4°R29	5°54	26°37	11°53	S 30
M31	17 0 39	15♊39'09	22♓23	24♊ 3	14♊58	27♉40	16♋30	0♒55	24♓36	17♋33	26♏35	4♌29	5♌51	26♎44	11♊59	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n58	17s10	0s41	7n 2	2s42	13n20	1s 0	13n23	0s17	23n27	0n21	20s18	0s24	3s11	0s44	22n 1	0s28	7s36	12n22	18n38	18n29	4s28	17n37	4s22
S 2	17 14	13 52	1 51	7 41	2 36	13 45	0 58	13 38	0 17	23 26	0 21	20 18	0 24	3 10	0 44	22 1	0 28	7 35	12 22	18 38	18 30	4 31	17 38	4 22
M 3	17 30	9 43	2 55	8 20	2 31	14 10	0 56	13 53	0 16	23 25	0 21	20 18	0 24	3 9	0 44	22 0	0 28	7 35	12 22	18 39	18 31	4 33	17 39	4 22
T 4	17 46	4 54	3 51	9 1	2 24	14 35	0 55	14 8	0 15	23 24	0 21	20 18	0 24	3 8	0 44	22 0	0 28	7 35	12 22	18 40	18 31	4 35	17 40	4 22
W 5	18 1	0n19	4 33	9 42	2 17	14 59	0 53	14 22	0 15	23 23	0 21	20 18	0 24	3 7	0 44	22 0	0 28	7 34	12 22	18 41	18 32	4 37	17 40	4 22
T 6	18 16	5 36	4 57	10 24	2 10	15 23	0 51	14 37	0 14	23 23	0 21	20 19	0 24	3 6	0 44	22 0	0 28	7 34	12 22	18 44	18 33	4 40	17 41	4 22
F 7	18 31	10 35	5 0	11 7	2 2	15 46	0 49	14 51	0 13	23 22	0 22	20 19	0 24	3 5	0 44	22 0	0 28	7 34	12 22	18 46	18 34	4 42	17 42	4 22
S 8	18 46	14 54	4 43	11 50	1 54	16 10	0 47	15 5	0 13	23 21	0 22	20 19	0 25	3 5	0 44	22 0	0 28	7 33	12 22	18 49	18 35	4 44	17 42	4 22
S 9	19 0	18 12	4 6	12 34	1 45	16 32	0 45	15 19	0 12	23 20	0 22	20 19	0 25	3 4	0 44	21 59	0 28	7 33	12 22	18 51	18 36	4 46	17 43	4 22
M10	19 14	20 15	3 14	13 18	1 36	16 55	0 42	15 33	0 11	23 19	0 22	20 19	0 25	3 3	0 44	21 59	0 28	7 33	12 22	18 53	18 36	4 49	17 44	4 22
T 11	19 27	20 58	2 11	14 2	1 27	17 17	0 40	15 46	0 11	23 18	0 22	20 20	0 25	3 2	0 44	21 59	0 28	7 33	12 22	18 54	18 37	4 51	17 45	4 22
W12	19 41	20 23	1 3	14 46	1 17	17 38	0 38	16 0	0 10	23 17	0 22	20 20	0 25	3 2	0 44	21 59	0 28	7 32	12 22	18 55	18 38	4 53	17 45	4 22
T 13	19 54	18 42	0n 7	15 30	1 7	17 59	0 36	16 13	0 10	23 16	0 22	20 20	0 25	3 1	0 44	21 59	0 28	7 32	12 21	18 55	18 39	4 56	17 46	4 22
F 14	20 6	16 6	1 14	16 14	0 57	18 20	0 34	16 27	0 9	23 15	0 22	20 20	0 25	3 0	0 44	21 59	0 28	7 32	12 21	18 55	18 40	4 58	17 47	4 22
S 15	20 19	12 50	2 16	16 58	0 46	18 40	0 32	16 40	0 8	23 14	0 22	20 21	0 25	2 59	0 45	21 58	0 28	7 32	12 21	18 55	18 40	5 0	17 48	4 22
S 16	20 30	9 6	3 11	17 41	0 36	18 59	0 29	16 52	0 8	23 13	0 22	20 21	0 26	2 59	0 45	21 58	0 28	7 31	12 21	18 55	18 41	5 2	17 48	4 22
M17	20 42	5 3	3 56	18 23	0 25	19 18	0 27	17 5	0 7	23 11	0 22	20 21	0 26	2 58	0 45	21 58	0 28	7 31	12 21	18 55	18 42	5 5	17 49	4 22
T 18	20 53	0 51	4 30	19 4	0 14	19 37	0 25	17 18	0 6	23 10	0 22	20 22	0 26	2 57	0 45	21 58	0 28	7 31	12 21	18 57	18 43	5 7	17 50	4 22
W19	21 4	3s22	4 53	19 44	0 3	19 55	0 22	17 30	0 6	23 9	0 22	20 22	0 26	2 57	0 45	21 58	0 28	7 31	12 21	18 59	18 44	5 9	17 50	4 23
T 20	21 15	7 28	5 3	20 23	0n 7	20 12	0 20	17 42	0 5	23 8	0 22	20 23	0 26	2 56	0 45	21 57	0 28	7 30	12 21	19 1	18 44	5 11	17 51	4 23
F 21	21 25	11 18	5 0	21 0	0 18	20 29	0 18	17 54	0 4	23 7	0 22	20 23	0 26	2 56	0 45	21 57	0 28	7 30	12 20	19 3	18 45	5 14	17 52	4 23
S 22	21 35	14 44	4 44	21 35	0 28	20 46	0 15	18 6	0 4	23 6	0 22	20 24	0 26	2 55	0 45	21 57	0 28	7 30	12 20	19 6	18 46	5 16	17 52	4 23
S 23	21 44	17 34	4 14	22 8	0 38	21 2	0 13	18 18	0 3	23 4	0 22	20 24	0 26	2 54	0 45	21 57	0 28	7 30	12 20	19 9	18 47	5 18	17 53	4 23
M24	21 53	19 39	3 33	22 40	0 48	21 17	0 11	18 29	0 2	23 3	0 22	20 25	0 27	2 54	0 45	21 57	0 28	7 30	12 20	19 11	18 47	5 20	17 54	4 23
T 25	22 2	20 50	2 40	23 8	0 57	21 32	0 8	18 41	0 2	23 2	0 23	20 25	0 27	2 53	0 45	21 56	0 28	7 29	12 20	19 12	18 48	5 23	17 54	4 23
W26	22 10	20 58	1 39	23 34	1 6	21 46	0 6	18 52	0 1	23 0	0 23	20 26	0 27	2 53	0 45	21 56	0 28	7 29	12 20	19 13	18 49	5 25	17 55	4 23
T 27	22 18	20 1	0 32	23 58	1 14	21 59	0 4	19 3	0 1	22 59	0 23	20 26	0 27	2 52	0 45	21 56	0 28	7 29	12 19	19 13	18 50	5 27	17 55	4 23
F 28	22 25	18 0	0s38	24 18	1 21	22 12	0 1	19 14	0n 0	22 58	0 23	20 27	0 27	2 52	0 45	21 56	0 28	7 29	12 19	19 13	18 51	5 30	17 56	4 23
S 29	22 32	14 58	1 48	24 36	1 28	22 24	0n 1	19 24	0 1	22 56	0 23	20 28	0 27	2 51	0 45	21 56	0 28	7 29	12 19	19 13	18 51	5 32	17 57	4 23
S 30	22 39	11 5	2 53	24 52	1 34	22 36	0 4	19 35	0 1	22 55	0 23	20 28	0 27	2 51	0 45	21 55	0 28	7 29	12 19	19 13	18 52	5 34	17 57	4 23
M31	22n45	6s32	3s49	25n 4	1n40	22n47	0n 6	19n45	0n 2	22n53	0n23	20s29	0s27	2s51	0s45	21n55	0s28	7s29	12n19	19n13	18n53	5s36	17n58	4s23

Julian Day Number = 2179566.5, Delta T = 11m37s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'20, Lahiri = 13°28'21 Julian Calendar 1 May 1255 == Greg. Calendar 8 May 1255

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ASTRODIENST EPHEMERIS for the year 1255
geocentric

JUNE 1255 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 4 35	16♊36'23	6♈35	26♊ 8	16♊12	28♉22	16♋42	0°R52	24♓37	17♋35	26°R33	4°R27	5♌48	26♎50	12♊ 4	T 1
W 2	17 8 32	17°33'36	21° 4	28°11	17°25	29° 4	16°54	0♒50	24°38	17°37	26♏31	4♌24	5°45	26°57	12° 9	W 2
T 3	17 12 28	18°30'50	5♉45	0♋12	18°39	29°46	17° 7	0°47	24°39	17°39	26°30	4°18	5°42	27° 4	12°15	T 3
F 4	17 16 25	19°28'04	20°33	2°11	19°53	0♊27	17°19	0°44	24°40	17°41	26°29	4°12	5°38	27°11	12°20	F 4
S 5	17 20 21	20°25'17	5♊21	4° 9	21° 6	1° 9	17°32	0°41	24°41	17°43	26°27	4° 5	5°35	27°17	12°25	S 5
S 6	17 24 18	21°22'30	19°59	6° 4	22°20	1°51	17°44	0°39	24°42	17°45	26°26	3°59	5°32	27°24	12°30	S 6
M 7	17 28 14	22°19'43	4♋21	7°57	23°34	2°33	17°57	0°36	24°43	17°47	26°24	3°55	5°29	27°31	12°36	M 7
T 8	17 32 11	23°16'56	18°22	9°48	24°48	3°14	18°10	0°33	24°43	17°50	26°23	3°52	5°26	27°37	12°41	T 8
W 9	17 36 8	24°14'08	1♌58	11°37	26° 1	3°56	18°22	0°30	24°44	17°52	26°21	3°D51	5°22	27°44	12°46	W 9
T 10	17 40 4	25°11'19	15° 9	13°24	27°15	4°37	18°35	0°26	24°45	17°54	26°20	3°51	5°19	27°51	12°52	T 10
F 11	17 44 1	26° 8'31	27°57	15° 9	28°29	5°19	18°48	0°23	24°45	17°56	26°19	3°53	5°16	27°58	12°57	F 11
S 12	17 47 57	27° 5'42	10♍25	16°51	29°43	6° 0	19° 1	0°20	24°46	17°58	26°17	3°54	5°13	28° 4	13° 2	S 12
S 13	17 51 54	28° 2'52	22°37	18°31	0♋56	6°42	19°14	0°16	24°46	18° 0	26°16	3°R55	5°10	28°11	13° 7	S 13
M14	17 55 50	29° 0'02	4♎38	20° 9	2°10	7°23	19°26	0°13	24°47	18° 2	26°15	3°55	5° 7	28°18	13°12	M14
T 15	17 59 47	29°57'12	16°33	21°45	3°24	8° 4	19°39	0°10	24°47	18° 4	26°13	3°54	5° 3	28°24	13°18	T 15
W16	18 3 44	0♋54'22	28°25	23°18	4°38	8°45	19°52	0° 6	24°48	18° 6	26°12	3°51	5° 0	28°31	13°23	W16
T 17	18 7 40	1°51'31	10♏20	24°50	5°51	9°26	20° 5	0° 2	24°48	18° 9	26°11	3°47	4°57	28°38	13°28	T 17
F 18	18 11 37	2°48'40	22°21	26°19	7° 5	10° 7	20°18	29♑59	24°48	18°11	26°10	3°42	4°54	28°45	13°33	F 18
S 19	18 15 33	3°45'50	4♐31	27°46	8°19	10°48	20°31	29°55	24°48	18°13	26° 8	3°37	4°51	28°51	13°38	S 19
S 20	18 19 30	4°42'59	16°52	29°10	9°33	11°29	20°44	29°51	24°49	18°15	26° 7	3°32	4°48	28°58	13°43	S 20
M21	18 23 26	5°40'08	29°25	0♌33	10°46	12°10	20°57	29°47	24°49	18°17	26° 6	3°28	4°44	29° 5	13°48	M21
T 22	18 27 23	6°37'18	12♑11	1°52	12° 0	12°51	21°10	29°43	24°49	18°19	26° 5	3°25	4°41	29°12	13°53	T 22
W23	18 31 19	7°34'28	25°10	3°10	13°14	13°32	21°23	29°40	24°R49	18°22	26° 4	3°24	4°38	29°18	13°58	W23
T 24	18 35 16	8°31'38	8♒22	4°25	14°28	14°13	21°36	29°36	24°49	18°24	26° 3	3°D24	4°35	29°25	14° 3	T 24
F 25	18 39 13	9°28'48	21°47	5°37	15°42	14°54	21°50	29°32	24°49	18°26	26° 2	3°25	4°32	29°32	14° 8	F 25
S 26	18 43 9	10°25'59	5♓24	6°47	16°55	15°34	22° 3	29°27	24°49	18°28	26° 1	3°26	4°28	29°38	14°13	S 26
S 27	18 47 6	11°23'11	19°13	7°55	18° 9	16°15	22°16	29°23	24°49	18°30	25°59	3°27	4°25	29°45	14°18	S 27
M28	18 51 2	12°20'23	3♈12	8°59	19°23	16°55	22°29	29°19	24°48	18°33	25°58	3°28	4°22	29°52	14°23	M28
T 29	18 54 59	13°17'36	17°22	10° 1	20°37	17°36	22°42	29°15	24°48	18°35	25°58	3°R29	4°19	29°59	14°28	T 29
W30	18 58 55	14♋14'50	1♉39	11♌ 0	21♋51	18♊16	22♋56	29♑11	24♓48	18♋37	25♏57	3♌28	4♌16	0♏ 5	14♊33	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n51	1s33	4s33	25n13	1n45	22n57	0n 8	19n55	0n 3	22n52	0n23	20s29	0s28	2s50	0s45	21n55	0s28	7s29	12n18	19n13	18n54	5s39	17n58	4s24
W 2	22 57	3n37	5 0	25 20	1 49	23 7	0 11	20 5	0 3	22 50	0 23	20 30	0 28	2 50	0 45	21 55	0 28	7 28	12 18	19 14	18 55	5 41	17 59	4 24
T 3	23 2	8 39	5 8	25 24	1 52	23 16	0 13	20 15	0 4	22 49	0 23	20 31	0 28	2 49	0 45	21 54	0 28	7 28	12 18	19 16	18 55	5 43	17 59	4 24
F 4	23 7	13 12	4 56	25 26	1 55	23 24	0 15	20 24	0 5	22 47	0 23	20 32	0 28	2 49	0 45	21 54	0 28	7 28	12 18	19 17	18 56	5 45	18 0	4 24
S 5	23 11	16 57	4 24	25 25	1 57	23 32	0 18	20 34	0 5	22 46	0 23	20 32	0 28	2 49	0 45	21 54	0 28	7 28	12 17	19 19	18 57	5 48	18 1	4 24
S 6	23 15	19 35	3 35	25 21	1 58	23 39	0 20	20 43	0 6	22 44	0 23	20 33	0 28	2 48	0 45	21 54	0 28	7 28	12 17	19 20	18 58	5 50	18 1	4 24
M 7	23 19	20 55	2 33	25 16	1 58	23 45	0 22	20 52	0 7	22 43	0 23	20 34	0 28	2 48	0 45	21 53	0 28	7 28	12 17	19 21	18 58	5 52	18 2	4 24
T 8	23 22	20 54	1 23	25 8	1 58	23 50	0 25	21 0	0 7	22 41	0 23	20 35	0 28	2 48	0 45	21 53	0 28	7 28	12 17	19 22	18 59	5 54	18 2	4 24
W 9	23 24	19 38	0 10	24 58	1 57	23 55	0 27	21 9	0 8	22 39	0 24	20 35	0 28	2 48	0 45	21 53	0 28	7 28	12 16	19 22	19 0	5 57	18 3	4 25
T 10	23 27	17 20	1n 1	24 46	1 55	23 59	0 29	21 17	0 9	22 38	0 24	20 36	0 29	2 47	0 45	21 53	0 28	7 28	12 16	19 22	19 1	5 59	18 3	4 25
F 11	23 29	14 13	2 7	24 33	1 53	24 3	0 31	21 25	0 9	22 36	0 24	20 37	0 29	2 47	0 45	21 52	0 28	7 28	12 16	19 22	19 2	6 1	18 4	4 25
S 12	23 30	10 33	3 6	24 17	1 50	24 6	0 34	21 33	0 10	22 34	0 24	20 38	0 29	2 47	0 45	21 52	0 28	7 28	12 15	19 21	19 2	6 4	18 4	4 25
S 13	23 31	6 32	3 55	24 1	1 47	24 8	0 36	21 41	0 11	22 33	0 24	20 39	0 29	2 47	0 46	21 52	0 28	7 28	12 15	19 21	19 3	6 6	18 5	4 25
M14	23 32	2 19	4 32	23 42	1 43	24 9	0 38	21 49	0 11	22 31	0 24	20 39	0 29	2 47	0 46	21 52	0 28	7 28	12 15	19 21	19 4	6 8	18 5	4 25
T 15	23 32	1s57	4 58	23 23	1 38	24 9	0 40	21 56	0 12	22 29	0 24	20 40	0 29	2 47	0 46	21 51	0 28	7 28	12 14	19 21	19 5	6 10	18 5	4 26
W16	23 32	6 7	5 10	23 2	1 33	24 9	0 42	22 3	0 13	22 27	0 24	20 41	0 29	2 46	0 46	21 51	0 28	7 28	12 14	19 22	19 5	6 13	18 6	4 26
T 17	23 31	10 5	5 10	22 40	1 27	24 8	0 44	22 10	0 13	22 25	0 24	20 42	0 29	2 46	0 46	21 51	0 27	7 28	12 14	19 23	19 6	6 15	18 6	4 26
F 18	23 30	13 40	4 55	22 17	1 20	24 7	0 46	22 17	0 14	22 23	0 24	20 43	0 29	2 46	0 46	21 50	0 27	7 28	12 13	19 24	19 7	6 17	18 7	4 26
S 19	23 29	16 44	4 28	21 53	1 13	24 4	0 48	22 24	0 14	22 22	0 24	20 44	0 30	2 46	0 46	21 50	0 27	7 28	12 13	19 25	19 8	6 19	18 7	4 26
S 20	23 27	19 7	3 47	21 29	1 6	24 1	0 50	22 30	0 15	22 20	0 24	20 45	0 30	2 46	0 46	21 50	0 27	7 28	12 13	19 26	19 9	6 22	18 8	4 27
M21	23 25	20 37	2 55	21 4	0 58	23 58	0 52	22 36	0 16	22 18	0 24	20 46	0 30	2 46	0 46	21 50	0 27	7 28	12 12	19 27	19 9	6 24	18 8	4 27
T 22	23 22	21 5	1 54	20 38	0 50	23 53	0 54	22 42	0 16	22 16	0 24	20 47	0 30	2 46	0 46	21 49	0 27	7 29	12 12	19 28	19 10	6 26	18 8	4 27
W23	23 19	20 27	0 45	20 11	0 41	23 48	0 56	22 48	0 17	22 14	0 25	20 48	0 30	2 46	0 46	21 49	0 27	7 29	12 12	19 28	19 11	6 29	18 9	4 27
T 24	23 16	18 41	0s27	19 45	0 32	23 42	0 58	22 53	0 18	22 12	0 25	20 48	0 30	2 46	0 46	21 49	0 27	7 29	12 11	19 28	19 12	6 31	18 9	4 27
F 25	23 12	15 52	1 39	19 18	0 22	23 36	1 0	22 59	0 18	22 10	0 25	20 49	0 30	2 46	0 46	21 48	0 27	7 29	12 11	19 28	19 12	6 33	18 9	4 28
S 26	23 7	12 9	2 47	18 50	0 12	23 28	1 1	23 4	0 19	22 8	0 25	20 50	0 30	2 46	0 46	21 48	0 27	7 29	12 11	19 28	19 13	6 35	18 10	4 28
S 27	23 3	7 45	3 46	18 23	0 1	23 20	1 3	23 9	0 20	22 6	0 25	20 51	0 30	2 46	0 46	21 48	0 27	7 29	12 10	19 28	19 14	6 38	18 10	4 28
M28	22 58	2 53	4 32	17 56	0s10	23 12	1 5	23 14	0 20	22 4	0 25	20 52	0 31	2 47	0 46	21 48	0 27	7 29	12 10	19 27	19 15	6 40	18 10	4 28
T 29	22 52	3n11	5 3	17 28	0 21	23 2	1 6	23 18	0 21	22 1	0 25	20 53	0 31	2 47	0 46	21 47	0 27	7 29	12 9	19 27	19 15	6 42	18 11	4 29
W30	22n46	7n10	5s15	17n 1	0s33	22n52	1n 8	23n22	0n22	21n59	0n25	20s54	0s31	2s47	0s46	21n47	0s27	7s30	12n 9	19n27	19n16	6s44	18n11	4s29

Julian Day Number = 2179597.5, Delta T = 11m37s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'24, Lahiri = 13°28'25 Julian Calendar 1 June 1255 == Greg. Calendar 8 June 1255

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ASTRODIENST EPHEMERIS for the year 1255
geocentric

JULY 1255 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 2 52	15♋12'04	16♉ 1	11♌56	23♋ 4	18♊57	23♋ 9	29°R 7	24°R47	18♋39	25°R56	3°R26	4♌13	0♏12	14♊38	T 1
F 2	19 6 48	16° 9'20	0♊24	12°48	24°18	19°37	23°22	29♑ 2	24♓47	18°42	25♏55	3♌24	4° 9	0°19	14°43	F 2
S 3	19 10 45	17° 6'36	14°44	13°38	25°32	20°17	23°35	28°58	24°47	18°44	25°54	3°22	4° 6	0°26	14°47	S 3
S 4	19 14 42	18° 3'53	28°57	14°24	26°46	20°58	23°49	28°54	24°46	18°46	25°53	3°20	4° 3	0°32	14°52	S 4
M 5	19 18 38	19° 1'11	12♋56	15° 6	28° 0	21°38	24° 2	28°49	24°45	18°48	25°52	3°19	4° 0	0°39	14°57	M 5
T 6	19 22 35	19°58'29	26°40	15°45	29°14	22°18	24°15	28°45	24°45	18°50	25°51	3°D18	3°57	0°46	15° 1	T 6
W 7	19 26 31	20°55'48	10♌ 4	16°20	0♌28	22°58	24°28	28°40	24°44	18°53	25°51	3°18	3°54	0°52	15° 6	W 7
T 8	19 30 28	21°53'08	23° 9	16°50	1°42	23°38	24°42	28°36	24°44	18°55	25°50	3°19	3°50	0°59	15°11	T 8
F 9	19 34 24	22°50'28	5♍54	17°17	2°55	24°18	24°55	28°32	24°43	18°57	25°49	3°20	3°47	1° 6	15°15	F 9
S 10	19 38 21	23°47'48	18°21	17°39	4° 9	24°58	25° 8	28°27	24°42	18°59	25°49	3°21	3°44	1°13	15°20	S 10
S 11	19 42 17	24°45'10	0♎34	17°57	5°23	25°38	25°22	28°23	24°41	19° 2	25°48	3°21	3°41	1°19	15°24	S 11
M12	19 46 14	25°42'31	12°37	18°10	6°37	26°18	25°35	28°18	24°40	19° 4	25°47	3°22	3°38	1°26	15°29	M12
T 13	19 50 11	26°39'54	24°32	18°18	7°51	26°58	25°48	28°14	24°39	19° 6	25°47	3°R22	3°34	1°33	15°33	T 13
W14	19 54 7	27°37'17	6♏26	18°R21	9° 5	27°37	26° 1	28° 9	24°38	19° 8	25°46	3°22	3°31	1°39	15°38	W14
T 15	19 58 4	28°34'40	18°22	18°18	10°19	28°17	26°15	28° 5	24°37	19°10	25°46	3°22	3°28	1°46	15°42	T 15
F 16	20 2 0	29°32'05	0♐25	18°11	11°33	28°57	26°28	28° 0	24°36	19°13	25°45	3°21	3°25	1°53	15°46	F 16
S 17	20 5 57	0♑29'30	12°38	17°58	12°47	29°36	26°41	27°56	24°35	19°15	25°45	3°21	3°22	2° 0	15°50	S 17
S 18	20 9 53	1°26'56	25° 6	17°40	14° 0	0♋16	26°55	27°51	24°34	19°17	25°44	3°21	3°19	2° 6	15°55	S 18
M19	20 13 50	2°24'23	7♑50	17°17	15°14	0°55	27° 8	27°47	24°33	19°19	25°44	3°21	3°15	2°13	15°59	M19
T 20	20 17 46	3°21'51	20°52	16°49	16°28	1°35	27°21	27°43	24°32	19°21	25°44	3°D21	3°12	2°20	16° 3	T 20
W21	20 21 43	4°19'20	4♒11	16°17	17°42	2°14	27°34	27°38	24°31	19°24	25°43	3°R21	3° 9	2°27	16° 7	W21
T 22	20 25 40	5°16'50	17°48	15°39	18°56	2°53	27°47	27°34	24°29	19°26	25°43	3°21	3° 6	2°33	16°11	T 22
F 23	20 29 36	6°14'21	1♓39	14°58	20°10	3°33	28° 1	27°29	24°28	19°28	25°43	3°20	3° 3	2°40	16°15	F 23
S 24	20 33 33	7°11'53	15°42	14°14	21°24	4°12	28°14	27°25	24°27	19°30	25°42	3°20	3° 0	2°47	16°19	S 24
S 25	20 37 29	8° 9'27	29°53	13°27	22°38	4°51	28°27	27°21	24°25	19°32	25°42	3°20	2°56	2°53	16°23	S 25
M26	20 41 26	9° 7'02	14♈ 9	12°38	23°52	5°30	28°40	27°16	24°24	19°34	25°42	3°19	2°53	3° 0	16°27	M26
T 27	20 45 22	10° 4'39	28°26	11°48	25° 5	6° 9	28°53	27°12	24°22	19°36	25°42	3°19	2°50	3° 7	16°30	T 27
W28	20 49 19	11° 2'17	12♉41	10°58	26°19	6°48	29° 7	27° 8	24°21	19°39	25°42	3°D19	2°47	3°14	16°34	W28
T 29	20 53 15	11°59'57	26°51	10° 9	27°33	7°27	29°20	27° 3	24°19	19°41	25°42	3°19	2°44	3°20	16°38	T 29
F 30	20 57 12	12°57'39	10♊55	9°22	28°47	8° 6	29°33	26°59	24°18	19°43	25°42	3°19	2°40	3°27	16°42	F 30
S 31	21 1 9	13♌55'22	24♊50	8♌38	0♍ 1	8♋45	29♋46	26♑55	24♓16	19♋45	25°D42	3♌20	2♌37	3♏34	16♊45	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n40	11n47	5s 7	16n34	0s44	22n41	1n 9	23n27	0n22	21n57	0n25	20s55	0s31	2s47	0s46	21n47	0s27	7s30	12n 9	19n28	19n17	6s47	18n11	4s29
F 2	22 33	15 44	4 41	16 8	0 57	22 30	1 11	23 30	0 23	21 55	0 25	20 56	0 31	2 47	0 46	21 46	0 27	7 30	12 8	19 28	19 18	6 49	18 12	4 29
S 3	22 26	18 44	3 57	15 42	1 9	22 18	1 12	23 34	0 24	21 53	0 25	20 57	0 31	2 47	0 46	21 46	0 27	7 30	12 8	19 29	19 18	6 51	18 12	4 30
S 4	22 19	20 33	2 59	15 17	1 22	22 5	1 13	23 38	0 24	21 51	0 25	20 58	0 31	2 48	0 46	21 46	0 27	7 30	12 7	19 29	19 19	6 54	18 12	4 30
M 5	22 11	21 4	1 50	14 52	1 34	21 52	1 15	23 41	0 25	21 48	0 25	20 59	0 31	2 48	0 46	21 46	0 27	7 31	12 7	19 30	19 20	6 56	18 12	4 30
T 6	22 2	20 18	0 37	14 28	1 47	21 38	1 16	23 44	0 26	21 46	0 26	21 0	0 31	2 48	0 46	21 45	0 27	7 31	12 7	19 30	19 21	6 58	18 13	4 30
W 7	21 54	18 24	0n37	14 5	2 1	21 23	1 17	23 47	0 26	21 44	0 26	21 1	0 31	2 48	0 46	21 45	0 27	7 31	12 6	19 30	19 21	7 0	18 13	4 31
T 8	21 45	15 33	1 48	13 43	2 14	21 8	1 18	23 50	0 27	21 42	0 26	21 2	0 32	2 49	0 46	21 45	0 27	7 31	12 6	19 30	19 22	7 3	18 13	4 31
F 9	21 36	12 2	2 51	13 23	2 27	20 52	1 19	23 52	0 28	21 39	0 26	21 3	0 32	2 49	0 46	21 44	0 27	7 32	12 5	19 29	19 23	7 5	18 13	4 31
S 10	21 26	8 3	3 44	13 4	2 40	20 36	1 20	23 54	0 28	21 37	0 26	21 4	0 32	2 49	0 46	21 44	0 27	7 32	12 5	19 29	19 24	7 7	18 13	4 32
S 11	21 16	3 51	4 26	12 46	2 53	20 19	1 21	23 57	0 29	21 35	0 26	21 5	0 32	2 50	0 46	21 44	0 27	7 32	12 4	19 29	19 24	7 9	18 14	4 32
M12	21 5	0s27	4 56	12 30	3 6	20 1	1 22	23 58	0 29	21 32	0 26	21 6	0 32	2 50	0 47	21 43	0 27	7 33	12 4	19 29	19 25	7 12	18 14	4 32
T 13	20 54	4 41	5 13	12 15	3 19	19 43	1 23	24 0	0 30	21 30	0 26	21 7	0 32	2 51	0 47	21 43	0 27	7 33	12 4	19 29	19 26	7 14	18 14	4 33
W14	20 43	8 44	5 16	12 2	3 31	19 24	1 24	24 2	0 31	21 27	0 26	21 8	0 32	2 51	0 47	21 43	0 27	7 33	12 3	19 29	19 27	7 16	18 14	4 33
T 15	20 32	12 28	5 6	11 52	3 43	19 5	1 25	24 3	0 31	21 25	0 26	21 9	0 32	2 51	0 47	21 43	0 27	7 33	12 3	19 29	19 27	7 18	18 14	4 33
F 16	20 20	15 43	4 42	11 43	3 54	18 45	1 25	24 4	0 32	21 23	0 26	21 10	0 32	2 52	0 47	21 42	0 27	7 34	12 2	19 29	19 28	7 21	18 14	4 33
S 17	20 8	18 21	4 5	11 37	4 5	18 25	1 26	24 5	0 33	21 20	0 27	21 11	0 32	2 52	0 47	21 42	0 27	7 34	12 2	19 29	19 29	7 23	18 14	4 34
S 18	19 55	20 10	3 16	11 33	4 15	18 4	1 26	24 5	0 33	21 18	0 27	21 12	0 32	2 53	0 47	21 42	0 27	7 34	12 1	19 29	19 30	7 25	18 15	4 34
M19	19 42	21 2	2 17	11 32	4 24	17 43	1 27	24 6	0 34	21 15	0 27	21 13	0 33	2 53	0 47	21 41	0 27	7 35	12 1	19 29	19 30	7 28	18 15	4 34
T 20	19 29	20 47	1 9	11 33	4 31	17 21	1 27	24 6	0 35	21 13	0 27	21 14	0 33	2 54	0 47	21 41	0 27	7 35	12 0	19 29	19 31	7 30	18 15	4 35
W21	19 15	19 22	0s 5	11 36	4 38	16 59	1 28	24 6	0 35	21 10	0 27	21 15	0 33	2 54	0 47	21 41	0 27	7 36	12 0	19 29	19 32	7 32	18 15	4 35
T 22	19 1	16 49	1 19	11 42	4 43	16 36	1 28	24 6	0 36	21 8	0 27	21 16	0 33	2 55	0 47	21 40	0 27	7 36	11 59	19 29	19 33	7 34	18 15	4 35
F 23	18 47	13 16	2 31	11 51	4 46	16 13	1 28	24 6	0 37	21 5	0 27	21 17	0 33	2 55	0 47	21 40	0 27	7 36	11 59	19 29	19 33	7 37	18 15	4 36
S 24	18 33	8 56	3 34	12 1	4 48	15 49	1 28	24 5	0 37	21 2	0 27	21 18	0 33	2 56	0 47	21 40	0 27	7 37	11 58	19 29	19 34	7 39	18 15	4 36
S 25	18 18	4 5	4 24	12 15	4 48	15 25	1 28	24 5	0 38	21 0	0 27	21 19	0 33	2 57	0 47	21 40	0 27	7 37	11 58	19 29	19 35	7 41	18 15	4 37
M26	18 3	1n 0	4 59	12 30	4 47	15 0	1 28	24 4	0 39	20 57	0 27	21 20	0 33	2 57	0 47	21 39	0 27	7 38	11 58	19 30	19 35	7 43	18 15	4 37
T 27	17 47	6 3	5 15	12 47	4 43	14 36	1 28	24 3	0 39	20 55	0 27	21 21	0 33	2 58	0 47	21 39	0 27	7 38	11 57	19 30	19 36	7 46	18 15	4 37
W28	17 32	10 44	5 12	13 6	4 37	14 10	1 28	24 1	0 40	20 52	0 28	21 22	0 33	2 58	0 47	21 39	0 27	7 39	11 57	19 30	19 37	7 48	18 15	4 38
T 29	17 16	14 49	4 50	13 26	4 30	13 45	1 28	24 0	0 41	20 49	0 28	21 23	0 33	2 59	0 47	21 38	0 27	7 39	11 56	19 30	19 38	7 50	18 15	4 38
F 30	16 59	18 2	4 11	13 47	4 21	13 19	1 28	23 58	0 41	20 47	0 28	21 23	0 33	3 0	0 47	21 38	0 27	7 39	11 56	19 29	19 38	7 52	18 15	4 38
S 31	16n43	20n 9	3s17	14n 9	4s10	12n52	1n27	23n56	0n42	20n44	0n28	21s24	0s33	3s 0	0s47	21n38	0s27	7s40	11n55	19n29	19n39	7s55	18n15	4s39

Julian Day Number = 2179627.5, Delta T = 11m36s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'28, Lahiri = 13°28'29 Julian Calendar 1 July 1255 == Greg. Calendar 8 July 1255

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1255
geocentric

AUGUST 1255 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 5 5	14♌53'07	8♋35	7°R57	1♍15	9♋24	29♋59	26°R51	24°R14	19♋47	25♏42	3♌21	2♌34	3♏41	16♊49	S 1
M 2	21 9 2	15°50'54	22° 8	7♌21	2°29	10° 3	0♌12	26♑47	24♓12	19°49	25°42	3°22	2°31	3°47	16°52	M 2
T 3	21 12 58	16°48'42	5♌28	6°50	3°43	10°41	0°25	26°43	24°11	19°51	25°42	3°R22	2°28	3°54	16°56	T 3
W 4	21 16 55	17°46'32	18°33	6°26	4°57	11°20	0°38	26°39	24° 9	19°53	25°42	3°22	2°25	4° 1	16°59	W 4
T 5	21 20 51	18°44'23	1♍24	6° 8	6°11	11°59	0°51	26°35	24° 7	19°55	25°42	3°20	2°21	4° 7	17° 2	T 5
F 6	21 24 48	19°42'15	14° 0	5°58	7°25	12°37	1° 4	26°31	24° 5	19°57	25°42	3°18	2°18	4°14	17° 5	F 6
S 7	21 28 44	20°40'09	26°22	5°D55	8°39	13°16	1°17	26°27	24° 3	19°59	25°43	3°16	2°15	4°21	17° 9	S 7
S 8	21 32 41	21°38'04	8♎33	6° 0	9°52	13°54	1°30	26°23	24° 2	20° 1	25°43	3°13	2°12	4°28	17°12	S 8
M 9	21 36 38	22°36'01	20°34	6°13	11° 6	14°33	1°42	26°19	24° 0	20° 3	25°43	3°10	2° 9	4°34	17°15	M 9
T 10	21 40 34	23°33'59	2♏29	6°34	12°20	15°11	1°55	26°15	23°58	20° 5	25°44	3° 8	2° 6	4°41	17°18	T 10
W11	21 44 31	24°31'58	14°21	7° 3	13°34	15°49	2° 8	26°12	23°56	20° 7	25°44	3° 7	2° 2	4°48	17°21	W11
T 12	21 48 27	25°29'59	26°16	7°40	14°48	16°27	2°21	26° 8	23°54	20° 9	25°44	3°D 7	1°59	4°54	17°24	T 12
F 13	21 52 24	26°28'02	8♐18	8°25	16° 2	17° 6	2°33	26° 5	23°52	20°11	25°45	3° 7	1°56	5° 1	17°26	F 13
S 14	21 56 20	27°26'05	20°31	9°18	17°16	17°44	2°46	26° 1	23°49	20°12	25°45	3° 8	1°53	5° 8	17°29	S 14
S 15	22 0 17	28°24'10	3♑ 0	10°18	18°30	18°22	2°59	25°58	23°47	20°14	25°46	3°10	1°50	5°15	17°32	S 15
M16	22 4 13	29°22'17	15°49	11°24	19°43	19° 0	3°11	25°54	23°45	20°16	25°46	3°11	1°46	5°21	17°35	M16
T 17	22 8 10	0♒20'25	29° 0	12°37	20°57	19°38	3°24	25°51	23°43	20°18	25°47	3°R12	1°43	5°28	17°37	T 17
W18	22 12 7	1°18'35	12♓34	13°56	22°11	20°16	3°36	25°48	23°41	20°20	25°47	3°12	1°40	5°35	17°40	W18
T 19	22 16 3	2°16'46	26°31	15°21	23°25	20°54	3°49	25°45	23°39	20°21	25°48	3°10	1°37	5°42	17°42	T 19
F 20	22 20 0	3°15'00	10♈48	16°50	24°39	21°31	4° 1	25°41	23°37	20°23	25°49	3° 7	1°34	5°48	17°44	F 20
S 21	22 23 56	4°13'14	25°19	18°24	25°53	22° 9	4°13	25°38	23°34	20°25	25°49	3° 3	1°31	5°55	17°47	S 21
S 22	22 27 53	5°11'31	9♉58	20° 2	27° 6	22°47	4°26	25°36	23°32	20°27	25°50	2°59	1°27	6° 2	17°49	S 22
M23	22 31 49	6° 9'50	24°38	21°44	28°20	23°24	4°38	25°33	23°30	20°28	25°51	2°54	1°24	6° 8	17°51	M23
T 24	22 35 46	7° 8'11	9♊13	23°28	29°34	24° 2	4°50	25°30	23°28	20°30	25°52	2°51	1°21	6°15	17°53	T 24
W25	22 39 42	8° 6'34	23°37	25°14	0♎48	24°40	5° 2	25°27	23°25	20°32	25°52	2°48	1°18	6°22	17°55	W25
T 26	22 43 39	9° 5'00	7♋47	27° 3	2° 1	25°17	5°14	25°25	23°23	20°33	25°53	2°D47	1°15	6°29	17°57	T 26
F 27	22 47 35	10° 3'28	21°41	28°53	3°15	25°55	5°26	25°22	23°21	20°35	25°54	2°48	1°11	6°35	17°59	F 27
S 28	22 51 32	11° 1'58	5♌19	0♍44	4°29	26°32	5°38	25°20	23°18	20°36	25°55	2°49	1° 8	6°42	18° 1	S 28
S 29	22 55 29	12° 0'30	18°43	2°36	5°43	27° 9	5°50	25°17	23°16	20°38	25°56	2°51	1° 5	6°49	18° 2	S 29
M30	22 59 25	12°59'04	1♍52	4°28	6°56	27°46	6° 2	25°15	23°14	20°39	25°57	2°R51	1° 2	6°55	18° 4	M30
T 31	23 3 22	13♍57'40	14♍49	6♍21	8♎10	28♋24	6♌14	25♑13	23♓11	20♋41	25♏58	2♌51	0♌59	7♏ 2	18♊ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n26	21n 3	2s13	14n31	3s58	12n25	1n27	23n54	0n42	20n41	0n28	21s25	0s34	3s 1	0s47	21n37	0s27	7s40	11n55	19n29	19n40	7s57	18n15	4s39
M 2	16 9	20 42	1 2	14 53	3 44	11 58	1 26	23 52	0 43	20 39	0 28	21 26	0 34	3 2	0 47	21 37	0 27	7 41	11 54	19 29	19 41	7 59	18 15	4 40
T 3	15 52	19 10	0n12	15 16	3 29	11 31	1 26	23 50	0 44	20 36	0 28	21 27	0 34	3 3	0 47	21 37	0 27	7 41	11 54	19 29	19 41	8 2	18 15	4 40
W 4	15 34	16 38	1 23	15 37	3 13	11 3	1 25	23 47	0 44	20 33	0 28	21 28	0 34	3 3	0 47	21 37	0 27	7 42	11 53	19 29	19 42	8 4	18 15	4 40
T 5	15 16	13 20	2 29	15 58	2 57	10 35	1 24	23 44	0 45	20 31	0 28	21 29	0 34	3 4	0 47	21 36	0 27	7 42	11 53	19 29	19 43	8 6	18 15	4 41
F 6	14 58	9 29	3 26	16 17	2 39	10 7	1 24	23 42	0 46	20 28	0 29	21 29	0 34	3 5	0 47	21 36	0 27	7 43	11 52	19 30	19 43	8 8	18 14	4 41
S 7	14 40	5 18	4 12	16 35	2 21	9 38	1 23	23 38	0 46	20 25	0 29	21 30	0 34	3 5	0 47	21 36	0 27	7 43	11 52	19 30	19 44	8 11	18 14	4 42
S 8	14 21	0 59	4 46	16 51	2 3	9 10	1 22	23 35	0 47	20 22	0 29	21 31	0 34	3 6	0 47	21 35	0 27	7 44	11 51	19 31	19 45	8 13	18 14	4 42
M 9	14 2	3s19	5 7	17 6	1 45	8 41	1 21	23 32	0 48	20 20	0 29	21 32	0 34	3 7	0 47	21 35	0 27	7 44	11 51	19 32	19 46	8 15	18 14	4 42
T 10	13 43	7 27	5 15	17 18	1 27	8 11	1 20	23 28	0 48	20 17	0 29	21 33	0 34	3 8	0 47	21 35	0 27	7 45	11 50	19 32	19 46	8 17	18 14	4 43
W11	13 24	11 18	5 9	17 28	1 10	7 42	1 19	23 24	0 49	20 14	0 29	21 33	0 34	3 9	0 47	21 35	0 27	7 46	11 50	19 32	19 47	8 20	18 14	4 43
T 12	13 4	14 42	4 49	17 35	0 52	7 12	1 18	23 20	0 50	20 11	0 29	21 34	0 34	3 9	0 47	21 34	0 27	7 46	11 49	19 32	19 48	8 22	18 14	4 44
F 13	12 45	17 32	4 17	17 39	0 36	6 42	1 17	23 16	0 50	20 9	0 29	21 35	0 34	3 10	0 47	21 34	0 27	7 47	11 49	19 32	19 49	8 24	18 13	4 44
S 14	12 25	19 39	3 33	17 41	0 20	6 12	1 15	23 12	0 51	20 6	0 29	21 35	0 34	3 11	0 47	21 34	0 27	7 47	11 48	19 32	19 49	8 26	18 13	4 45
S 15	12 5	20 52	2 38	17 40	0 4	5 42	1 14	23 7	0 52	20 3	0 30	21 36	0 34	3 12	0 47	21 33	0 27	7 48	11 48	19 32	19 50	8 29	18 13	4 45
M16	11 44	21 2	1 34	17 36	0n10	5 12	1 13	23 3	0 52	20 0	0 30	21 37	0 34	3 13	0 47	21 33	0 27	7 48	11 47	19 31	19 51	8 31	18 13	4 45
T 17	11 24	20 4	0 23	17 28	0 24	4 41	1 11	22 58	0 53	19 57	0 30	21 38	0 34	3 14	0 47	21 33	0 27	7 49	11 47	19 31	19 51	8 33	18 13	4 46
W18	11 3	17 55	0s51	17 18	0 36	4 11	1 10	22 53	0 54	19 55	0 30	21 38	0 35	3 15	0 47	21 33	0 27	7 50	11 46	19 31	19 52	8 35	18 12	4 46
T 19	10 42	14 40	2 4	17 4	0 48	3 40	1 8	22 48	0 54	19 52	0 30	21 39	0 35	3 15	0 47	21 32	0 27	7 50	11 46	19 32	19 53	8 38	18 12	4 47
F 20	10 21	10 29	3 11	16 47	0 59	3 9	1 6	22 43	0 55	19 49	0 30	21 39	0 35	3 16	0 47	21 32	0 27	7 51	11 46	19 32	19 53	8 40	18 12	4 47
S 21	10 0	5 38	4 7	16 27	1 8	2 38	1 5	22 37	0 56	19 46	0 30	21 40	0 35	3 17	0 47	21 32	0 27	7 51	11 45	19 33	19 54	8 42	18 12	4 48
S 22	9 39	0 26	4 47	16 4	1 17	2 7	1 3	22 32	0 56	19 43	0 30	21 41	0 35	3 18	0 47	21 32	0 27	7 52	11 45	19 34	19 55	8 44	18 11	4 48
M23	9 17	4n48	5 8	15 39	1 24	1 36	1 1	22 26	0 57	19 41	0 31	21 41	0 35	3 19	0 47	21 31	0 27	7 53	11 44	19 35	19 56	8 47	18 11	4 49
T 24	8 56	9 44	5 10	15 11	1 31	1 5	0 59	22 20	0 57	19 38	0 31	21 42	0 35	3 20	0 47	21 31	0 27	7 53	11 44	19 36	19 56	8 49	18 11	4 49
W25	8 34	14 3	4 51	14 40	1 36	0 33	0 57	22 14	0 58	19 35	0 31	21 42	0 35	3 21	0 47	21 31	0 27	7 54	11 43	19 37	19 57	8 51	18 11	4 50
T 26	8 12	17 29	4 15	14 7	1 40	0 2	0 55	22 8	0 59	19 32	0 31	21 43	0 35	3 22	0 47	21 31	0 27	7 55	11 43	19 37	19 58	8 53	18 10	4 50
F 27	7 50	19 52	3 25	13 32	1 44	0s29	0 53	22 1	0 59	19 29	0 31	21 43	0 35	3 23	0 48	21 30	0 27	7 55	11 42	19 37	19 58	8 56	18 10	4 51
S 28	7 27	21 2	2 24	12 55	1 47	1 0	0 51	21 55	1 0	19 27	0 31	21 44	0 35	3 24	0 48	21 30	0 27	7 56	11 42	19 36	19 59	8 58	18 10	4 51
S 29	7 5	20 58	1 16	12 16	1 48	1 32	0 49	21 48	1 1	19 24	0 31	21 44	0 35	3 25	0 48	21 30	0 27	7 57	11 41	19 36	20 0	9 0	18 9	4 51
M30	6 43	19 44	0 5	11 36	1 49	2 3	0 47	21 42	1 1	19 21	0 32	21 45	0 35	3 26	0 48	21 30	0 27	7 57	11 41	19 36	20 0	9 2	18 9	4 52
T 31	6n20	17n29	1n 4	10n55	1n50	2s34	0n44	21n35	1n 2	19n18	0n32	21s45	0s35	3s27	0s48	21n29	0s27	7s58	11n40	19n36	20n 1	9s 5	18n 9	4s52

Julian Day Number = 2179658.5, Delta T = 11m36s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'33, Lahiri = 13°28'33 Julian Calendar 1 Aug. 1255 == Greg. Calendar 8 Aug. 1255

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ASTRODIENST EPHEMERIS for the year 1255
geocentric

SEPTEMBER 1255 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 7 18	14♍56'19	27♌33	8♍14	9♎24	29♋ 1	6♌25	25°R11	23°R 9	20♋42	25♏59	2°R48	0♌56	7♏ 9	18♊ 7	W 1
T 2	23 11 15	15°54'59	10♍ 7	10° 6	10°38	29°38	6°37	25♂ 9	23♓ 6	20°44	26° 0	2♌43	0°52	7°16	18° 9	T 2
F 3	23 15 11	16°53'42	22°30	11°58	11°51	0♌15	6°49	25° 7	23° 4	20°45	26° 1	2°36	0°49	7°22	18°10	F 3
S 4	23 19 8	17°52'26	4♎44	13°50	13° 5	0°52	7° 0	25° 5	23° 2	20°47	26° 2	2°28	0°46	7°29	18°11	S 4
S 5	23 23 4	18°51'13	16°49	15°41	14°19	1°29	7°11	25° 3	22°59	20°48	26° 4	2°19	0°43	7°36	18°12	S 5
M 6	23 27 1	19°50'01	28°46	17°31	15°32	2° 6	7°23	25° 1	22°57	20°49	26° 5	2°11	0°40	7°43	18°14	M 6
T 7	23 30 58	20°48'51	10♏39	19°20	16°46	2°42	7°34	25° 0	22°54	20°51	26° 6	2° 3	0°37	7°49	18°15	T 7
W 8	23 34 54	21°47'43	22°30	21° 9	18° 0	3°19	7°45	24°58	22°52	20°52	26° 7	1°57	0°33	7°56	18°16	W 8
T 9	23 38 51	22°46'37	4♐22	22°57	19°13	3°56	7°56	24°57	22°50	20°53	26° 9	1°53	0°30	8° 3	18°16	T 9
F 10	23 42 47	23°45'33	16°21	24°44	20°27	4°32	8° 8	24°56	22°47	20°55	26°10	1°51	0°27	8° 9	18°17	F 10
S 11	23 46 44	24°44'30	28°30	26°30	21°41	5° 9	8°18	24°55	22°45	20°56	26°11	1°D51	0°24	8°16	18°18	S 11
S 12	23 50 40	25°43'29	10♑56	28°16	22°54	5°45	8°29	24°53	22°42	20°57	26°13	1°51	0°21	8°23	18°19	S 12
M13	23 54 37	26°42'31	23°42	0♎ 0	24° 8	6°22	8°40	24°52	22°40	20°58	26°14	1°52	0°17	8°30	18°19	M13
T 14	23 58 33	27°41'33	6♒53	1°44	25°21	6°58	8°51	24°52	22°37	20°59	26°15	1°R52	0°14	8°36	18°20	T 14
W15	0 2 30	28°40'38	20°32	3°27	26°35	7°34	9° 2	24°51	22°35	21° 0	26°17	1°51	0°11	8°43	18°20	W15
T 16	0 6 27	29°39'45	4♓38	5° 9	27°48	8°11	9°12	24°50	22°33	21° 1	26°18	1°47	0° 8	8°50	18°20	T 16
F 17	0 10 23	0♎38'53	19°11	6°50	29° 2	8°47	9°23	24°50	22°30	21° 2	26°20	1°41	0° 5	8°56	18°21	F 17
S 18	0 14 20	1°38'03	4♈ 3	8°30	0♏15	9°23	9°33	24°49	22°28	21° 3	26°21	1°33	0° 2	9° 3	18°21	S 18
S 19	0 18 16	2°37'16	19° 7	10° 9	1°29	9°59	9°43	24°49	22°26	21° 4	26°23	1°23	29♋58	9°10	18°21	S 19
M20	0 22 13	3°36'31	4♉13	11°48	2°42	10°35	9°53	24°48	22°23	21° 5	26°25	1°14	29°55	9°17	18°R21	M20
T 21	0 26 9	4°35'47	19°10	13°26	3°56	11°11	10° 4	24°48	22°21	21° 6	26°26	1° 6	29°52	9°23	18°21	T 21
W22	0 30 6	5°35'07	3♊52	15° 3	5° 9	11°46	10°14	24°D48	22°18	21° 7	26°28	1° 0	29°49	9°30	18°21	W22
T 23	0 34 2	6°34'29	18°12	16°39	6°23	12°22	10°23	24°48	22°16	21° 8	26°30	0°56	29°46	9°37	18°21	T 23
F 24	0 37 59	7°33'53	2♋ 8	18°15	7°36	12°58	10°33	24°48	22°14	21° 9	26°31	0°D55	29°43	9°44	18°20	F 24
S 25	0 41 56	8°33'19	15°42	19°50	8°49	13°34	10°43	24°48	22°12	21° 9	26°33	0°55	29°39	9°50	18°20	S 25
S 26	0 45 52	9°32'48	28°54	21°24	10° 3	14° 9	10°53	24°49	22° 9	21°10	26°35	0°R55	29°36	9°57	18°20	S 26
M27	0 49 49	10°32'19	11♌49	22°58	11°16	14°45	11° 2	24°49	22° 7	21°11	26°36	0°55	29°33	10° 4	18°19	M27
T 28	0 53 45	11°31'53	24°29	24°31	12°30	15°20	11°11	24°50	22° 5	21°12	26°38	0°52	29°30	10°10	18°18	T 28
W29	0 57 42	12°31'28	6♍57	26° 3	13°43	15°55	11°21	24°50	22° 3	21°12	26°40	0°47	29°27	10°17	18°18	W29
T 30	1 1 38	13♎31'06	19♍15	27♎35	14♏56	16♌31	11♌30	24♂51	22♓ 0	21♋13	26♏42	0♌39	29♋23	10♏24	18♊17	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	5n57	14n24	2n10	10n12	1n49	3s 6	0n42	21n28	1n 3	19n15	0n32	21s46	0s35	3s27	0s48	21n29	0s27	7s59	11n40	19n37	20n 2	9s 7	18n 8	4s53	W 1
T 2	5 35	10 42	3 8	9 29	1 48	3 37	0 40	21 21	1 3	19 13	0 32	21 46	0 35	3 28	0 48	21 29	0 27	7 59	11 40	19 38	20 3	9 9	18 8	4 53	T 2
F 3	5 12	6 35	3 56	8 44	1 46	4 8	0 37	21 13	1 4	19 10	0 32	21 46	0 35	3 29	0 48	21 29	0 27	8 0	11 39	19 39	20 3	9 11	18 8	4 54	F 3
S 4	4 49	2 16	4 32	7 59	1 44	4 39	0 35	21 6	1 5	19 7	0 32	21 47	0 35	3 30	0 48	21 29	0 27	8 1	11 39	19 41	20 4	9 14	18 7	4 54	S 4
S 5	4 26	2s 5	4 56	7 13	1 41	5 10	0 33	20 58	1 5	19 4	0 32	21 47	0 35	3 31	0 48	21 28	0 27	8 1	11 38	19 43	20 5	9 16	18 7	4 55	S 5
M 6	4 3	6 18	5 6	6 27	1 38	5 41	0 30	20 51	1 6	19 1	0 33	21 47	0 35	3 32	0 48	21 28	0 27	8 2	11 38	19 45	20 5	9 18	18 6	4 55	M 6
T 7	3 39	10 16	5 3	5 41	1 34	6 12	0 27	20 43	1 7	18 59	0 33	21 48	0 35	3 33	0 48	21 28	0 27	8 3	11 37	19 47	20 6	9 20	18 6	4 56	T 7
W 8	3 16	13 50	4 48	4 54	1 30	6 42	0 25	20 35	1 7	18 56	0 33	21 48	0 35	3 34	0 48	21 28	0 27	8 3	11 37	19 48	20 7	9 23	18 6	4 56	W 8
T 9	2 53	16 51	4 19	4 7	1 26	7 13	0 22	20 27	1 8	18 53	0 33	21 48	0 35	3 35	0 48	21 28	0 27	8 4	11 36	19 49	20 7	9 25	18 5	4 57	T 9
F 10	2 29	19 12	3 40	3 20	1 21	7 43	0 20	20 19	1 9	18 50	0 33	21 49	0 35	3 36	0 48	21 27	0 27	8 5	11 36	19 50	20 8	9 27	18 5	4 57	F 10
S 11	2 6	20 42	2 49	2 33	1 16	8 13	0 17	20 11	1 9	18 48	0 33	21 49	0 35	3 37	0 48	21 27	0 27	8 6	11 36	19 50	20 9	9 29	18 4	4 58	S 11
S 12	1 42	21 15	1 50	1 46	1 10	8 43	0 14	20 2	1 10	18 45	0 33	21 49	0 36	3 38	0 48	21 27	0 27	8 6	11 35	19 50	20 9	9 32	18 4	4 58	S 12
M13	1 19	20 44	0 44	0 59	1 5	9 13	0 11	19 54	1 11	18 42	0 34	21 49	0 36	3 39	0 48	21 27	0 27	8 7	11 35	19 49	20 10	9 34	18 4	4 59	M13
T 14	0 55	19 4	0s27	0 13	0 59	9 43	0 9	19 45	1 11	18 40	0 34	21 49	0 36	3 40	0 48	21 27	0 27	8 8	11 34	19 49	20 11	9 36	18 3	4 59	T 14
W15	0 32	16 15	1 38	0s34	0 53	10 12	0 6	19 37	1 12	18 37	0 34	21 50	0 36	3 41	0 48	21 26	0 27	8 8	11 34	19 50	20 11	9 38	18 3	5 0	W15
T 16	0 8	12 25	2 46	1 20	0 47	10 41	0 3	19 28	1 13	18 34	0 34	21 50	0 36	3 42	0 47	21 26	0 27	8 9	11 34	19 51	20 12	9 41	18 2	5 0	T 16
F 17	0s16	7 44	3 45	2 6	0 41	11 10	0 0	19 19	1 13	18 32	0 34	21 50	0 36	3 43	0 47	21 26	0 27	8 10	11 33	19 52	20 13	9 43	18 2	5 1	F 17
S 18	0 39	2 30	4 30	2 52	0 34	11 39	0s 3	19 10	1 14	18 29	0 34	21 50	0 36	3 44	0 47	21 26	0 27	8 11	11 33	19 54	20 14	9 45	18 1	5 1	S 18
S 19	1 3	2n56	4 57	3 37	0 28	12 7	0 6	19 1	1 15	18 26	0 35	21 50	0 36	3 45	0 47	21 26	0 27	8 11	11 32	19 56	20 14	9 47	18 1	5 2	S 19
M20	1 26	8 13	5 3	4 22	0 21	12 36	0 8	18 52	1 16	18 24	0 35	21 50	0 36	3 46	0 47	21 26	0 27	8 12	11 32	19 58	20 15	9 50	18 0	5 2	M20
T 21	1 50	12 57	4 49	5 6	0 14	13 3	0 11	18 43	1 16	18 21	0 35	21 50	0 36	3 46	0 47	21 26	0 27	8 13	11 32	20 0	20 16	9 52	18 0	5 3	T 21
W22	2 14	16 49	4 15	5 50	0 7	13 31	0 14	18 33	1 17	18 19	0 35	21 50	0 36	3 47	0 47	21 25	0 27	8 13	11 31	20 1	20 16	9 54	17 59	5 3	W22
T 23	2 37	19 35	3 27	6 34	0 1	13 58	0 17	18 24	1 18	18 16	0 35	21 50	0 36	3 48	0 47	21 25	0 27	8 14	11 31	20 2	20 17	9 56	17 59	5 4	T 23
F 24	3 1	21 4	2 27	7 17	0s 6	14 25	0 20	18 14	1 18	18 14	0 35	21 50	0 36	3 49	0 47	21 25	0 27	8 15	11 30	20 2	20 18	9 59	17 58	5 4	F 24
S 25	3 24	21 17	1 20	7 59	0 13	14 52	0 23	18 5	1 19	18 11	0 36	21 50	0 36	3 50	0 47	21 25	0 27	8 16	11 30	20 2	20 18	10 1	17 58	5 5	S 25
S 26	3 48	20 17	0 11	8 41	0 20	15 18	0 26	17 55	1 20	18 9	0 36	21 50	0 36	3 51	0 47	21 25	0 27	8 16	11 30	20 2	20 19	10 3	17 57	5 5	S 26
M27	4 11	18 14	0n58	9 23	0 27	15 44	0 29	17 45	1 20	18 6	0 36	21 50	0 36	3 52	0 47	21 25	0 27	8 17	11 29	20 2	20 20	10 5	17 57	5 6	M27
T 28	4 35	15 19	2 2	10 4	0 34	16 9	0 32	17 36	1 21	18 4	0 36	21 50	0 36	3 53	0 47	21 25	0 27	8 18	11 29	20 3	20 20	10 7	17 56	5 6	T 28
W29	4 58	11 45	2 59	10 44	0 41	16 35	0 35	17 26	1 22	18 2	0 36	21 50	0 36	3 54	0 47	21 25	0 27	8 19	11 29	20 4	20 21	10 10	17 56	5 7	W29
T 30	5s21	7n44	3n46	11s24	0s48	16s59	0s38	17n16	1n22	17n59	0n36	21s50	0s36	3s54	0s47	21n24	0s27	8s19	11n28	20n 5	20n22	10s12	17n55	5s 7	T 30

Julian Day Number = 2179689.5, Delta T = 11m36s
Ecliptic obliquity = 23°32'05, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'37, Lahiri = 13°28'37 Julian Calendar 1 Sept. 1255 == Greg. Calendar 8 Sept. 1255

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ASTRODIENST EPHEMERIS for the year 1255
geocentric

OCTOBER 1255 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 5 35	14♎30'46	1♎25	29♎ 6	16♏10	17♌ 6	11♌39	24♑52	21°R58	21♋13	26♏44	0°R29	29♋20	10♏31	18°R16	F 1
S 2	1 9 31	15°30'28	13°29	0♏36	17°23	17°41	11°48	24°53	21♓56	21°14	26°46	0♌16	29°17	10°37	18♊15	S 2
S 3	1 13 28	16°30'12	25°27	2° 6	18°36	18°16	11°57	24°54	21°54	21°14	26°47	0° 1	29°14	10°44	18°14	S 3
M 4	1 17 24	17°29'59	7♏21	3°35	19°49	18°51	12° 5	24°55	21°52	21°15	26°49	29♋47	29°11	10°51	18°13	M 4
T 5	1 21 21	18°29'47	19°12	5° 3	21° 3	19°26	12°14	24°56	21°50	21°15	26°51	29°34	29° 8	10°57	18°12	T 5
W 6	1 25 18	19°29'37	1♐ 3	6°31	22°16	20° 0	12°22	24°57	21°48	21°16	26°53	29°24	29° 4	11° 4	18°11	W 6
T 7	1 29 14	20°29'29	12°55	7°58	23°29	20°35	12°31	24°59	21°45	21°16	26°55	29°16	29° 1	11°11	18° 9	T 7
F 8	1 33 11	21°29'22	24°52	9°25	24°42	21°10	12°39	25° 0	21°43	21°17	26°57	29°11	28°58	11°18	18° 8	F 8
S 9	1 37 7	22°29'18	6♑59	10°50	25°55	21°44	12°47	25° 2	21°41	21°17	26°59	29° 8	28°55	11°24	18° 6	S 9
S 10	1 41 4	23°29'15	19°19	12°16	27° 8	22°19	12°55	25° 4	21°40	21°17	27° 1	29° 7	28°52	11°31	18° 5	S 10
M11	1 45 0	24°29'13	2♒ 0	13°40	28°21	22°53	13° 3	25° 6	21°38	21°17	27° 3	29° 7	28°48	11°38	18° 3	M11
T 12	1 48 57	25°29'14	15° 4	15° 3	29°35	23°27	13°10	25° 7	21°36	21°18	27° 5	29° 7	28°45	11°45	18° 2	T 12
W13	1 52 53	26°29'16	28°37	16°26	0♗48	24° 1	13°18	25° 9	21°34	21°18	27° 7	29° 4	28°42	11°51	18° 0	W13
T 14	1 56 50	27°29'19	12♓39	17°47	2° 1	24°35	13°25	25°12	21°32	21°18	27°10	29° 0	28°39	11°58	17°58	T 14
F 15	2 0 47	28°29'25	27°12	19° 8	3°14	25° 9	13°32	25°14	21°30	21°18	27°12	28°52	28°36	12° 5	17°56	F 15
S 16	2 4 43	29°29'31	12♈10	20°28	4°26	25°43	13°40	25°16	21°28	21°18	27°14	28°42	28°33	12°11	17°54	S 16
S 17	2 8 40	0♏29'40	27°25	21°46	5°39	26°17	13°46	25°19	21°27	21°18	27°16	28°31	28°29	12°18	17°52	S 17
M18	2 12 36	1°29'51	12♉46	23° 3	6°52	26°51	13°53	25°21	21°25	21°R18	27°18	28°20	28°26	12°25	17°50	M18
T 19	2 16 33	2°30'03	28° 2	24°19	8° 5	27°24	14° 0	25°24	21°23	21°18	27°20	28° 9	28°23	12°32	17°48	T 19
W20	2 20 29	3°30'17	13♊ 1	25°33	9°18	27°58	14° 7	25°26	21°22	21°18	27°22	28° 1	28°20	12°38	17°46	W20
T 21	2 24 26	4°30'34	27°37	26°45	10°31	28°31	14°13	25°29	21°20	21°18	27°25	27°56	28°17	12°45	17°43	T 21
F 22	2 28 22	5°30'52	11♋45	27°56	11°43	29° 5	14°19	25°32	21°19	21°18	27°27	27°54	28°14	12°52	17°41	F 22
S 23	2 32 19	6°31'13	25°25	29° 4	12°56	29°38	14°25	25°35	21°17	21°18	27°29	27°D53	28°10	12°58	17°39	S 23
S 24	2 36 16	7°31'36	8♌38	0♐10	14° 9	0♍11	14°31	25°38	21°16	21°17	27°31	27°R53	28° 7	13° 5	17°36	S 24
M25	2 40 12	8°32'00	21°30	1°13	15°22	0°44	14°37	25°41	21°14	21°17	27°34	27°53	28° 4	13°12	17°33	M25
T 26	2 44 9	9°32'26	4♍ 2	2°12	16°34	1°17	14°43	25°44	21°13	21°17	27°36	27°50	28° 1	13°19	17°31	T 26
W27	2 48 5	10°32'55	16°21	3° 9	17°47	1°50	14°48	25°48	21°12	21°17	27°38	27°45	27°58	13°25	17°28	W27
T 28	2 52 2	11°33'25	28°29	4° 1	18°59	2°22	14°53	25°51	21°10	21°16	27°40	27°37	27°54	13°32	17°25	T 28
F 29	2 55 58	12°33'57	10♎30	4°49	20°12	2°55	14°58	25°55	21° 9	21°16	27°43	27°27	27°51	13°39	17°23	F 29
S 30	2 59 55	13°34'30	22°27	5°32	21°24	3°27	15° 3	25°58	21° 8	21°16	27°45	27°14	27°48	13°45	17°20	S 30
S 31	3 3 51	14♏35'06	4♏20	6♐10	22♐37	4♍ 0	15♌ 8	26♑ 2	21♓ 7	21♋15	27♏47	27♋ 0	27♋45	13♏52	17♊17	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s45	3n27	4n23	12s 3	0s55	17s24	0s41	17n 6	1n23	17n57	0n37	21s50	0s36	3s55	0s47	21n24	0s27	8s20	11n28	20n 8	20n22	10s14	17n54	5s 8
S 2	6 8	0s56	4 48	12 41	1 1	17 47	0 44	16 55	1 24	17 55	0 37	21 50	0 36	3 56	0 47	21 24	0 27	8 21	11 28	20 11	20 23	10 16	17 54	5 8
S 3	6 31	5 14	4 59	13 19	1 8	18 11	0 47	16 45	1 25	17 52	0 37	21 50	0 36	3 57	0 47	21 24	0 27	8 21	11 27	20 14	20 24	10 19	17 53	5 9
M 4	6 54	9 20	4 57	13 56	1 15	18 34	0 50	16 35	1 25	17 50	0 37	21 49	0 36	3 58	0 47	21 24	0 27	8 22	11 27	20 17	20 24	10 21	17 53	5 9
T 5	7 17	13 3	4 43	14 32	1 21	18 56	0 53	16 25	1 26	17 48	0 37	21 49	0 36	3 59	0 47	21 24	0 27	8 23	11 27	20 19	20 25	10 23	17 52	5 10
W 6	7 39	16 16	4 16	15 7	1 27	19 18	0 56	16 14	1 27	17 46	0 38	21 49	0 36	3 59	0 47	21 24	0 27	8 24	11 26	20 22	20 26	10 25	17 52	5 10
T 7	8 2	18 50	3 38	15 42	1 34	19 40	0 59	16 4	1 27	17 43	0 38	21 49	0 36	4 0	0 47	21 24	0 27	8 24	11 26	20 23	20 26	10 27	17 51	5 10
F 8	8 25	20 36	2 50	16 16	1 40	20 1	1 2	15 54	1 28	17 41	0 38	21 48	0 36	4 1	0 47	21 24	0 27	8 25	11 26	20 24	20 27	10 30	17 50	5 11
S 9	8 47	21 27	1 54	16 49	1 46	20 21	1 4	15 43	1 29	17 39	0 38	21 48	0 36	4 2	0 47	21 24	0 27	8 26	11 25	20 25	20 28	10 32	17 50	5 11
S 10	9 9	21 17	0 52	17 21	1 51	20 41	1 7	15 32	1 30	17 37	0 38	21 48	0 36	4 2	0 47	21 24	0 27	8 27	11 25	20 25	20 28	10 34	17 49	5 12
M11	9 32	20 2	0s15	17 52	1 57	21 1	1 10	15 22	1 30	17 35	0 39	21 48	0 36	4 3	0 47	21 24	0 27	8 27	11 25	20 25	20 29	10 36	17 49	5 12
T 12	9 54	17 42	1 23	18 22	2 2	21 20	1 13	15 11	1 31	17 33	0 39	21 47	0 36	4 4	0 47	21 24	0 27	8 28	11 25	20 25	20 29	10 39	17 48	5 13
W13	10 16	14 20	2 29	18 51	2 7	21 38	1 16	15 0	1 32	17 31	0 39	21 47	0 36	4 5	0 47	21 24	0 27	8 29	11 24	20 26	20 30	10 41	17 47	5 13
T 14	10 37	10 2	3 28	19 19	2 12	21 55	1 18	14 50	1 32	17 29	0 39	21 46	0 36	4 5	0 47	21 24	0 27	8 29	11 24	20 27	20 31	10 43	17 47	5 14
F 15	10 59	5 2	4 16	19 46	2 17	22 13	1 21	14 39	1 33	17 27	0 39	21 46	0 36	4 6	0 47	21 24	0 27	8 30	11 24	20 28	20 31	10 45	17 46	5 14
S 16	11 20	0n25	4 48	20 12	2 21	22 29	1 24	14 28	1 34	17 25	0 40	21 46	0 36	4 7	0 47	21 24	0 27	8 31	11 23	20 30	20 32	10 47	17 46	5 15
S 17	11 41	5 56	5 0	20 37	2 25	22 45	1 26	14 17	1 35	17 24	0 40	21 45	0 36	4 7	0 47	21 24	0 27	8 32	11 23	20 32	20 33	10 50	17 45	5 15
M18	12 3	11 7	4 51	21 1	2 29	23 0	1 29	14 6	1 35	17 22	0 40	21 45	0 36	4 8	0 47	21 24	0 27	8 32	11 23	20 35	20 33	10 52	17 44	5 15
T 19	12 23	15 34	4 21	21 23	2 32	23 15	1 31	13 55	1 36	17 20	0 40	21 44	0 36	4 9	0 47	21 24	0 27	8 33	11 23	20 37	20 34	10 54	17 44	5 16
W20	12 44	18 56	3 33	21 44	2 35	23 29	1 34	13 45	1 37	17 18	0 40	21 44	0 36	4 9	0 47	21 24	0 27	8 34	11 23	20 38	20 35	10 56	17 43	5 16
T 21	13 4	20 58	2 33	22 4	2 38	23 42	1 36	13 34	1 38	17 17	0 41	21 43	0 36	4 10	0 47	21 24	0 27	8 34	11 22	20 39	20 35	10 59	17 43	5 17
F 22	13 25	21 37	1 24	22 22	2 40	23 55	1 39	13 23	1 38	17 15	0 41	21 43	0 36	4 10	0 47	21 24	0 27	8 35	11 22	20 40	20 36	11 1	17 42	5 17
S 23	13 45	20 56	0 13	22 39	2 41	24 7	1 41	13 12	1 39	17 13	0 41	21 42	0 36	4 11	0 47	21 24	0 27	8 36	11 22	20 40	20 37	11 3	17 41	5 17
S 24	14 5	19 5	0n57	22 54	2 42	24 18	1 43	13 1	1 40	17 12	0 41	21 42	0 36	4 12	0 47	21 24	0 27	8 36	11 22	20 40	20 37	11 5	17 41	5 18
M25	14 24	16 19	2 1	23 8	2 43	24 29	1 46	12 49	1 41	17 10	0 41	21 41	0 36	4 12	0 47	21 24	0 27	8 37	11 21	20 40	20 38	11 7	17 40	5 18
T 26	14 44	12 50	2 59	23 20	2 42	24 38	1 48	12 38	1 41	17 9	0 42	21 41	0 36	4 13	0 47	21 24	0 27	8 38	11 21	20 41	20 38	11 10	17 39	5 19
W27	15 3	8 53	3 46	23 30	2 41	24 48	1 50	12 27	1 42	17 8	0 42	21 40	0 36	4 13	0 47	21 24	0 27	8 38	11 21	20 42	20 39	11 12	17 39	5 19
T 28	15 22	4 37	4 23	23 39	2 39	24 56	1 52	12 16	1 43	17 6	0 42	21 39	0 36	4 14	0 47	21 24	0 27	8 39	11 21	20 43	20 40	11 14	17 38	5 19
F 29	15 40	0 14	4 48	23 45	2 36	25 4	1 54	12 5	1 44	17 5	0 42	21 39	0 36	4 14	0 47	21 24	0 27	8 40	11 21	20 45	20 40	11 16	17 38	5 20
S 30	15 59	4s 8	4 59	23 49	2 33	25 11	1 56	11 54	1 45	17 4	0 43	21 38	0 36	4 14	0 46	21 24	0 27	8 40	11 20	20 48	20 41	11 18	17 37	5 20
S 31	16s17	8s20	4n58	23s51	2s28	25s17	1s58	11n43	1n45	17n 3	0n43	21s37	0s36	4s15	0s46	21n24	0s27	8s41	11n20	20n50	20n42	11s21	17n36	5s20

Julian Day Number = 2179719.5, Delta T = 11m36s
Ecliptic obliquity = 23°32'05, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'41, Lahiri = 13°28'41 Julian Calendar 1 Oct. 1255 == Greg. Calendar 8 Oct. 1255

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ASTRODIENST EPHEMERIS for the year 1255
geocentric

NOVEMBER 1255 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 7 48	15♏35'43	16♏12	6♐41	23♐49	4♍32	15♌13	26♑ 6	21°R 6	21°R15	27♏50	26°R46	27♋42	13♏59	17°R14	M 1
T 2	3 11 45	16°36'21	28° 3	7° 5	25° 2	5° 4	15°17	26°10	21♓ 4	21♋14	27°52	26♋33	27°39	14° 6	17♊11	T 2
W 3	3 15 41	17°37'01	9♐56	7°21	26°14	5°36	15°21	26°13	21° 3	21°14	27°54	26°22	27°35	14°12	17° 8	W 3
T 4	3 19 38	18°37'42	21°52	7°R29	27°26	6° 8	15°26	26°17	21° 2	21°13	27°56	26°14	27°32	14°19	17° 5	T 4
F 5	3 23 34	19°38'25	3♑54	7°27	28°39	6°40	15°29	26°22	21° 1	21°12	27°59	26° 9	27°29	14°26	17° 2	F 5
S 6	3 27 31	20°39'09	16° 3	7°16	29°51	7°11	15°33	26°26	21° 1	21°12	28° 1	26° 6	27°26	14°32	16°58	S 6
S 7	3 31 27	21°39'54	28°25	6°53	1♑ 3	7°43	15°37	26°30	21° 0	21°11	28° 3	26°D 6	27°23	14°39	16°55	S 7
M 8	3 35 24	22°40'40	11♒ 3	6°20	2°15	8°14	15°40	26°34	20°59	21°11	28° 6	26° 6	27°20	14°46	16°52	M 8
T 9	3 39 20	23°41'27	24° 2	5°37	3°27	8°45	15°43	26°39	20°58	21°10	28° 8	26°R 7	27°16	14°53	16°48	T 9
W10	3 43 17	24°42'15	7♓26	4°43	4°39	9°16	15°46	26°43	20°58	21° 9	28°11	26° 6	27°13	14°59	16°45	W10
T 11	3 47 14	25°43'04	21°17	3°39	5°51	9°47	15°49	26°48	20°57	21° 8	28°13	26° 3	27°10	15° 6	16°42	T 11
F 12	3 51 10	26°43'54	5♈36	2°27	7° 3	10°18	15°52	26°53	20°56	21° 7	28°15	25°58	27° 7	15°13	16°38	F 12
S 13	3 55 7	27°44'45	20°22	1° 9	8°14	10°48	15°54	26°57	20°56	21° 7	28°18	25°51	27° 4	15°19	16°35	S 13
S 14	3 59 3	28°45'37	5♉28	29♏47	9°26	11°19	15°57	27° 2	20°55	21° 6	28°20	25°42	27° 0	15°26	16°31	S 14
M15	4 3 0	29°46'29	20°46	28°24	10°38	11°49	15°59	27° 7	20°55	21° 5	28°22	25°33	26°57	15°33	16°28	M15
T 16	4 6 56	0♐47'23	6♊ 4	27° 3	11°49	12°19	16° 0	27°12	20°54	21° 4	28°25	25°25	26°54	15°40	16°24	T 16
W17	4 10 53	1°48'19	21°10	25°47	13° 1	12°49	16° 2	27°17	20°54	21° 3	28°27	25°18	26°51	15°46	16°20	W17
T 18	4 14 49	2°49'15	5♋57	24°37	14°12	13°19	16° 4	27°22	20°54	21° 2	28°29	25°14	26°48	15°53	16°17	T 18
F 19	4 18 46	3°50'12	20°17	23°36	15°23	13°49	16° 5	27°27	20°54	21° 1	28°32	25°D13	26°45	16° 0	16°13	F 19
S 20	4 22 43	4°51'11	4♌ 9	22°46	16°35	14°18	16° 6	27°32	20°53	21° 0	28°34	25°13	26°41	16° 7	16° 9	S 20
S 21	4 26 39	5°52'11	17°31	22° 6	17°46	14°48	16° 7	27°38	20°53	20°59	28°36	25°14	26°38	16°13	16° 6	S 21
M22	4 30 36	6°53'12	0♍28	21°38	18°57	15°17	16° 8	27°43	20°53	20°58	28°39	25°15	26°35	16°20	16° 2	M22
T 23	4 34 32	7°54'14	13° 4	21°20	20° 8	15°46	16° 8	27°48	20°D53	20°57	28°41	25°R15	26°32	16°27	15°58	T 23
W24	4 38 29	8°55'17	25°21	21°D14	21°19	16°14	16° 9	27°54	20°53	20°55	28°43	25°14	26°29	16°33	15°54	W24
T 25	4 42 25	9°56'21	7♎27	21°18	22°30	16°43	16°R 9	27°59	20°53	20°54	28°46	25°10	26°25	16°40	15°51	T 25
F 26	4 46 22	10°57'26	19°24	21°32	23°40	17°12	16° 9	28° 5	20°53	20°53	28°48	25° 4	26°22	16°47	15°47	F 26
S 27	4 50 18	11°58'32	1♏16	21°54	24°51	17°40	16° 9	28°11	20°53	20°52	28°50	24°57	26°19	16°54	15°43	S 27
S 28	4 54 15	12°59'39	13° 7	22°24	26° 2	18° 8	16° 8	28°16	20°54	20°51	28°53	24°48	26°16	17° 0	15°39	S 28
M29	4 58 12	14° 0'47	24°59	23° 1	27°12	18°36	16° 8	28°22	20°54	20°49	28°55	24°40	26°13	17° 7	15°36	M29
T 30	5 2 8	15♐ 1'55	6♐54	23♏44	28♑22	19♍ 3	16♌ 7	28♑28	20♓54	20♋48	28♏57	24♋32	26♋10	17♏14	15♊32	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s34	12s13	4n44	23s50	2s22	25s23	2s 0	11n32	1n46	17n 1	0n43	21s37	0s37	4s15	0s46	21n24	0s27	8s42	11n20	20n53	20n42	11s23	17n36	5s21
T 2	16 52	15 38	4 17	23 47	2 15	25 28	2 1	11 21	1 47	17 0	0 43	21 36	0 37	4 16	0 46	21 24	0 27	8 42	11 20	20 56	20 43	11 25	17 35	5 21
W 3	17 9	18 25	3 39	23 42	2 6	25 32	2 3	11 10	1 48	16 59	0 44	21 35	0 37	4 16	0 46	21 24	0 27	8 43	11 20	20 58	20 44	11 27	17 35	5 21
T 4	17 26	20 26	2 51	23 33	1 56	25 35	2 5	10 59	1 49	16 58	0 44	21 35	0 37	4 16	0 46	21 24	0 27	8 44	11 20	20 59	20 44	11 29	17 34	5 22
F 5	17 43	21 33	1 55	23 22	1 45	25 38	2 6	10 48	1 49	16 57	0 44	21 34	0 37	4 17	0 46	21 24	0 27	8 44	11 20	21 0	20 45	11 32	17 33	5 22
S 6	17 59	21 41	0 53	23 7	1 32	25 40	2 7	10 37	1 50	16 56	0 44	21 33	0 37	4 17	0 46	21 24	0 27	8 45	11 19	21 1	20 45	11 34	17 33	5 22
S 7	18 15	20 46	0s12	22 49	1 17	25 41	2 9	10 26	1 51	16 56	0 44	21 32	0 37	4 17	0 46	21 25	0 27	8 45	11 19	21 1	20 46	11 36	17 32	5 23
M 8	18 31	18 47	1 19	22 27	1 1	25 41	2 10	10 15	1 52	16 55	0 45	21 31	0 37	4 18	0 46	21 25	0 27	8 46	11 19	21 1	20 47	11 38	17 31	5 23
T 9	18 46	15 49	2 23	22 2	0 44	25 41	2 11	10 4	1 53	16 54	0 45	21 31	0 37	4 18	0 46	21 25	0 27	8 47	11 19	21 1	20 47	11 40	17 31	5 23
W10	19 1	11 56	3 22	21 34	0 25	25 39	2 12	9 53	1 53	16 53	0 45	21 30	0 37	4 18	0 46	21 25	0 27	8 47	11 19	21 1	20 48	11 43	17 30	5 24
T 11	19 16	7 19	4 11	21 3	0 5	25 38	2 13	9 42	1 54	16 53	0 45	21 29	0 37	4 18	0 46	21 25	0 27	8 48	11 19	21 1	20 49	11 45	17 30	5 24
F 12	19 30	2 8	4 46	20 29	0n15	25 35	2 14	9 31	1 55	16 52	0 46	21 28	0 37	4 19	0 46	21 25	0 27	8 48	11 19	21 2	20 49	11 47	17 29	5 24
S 13	19 44	3n18	5 3	19 53	0 36	25 32	2 15	9 20	1 56	16 52	0 46	21 27	0 37	4 19	0 46	21 25	0 27	8 49	11 19	21 4	20 50	11 49	17 28	5 24
S 14	19 58	8 40	5 0	19 16	0 56	25 27	2 16	9 9	1 57	16 51	0 46	21 26	0 37	4 19	0 46	21 25	0 27	8 50	11 19	21 5	20 50	11 51	17 28	5 25
M15	20 11	13 34	4 36	18 40	1 15	25 23	2 17	8 58	1 58	16 51	0 46	21 25	0 37	4 19	0 46	21 26	0 27	8 50	11 19	21 7	20 51	11 53	17 27	5 25
T 16	20 24	17 36	3 52	18 4	1 34	25 17	2 17	8 47	1 58	16 51	0 47	21 24	0 37	4 19	0 46	21 26	0 27	8 51	11 18	21 8	20 52	11 56	17 27	5 25
W17	20 36	20 23	2 52	17 30	1 50	25 11	2 18	8 37	1 59	16 50	0 47	21 23	0 37	4 19	0 46	21 26	0 27	8 51	11 18	21 10	20 52	11 58	17 26	5 25
T 18	20 48	21 42	1 42	16 59	2 5	25 4	2 18	8 26	2 0	16 50	0 47	21 22	0 37	4 19	0 46	21 26	0 27	8 52	11 18	21 10	20 53	12 0	17 25	5 26
F 19	21 0	21 34	0 26	16 32	2 17	24 56	2 18	8 15	2 1	16 50	0 47	21 21	0 37	4 19	0 46	21 26	0 27	8 52	11 18	21 11	20 53	12 2	17 25	5 26
S 20	21 11	20 4	0n48	16 10	2 27	24 47	2 18	8 5	2 2	16 50	0 48	21 20	0 37	4 19	0 46	21 26	0 27	8 53	11 18	21 11	20 54	12 4	17 24	5 26
S 21	21 22	17 30	1 57	15 52	2 35	24 38	2 18	7 54	2 3	16 50	0 48	21 19	0 37	4 20	0 46	21 26	0 27	8 53	11 18	21 10	20 55	12 7	17 24	5 26
M22	21 33	14 8	2 58	15 39	2 41	24 28	2 18	7 43	2 4	16 50	0 48	21 18	0 37	4 20	0 46	21 27	0 27	8 54	11 18	21 10	20 55	12 9	17 23	5 26
T 23	21 43	10 12	3 49	15 31	2 45	24 18	2 18	7 33	2 5	16 50	0 48	21 17	0 37	4 19	0 46	21 27	0 27	8 54	11 18	21 10	20 56	12 11	17 23	5 27
W24	21 53	5 57	4 28	15 27	2 47	24 7	2 18	7 23	2 6	16 50	0 49	21 16	0 37	4 19	0 46	21 27	0 27	8 55	11 18	21 11	20 57	12 13	17 22	5 27
T 25	22 2	1 32	4 54	15 28	2 47	23 55	2 18	7 12	2 6	16 50	0 49	21 15	0 37	4 19	0 45	21 27	0 27	8 55	11 18	21 11	20 57	12 15	17 22	5 27
F 26	22 11	2s53	5 7	15 32	2 46	23 42	2 17	7 2	2 7	16 50	0 49	21 14	0 37	4 19	0 45	21 27	0 27	8 56	11 18	21 12	20 58	12 17	17 21	5 27
S 27	22 19	7 10	5 6	15 40	2 44	23 29	2 16	6 52	2 8	16 51	0 49	21 13	0 37	4 19	0 45	21 28	0 27	8 56	11 18	21 14	20 58	12 20	17 21	5 27
S 28	22 27	11 11	4 53	15 51	2 41	23 15	2 16	6 42	2 9	16 51	0 50	21 12	0 37	4 19	0 45	21 28	0 27	8 57	11 18	21 15	20 59	12 22	17 20	5 27
M29	22 34	14 46	4 27	16 5	2 36	23 0	2 15	6 31	2 10	16 52	0 50	21 11	0 37	4 19	0 45	21 28	0 27	8 57	11 18	21 17	21 0	12 24	17 19	5 27
T 30	22s41	17s47	3n49	16s20	2n31	22s45	2s14	6n21	2n11	16n52	0n50	21s 9	0s37	4s19	0s45	21n28	0s27	8s58	11n18	21n18	21n 0	12s26	17n19	5s28

Julian Day Number = 2179750.5, Delta T = 11m36s
Ecliptic obliquity = 23°32'05, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'45, Lahiri = 13°28'46 Julian Calendar 1 Nov. 1255 == Greg. Calendar 8 Nov. 1255

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ASTRODIENST EPHEMERIS for the year 1255
geocentric

DECEMBER 1255 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 6 5	16♐ 3'04	18♐53	24♏33	29♑33	19♍31	16°R 6	28♑34	20♓55	20°R47	28♏59	24°R26	26♋ 6	17♏20	15°R28	W 1
T 2	5 10 1	17° 4'14	0♑58	25°27	0♒43	19°58	16♌ 4	28°40	20°55	20♋45	29° 2	24♋21	26° 3	17°27	15♊24	T 2
F 3	5 13 58	18° 5'24	13°10	26°25	1°53	20°25	16° 3	28°46	20°55	20°44	29° 4	24°19	26° 0	17°34	15°20	F 3
S 4	5 17 54	19° 6'34	25°32	27°27	3° 3	20°52	16° 1	28°52	20°56	20°43	29° 6	24°D18	25°57	17°41	15°16	S 4
S 5	5 21 51	20° 7'45	8♒ 4	28°32	4°12	21°18	16° 0	28°58	20°57	20°41	29° 8	24°19	25°54	17°47	15°13	S 5
M 6	5 25 47	21° 8'56	20°50	29°41	5°22	21°44	15°58	29° 4	20°57	20°40	29°11	24°20	25°51	17°54	15° 9	M 6
T 7	5 29 44	22°10'07	3♓53	0♐51	6°31	22°10	15°55	29°10	20°58	20°38	29°13	24°22	25°47	18° 1	15° 5	T 7
W 8	5 33 41	23°11'18	17°14	2° 4	7°41	22°36	15°53	29°17	20°59	20°37	29°15	24°R23	25°44	18° 7	15° 1	W 8
T 9	5 37 37	24°12'28	0♈57	3°19	8°50	23° 2	15°50	29°23	20°59	20°36	29°17	24°23	25°41	18°14	14°58	T 9
F 10	5 41 34	25°13'39	15° 2	4°36	9°59	23°27	15°48	29°29	21° 0	20°34	29°19	24°22	25°38	18°21	14°54	F 10
S 11	5 45 30	26°14'50	29°28	5°54	11° 8	23°52	15°45	29°36	21° 1	20°33	29°22	24°19	25°35	18°28	14°50	S 11
S 12	5 49 27	27°16'00	14♉11	7°14	12°16	24°17	15°41	29°42	21° 2	20°31	29°24	24°15	25°31	18°34	14°46	S 12
M13	5 53 23	28°17'11	29° 7	8°35	13°25	24°42	15°38	29°49	21° 3	20°30	29°26	24°11	25°28	18°41	14°43	M13
T 14	5 57 20	29°18'21	14♊ 7	9°57	14°33	25° 6	15°35	29°55	21° 4	20°28	29°28	24° 8	25°25	18°48	14°39	T 14
W15	6 1 16	0♑19'31	29° 2	11°20	15°41	25°30	15°31	0♒ 2	21° 5	20°26	29°30	24° 5	25°22	18°54	14°35	W15
T 16	6 5 13	1°20'42	13♋44	12°45	16°49	25°54	15°27	0° 8	21° 6	20°25	29°32	24° 4	25°19	19° 1	14°32	T 16
F 17	6 9 10	2°21'52	28° 5	14° 9	17°57	26°17	15°23	0°15	21° 8	20°23	29°34	24°D 4	25°16	19° 8	14°28	F 17
S 18	6 13 6	3°23'03	12♌ 2	15°35	19° 5	26°40	15°19	0°22	21° 9	20°22	29°36	24° 4	25°12	19°15	14°25	S 18
S 19	6 17 3	4°24'13	25°33	17° 1	20°12	27° 3	15°14	0°28	21°10	20°20	29°38	24° 6	25° 9	19°21	14°21	S 19
M20	6 20 59	5°25'24	8♍39	18°29	21°19	27°25	15°10	0°35	21°11	20°18	29°40	24° 7	25° 6	19°28	14°18	M20
T 21	6 24 56	6°26'34	21°21	19°56	22°26	27°48	15° 5	0°42	21°13	20°17	29°42	24° 8	25° 3	19°35	14°14	T 21
W22	6 28 52	7°27'45	3♎44	21°25	23°33	28° 9	15° 0	0°48	21°14	20°15	29°44	24°R 9	25° 0	19°41	14°11	W22
T 23	6 32 49	8°28'55	15°52	22°53	24°39	28°31	14°55	0°55	21°16	20°14	29°46	24° 9	24°57	19°48	14° 7	T 23
F 24	6 36 46	9°30'05	27°49	24°23	25°45	28°52	14°50	1° 2	21°17	20°12	29°48	24° 8	24°53	19°55	14° 4	F 24
S 25	6 40 42	10°31'16	9♏41	25°53	26°51	29°13	14°44	1° 9	21°19	20°10	29°50	24° 7	24°50	20° 1	14° 1	S 25
S 26	6 44 39	11°32'26	21°32	27°23	27°57	29°34	14°39	1°16	21°20	20° 9	29°52	24° 5	24°47	20° 8	13°57	S 26
M27	6 48 35	12°33'36	3♐25	28°54	29° 3	29°54	14°33	1°23	21°22	20° 7	29°54	24° 3	24°44	20°15	13°54	M27
T 28	6 52 32	13°34'46	15°23	0♑26	0♓ 8	0♎13	14°27	1°30	21°24	20° 5	29°56	24° 1	24°41	20°22	13°51	T 28
W29	6 56 28	14°35'55	27°30	1°58	1°13	0°33	14°21	1°37	21°26	20° 4	29°58	24° 0	24°37	20°28	13°48	W29
T 30	7 0 25	15°37'04	9♑46	3°31	2°18	0°52	14°15	1°44	21°27	20° 2	29°59	23°59	24°34	20°35	13°45	T 30
F 31	7 4 21	16♑38'13	22♑14	5♑ 4	3♓22	1♎10	14♌ 9	1♒51	21♓29	20♋ 0	0♐ 1	23°D59	24♋31	20♏42	13♊42	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s48	20s 4	3n 1	16s38	2n26	22s30	2s13	6n11	2n12	16n53	0n50	21s 8	0s37	4s19	0s45	21n28	0s27	8s58	11n18	21n19	21n 1	12s28	17n18	5s28
T 2	22 54	21 28	2 4	16 57	2 20	22 13	2 12	6 2	2 13	16 53	0 51	21 7	0 37	4 18	0 45	21 29	0 27	8 59	11 18	21 20	21 1	12 30	17 18	5 28
F 3	23 0	21 53	1 0	17 17	2 13	21 56	2 11	5 52	2 14	16 54	0 51	21 6	0 37	4 18	0 45	21 29	0 27	8 59	11 18	21 20	21 2	12 33	17 17	5 28
S 4	23 5	21 14	0s 7	17 38	2 6	21 39	2 9	5 42	2 15	16 55	0 51	21 5	0 37	4 18	0 45	21 29	0 27	8 59	11 18	21 20	21 3	12 35	17 17	5 28
S 5	23 10	19 31	1 15	17 59	1 59	21 21	2 8	5 32	2 16	16 55	0 51	21 3	0 37	4 18	0 45	21 29	0 27	9 0	11 18	21 20	21 3	12 37	17 17	5 28
M 6	23 14	16 49	2 20	18 21	1 51	21 2	2 6	5 23	2 17	16 56	0 52	21 2	0 37	4 17	0 45	21 29	0 27	9 0	11 18	21 20	21 4	12 39	17 16	5 28
T 7	23 18	13 13	3 20	18 44	1 43	20 43	2 4	5 14	2 18	16 57	0 52	21 1	0 37	4 17	0 45	21 30	0 27	9 1	11 18	21 20	21 4	12 41	17 16	5 28
W 8	23 22	8 54	4 10	19 6	1 35	20 24	2 2	5 4	2 19	16 58	0 52	21 0	0 38	4 17	0 45	21 30	0 27	9 1	11 18	21 20	21 5	12 43	17 15	5 28
T 9	23 24	4 1	4 48	19 28	1 27	20 4	2 0	4 55	2 20	16 59	0 52	20 58	0 38	4 16	0 45	21 30	0 27	9 1	11 19	21 20	21 5	12 45	17 15	5 28
F 10	23 27	1n11	5 9	19 51	1 19	19 43	1 58	4 46	2 21	17 0	0 53	20 57	0 38	4 16	0 45	21 30	0 27	9 2	11 19	21 20	21 6	12 48	17 14	5 28
S 11	23 29	6 27	5 12	20 12	1 11	19 22	1 56	4 37	2 22	17 1	0 53	20 56	0 38	4 16	0 45	21 31	0 27	9 2	11 19	21 20	21 7	12 50	17 14	5 28
S 12	23 30	11 28	4 55	20 34	1 3	19 0	1 54	4 28	2 23	17 2	0 53	20 55	0 38	4 15	0 45	21 31	0 27	9 2	11 19	21 21	21 7	12 52	17 13	5 28
M13	23 31	15 51	4 17	20 55	0 55	18 38	1 51	4 19	2 24	17 4	0 53	20 53	0 38	4 15	0 45	21 31	0 27	9 3	11 19	21 22	21 8	12 54	17 13	5 28
T 14	23 32	19 14	3 22	21 15	0 47	18 16	1 49	4 10	2 25	17 5	0 54	20 52	0 38	4 14	0 45	21 31	0 27	9 3	11 19	21 22	21 8	12 56	17 13	5 28
W15	23 32	21 18	2 13	21 35	0 39	17 53	1 46	4 2	2 26	17 6	0 54	20 50	0 38	4 14	0 45	21 31	0 27	9 3	11 19	21 23	21 9	12 58	17 12	5 28
T 16	23 32	21 53	0 57	21 54	0 31	17 29	1 43	3 53	2 27	17 8	0 54	20 49	0 38	4 13	0 45	21 32	0 27	9 4	11 19	21 23	21 10	13 0	17 12	5 28
F 17	23 31	20 59	0n22	22 12	0 23	17 6	1 40	3 45	2 28	17 9	0 54	20 48	0 38	4 13	0 45	21 32	0 27	9 4	11 19	21 23	21 10	13 3	17 12	5 28
S 18	23 29	18 49	1 38	22 30	0 16	16 42	1 37	3 37	2 29	17 11	0 55	20 46	0 38	4 12	0 45	21 32	0 27	9 4	11 19	21 23	21 11	13 5	17 11	5 28
S 19	23 28	15 38	2 45	22 46	0 8	16 17	1 34	3 28	2 30	17 12	0 55	20 45	0 38	4 12	0 45	21 32	0 27	9 5	11 20	21 23	21 11	13 7	17 11	5 28
M20	23 25	11 47	3 42	23 2	0 0	15 52	1 30	3 20	2 31	17 14	0 55	20 44	0 38	4 11	0 44	21 33	0 27	9 5	11 20	21 22	21 12	13 9	17 10	5 28
T 21	23 23	7 31	4 26	23 16	0s 7	15 27	1 27	3 12	2 32	17 15	0 55	20 42	0 38	4 11	0 44	21 33	0 27	9 5	11 20	21 22	21 12	13 11	17 10	5 28
W22	23 19	3 3	4 56	23 30	0 14	15 2	1 23	3 5	2 33	17 17	0 55	20 41	0 38	4 10	0 44	21 33	0 27	9 5	11 20	21 22	21 13	13 13	17 10	5 28
T 23	23 16	1s27	5 13	23 42	0 21	14 36	1 19	2 57	2 34	17 19	0 56	20 39	0 38	4 9	0 44	21 33	0 27	9 6	11 20	21 22	21 14	13 15	17 10	5 28
F 24	23 12	5 50	5 15	23 53	0 28	14 10	1 15	2 50	2 36	17 20	0 56	20 38	0 38	4 9	0 44	21 34	0 27	9 6	11 20	21 22	21 14	13 18	17 9	5 28
S 25	23 7	9 57	5 5	24 3	0 35	13 43	1 11	2 42	2 37	17 22	0 56	20 36	0 38	4 8	0 44	21 34	0 27	9 6	11 20	21 23	21 15	13 20	17 9	5 28
S 26	23 2	13 42	4 41	24 12	0 42	13 17	1 7	2 35	2 38	17 24	0 56	20 35	0 38	4 7	0 44	21 34	0 27	9 6	11 21	21 23	21 15	13 22	17 9	5 28
M27	22 56	16 55	4 5	24 20	0 48	12 50	1 3	2 28	2 39	17 26	0 57	20 33	0 38	4 7	0 44	21 34	0 27	9 7	11 21	21 23	21 16	13 24	17 8	5 27
T 28	22 50	19 27	3 18	24 26	0 54	12 23	0 58	2 21	2 40	17 28	0 57	20 32	0 38	4 6	0 44	21 35	0 27	9 7	11 21	21 23	21 16	13 26	17 8	5 27
W29	22 44	21 9	2 22	24 32	1 0	11 55	0 54	2 15	2 41	17 30	0 57	20 30	0 38	4 5	0 44	21 35	0 27	9 7	11 21	21 24	21 17	13 28	17 8	5 27
T 30	22 37	21 53	1 18	24 35	1 6	11 28	0 49	2 8	2 42	17 32	0 57	20 29	0 39	4 5	0 44	21 35	0 27	9 7	11 21	21 24	21 18	13 30	17 8	5 27
F 31	22s30	21s32	0n10	24s38	1s12	11s 0	0s44	2n 2	2n43	17n34	0n57	20s27	0s39	4s 4	0s44	21n36	0s27	9s 7	11n21	21n24	21n18	13s32	17n 8	5s27

Julian Day Number = 2179780.5, Delta T = 11m36s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'49, Lahiri = 13°28'50 Julian Calendar 1 Dec. 1255 == Greg. Calendar 8 Dec. 1255

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

JANUARY 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 8 18	17♉39'21	4♒54	6♉37	4♓26	1♎28	14°R 3	1♒58	21♓31	19°R58	0♐ 3	23♋59	24♋28	20♏48	13°R39	S 1
S 2	7 12 15	18°40'28	17°47	8°12	5°30	1°46	13♌56	2° 5	21°33	19♋57	0° 5	23°59	24°25	20°55	13♊36	S 2
M 3	7 16 11	19°41'34	0♓53	9°46	6°33	2° 4	13°49	2°12	21°35	19°55	0° 6	24° 0	24°22	21° 2	13°33	M 3
T 4	7 20 8	20°42'39	14°12	11°22	7°36	2°20	13°43	2°19	21°37	19°53	0° 8	24° 0	24°18	21° 9	13°30	T 4
W 5	7 24 4	21°43'43	27°45	12°58	8°39	2°37	13°36	2°26	21°39	19°52	0°10	24° 0	24°15	21°15	13°28	W 5
T 6	7 28 1	22°44'46	11♈31	14°34	9°41	2°53	13°29	2°33	21°41	19°50	0°11	24° 1	24°12	21°22	13°25	T 6
F 7	7 31 57	23°45'48	25°31	16°11	10°43	3° 8	13°22	2°41	21°43	19°48	0°13	24° 1	24° 9	21°29	13°22	F 7
S 8	7 35 54	24°46'48	9♉42	17°49	11°45	3°23	13°15	2°48	21°45	19°47	0°14	24° 1	24° 6	21°35	13°20	S 8
S 9	7 39 50	25°47'48	24° 3	19°27	12°46	3°38	13° 7	2°55	21°48	19°45	0°16	24° 1	24° 3	21°42	13°17	S 9
M10	7 43 47	26°48'46	8♊32	21° 6	13°47	3°52	13° 0	3° 2	21°50	19°43	0°17	24° 1	23°59	21°49	13°15	M10
T 11	7 47 44	27°49'44	23° 2	22°46	14°47	4° 6	12°53	3° 9	21°52	19°42	0°19	24° 1	23°56	21°56	13°12	T 11
W12	7 51 40	28°50'40	7♋30	24°26	15°47	4°19	12°45	3°17	21°55	19°40	0°20	24° 2	23°53	22° 2	13°10	W12
T 13	7 55 37	29°51'34	21°50	26° 7	16°46	4°31	12°38	3°24	21°57	19°38	0°22	24°R 2	23°50	22° 9	13° 8	T 13
F 14	7 59 33	0♒52'28	5♌57	27°49	17°45	4°43	12°30	3°31	21°59	19°37	0°23	24° 2	23°47	22°16	13° 6	F 14
S 15	8 3 30	1°53'21	19°46	29°31	18°44	4°55	12°22	3°38	22° 2	19°35	0°25	24° 1	23°43	22°22	13° 4	S 15
S 16	8 7 26	2°54'12	3♍15	1♒14	19°42	5° 6	12°15	3°45	22° 4	19°33	0°26	24° 0	23°40	22°29	13° 2	S 16
M17	8 11 23	3°55'03	16°22	2°58	20°39	5°16	12° 7	3°53	22° 7	19°32	0°27	23°59	23°37	22°36	13° 0	M17
T 18	8 15 19	4°55'52	29° 8	4°42	21°36	5°26	11°59	4° 0	22° 9	19°30	0°29	23°57	23°34	22°42	12°58	T 18
W19	8 19 16	5°56'40	11♎35	6°28	22°32	5°35	11°51	4° 7	22°12	19°28	0°30	23°56	23°31	22°49	12°56	W19
T 20	8 23 13	6°57'28	23°47	8°14	23°27	5°44	11°43	4°14	22°15	19°27	0°31	23°55	23°28	22°56	12°54	T 20
F 21	8 27 9	7°58'14	5♏47	10° 1	24°22	5°52	11°35	4°21	22°17	19°25	0°32	23°D55	23°24	23° 3	12°53	F 21
S 22	8 31 6	8°58'59	17°40	11°48	25°17	5°59	11°27	4°29	22°20	19°24	0°33	23°55	23°21	23° 9	12°51	S 22
S 23	8 35 2	9°59'43	29°31	13°36	26°10	6° 6	11°19	4°36	22°23	19°22	0°35	23°56	23°18	23°16	12°50	S 23
M24	8 38 59	11° 0'27	11♐25	15°25	27° 3	6°12	11°11	4°43	22°25	19°20	0°36	23°57	23°15	23°23	12°48	M24
T 25	8 42 55	12° 1'09	23°26	17°14	27°56	6°18	11° 3	4°50	22°28	19°19	0°37	23°59	23°12	23°29	12°47	T 25
W26	8 46 52	13° 1'49	5♉37	19° 4	28°47	6°22	10°55	4°57	22°31	19°17	0°38	24° 0	23° 9	23°36	12°45	W26
T 27	8 50 48	14° 2'29	18° 4	20°54	29°38	6°27	10°48	5° 4	22°34	19°16	0°39	24°R 1	23° 5	23°43	12°44	T 27
F 28	8 54 45	15° 3'07	0♒46	22°44	0♈28	6°30	10°40	5°12	22°37	19°14	0°40	24° 1	23° 2	23°50	12°43	F 28
S 29	8 58 42	16° 3'43	13°46	24°35	1°17	6°33	10°32	5°19	22°40	19°13	0°41	24° 0	22°59	23°56	12°42	S 29
S 30	9 2 38	17° 4'18	27° 3	26°25	2° 5	6°35	10°24	5°26	22°42	19°11	0°42	23°57	22°56	24° 3	12°41	S 30
M31	9 6 35	18♒ 4'52	10♓35	28♒16	2♈53	6♎36	10♌16	5♒33	22♓45	19♋10	0♐43	23♋54	22♋53	24♏10	12♊40	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s22	20s 5	1s 0	24s39	1s17	10s32	0s39	1n56	2n45	17n36	0n58	20s26	0s39	4s 3	0s44	21n36	0s27	9s 7	11n22	21n24	21n19	13s35	17n 7	5s27
S 2	22 14	17 36	2 8	24 39	1 22	10 4	0 34	1 50	2 46	17 38	0 58	20 24	0 39	4 2	0 44	21 36	0 27	9 8	11 22	21 24	21 19	13 37	17 7	5 27
M 3	22 5	14 10	3 11	24 37	1 27	9 36	0 29	1 44	2 47	17 40	0 58	20 23	0 39	4 1	0 44	21 36	0 27	9 8	11 22	21 24	21 20	13 39	17 7	5 26
T 4	21 56	9 59	4 4	24 34	1 32	9 7	0 24	1 38	2 48	17 42	0 58	20 21	0 39	4 1	0 44	21 37	0 27	9 8	11 22	21 24	21 20	13 41	17 7	5 26
W 5	21 46	5 15	4 45	24 30	1 36	8 39	0 18	1 33	2 49	17 44	0 58	20 20	0 39	4 0	0 44	21 37	0 27	9 8	11 22	21 24	21 21	13 43	17 7	5 26
T 6	21 36	0 11	5 10	24 24	1 40	8 10	0 13	1 27	2 50	17 47	0 59	20 18	0 39	3 59	0 44	21 37	0 27	9 8	11 23	21 24	21 22	13 45	17 7	5 26
F 7	21 26	4n59	5 17	24 16	1 44	7 41	0 7	1 22	2 52	17 49	0 59	20 16	0 39	3 58	0 44	21 37	0 27	9 8	11 23	21 24	21 22	13 47	17 6	5 26
S 8	21 15	9 57	5 6	24 7	1 48	7 12	0 1	1 17	2 53	17 51	0 59	20 15	0 39	3 57	0 44	21 38	0 27	9 8	11 23	21 24	21 23	13 49	17 6	5 25
S 9	21 4	14 25	4 35	23 57	1 51	6 43	0n 5	1 13	2 54	17 53	0 59	20 13	0 39	3 56	0 44	21 38	0 27	9 8	11 23	21 24	21 23	13 51	17 6	5 25
M10	20 53	18 5	3 47	23 45	1 54	6 14	0 11	1 8	2 55	17 56	0 59	20 12	0 39	3 55	0 44	21 38	0 27	9 8	11 24	21 23	21 24	13 53	17 6	5 25
T 11	20 41	20 38	2 44	23 31	1 56	5 45	0 17	1 4	2 56	17 58	0 59	20 10	0 39	3 54	0 44	21 38	0 27	9 9	11 24	21 23	21 24	13 56	17 6	5 25
W12	20 28	21 49	1 30	23 16	1 58	5 16	0 23	1 0	2 58	18 0	1 0	20 8	0 39	3 53	0 44	21 39	0 27	9 9	11 24	21 23	21 25	13 58	17 6	5 25
T 13	20 16	21 33	0 12	22 59	2 0	4 47	0 30	0 56	2 59	18 2	1 0	20 7	0 39	3 52	0 44	21 39	0 27	9 9	11 24	21 23	21 25	14 0	17 6	5 24
F 14	20 3	19 55	1n 6	22 40	2 2	4 18	0 36	0 52	3 0	18 5	1 0	20 5	0 39	3 51	0 44	21 39	0 27	9 9	11 25	21 23	21 26	14 2	17 6	5 24
S 15	19 49	17 8	2 18	22 20	2 3	3 49	0 43	0 49	3 1	18 7	1 0	20 3	0 40	3 50	0 44	21 39	0 27	9 9	11 25	21 23	21 27	14 4	17 6	5 24
S 16	19 35	13 28	3 21	21 58	2 4	3 20	0 50	0 45	3 2	18 9	1 0	20 2	0 40	3 49	0 44	21 40	0 27	9 9	11 25	21 24	21 27	14 6	17 6	5 24
M17	19 21	9 15	4 11	21 35	2 4	2 51	0 57	0 42	3 4	18 12	1 0	20 0	0 40	3 48	0 44	21 40	0 27	9 9	11 25	21 24	21 28	14 8	17 6	5 23
T 18	19 7	4 44	4 47	21 10	2 4	2 22	1 4	0 39	3 5	18 14	1 0	19 59	0 40	3 47	0 43	21 40	0 27	9 9	11 26	21 24	21 28	14 10	17 6	5 23
W19	18 52	0 9	5 9	20 43	2 3	1 53	1 11	0 37	3 6	18 16	1 1	19 57	0 40	3 46	0 43	21 40	0 27	9 9	11 26	21 24	21 29	14 12	17 6	5 23
T 20	18 36	4s22	5 17	20 15	2 2	1 24	1 18	0 35	3 7	18 19	1 1	19 55	0 40	3 45	0 43	21 41	0 27	9 9	11 26	21 25	21 29	14 14	17 6	5 23
F 21	18 21	8 38	5 10	19 45	2 1	0 56	1 26	0 33	3 8	18 21	1 1	19 54	0 40	3 44	0 43	21 41	0 27	9 9	11 26	21 25	21 30	14 16	17 6	5 22
S 22	18 5	12 32	4 50	19 13	1 58	0 27	1 33	0 31	3 10	18 23	1 1	19 52	0 40	3 43	0 43	21 41	0 27	9 9	11 27	21 25	21 30	14 19	17 6	5 22
S 23	17 49	15 56	4 18	18 39	1 56	0n 1	1 41	0 29	3 11	18 26	1 1	19 50	0 40	3 42	0 43	21 41	0 27	9 9	11 27	21 24	21 31	14 21	17 6	5 22
M24	17 32	18 42	3 34	18 4	1 53	0 29	1 49	0 28	3 12	18 28	1 1	19 49	0 40	3 41	0 43	21 42	0 27	9 9	11 27	21 24	21 31	14 23	17 6	5 21
T 25	17 15	20 41	2 41	17 28	1 49	0 57	1 57	0 27	3 13	18 30	1 1	19 47	0 40	3 40	0 43	21 42	0 27	9 8	11 27	21 24	21 32	14 25	17 7	5 21
W26	16 58	21 45	1 40	16 50	1 45	1 25	2 5	0 26	3 14	18 33	1 1	19 45	0 40	3 39	0 43	21 42	0 27	9 8	11 28	21 24	21 32	14 27	17 7	5 21
T 27	16 41	21 46	0 33	16 10	1 40	1 53	2 13	0 25	3 15	18 35	1 2	19 44	0 40	3 37	0 43	21 42	0 27	9 8	11 28	21 24	21 33	14 29	17 7	5 21
F 28	16 23	20 40	0s37	15 29	1 34	2 20	2 21	0 25	3 16	18 37	1 2	19 42	0 40	3 36	0 43	21 43	0 27	9 8	11 28	21 24	21 34	14 31	17 7	5 20
S 29	16 5	18 28	1 47	14 46	1 28	2 48	2 29	0 25	3 18	18 39	1 2	19 40	0 41	3 35	0 43	21 43	0 27	9 8	11 29	21 24	21 34	14 33	17 7	5 20
S 30	15 47	15 14	2 52	14 2	1 21	3 15	2 38	0 25	3 19	18 42	1 2	19 39	0 41	3 34	0 43	21 43	0 27	9 8	11 29	21 24	21 35	14 35	17 7	5 20
M31	15s28	11s 9	3s49	13s17	1s14	3n41	2n46	0n26	3n20	18n44	1n 2	19s37	0s41	3s33	0s43	21n43	0s27	9s 8	11n29	21n25	21n35	14s37	17n 8	5s19

Julian Day Number = 2179811.5, Delta T = 11m36s
Ecliptic obliquity = 23°32'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'54, Lahiri = 13°28'54 Julian Calendar 1 Jan. 1256 == Greg. Calendar 8 Jan. 1256

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

FEBRUARY 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 10 31	19♒ 5'23	24♓21	0♓ 6	3♈39	6°R36	10°R 8	5♒40	22♓48	19°R 9	0♐43	23°R50	22♋49	24♏16	12°R40	T 1
W 2	9 14 28	20° 5'53	8♈18	1°55	4°25	6♎36	10♌ 0	5°47	22°51	19♋ 7	0°44	23♋46	22°46	24°23	12♊39	W 2
T 3	9 18 24	21° 6'21	22°22	3°43	5° 9	6°35	9°53	5°54	22°54	19° 6	0°45	23°43	22°43	24°30	12°38	T 3
F 4	9 22 21	22° 6'47	6♉30	5°30	5°53	6°34	9°45	6° 1	22°57	19° 4	0°46	23°41	22°40	24°36	12°38	F 4
S 5	9 26 17	23° 7'11	20°40	7°15	6°35	6°31	9°37	6° 8	23° 0	19° 3	0°46	23°D40	22°37	24°43	12°37	S 5
S 6	9 30 14	24° 7'33	4♊50	8°58	7°16	6°28	9°30	6°15	23° 4	19° 2	0°47	23°40	22°34	24°50	12°37	S 6
M 7	9 34 11	25° 7'53	18°58	10°38	7°57	6°24	9°23	6°22	23° 7	19° 0	0°48	23°42	22°30	24°57	12°36	M 7
T 8	9 38 7	26° 8'11	3♋ 2	12°15	8°35	6°19	9°15	6°29	23°10	18°59	0°48	23°43	22°27	25° 3	12°36	T 8
W 9	9 42 4	27° 8'27	17° 1	13°48	9°13	6°14	9° 8	6°36	23°13	18°58	0°49	23°R44	22°24	25°10	12°36	W 9
T 10	9 46 0	28° 8'41	0♌52	15°17	9°49	6° 7	9° 1	6°43	23°16	18°57	0°49	23°44	22°21	25°17	12°D36	T 10
F 11	9 49 57	29° 8'53	14°33	16°41	10°24	6° 0	8°54	6°50	23°19	18°55	0°50	23°42	22°18	25°23	12°36	F 11
S 12	9 53 53	0♓ 9'03	28° 2	17°59	10°57	5°53	8°47	6°57	23°23	18°54	0°50	23°39	22°15	25°30	12°36	S 12
S 13	9 57 50	1° 9'11	11♍16	19°11	11°29	5°44	8°40	7° 4	23°26	18°53	0°51	23°34	22°11	25°37	12°36	S 13
M14	10 1 46	2° 9'17	24°14	20°17	11°59	5°35	8°33	7°10	23°29	18°52	0°51	23°27	22° 8	25°43	12°37	M14
T 15	10 5 43	3° 9'21	6♎56	21°15	12°28	5°24	8°26	7°17	23°32	18°51	0°52	23°20	22° 5	25°50	12°37	T 15
W16	10 9 40	4° 9'24	19°22	22° 5	12°55	5°14	8°20	7°24	23°36	18°50	0°52	23°13	22° 2	25°57	12°37	W16
T 17	10 13 36	5° 9'25	1♏34	22°48	13°21	5° 2	8°13	7°30	23°39	18°49	0°52	23° 7	21°59	26° 4	12°38	T 17
F 18	10 17 33	6° 9'24	13°35	23°21	13°44	4°49	8° 7	7°37	23°42	18°47	0°53	23° 2	21°55	26°10	12°39	F 18
S 19	10 21 29	7° 9'22	25°28	23°46	14° 6	4°36	8° 1	7°44	23°45	18°46	0°53	22°59	21°52	26°17	12°39	S 19
S 20	10 25 26	8° 9'18	7♐19	24° 3	14°26	4°22	7°55	7°50	23°49	18°45	0°53	22°D58	21°49	26°24	12°40	S 20
M21	10 29 22	9° 9'12	19°12	24°R10	14°44	4° 8	7°49	7°57	23°52	18°44	0°53	22°59	21°46	26°30	12°41	M21
T 22	10 33 19	10° 9'05	1♑13	24° 8	14°59	3°52	7°43	8° 3	23°55	18°44	0°53	23° 0	21°43	26°37	12°42	T 22
W23	10 37 15	11° 8'56	13°26	23°58	15°13	3°36	7°37	8°10	23°59	18°43	0°53	23° 1	21°40	26°44	12°43	W23
T 24	10 41 12	12° 8'45	25°56	23°40	15°25	3°20	7°32	8°16	24° 2	18°42	0°53	23°R 2	21°36	26°50	12°44	T 24
F 25	10 45 9	13° 8'32	8♒47	23°14	15°34	3° 2	7°27	8°23	24° 6	18°41	0°R53	23° 1	21°33	26°57	12°45	F 25
S 26	10 49 5	14° 8'18	22° 0	22°40	15°42	2°44	7°21	8°29	24° 9	18°40	0°53	22°57	21°30	27° 4	12°46	S 26
S 27	10 53 2	15° 8'01	5♓37	22° 1	15°46	2°26	7°16	8°35	24°12	18°39	0°53	22°51	21°27	27°11	12°48	S 27
M28	10 56 58	16° 7'43	19°34	21°16	15°49	2° 7	7°12	8°41	24°16	18°39	0°53	22°44	21°24	27°17	12°49	M28
T 29	11 0 55	17♓ 7'22	3♈49	20♓28	15°R49	1♎47	7♌ 7	8♒48	24♓19	18♋38	0♐53	22♋35	21♋20	27♏24	12♊51	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s10	6s26	4s33	12s31	1s 6	4n 8	2n55	0n26	3n21	18n46	1n 2	19s35	0s41	3s32	0s43	21n43	0s27	9s 8	11n29	21n25	21n36	14s39	17n 8	5s19
W 2	14 51	1 19	5 2	11 43	0 57	4 34	3 3	0 27	3 22	18 48	1 2	19 34	0 41	3 30	0 43	21 44	0 27	9 8	11 30	21 26	21 36	14 41	17 8	5 19
T 3	14 31	3n53	5 13	10 55	0 48	5 0	3 12	0 29	3 23	18 50	1 2	19 32	0 41	3 29	0 43	21 44	0 27	9 8	11 30	21 27	21 37	14 43	17 8	5 18
F 4	14 12	8 56	5 6	10 7	0 37	5 25	3 21	0 30	3 24	18 53	1 2	19 30	0 41	3 28	0 43	21 44	0 27	9 7	11 30	21 27	21 37	14 45	17 8	5 18
S 5	13 52	13 30	4 39	9 18	0 26	5 50	3 30	0 32	3 25	18 55	1 2	19 29	0 41	3 27	0 43	21 44	0 26	9 7	11 31	21 27	21 38	14 47	17 9	5 18
S 6	13 32	17 19	3 56	8 28	0 15	6 15	3 39	0 34	3 26	18 57	1 2	19 27	0 41	3 25	0 43	21 44	0 26	9 7	11 31	21 27	21 38	14 50	17 9	5 18
M 7	13 12	20 6	2 59	7 39	0 3	6 39	3 48	0 37	3 27	18 59	1 2	19 25	0 41	3 24	0 43	21 45	0 26	9 7	11 31	21 27	21 39	14 52	17 9	5 17
T 8	12 51	21 39	1 51	6 50	0n10	7 3	3 57	0 40	3 28	19 1	1 2	19 24	0 41	3 23	0 43	21 45	0 26	9 7	11 32	21 27	21 39	14 54	17 10	5 17
W 9	12 31	21 50	0 37	6 2	0 23	7 26	4 6	0 42	3 29	19 3	1 2	19 22	0 42	3 22	0 43	21 45	0 26	9 7	11 32	21 26	21 40	14 56	17 10	5 17
T 10	12 10	20 41	0n39	5 16	0 37	7 49	4 16	0 46	3 29	19 5	1 2	19 20	0 42	3 20	0 43	21 45	0 26	9 6	11 32	21 26	21 40	14 58	17 10	5 16
F 11	11 49	18 18	1 51	4 30	0 51	8 11	4 25	0 49	3 30	19 7	1 2	19 19	0 42	3 19	0 43	21 45	0 26	9 6	11 32	21 27	21 41	15 0	17 11	5 16
S 12	11 28	14 57	2 56	3 46	1 5	8 33	4 34	0 53	3 31	19 9	1 2	19 17	0 42	3 18	0 43	21 46	0 26	9 6	11 33	21 27	21 41	15 2	17 11	5 16
S 13	11 6	10 54	3 50	3 5	1 19	8 54	4 44	0 57	3 32	19 10	1 3	19 15	0 42	3 16	0 43	21 46	0 26	9 6	11 33	21 28	21 42	15 4	17 11	5 15
M14	10 45	6 26	4 31	2 26	1 34	9 15	4 53	1 1	3 32	19 12	1 3	19 14	0 42	3 15	0 43	21 46	0 26	9 5	11 33	21 29	21 42	15 6	17 12	5 15
T 15	10 23	1 47	4 57	1 50	1 48	9 35	5 3	1 6	3 33	19 14	1 3	19 12	0 42	3 14	0 43	21 46	0 26	9 5	11 34	21 31	21 43	15 8	17 12	5 15
W16	10 1	2s51	5 9	1 17	2 2	9 54	5 12	1 11	3 34	19 16	1 3	19 11	0 42	3 13	0 43	21 46	0 26	9 5	11 34	21 32	21 44	15 10	17 12	5 14
T 17	9 39	7 17	5 6	0 47	2 16	10 13	5 22	1 16	3 34	19 17	1 3	19 9	0 42	3 11	0 43	21 47	0 26	9 5	11 34	21 33	21 44	15 12	17 13	5 14
F 18	9 17	11 22	4 50	0 22	2 30	10 31	5 31	1 21	3 34	19 19	1 3	19 7	0 42	3 10	0 43	21 47	0 26	9 5	11 35	21 34	21 45	15 14	17 13	5 14
S 19	8 55	14 58	4 21	0 0	2 42	10 48	5 40	1 27	3 35	19 21	1 3	19 6	0 43	3 9	0 43	21 47	0 26	9 4	11 35	21 34	21 45	15 16	17 14	5 13
S 20	8 33	17 58	3 42	0n17	2 54	11 4	5 50	1 33	3 35	19 22	1 3	19 4	0 43	3 7	0 43	21 47	0 26	9 4	11 35	21 34	21 46	15 18	17 14	5 13
M21	8 10	20 14	2 53	0 30	3 5	11 20	5 59	1 39	3 35	19 24	1 3	19 3	0 43	3 6	0 43	21 47	0 26	9 4	11 36	21 34	21 46	15 20	17 14	5 13
T 22	7 48	21 37	1 55	0 38	3 14	11 34	6 8	1 45	3 36	19 25	1 3	19 1	0 43	3 5	0 43	21 47	0 26	9 3	11 36	21 34	21 47	15 22	17 15	5 12
W23	7 25	22 0	0 52	0 41	3 22	11 48	6 17	1 52	3 36	19 27	1 3	18 59	0 43	3 3	0 43	21 48	0 26	9 3	11 36	21 34	21 47	15 24	17 15	5 12
T 24	7 2	21 18	0s16	0 40	3 29	12 1	6 26	1 58	3 36	19 28	1 2	18 58	0 43	3 2	0 43	21 48	0 26	9 3	11 36	21 34	21 48	15 26	17 16	5 12
F 25	6 39	19 29	1 24	0 34	3 34	12 12	6 34	2 5	3 36	19 29	1 2	18 56	0 43	3 1	0 43	21 48	0 26	9 3	11 37	21 34	21 48	15 28	17 16	5 11
S 26	6 16	16 35	2 29	0 24	3 37	12 23	6 43	2 12	3 36	19 31	1 2	18 55	0 43	2 59	0 43	21 48	0 26	9 2	11 37	21 34	21 49	15 30	17 17	5 11
S 27	5 53	12 43	3 28	0 10	3 39	12 33	6 51	2 19	3 36	19 32	1 2	18 53	0 43	2 58	0 43	21 48	0 26	9 2	11 37	21 35	21 49	15 32	17 17	5 11
M28	5 30	8 4	4 16	0s 8	3 38	12 41	6 59	2 27	3 35	19 33	1 2	18 52	0 43	2 56	0 43	21 48	0 26	9 2	11 38	21 37	21 50	15 34	17 18	5 10
T 29	5s 6	2s54	4s49	0s30	3n36	12n48	7n 7	2n34	3n35	19n34	1n 2	18s50	0s44	2s55	0s43	21n48	0s26	9s 1	11n38	21n38	21n50	15s36	17n18	5s10

Julian Day Number = 2179842.5, Delta T = 11m35s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°21'58, Lahiri = 13°28'58 Julian Calendar 1 Feb. 1256 == Greg. Calendar 8 Feb. 1256

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

MARCH 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 4 51	18♓ 6'59	18♈14	19°R36	15°R47	1°R27	7°R 2	8♒54	24♓23	18°R37	0°R53	22°R26	21♋17	27♏31	12♊52	W 1
T 2	11 8 48	19° 6'34	2♉45	18♓42	15♈42	1♎ 6	6♌58	9° 0	24°26	18♋36	0♐53	22♋18	21°14	27°37	12°54	T 2
F 3	11 12 44	20° 6'07	17°14	17°47	15°35	0°45	6°54	9° 6	24°29	18°36	0°53	22°11	21°11	27°44	12°56	F 3
S 4	11 16 41	21° 5'37	1♊36	16°53	15°25	0°23	6°50	9°12	24°33	18°35	0°52	22° 7	21° 8	27°51	12°57	S 4
S 5	11 20 37	22° 5'05	15°49	16° 0	15°13	0° 2	6°46	9°18	24°36	18°35	0°52	22° 6	21° 5	27°57	12°59	S 5
M 6	11 24 34	23° 4'31	29°51	15°10	14°58	29♍39	6°42	9°24	24°40	18°34	0°52	22°D 6	21° 1	28° 4	13° 1	M 6
T 7	11 28 31	24° 3'54	13♋40	14°23	14°40	29°17	6°39	9°30	24°43	18°34	0°51	22° 6	20°58	28°11	13° 3	T 7
W 8	11 32 27	25° 3'15	27°18	13°40	14°21	28°54	6°35	9°35	24°47	18°33	0°51	22°R 6	20°55	28°17	13° 5	W 8
T 9	11 36 24	26° 2'34	10♌45	13° 2	13°59	28°31	6°32	9°41	24°50	18°33	0°51	22° 5	20°52	28°24	13° 8	T 9
F 10	11 40 20	27° 1'50	24° 0	12°29	13°35	28° 8	6°29	9°47	24°53	18°32	0°50	22° 1	20°49	28°31	13°10	F 10
S 11	11 44 17	28° 1'04	7♍ 6	12° 1	13° 8	27°45	6°27	9°52	24°57	18°32	0°50	21°54	20°46	28°38	13°12	S 11
S 12	11 48 13	29° 0'16	19°59	11°39	12°40	27°22	6°24	9°58	25° 0	18°31	0°49	21°45	20°42	28°44	13°15	S 12
M13	11 52 10	29°59'26	2♎42	11°22	12° 9	26°59	6°22	10° 3	25° 4	18°31	0°49	21°33	20°39	28°51	13°17	M13
T 14	11 56 6	0♈58'33	15°12	11°12	11°37	26°36	6°19	10° 9	25° 7	18°31	0°48	21°21	20°36	28°58	13°20	T 14
W15	12 0 3	1°57'39	27°30	11°D 7	11° 4	26°13	6°17	10°14	25°11	18°31	0°47	21° 8	20°33	29° 4	13°22	W15
T 16	12 4 0	2°56'42	9♏37	11° 7	10°29	25°50	6°15	10°20	25°14	18°30	0°47	20°57	20°30	29°11	13°25	T 16
F 17	12 7 56	3°55'44	21°35	11°13	9°53	25°27	6°14	10°25	25°17	18°30	0°46	20°48	20°26	29°18	13°28	F 17
S 18	12 11 53	4°54'44	3♐27	11°25	9°16	25° 4	6°12	10°30	25°21	18°30	0°45	20°41	20°23	29°24	13°30	S 18
S 19	12 15 49	5°53'42	15°17	11°41	8°39	24°42	6°11	10°35	25°24	18°30	0°45	20°37	20°20	29°31	13°33	S 19
M20	12 19 46	6°52'38	27° 8	12° 2	8° 1	24°19	6°10	10°40	25°28	18°30	0°44	20°35	20°17	29°38	13°36	M20
T 21	12 23 42	7°51'33	9♑ 7	12°28	7°23	23°58	6° 9	10°45	25°31	18°30	0°43	20°D35	20°14	29°44	13°39	T 21
W22	12 27 39	8°50'26	21°19	12°58	6°45	23°36	6° 8	10°50	25°34	18°D30	0°42	20°R35	20°11	29°51	13°42	W22
T 23	12 31 35	9°49'17	3♒48	13°33	6° 8	23°15	6° 8	10°55	25°38	18°30	0°42	20°34	20° 7	29°58	13°46	T 23
F 24	12 35 32	10°48'06	16°40	14°11	5°31	22°54	6° 7	11° 0	25°41	18°30	0°41	20°32	20° 4	0♐ 5	13°49	F 24
S 25	12 39 29	11°46'53	29°58	14°53	4°55	22°34	6°D 7	11° 4	25°44	18°30	0°40	20°27	20° 1	0°11	13°52	S 25
S 26	12 43 25	12°45'39	13♓44	15°39	4°20	22°15	6° 7	11° 9	25°48	18°30	0°39	20°20	19°58	0°18	13°55	S 26
M27	12 47 22	13°44'22	27°56	16°28	3°46	21°55	6° 8	11°14	25°51	18°30	0°38	20°10	19°55	0°25	13°59	M27
T 28	12 51 18	14°43'04	12♈30	17°21	3°14	21°37	6° 8	11°18	25°54	18°30	0°37	19°59	19°52	0°31	14° 2	T 28
W29	12 55 15	15°41'44	27°20	18°16	2°44	21°19	6° 9	11°23	25°58	18°31	0°36	19°47	19°48	0°38	14° 6	W29
T 30	12 59 11	16°40'21	12♉16	19°15	2°15	21° 2	6° 9	11°27	26° 1	18°31	0°35	19°37	19°45	0°45	14°10	T 30
F 31	13 3 8	17♈38'57	27♉ 9	20♓16	1♈49	20♍45	6♌10	11♒31	26♓ 4	18♋31	0♐34	19♋28	19♋42	0♐51	14♊13	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	4s43	2n29	5s 4	0s54	3n31	12n54	7n14	2n42	3n35	19n35	1n 2	18s49	0s44	2s54	0s43	21n48	0s26	9s 1	11n38	21n40	21n51	15s38	17n19	5s10	W 1
T 2	4 20	7 46	5 0	1 21	3 25	12 59	7 22	2 50	3 34	19 37	1 2	18 47	0 44	2 52	0 43	21 49	0 26	9 1	11 39	21 41	21 51	15 40	17 19	5 9	T 2
F 3	3 56	12 37	4 37	1 50	3 17	13 2	7 28	2 58	3 33	19 38	1 2	18 46	0 44	2 51	0 43	21 49	0 26	9 0	11 39	21 42	21 52	15 42	17 20	5 9	F 3
S 4	3 33	16 43	3 56	2 20	3 7	13 4	7 35	3 6	3 33	19 39	1 2	18 44	0 44	2 50	0 43	21 49	0 26	9 0	11 39	21 43	21 52	15 44	17 20	5 9	S 4
S 5	3 9	19 46	3 1	2 50	2 56	13 5	7 40	3 14	3 32	19 39	1 2	18 43	0 44	2 48	0 43	21 49	0 26	9 0	11 39	21 43	21 53	15 46	17 21	5 8	S 5
M 6	2 46	21 36	1 56	3 21	2 44	13 4	7 46	3 22	3 31	19 40	1 2	18 41	0 44	2 47	0 43	21 49	0 26	8 59	11 40	21 43	21 53	15 48	17 21	5 8	M 6
T 7	2 22	22 5	0 45	3 51	2 31	13 1	7 50	3 30	3 30	19 41	1 2	18 40	0 44	2 46	0 43	21 49	0 26	8 59	11 40	21 43	21 54	15 50	17 22	5 8	T 7
W 8	1 58	21 14	0n28	4 21	2 16	12 57	7 54	3 38	3 29	19 42	1 2	18 38	0 45	2 44	0 43	21 49	0 26	8 59	11 40	21 43	21 54	15 52	17 23	5 7	W 8
T 9	1 35	19 10	1 38	4 49	2 2	12 52	7 58	3 46	3 28	19 43	1 2	18 37	0 45	2 43	0 43	21 49	0 26	8 58	11 41	21 43	21 55	15 54	17 23	5 7	T 9
F 10	1 11	16 6	2 41	5 16	1 46	12 45	8 1	3 54	3 27	19 43	1 2	18 35	0 45	2 41	0 43	21 49	0 26	8 58	11 41	21 44	21 55	15 56	17 24	5 7	F 10
S 11	0 47	12 16	3 35	5 41	1 31	12 36	8 3	4 2	3 26	19 44	1 2	18 34	0 45	2 40	0 43	21 49	0 26	8 58	11 41	21 45	21 55	15 58	17 24	5 7	S 11
S 12	0 24	7 55	4 17	6 4	1 15	12 26	8 4	4 10	3 24	19 45	1 2	18 33	0 45	2 39	0 43	21 49	0 26	8 57	11 41	21 46	21 56	16 0	17 25	5 6	S 12
M13	0 0	3 17	4 46	6 24	1 0	12 14	8 4	4 18	3 23	19 45	1 2	18 31	0 45	2 37	0 43	21 50	0 26	8 57	11 42	21 48	21 56	16 2	17 25	5 6	M13
T 14	0n23	1s24	5 0	6 43	0 44	12 1	8 4	4 26	3 21	19 46	1 2	18 30	0 45	2 36	0 43	21 50	0 26	8 57	11 42	21 50	21 57	16 4	17 26	5 6	T 14
W15	0 47	5 58	5 0	6 59	0 29	11 47	8 3	4 34	3 19	19 46	1 1	18 29	0 45	2 35	0 43	21 50	0 26	8 56	11 42	21 52	21 57	16 6	17 27	5 5	W15
T 16	1 11	10 14	4 46	7 12	0 15	11 31	8 1	4 41	3 18	19 46	1 1	18 27	0 46	2 33	0 43	21 50	0 26	8 56	11 42	21 54	21 58	16 8	17 27	5 5	T 16
F 17	1 34	14 3	4 20	7 23	0 0	11 14	7 58	4 49	3 16	19 47	1 1	18 26	0 46	2 32	0 43	21 50	0 26	8 55	11 43	21 55	21 58	16 10	17 28	5 5	F 17
S 18	1 58	17 17	3 42	7 31	0s14	10 56	7 54	4 56	3 14	19 47	1 1	18 25	0 46	2 31	0 43	21 50	0 26	8 55	11 43	21 56	21 59	16 12	17 28	5 4	S 18
S 19	2 21	19 49	2 56	7 38	0 27	10 36	7 49	5 3	3 12	19 47	1 1	18 23	0 46	2 29	0 43	21 50	0 25	8 55	11 43	21 57	21 59	16 14	17 29	5 4	S 19
M20	2 44	21 29	2 1	7 41	0 40	10 16	7 43	5 10	3 10	19 47	1 1	18 22	0 46	2 28	0 43	21 50	0 25	8 54	11 43	21 57	22 0	16 16	17 30	5 4	M20
T 21	3 8	22 13	1 0	7 43	0 52	9 55	7 36	5 17	3 8	19 48	1 1	18 21	0 46	2 27	0 43	21 50	0 25	8 54	11 44	21 57	22 0	16 18	17 30	5 4	T 21
W22	3 31	21 54	0s 4	7 42	1 3	9 33	7 29	5 24	3 6	19 48	1 1	18 20	0 46	2 25	0 43	21 50	0 25	8 54	11 44	21 57	22 1	16 19	17 31	5 3	W22
T 23	3 54	20 30	1 9	7 38	1 14	9 11	7 21	5 30	3 4	19 48	1 1	18 18	0 46	2 24	0 43	21 50	0 25	8 53	11 44	21 57	22 1	16 21	17 32	5 3	T 23
F 24	4 17	18 1	2 13	7 33	1 25	8 48	7 12	5 36	3 1	19 48	1 1	18 17	0 47	2 23	0 43	21 50	0 25	8 53	11 44	21 58	22 2	16 23	17 32	5 3	F 24
S 25	4 41	14 31	3 12	7 26	1 34	8 24	7 2	5 42	2 59	19 48	1 1	18 16	0 47	2 21	0 43	21 50	0 25	8 52	11 45	21 58	22 2	16 25	17 33	5 3	S 25
S 26	5 4	10 8	4 2	7 16	1 44	8 1	6 51	5 47	2 57	19 48	1 1	18 15	0 47	2 20	0 43	21 50	0 25	8 52	11 45	21 59	22 3	16 27	17 34	5 2	S 26
M27	5 27	5 5	4 38	7 5	1 52	7 37	6 40	5 53	2 54	19 47	1 0	18 14	0 47	2 19	0 43	21 50	0 25	8 52	11 45	22 1	22 3	16 29	17 34	5 2	M27
T 28	5 49	0n23	4 58	6 51	2 0	7 14	6 29	5 58	2 52	19 47	1 0	18 13	0 47	2 17	0 43	21 50	0 25	8 51	11 45	22 2	22 4	16 31	17 35	5 2	T 28
W29	6 12	5 56	4 58	6 36	2 7	6 51	6 17	6 3	2 49	19 47	1 0	18 12	0 47	2 16	0 43	21 50	0 25	8 51	11 45	22 4	22 4	16 33	17 36	5 2	W29
T 30	6 35	11 10	4 38	6 19	2 13	6 28	6 4	6 7	2 47	19 47	1 0	18 11	0 47	2 15	0 43	21 50	0 25	8 50	11 46	22 6	22 4	16 35	17 36	5 1	T 30
F 31	6n57	15n44	3s58	6s 0	2s19	6n 5	5n51	6n11	2n44	19n46	1n 0	18s10	0s48	2s13	0s43	21n50	0s25	8s50	11n46	22n 7	22n 5	16s37	17n37	5s 1	F 31

Julian Day Number = 2179871.5, Delta T = 11m35s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'02, Lahiri = 13°29'02 Julian Calendar 1 March 1256 == Greg. Calendar 8 March 1256

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

APRIL 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 7 4	18♈37'31	11♊52	21♓21	1°R24	20°R29	6♌11	11♒35	26♓ 7	18♋31	0°R33	19°R23	19♋39	0♐58	14♊17	S 1
S 2	13 11 1	19°36'02	26°19	22°27	1♈ 2	20♍14	6°13	11°39	26°10	18°32	0♐32	19♋20	19°36	1° 5	14°21	S 2
M 3	13 14 57	20°34'31	10♋26	23°36	0°41	19°59	6°14	11°43	26°14	18°32	0°31	19°19	19°32	1°11	14°25	M 3
T 4	13 18 54	21°32'58	24°14	24°48	0°23	19°46	6°16	11°47	26°17	18°32	0°29	19°19	19°29	1°18	14°28	T 4
W 5	13 22 51	22°31'23	7♌44	26° 2	0° 8	19°33	6°18	11°51	26°20	18°33	0°28	19°18	19°26	1°25	14°32	W 5
T 6	13 26 47	23°29'45	20°57	27°18	29♓55	19°20	6°20	11°55	26°23	18°33	0°27	19°16	19°23	1°32	14°36	T 6
F 7	13 30 44	24°28'06	3♍56	28°37	29°44	19° 9	6°22	11°59	26°26	18°34	0°26	19°12	19°20	1°38	14°40	F 7
S 8	13 34 40	25°26'24	16°42	29°57	29°36	18°58	6°25	12° 2	26°29	18°34	0°25	19° 4	19°17	1°45	14°44	S 8
S 9	13 38 37	26°24'40	29°17	1♈20	29°30	18°48	6°27	12° 6	26°33	18°35	0°23	18°54	19°13	1°52	14°49	S 9
M10	13 42 33	27°22'54	11♎43	2°45	29°27	18°39	6°30	12° 9	26°36	18°36	0°22	18°42	19°10	1°58	14°53	M10
T 11	13 46 30	28°21'07	23°59	4°11	29°D26	18°31	6°33	12°13	26°39	18°36	0°21	18°28	19° 7	2° 5	14°57	T 11
W12	13 50 26	29°19'17	6♏ 6	5°40	29°27	18°23	6°36	12°16	26°42	18°37	0°19	18°15	19° 4	2°12	15° 1	W12
T 13	13 54 23	0♉17'26	18° 6	7°11	29°31	18°16	6°39	12°19	26°45	18°38	0°18	18° 3	19° 1	2°18	15° 6	T 13
F 14	13 58 20	1°15'33	0♐ 0	8°43	29°37	18°10	6°43	12°22	26°48	18°38	0°17	17°52	18°57	2°25	15°10	F 14
S 15	14 2 16	2°13'39	11°50	10°18	29°45	18° 5	6°47	12°25	26°51	18°39	0°15	17°45	18°54	2°32	15°15	S 15
S 16	14 6 13	3°11'43	23°39	11°54	29°56	18° 1	6°50	12°28	26°54	18°40	0°14	17°40	18°51	2°38	15°19	S 16
M17	14 10 9	4° 9'46	5♑30	13°33	0♈ 8	17°57	6°54	12°31	26°56	18°41	0°13	17°37	18°48	2°45	15°24	M17
T 18	14 14 6	5° 7'47	17°28	15°13	0°23	17°54	6°58	12°34	26°59	18°42	0°11	17°D37	18°45	2°52	15°28	T 18
W19	14 18 2	6° 5'47	29°38	16°56	0°39	17°52	7° 3	12°36	27° 2	18°43	0°10	17°37	18°42	2°58	15°33	W19
T 20	14 21 59	7° 3'45	12♒ 5	18°40	0°58	17°51	7° 7	12°39	27° 5	18°43	0° 8	17°R37	18°38	3° 5	15°38	T 20
F 21	14 25 55	8° 1'43	24°54	20°26	1°18	17°D51	7°12	12°42	27° 8	18°44	0° 7	17°36	18°35	3°12	15°42	F 21
S 22	14 29 52	8°59'38	8♓10	22°14	1°40	17°51	7°17	12°44	27°11	18°45	0° 5	17°32	18°32	3°18	15°47	S 22
S 23	14 33 49	9°57'33	21°54	24° 4	2° 4	17°52	7°22	12°46	27°13	18°46	0° 4	17°27	18°29	3°25	15°52	S 23
M24	14 37 45	10°55'26	6♈ 8	25°56	2°30	17°54	7°27	12°48	27°16	18°47	0° 2	17°19	18°26	3°32	15°57	M24
T 25	14 41 42	11°53'18	20°48	27°50	2°57	17°56	7°32	12°51	27°19	18°49	0° 1	17°10	18°23	3°39	16° 1	T 25
W26	14 45 38	12°51'08	5♉48	29°46	3°26	17°59	7°37	12°53	27°21	18°50	29♏59	17° 0	18°19	3°45	16° 6	W26
T 27	14 49 35	13°48'57	20°59	1♉43	3°56	18° 3	7°43	12°54	27°24	18°51	29°58	16°51	18°16	3°52	16°11	T 27
F 28	14 53 31	14°46'45	6♊10	3°43	4°27	18° 8	7°49	12°56	27°26	18°52	29°56	16°44	18°13	3°59	16°16	F 28
S 29	14 57 28	15°44'31	21°11	5°44	5° 0	18°13	7°54	12°58	27°29	18°53	29°55	16°39	18°10	4° 5	16°21	S 29
S 30	15 1 24	16♉42'15	5♋55	7♉47	5♈35	18♍19	8♌ 0	13♒ 0	27♓32	18♋54	29♏53	16♋37	18♋ 7	4♐12	16♊26	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n20	19n16	3s 4	5s40	2s25	5n44	5n38	6n15	2n41	19n46	1n 0	18s 8	0s48	2s12	0s43	21n50	0s25	8s50	11n46	22n 8	22n 5	16s39	17n37	5s 1
S 2	7 42	21 31	1 58	5 17	2 29	5 22	5 25	6 19	2 39	19 46	1 0	18 7	0 48	2 11	0 43	21 50	0 25	8 49	11 46	22 8	22 6	16 41	17 38	5 1
M 3	8 4	22 21	0 47	4 54	2 33	5 2	5 11	6 22	2 36	19 45	1 0	18 7	0 48	2 10	0 43	21 50	0 25	8 49	11 46	22 8	22 6	16 43	17 39	5 0
T 4	8 26	21 47	0n26	4 28	2 37	4 42	4 57	6 25	2 33	19 45	1 0	18 6	0 48	2 8	0 43	21 50	0 25	8 48	11 46	22 8	22 7	16 45	17 39	5 0
W 5	8 48	19 57	1 36	4 1	2 40	4 23	4 44	6 28	2 31	19 44	1 0	18 5	0 48	2 7	0 43	21 50	0 25	8 48	11 47	22 8	22 7	16 47	17 40	5 0
T 6	9 10	17 4	2 39	3 33	2 42	4 5	4 30	6 30	2 28	19 43	0 59	18 4	0 49	2 6	0 43	21 50	0 25	8 48	11 47	22 9	22 8	16 48	17 41	5 0
F 7	9 31	13 24	3 32	3 3	2 44	3 48	4 16	6 32	2 25	19 43	0 59	18 3	0 49	2 5	0 43	21 50	0 25	8 47	11 47	22 9	22 8	16 50	17 41	4 59
S 8	9 53	9 10	4 14	2 32	2 45	3 32	4 2	6 34	2 23	19 42	0 59	18 2	0 49	2 3	0 43	21 50	0 25	8 47	11 47	22 10	22 9	16 52	17 42	4 59
S 9	10 14	4 36	4 43	2 0	2 45	3 17	3 48	6 35	2 20	19 41	0 59	18 1	0 49	2 2	0 43	21 50	0 25	8 46	11 47	22 12	22 9	16 54	17 43	4 59
M10	10 35	0s 5	4 58	1 26	2 45	3 3	3 34	6 36	2 17	19 41	0 59	18 0	0 49	2 1	0 43	21 50	0 25	8 46	11 47	22 13	22 10	16 56	17 43	4 59
T 11	10 56	4 43	4 59	0 51	2 45	2 51	3 21	6 37	2 14	19 40	0 59	17 59	0 49	2 0	0 43	21 50	0 25	8 46	11 48	22 15	22 10	16 58	17 44	4 59
W12	11 17	9 7	4 46	0 15	2 44	2 39	3 7	6 38	2 12	19 39	0 59	17 59	0 49	1 59	0 43	21 50	0 25	8 45	11 48	22 17	22 10	17 0	17 45	4 58
T 13	11 37	13 7	4 21	0n23	2 42	2 28	2 54	6 38	2 9	19 38	0 59	17 58	0 50	1 57	0 43	21 49	0 25	8 45	11 48	22 19	22 11	17 2	17 45	4 58
F 14	11 58	16 35	3 44	1 2	2 40	2 19	2 41	6 38	2 6	19 37	0 59	17 57	0 50	1 56	0 43	21 49	0 25	8 45	11 48	22 20	22 11	17 4	17 46	4 58
S 15	12 18	19 22	2 58	1 42	2 37	2 10	2 28	6 37	2 3	19 36	0 59	17 56	0 50	1 55	0 43	21 49	0 25	8 44	11 48	22 21	22 12	17 5	17 47	4 58
S 16	12 38	21 19	2 4	2 22	2 33	2 3	2 16	6 36	2 1	19 35	0 59	17 56	0 50	1 54	0 43	21 49	0 25	8 44	11 48	22 22	22 12	17 7	17 47	4 58
M17	12 57	22 21	1 4	3 4	2 29	1 57	2 4	6 35	1 58	19 34	0 58	17 55	0 50	1 53	0 43	21 49	0 25	8 43	11 48	22 22	22 13	17 9	17 48	4 58
T 18	13 17	22 23	0 1	3 47	2 25	1 51	1 52	6 34	1 55	19 33	0 58	17 55	0 50	1 52	0 43	21 49	0 25	8 43	11 48	22 22	22 13	17 11	17 49	4 57
W19	13 36	21 21	1s 4	4 31	2 20	1 47	1 40	6 32	1 53	19 31	0 58	17 54	0 51	1 50	0 43	21 49	0 25	8 43	11 48	22 22	22 14	17 13	17 49	4 57
T 20	13 56	19 16	2 6	5 16	2 14	1 44	1 28	6 30	1 50	19 30	0 58	17 53	0 51	1 49	0 43	21 49	0 25	8 42	11 48	22 22	22 14	17 15	17 50	4 57
F 21	14 14	16 10	3 5	6 2	2 8	1 42	1 17	6 28	1 47	19 29	0 58	17 53	0 51	1 48	0 43	21 49	0 25	8 42	11 49	22 22	22 14	17 17	17 51	4 57
S 22	14 33	12 10	3 55	6 48	2 2	1 41	1 6	6 26	1 45	19 28	0 58	17 52	0 51	1 47	0 43	21 49	0 25	8 42	11 49	22 23	22 15	17 19	17 51	4 57
S 23	14 52	7 25	4 34	7 35	1 55	1 41	0 56	6 23	1 42	19 26	0 58	17 52	0 51	1 46	0 43	21 48	0 25	8 41	11 49	22 24	22 15	17 20	17 52	4 57
M24	15 10	2 6	4 58	8 23	1 47	1 41	0 45	6 20	1 40	19 25	0 58	17 51	0 51	1 45	0 43	21 48	0 25	8 41	11 49	22 25	22 16	17 22	17 52	4 57
T 25	15 28	3n29	5 3	9 12	1 40	1 43	0 35	6 17	1 37	19 23	0 58	17 51	0 52	1 44	0 43	21 48	0 25	8 41	11 49	22 26	22 16	17 24	17 53	4 56
W26	15 45	8 59	4 47	10 1	1 31	1 45	0 25	6 13	1 34	19 22	0 58	17 50	0 52	1 43	0 43	21 48	0 25	8 40	11 49	22 27	22 17	17 26	17 54	4 56
T 27	16 3	14 1	4 12	10 50	1 22	1 49	0 16	6 9	1 32	19 20	0 58	17 50	0 52	1 42	0 43	21 48	0 24	8 40	11 49	22 28	22 17	17 28	17 54	4 56
F 28	16 20	18 10	3 18	11 39	1 13	1 53	0 7	6 5	1 29	19 19	0 57	17 50	0 52	1 41	0 43	21 48	0 24	8 40	11 49	22 29	22 17	17 30	17 55	4 56
S 29	16 37	21 3	2 11	12 29	1 4	1 58	0s 2	6 1	1 27	19 17	0 57	17 49	0 52	1 40	0 43	21 48	0 24	8 39	11 49	22 30	22 18	17 32	17 56	4 56
S 30	16n54	22n27	0s57	13n19	0s54	2n 4	0s11	5n56	1n25	19n16	0n57	17s49	0s52	1s39	0s43	21n48	0s24	8s39	11n49	22n30	22n18	17s33	17n56	4s56

Julian Day Number = 2179902.5, Delta T = 11m35s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'06, Lahiri = 13°29'07 Julian Calendar 1 Apr. 1256 == Greg. Calendar 8 Apr. 1256

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

MAY 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 5 21	17♉39'58	20♋15	9♉52	6♈10	18♍26	8♌ 7	13♒ 1	27♓34	18♋56	29°R52	16°D37	18♋ 3	4♐19	16♊31	M 1
T 2	15 9 18	18°37'40	4♌12	11°58	6°47	18°34	8°13	13° 3	27°37	18°57	29♏50	16♋37	18° 0	4°25	16°37	T 2
W 3	15 13 14	19°35'19	17°44	14° 5	7°25	18°42	8°19	13° 4	27°39	18°58	29°48	16°R38	17°57	4°32	16°42	W 3
T 4	15 17 11	20°32'57	0♍55	16°14	8° 4	18°51	8°26	13° 5	27°41	18°59	29°47	16°37	17°54	4°39	16°47	T 4
F 5	15 21 7	21°30'34	13°47	18°24	8°44	19° 0	8°33	13° 6	27°44	19° 1	29°45	16°35	17°51	4°45	16°52	F 5
S 6	15 25 4	22°28'08	26°23	20°35	9°25	19°10	8°39	13° 7	27°46	19° 2	29°44	16°30	17°48	4°52	16°57	S 6
S 7	15 29 0	23°25'42	8♎46	22°46	10° 7	19°21	8°46	13° 8	27°48	19° 4	29°42	16°24	17°44	4°59	17° 2	S 7
M 8	15 32 57	24°23'14	20°59	24°58	10°50	19°32	8°54	13° 9	27°50	19° 5	29°40	16°15	17°41	5° 5	17° 8	M 8
T 9	15 36 53	25°20'45	3♏ 3	27°10	11°34	19°44	9° 1	13°10	27°53	19° 6	29°39	16° 6	17°38	5°12	17°13	T 9
W10	15 40 50	26°18'14	15° 2	29°21	12°19	19°56	9° 8	13°11	27°55	19° 8	29°37	15°57	17°35	5°19	17°18	W10
T 11	15 44 47	27°15'43	26°55	1♊33	13° 5	20° 9	9°16	13°11	27°57	19° 9	29°35	15°48	17°32	5°25	17°24	T 11
F 12	15 48 43	28°13'10	8♐46	3°43	13°51	20°23	9°23	13°12	27°59	19°11	29°34	15°41	17°29	5°32	17°29	F 12
S 13	15 52 40	29°10'36	20°35	5°53	14°39	20°37	9°31	13°12	28° 1	19°12	29°32	15°36	17°25	5°39	17°34	S 13
S 14	15 56 36	0♊ 8'02	2♑25	8° 1	15°27	20°52	9°39	13°12	28° 3	19°14	29°31	15°33	17°22	5°46	17°40	S 14
M15	16 0 33	1° 5'26	14°19	10° 8	16°16	21° 7	9°47	13°12	28° 5	19°16	29°29	15°D32	17°19	5°52	17°45	M15
T 16	16 4 29	2° 2'50	26°20	12°13	17° 6	21°23	9°55	13°R12	28° 7	19°17	29°27	15°32	17°16	5°59	17°51	T 16
W17	16 8 26	3° 0'13	8♒33	14°16	17°56	21°39	10° 3	13°12	28° 9	19°19	29°26	15°34	17°13	6° 6	17°56	W17
T 18	16 12 22	3°57'36	21° 1	16°17	18°47	21°55	10°12	13°12	28°11	19°21	29°24	15°35	17° 9	6°12	18° 2	T 18
F 19	16 16 19	4°54'58	3♓48	18°17	19°39	22°13	10°20	13°12	28°13	19°22	29°22	15°R36	17° 6	6°19	18° 7	F 19
S 20	16 20 16	5°52'19	17° 0	20°14	20°31	22°30	10°29	13°12	28°14	19°24	29°21	15°35	17° 3	6°26	18°13	S 20
S 21	16 24 12	6°49'40	0♈38	22° 9	21°24	22°48	10°37	13°11	28°16	19°26	29°19	15°33	17° 0	6°32	18°18	S 21
M22	16 28 9	7°47'00	14°45	24° 1	22°17	23° 7	10°46	13°11	28°18	19°27	29°18	15°29	16°57	6°39	18°24	M22
T 23	16 32 5	8°44'19	29°17	25°51	23°11	23°26	10°55	13°10	28°19	19°29	29°16	15°25	16°54	6°46	18°29	T 23
W24	16 36 2	9°41'39	14♉12	27°39	24° 5	23°46	11° 4	13° 9	28°21	19°31	29°14	15°20	16°50	6°52	18°35	W24
T 25	16 39 58	10°38'57	29°22	29°24	25° 0	24° 6	11°13	13° 9	28°23	19°33	29°13	15°15	16°47	6°59	18°41	T 25
F 26	16 43 55	11°36'16	14♊36	1♋ 7	25°56	24°26	11°22	13° 8	28°24	19°35	29°11	15°11	16°44	7° 6	18°46	F 26
S 27	16 47 51	12°33'33	29°45	2°47	26°52	24°47	11°32	13° 7	28°26	19°36	29°10	15° 9	16°41	7°12	18°52	S 27
S 28	16 51 48	13°30'50	14♋39	4°24	27°48	25° 8	11°41	13° 6	28°27	19°38	29° 8	15°D 8	16°38	7°19	18°57	S 28
M29	16 55 45	14°28'06	29°12	6° 0	28°45	25°30	11°51	13° 4	28°28	19°40	29° 6	15° 8	16°35	7°26	19° 3	M29
T 30	16 59 41	15°25'22	13♌19	7°32	29°42	25°52	12° 0	13° 3	28°30	19°42	29° 5	15°10	16°31	7°32	19° 9	T 30
W31	17 3 38	16♊22'36	27♌ 0	9♋ 2	0♉40	26♍14	12♌10	13♒ 2	28♓31	19♋44	29♏ 3	15♋11	16♋28	7♐39	19♊14	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17n10	22n19	0n20	14n 8	0s44	2n10	0s19	5n51	1n22	19n14	0n57	17s49	0s52	1s38	0s43	21n47	0s24	8s39	11n49	22n30	22n19	17s35	17n57	4s56
T 2	17 26	20 47	1 33	14 57	0 34	2 17	0 27	5 46	1 20	19 12	0 57	17 49	0 53	1 37	0 43	21 47	0 24	8 38	11 49	22 30	22 19	17 37	17 57	4 56
W 3	17 42	18 6	2 39	15 46	0 23	2 25	0 35	5 41	1 17	19 10	0 57	17 48	0 53	1 36	0 43	21 47	0 24	8 38	11 49	22 30	22 20	17 39	17 58	4 56
T 4	17 58	14 32	3 34	16 34	0 13	2 33	0 43	5 35	1 15	19 9	0 57	17 48	0 53	1 35	0 43	21 47	0 24	8 38	11 49	22 30	22 20	17 41	17 58	4 55
F 5	18 13	10 22	4 18	17 20	0 2	2 43	0 50	5 29	1 13	19 7	0 57	17 48	0 53	1 34	0 43	21 47	0 24	8 37	11 49	22 30	22 20	17 43	17 59	4 55
S 6	18 28	5 50	4 48	18 6	0n 9	2 52	0 57	5 23	1 11	19 5	0 57	17 48	0 53	1 33	0 43	21 47	0 24	8 37	11 49	22 31	22 21	17 44	18 0	4 55
S 7	18 42	1 9	5 3	18 51	0 19	3 3	1 4	5 17	1 8	19 3	0 57	17 48	0 53	1 32	0 43	21 46	0 24	8 37	11 49	22 31	22 21	17 46	18 0	4 55
M 8	18 57	3s30	5 5	19 33	0 29	3 14	1 10	5 10	1 6	19 1	0 57	17 48	0 54	1 32	0 43	21 46	0 24	8 37	11 49	22 32	22 22	17 48	18 1	4 55
T 9	19 11	7 59	4 53	20 15	0 39	3 25	1 17	5 4	1 4	18 59	0 56	17 48	0 54	1 31	0 44	21 46	0 24	8 36	11 49	22 34	22 22	17 50	18 1	4 55
W10	19 24	12 8	4 28	20 54	0 49	3 37	1 23	4 57	1 2	18 57	0 56	17 48	0 54	1 30	0 44	21 46	0 24	8 36	11 49	22 35	22 22	17 52	18 2	4 55
T 11	19 38	15 47	3 52	21 30	0 59	3 50	1 28	4 50	1 0	18 55	0 56	17 48	0 54	1 29	0 44	21 46	0 24	8 36	11 49	22 36	22 23	17 54	18 2	4 55
F 12	19 51	18 48	3 5	22 5	1 8	4 3	1 34	4 42	0 57	18 53	0 56	17 48	0 54	1 28	0 44	21 45	0 24	8 36	11 48	22 37	22 23	17 55	18 3	4 55
S 13	20 3	21 2	2 11	22 37	1 16	4 16	1 39	4 35	0 55	18 51	0 56	17 48	0 55	1 27	0 44	21 45	0 24	8 35	11 48	22 37	22 24	17 57	18 3	4 55
S 14	20 16	22 20	1 10	23 7	1 24	4 30	1 45	4 27	0 53	18 48	0 56	17 48	0 55	1 27	0 44	21 45	0 24	8 35	11 48	22 37	22 24	17 59	18 4	4 55
M15	20 28	22 39	0 7	23 34	1 31	4 44	1 49	4 19	0 51	18 46	0 56	17 48	0 55	1 26	0 44	21 45	0 24	8 35	11 48	22 38	22 25	18 1	18 4	4 55
T 16	20 39	21 55	0s58	23 58	1 38	4 59	1 54	4 11	0 49	18 44	0 56	17 48	0 55	1 25	0 44	21 45	0 24	8 35	11 48	22 38	22 25	18 3	18 5	4 55
W17	20 51	20 9	2 2	24 19	1 44	5 14	1 59	4 3	0 47	18 42	0 56	17 48	0 55	1 24	0 44	21 44	0 24	8 34	11 48	22 37	22 25	18 4	18 5	4 55
T 18	21 1	17 24	3 1	24 38	1 49	5 29	2 3	3 54	0 45	18 39	0 56	17 48	0 55	1 24	0 44	21 44	0 24	8 34	11 48	22 37	22 26	18 6	18 6	4 55
F 19	21 12	13 45	3 52	24 54	1 54	5 45	2 7	3 46	0 43	18 37	0 56	17 49	0 56	1 23	0 44	21 44	0 24	8 34	11 48	22 37	22 26	18 8	18 6	4 55
S 20	21 22	9 21	4 33	25 8	1 57	6 1	2 11	3 37	0 41	18 35	0 56	17 49	0 56	1 22	0 44	21 44	0 24	8 34	11 48	22 37	22 27	18 10	18 7	4 55
S 21	21 32	4 20	5 1	25 18	2 1	6 18	2 15	3 28	0 39	18 32	0 56	17 49	0 56	1 22	0 44	21 44	0 24	8 34	11 47	22 37	22 27	18 11	18 7	4 55
M22	21 42	1n 3	5 11	25 27	2 3	6 34	2 18	3 19	0 38	18 30	0 56	17 49	0 56	1 21	0 44	21 43	0 24	8 33	11 47	22 38	22 27	18 13	18 8	4 55
T 23	21 51	6 33	5 2	25 32	2 4	6 51	2 21	3 10	0 36	18 27	0 55	17 50	0 56	1 20	0 44	21 43	0 24	8 33	11 47	22 38	22 28	18 15	18 8	4 55
W24	22 0	11 49	4 33	25 36	2 5	7 9	2 24	3 0	0 34	18 25	0 55	17 50	0 56	1 20	0 44	21 43	0 24	8 33	11 47	22 39	22 28	18 17	18 9	4 55
T 25	22 8	16 27	3 44	25 37	2 5	7 26	2 27	2 51	0 32	18 22	0 55	17 51	0 57	1 19	0 44	21 43	0 24	8 33	11 47	22 40	22 29	18 19	18 9	4 55
F 26	22 16	20 0	2 39	25 36	2 5	7 44	2 30	2 41	0 30	18 19	0 55	17 51	0 57	1 19	0 44	21 42	0 24	8 33	11 47	22 40	22 29	18 20	18 10	4 55
S 27	22 24	22 9	1 23	25 34	2 3	8 1	2 33	2 31	0 29	18 17	0 55	17 51	0 57	1 18	0 44	21 42	0 24	8 33	11 46	22 40	22 29	18 22	18 10	4 55
S 28	22 31	22 41	0 3	25 29	2 1	8 19	2 35	2 21	0 27	18 14	0 55	17 52	0 57	1 18	0 44	21 42	0 24	8 32	11 46	22 40	22 30	18 24	18 10	4 55
M29	22 38	21 39	1n16	25 22	1 58	8 37	2 37	2 11	0 25	18 11	0 55	17 52	0 57	1 17	0 44	21 42	0 24	8 32	11 46	22 40	22 30	18 26	18 11	4 55
T 30	22 44	19 15	2 28	25 14	1 55	8 56	2 39	2 1	0 23	18 9	0 55	17 53	0 57	1 17	0 44	21 41	0 24	8 32	11 46	22 40	22 31	18 27	18 11	4 55
W31	22n50	15n50	3n30	25n 4	1n51	9n14	2s41	1n50	0n22	18n 6	0n55	17s53	0s58	1s16	0s44	21n41	0s24	8s32	11n46	22n40	22n31	18s29	18n12	4s55

Julian Day Number = 2179932.5, Delta T = 11m35s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'10, Lahiri = 13°29'11 Julian Calendar 1 May 1256 == Greg. Calendar 8 May 1256

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

JUNE 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 7 34	17♊19'50	10♍16	10♋29	1♉38	26♍37	12♌20	13°R 0	28♓32	19♋46	29°R 2	15♋12	16♋25	7♐46	19♊20	T 1
F 2	17 11 31	18°17'03	23° 9	11°54	2°36	27° 0	12°30	12♒59	28°33	19°48	29♏ 0	15°R12	16°22	7°52	19°26	F 2
S 3	17 15 27	19°14'15	5♎42	13°16	3°35	27°24	12°40	12°57	28°34	19°50	28°59	15°11	16°19	7°59	19°31	S 3
S 4	17 19 24	20°11'27	18° 0	14°35	4°34	27°48	12°50	12°55	28°36	19°52	28°57	15° 9	16°15	8° 6	19°37	S 4
M 5	17 23 20	21° 8'38	0♏ 7	15°52	5°33	28°12	13° 0	12°53	28°37	19°54	28°56	15° 6	16°12	8°12	19°43	M 5
T 6	17 27 17	22° 5'49	12° 4	17° 6	6°33	28°36	13°10	12°52	28°38	19°56	28°54	15° 2	16° 9	8°19	19°48	T 6
W 7	17 31 14	23° 2'59	23°57	18°17	7°33	29° 1	13°20	12°49	28°39	19°58	28°53	14°59	16° 6	8°26	19°54	W 7
T 8	17 35 10	24° 0'09	5♐47	19°25	8°34	29°27	13°31	12°47	28°40	20° 0	28°51	14°55	16° 3	8°32	19°59	T 8
F 9	17 39 7	24°57'19	17°37	20°30	9°35	29°52	13°41	12°45	28°40	20° 2	28°50	14°53	16° 0	8°39	20° 5	F 9
S 10	17 43 3	25°54'28	29°28	21°32	10°36	0♎18	13°52	12°43	28°41	20° 4	28°49	14°51	15°56	8°46	20°11	S 10
S 11	17 47 0	26°51'38	11♑24	22°31	11°37	0°44	14° 3	12°41	28°42	20° 6	28°47	14°D50	15°53	8°52	20°16	S 11
M12	17 50 56	27°48'47	23°26	23°26	12°39	1°11	14°13	12°38	28°43	20° 8	28°46	14°51	15°50	8°59	20°22	M12
T 13	17 54 53	28°45'56	5♒36	24°18	13°41	1°38	14°24	12°36	28°43	20°10	28°45	14°51	15°47	9° 6	20°28	T 13
W14	17 58 50	29°43'06	17°58	25° 7	14°43	2° 5	14°35	12°33	28°44	20°12	28°43	14°53	15°44	9°12	20°33	W14
T 15	18 2 46	0♋40'15	0♓33	25°52	15°45	2°32	14°46	12°30	28°45	20°15	28°42	14°54	15°41	9°19	20°39	T 15
F 16	18 6 43	1°37'25	13°25	26°34	16°48	3° 0	14°57	12°28	28°45	20°17	28°41	14°55	15°37	9°26	20°44	F 16
S 17	18 10 39	2°34'35	26°37	27°11	17°51	3°28	15° 8	12°25	28°46	20°19	28°39	14°R55	15°34	9°33	20°50	S 17
S 18	18 14 36	3°31'46	10♈11	27°45	18°54	3°56	15°19	12°22	28°46	20°21	28°38	14°55	15°31	9°39	20°56	S 18
M19	18 18 32	4°28'56	24° 8	28°14	19°58	4°25	15°30	12°19	28°46	20°23	28°37	14°55	15°28	9°46	21° 1	M19
T 20	18 22 29	5°26'08	8♉28	28°40	21° 1	4°54	15°42	12°16	28°47	20°25	28°36	14°54	15°25	9°53	21° 7	T 20
W21	18 26 25	6°23'20	23° 7	29° 0	22° 5	5°23	15°53	12°13	28°47	20°27	28°34	14°53	15°21	9°59	21°12	W21
T 22	18 30 22	7°20'32	8♊ 1	29°17	23° 9	5°52	16° 5	12° 9	28°47	20°30	28°33	14°52	15°18	10° 6	21°18	T 22
F 23	18 34 19	8°17'45	23° 3	29°29	24°14	6°22	16°16	12° 6	28°47	20°32	28°32	14°52	15°15	10°13	21°23	F 23
S 24	18 38 15	9°14'58	8♋ 5	29°36	25°18	6°52	16°28	12° 3	28°48	20°34	28°31	14°D51	15°12	10°19	21°29	S 24
S 25	18 42 12	10°12'12	22°57	29°R38	26°23	7°22	16°39	11°59	28°48	20°36	28°30	14°51	15° 9	10°26	21°34	S 25
M26	18 46 8	11° 9'26	7♌32	29°36	27°28	7°52	16°51	11°56	28°R48	20°38	28°29	14°52	15° 6	10°33	21°40	M26
T 27	18 50 5	12° 6'40	21°45	29°29	28°33	8°23	17° 3	11°52	28°48	20°41	28°28	14°52	15° 2	10°39	21°45	T 27
W28	18 54 1	13° 3'54	5♍33	29°17	29°38	8°54	17°15	11°49	28°48	20°43	28°27	14°52	14°59	10°46	21°51	W28
T 29	18 57 58	14° 1'08	18°55	29° 0	0♊44	9°25	17°26	11°45	28°48	20°45	28°26	14°52	14°56	10°53	21°56	T 29
F 30	19 1 54	14♋58'22	1♎52	28♋39	1♊49	9♎56	17♌38	11♒41	28♓47	20♋47	28♏25	14°R52	14♋53	10♐59	22♊ 1	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n56	11n43	4n18	24n53	1n46	9n33	2s43	1n40	0n20	18n 3	0n55	17s54	0s58	1s16	0s44	21n41	0s24	8s32	11n45	22n40	22n31	18s31	18n12	4s55
F 2	23 1	7 11	4 51	24 40	1 40	9 51	2 44	1 29	0 19	18 0	0 55	17 55	0 58	1 15	0 44	21 41	0 24	8 32	11 45	22 40	22 32	18 33	18 12	4 55
S 3	23 6	2 28	5 10	24 26	1 34	10 10	2 46	1 18	0 17	17 57	0 55	17 55	0 58	1 15	0 44	21 40	0 24	8 32	11 45	22 40	22 32	18 34	18 13	4 55
S 4	23 10	2s15	5 14	24 11	1 27	10 28	2 47	1 7	0 15	17 54	0 55	17 56	0 58	1 14	0 44	21 40	0 24	8 32	11 45	22 40	22 32	18 36	18 13	4 55
M 5	23 14	6 49	5 3	23 55	1 20	10 47	2 48	0 56	0 14	17 51	0 55	17 57	0 58	1 14	0 44	21 40	0 24	8 32	11 45	22 41	22 33	18 38	18 13	4 56
T 6	23 18	11 4	4 40	23 37	1 12	11 6	2 49	0 45	0 12	17 48	0 55	17 57	0 59	1 14	0 44	21 39	0 24	8 32	11 44	22 41	22 33	18 40	18 14	4 56
W 7	23 21	14 53	4 5	23 19	1 3	11 25	2 50	0 33	0 11	17 45	0 55	17 58	0 59	1 13	0 44	21 39	0 24	8 32	11 44	22 41	22 34	18 41	18 14	4 56
T 8	23 24	18 5	3 19	23 1	0 54	11 43	2 50	0 22	0 9	17 42	0 55	17 59	0 59	1 13	0 44	21 39	0 24	8 31	11 44	22 42	22 34	18 43	18 14	4 56
F 9	23 26	20 33	2 25	22 42	0 44	12 2	2 51	0 10	0 8	17 39	0 55	18 0	0 59	1 13	0 44	21 39	0 24	8 31	11 44	22 42	22 34	18 45	18 15	4 56
S 10	23 28	22 8	1 24	22 22	0 34	12 21	2 51	0s 2	0 6	17 36	0 55	18 0	0 59	1 12	0 45	21 38	0 24	8 31	11 43	22 42	22 35	18 46	18 15	4 56
S 11	23 30	22 44	0 19	22 2	0 23	12 40	2 51	0 13	0 5	17 33	0 55	18 1	0 59	1 12	0 45	21 38	0 24	8 31	11 43	22 42	22 35	18 48	18 15	4 56
M12	23 31	22 16	0s47	21 41	0 12	12 58	2 52	0 25	0 3	17 30	0 54	18 2	1 0	1 12	0 45	21 38	0 24	8 31	11 43	22 42	22 35	18 50	18 15	4 56
T 13	23 32	20 46	1 52	21 20	0s 0	13 17	2 52	0 37	0 2	17 27	0 54	18 3	1 0	1 12	0 45	21 37	0 24	8 31	11 42	22 42	22 36	18 52	18 16	4 56
W14	23 32	18 15	2 53	20 59	0 13	13 35	2 51	0 49	0 0	17 23	0 54	18 4	1 0	1 11	0 45	21 37	0 24	8 31	11 42	22 42	22 36	18 53	18 16	4 57
T 15	23 32	14 51	3 47	20 39	0 25	13 53	2 51	1 2	0s 1	17 20	0 54	18 5	1 0	1 11	0 45	21 37	0 24	8 31	11 42	22 42	22 37	18 55	18 16	4 57
F 16	23 31	10 42	4 30	20 18	0 38	14 12	2 51	1 14	0 2	17 17	0 54	18 6	1 0	1 11	0 45	21 37	0 24	8 31	11 42	22 42	22 37	18 57	18 16	4 57
S 17	23 31	5 57	5 1	19 57	0 52	14 30	2 50	1 26	0 4	17 14	0 54	18 7	1 0	1 11	0 45	21 36	0 23	8 31	11 41	22 42	22 37	18 58	18 17	4 57
S 18	23 29	0 47	5 16	19 37	1 6	14 48	2 50	1 39	0 5	17 10	0 54	18 8	1 0	1 11	0 45	21 36	0 23	8 32	11 41	22 42	22 38	19 0	18 17	4 57
M19	23 28	4n33	5 13	19 17	1 20	15 5	2 49	1 51	0 6	17 7	0 54	18 9	1 1	1 10	0 45	21 36	0 23	8 32	11 41	22 42	22 38	19 2	18 17	4 57
T 20	23 25	9 47	4 51	18 58	1 35	15 23	2 48	2 4	0 8	17 3	0 54	18 10	1 1	1 10	0 45	21 35	0 23	8 32	11 40	22 42	22 38	19 3	18 17	4 58
W21	23 23	14 36	4 9	18 40	1 49	15 40	2 47	2 17	0 9	17 0	0 54	18 11	1 1	1 10	0 45	21 35	0 23	8 32	11 40	22 42	22 39	19 5	18 17	4 58
T 22	23 20	18 36	3 11	18 22	2 4	15 58	2 46	2 30	0 10	16 57	0 54	18 12	1 1	1 10	0 45	21 35	0 23	8 32	11 40	22 42	22 39	19 7	18 18	4 58
F 23	23 16	21 23	1 58	18 5	2 19	16 15	2 45	2 43	0 11	16 53	0 54	18 13	1 1	1 10	0 45	21 34	0 23	8 32	11 39	22 42	22 40	19 8	18 18	4 58
S 24	23 13	22 40	0 38	17 49	2 34	16 31	2 43	2 56	0 13	16 50	0 54	18 14	1 1	1 10	0 45	21 34	0 23	8 32	11 39	22 42	22 40	19 10	18 18	4 58
S 25	23 8	22 19	0n45	17 34	2 48	16 48	2 42	3 9	0 14	16 46	0 54	18 15	1 1	1 10	0 45	21 34	0 23	8 32	11 39	22 42	22 40	19 12	18 18	4 58
M26	23 4	20 26	2 3	17 20	3 3	17 4	2 41	3 22	0 15	16 42	0 54	18 16	1 2	1 10	0 45	21 33	0 23	8 32	11 38	22 42	22 41	19 13	18 18	4 59
T 27	22 59	17 19	3 11	17 8	3 17	17 20	2 39	3 35	0 16	16 39	0 54	18 17	1 2	1 10	0 45	21 33	0 23	8 32	11 38	22 42	22 41	19 15	18 18	4 59
W28	22 53	13 19	4 6	16 57	3 31	17 36	2 37	3 48	0 17	16 35	0 54	18 18	1 2	1 10	0 45	21 33	0 23	8 33	11 37	22 42	22 41	19 17	18 18	4 59
T 29	22 48	8 47	4 46	16 48	3 44	17 51	2 36	4 2	0 19	16 32	0 54	18 20	1 2	1 10	0 45	21 32	0 23	8 33	11 37	22 42	22 42	19 18	18 18	4 59
F 30	22n41	3n59	5n 9	16n40	3s56	18n 6	2s34	4s15	0s20	16n28	0n54	18s21	1s 2	1s10	0s45	21n32	0s23	8s33	11n37	22n42	22n42	19s20	18n19	5s 0

Julian Day Number = 2179963.5, Delta T = 11m35s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'15, Lahiri = 13°29'15 Julian Calendar 1 June 1256 == Greg. Calendar 8 June 1256

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

JULY 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 5 51	15♋55'37	14♎28	28°R13	2♊55	10♎27	17♌50	11°R37	28°R47	20♋49	28°R24	14°D52	14♋50	11♐ 6	22♊ 7	S 1
S 2	19 9 48	16°52'52	26°46	27♋43	4° 1	10°59	18° 2	11♒34	28♓47	20°52	28♏23	14♋52	14°47	11°13	22°12	S 2
M 3	19 13 44	17°50'08	8♏50	27°10	5° 7	11°31	18°14	11°30	28°47	20°54	28°22	14°52	14°43	11°19	22°17	M 3
T 4	19 17 41	18°47'23	20°46	26°34	6°14	12° 3	18°26	11°26	28°46	20°56	28°21	14°53	14°40	11°26	22°23	T 4
W 5	19 21 37	19°44'39	2♐36	25°55	7°20	12°36	18°39	11°22	28°46	20°58	28°20	14°53	14°37	11°33	22°28	W 5
T 6	19 25 34	20°41'56	14°26	25°13	8°27	13° 8	18°51	11°18	28°46	21° 1	28°19	14°54	14°34	11°39	22°33	T 6
F 7	19 29 30	21°39'13	26°17	24°31	9°33	13°41	19° 3	11°14	28°45	21° 3	28°18	14°54	14°31	11°46	22°38	F 7
S 8	19 33 27	22°36'31	8♑14	23°47	10°40	14°14	19°15	11° 9	28°45	21° 5	28°18	14°55	14°27	11°53	22°44	S 8
S 9	19 37 23	23°33'50	20°19	23° 4	11°48	14°47	19°28	11° 5	28°44	21° 7	28°17	14°R55	14°24	11°59	22°49	S 9
M10	19 41 20	24°31'09	2♒33	22°22	12°55	15°21	19°40	11° 1	28°43	21° 9	28°16	14°54	14°21	12° 6	22°54	M10
T 11	19 45 17	25°28'29	14°58	21°41	14° 2	15°54	19°52	10°57	28°43	21°12	28°15	14°53	14°18	12°13	22°59	T 11
W12	19 49 13	26°25'50	27°36	21° 3	15°10	16°28	20° 5	10°53	28°42	21°14	28°15	14°52	14°15	12°19	23° 4	W12
T 13	19 53 10	27°23'12	10♓27	20°27	16°17	17° 2	20°17	10°48	28°41	21°16	28°14	14°50	14°12	12°26	23° 9	T 13
F 14	19 57 6	28°20'36	23°32	19°56	17°25	17°36	20°30	10°44	28°40	21°18	28°14	14°49	14° 8	12°33	23°14	F 14
S 15	20 1 3	29°18'00	6♈53	19°29	18°33	18°11	20°42	10°40	28°40	21°21	28°13	14°47	14° 5	12°39	23°19	S 15
S 16	20 4 59	0♌15'25	20°30	19° 7	19°41	18°45	20°55	10°35	28°39	21°23	28°12	14°46	14° 2	12°46	23°24	S 16
M17	20 8 56	1°12'52	4♉22	18°51	20°49	19°20	21° 8	10°31	28°38	21°25	28°12	14°D46	13°59	12°53	23°29	M17
T 18	20 12 52	2°10'20	18°30	18°41	21°58	19°55	21°20	10°26	28°37	21°27	28°11	14°47	13°56	12°59	23°33	T 18
W19	20 16 49	3° 7'50	2♊51	18°D36	23° 6	20°30	21°33	10°22	28°36	21°29	28°11	14°48	13°52	13° 6	23°38	W19
T 20	20 20 46	4° 5'21	17°24	18°39	24°15	21° 5	21°46	10°17	28°35	21°32	28°11	14°49	13°49	13°13	23°43	T 20
F 21	20 24 42	5° 2'54	2♋ 4	18°48	25°23	21°40	21°58	10°13	28°34	21°34	28°10	14°50	13°46	13°19	23°48	F 21
S 22	20 28 39	6° 0'27	16°45	19° 4	26°32	22°16	22°11	10° 9	28°32	21°36	28°10	14°R50	13°43	13°26	23°52	S 22
S 23	20 32 35	6°58'02	1♌21	19°27	27°41	22°52	22°24	10° 4	28°31	21°38	28°10	14°50	13°40	13°33	23°57	S 23
M24	20 36 32	7°55'38	15°46	19°57	28°50	23°28	22°37	10° 0	28°30	21°40	28° 9	14°48	13°37	13°39	24° 2	M24
T 25	20 40 28	8°53'16	29°54	20°33	29°59	24° 4	22°50	9°55	28°29	21°42	28° 9	14°45	13°33	13°46	24° 6	T 25
W26	20 44 25	9°50'54	13♍40	21°17	1♌ 9	24°40	23° 2	9°50	28°27	21°45	28° 9	14°41	13°30	13°53	24°11	W26
T 27	20 48 21	10°48'34	27° 4	22° 7	2°18	25°16	23°15	9°46	28°26	21°47	28° 9	14°38	13°27	13°59	24°15	T 27
F 28	20 52 18	11°46'14	10♎ 4	23° 4	3°28	25°53	23°28	9°41	28°25	21°49	28° 8	14°34	13°24	14° 6	24°20	F 28
S 29	20 56 15	12°43'56	22°42	24° 7	4°37	26°30	23°41	9°37	28°23	21°51	28° 8	14°32	13°21	14°13	24°24	S 29
S 30	21 0 11	13°41'39	5♏ 1	25°17	5°47	27° 7	23°54	9°32	28°22	21°53	28° 8	14°30	13°18	14°19	24°28	S 30
M31	21 4 8	14♌39'23	17♏ 6	26♋32	6♋57	27♎44	24♌ 7	9♒28	28♓20	21♋55	28♏ 8	14°D30	13♋14	14♐26	24♊33	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22n35	0s51	5n18	16n33	4s 8	18n21	2s32	4s29	0s21	16n24	0n54	18s22	1s 2	1s11	0s45	21n32	0s23	8s33	11n36	22n42	22n42	19s22	18n19	5s 0	S 1
S 2	22 28	5 32	5 11	16 29	4 18	18 35	2 30	4 42	0 22	16 20	0 54	18 23	1 2	1 11	0 45	21 32	0 23	8 33	11 36	22 42	22 43	19 23	18 19	5 0	S 2
M 3	22 20	9 55	4 50	16 26	4 28	18 49	2 28	4 56	0 23	16 17	0 54	18 24	1 3	1 11	0 45	21 31	0 23	8 33	11 36	22 42	22 43	19 25	18 19	5 0	M 3
T 4	22 13	13 52	4 18	16 25	4 36	19 3	2 25	5 9	0 24	16 13	0 54	18 26	1 3	1 11	0 45	21 31	0 23	8 34	11 35	22 42	22 43	19 27	18 19	5 1	T 4
W 5	22 5	17 16	3 34	16 25	4 43	19 16	2 23	5 23	0 25	16 9	0 54	18 27	1 3	1 11	0 45	21 31	0 23	8 34	11 35	22 42	22 44	19 28	18 19	5 1	W 5
T 6	21 56	19 57	2 41	16 27	4 48	19 29	2 21	5 37	0 26	16 5	0 54	18 28	1 3	1 11	0 45	21 30	0 23	8 34	11 34	22 42	22 44	19 30	18 19	5 1	T 6
F 7	21 47	21 47	1 42	16 31	4 51	19 41	2 19	5 51	0 27	16 2	0 54	18 29	1 3	1 12	0 45	21 30	0 23	8 34	11 34	22 42	22 44	19 31	18 19	5 1	F 7
S 8	21 38	22 40	0 37	16 37	4 53	19 53	2 16	6 4	0 29	15 58	0 54	18 31	1 3	1 12	0 45	21 30	0 23	8 35	11 34	22 42	22 45	19 33	18 19	5 2	S 8
S 9	21 28	22 29	0s30	16 44	4 53	20 5	2 14	6 18	0 30	15 54	0 54	18 32	1 3	1 12	0 46	21 29	0 23	8 35	11 33	22 42	22 45	19 35	18 19	5 2	S 9
M10	21 18	21 14	1 36	16 52	4 52	20 16	2 11	6 32	0 31	15 50	0 54	18 33	1 3	1 12	0 46	21 29	0 23	8 35	11 33	22 42	22 46	19 36	18 19	5 2	M10
T 11	21 8	18 57	2 39	17 2	4 48	20 27	2 8	6 46	0 32	15 46	0 54	18 34	1 4	1 13	0 46	21 29	0 23	8 35	11 32	22 42	22 46	19 38	18 19	5 2	T 11
W12	20 57	15 43	3 35	17 13	4 43	20 37	2 6	7 0	0 33	15 42	0 54	18 36	1 4	1 13	0 46	21 28	0 23	8 36	11 32	22 42	22 46	19 40	18 19	5 3	W12
T 13	20 46	11 42	4 21	17 25	4 36	20 47	2 3	7 14	0 34	15 38	0 54	18 37	1 4	1 13	0 46	21 28	0 23	8 36	11 31	22 42	22 47	19 41	18 19	5 3	T 13
F 14	20 35	7 5	4 55	17 38	4 28	20 57	2 0	7 28	0 35	15 34	0 54	18 38	1 4	1 14	0 46	21 28	0 23	8 36	11 31	22 43	22 47	19 43	18 19	5 3	F 14
S 15	20 23	2 3	5 13	17 51	4 18	21 6	1 57	7 42	0 36	15 30	0 54	18 40	1 4	1 14	0 46	21 27	0 23	8 36	11 31	22 43	22 47	19 44	18 19	5 4	S 15
S 16	20 11	3n11	5 15	18 5	4 7	21 14	1 54	7 56	0 36	15 26	0 54	18 41	1 4	1 14	0 46	21 27	0 23	8 37	11 30	22 43	22 48	19 46	18 19	5 4	S 16
M17	19 58	8 21	4 58	18 20	3 55	21 22	1 51	8 10	0 37	15 22	0 54	18 42	1 4	1 15	0 46	21 27	0 23	8 37	11 30	22 43	22 48	19 47	18 18	5 4	M17
T 18	19 45	13 11	4 23	18 34	3 41	21 29	1 48	8 24	0 38	15 18	0 54	18 43	1 4	1 15	0 46	21 26	0 23	8 37	11 29	22 43	22 48	19 49	18 18	5 5	T 18
W19	19 32	17 21	3 32	18 49	3 27	21 36	1 45	8 39	0 39	15 14	0 54	18 45	1 4	1 16	0 46	21 26	0 23	8 38	11 29	22 43	22 49	19 51	18 18	5 5	W19
T 20	19 19	20 31	2 26	19 3	3 12	21 42	1 42	8 53	0 40	15 10	0 54	18 46	1 5	1 16	0 46	21 26	0 23	8 38	11 28	22 42	22 49	19 52	18 18	5 5	T 20
F 21	19 5	22 21	1 10	19 18	2 57	21 48	1 39	9 7	0 41	15 6	0 54	18 47	1 5	1 17	0 46	21 25	0 23	8 38	11 28	22 42	22 49	19 54	18 18	5 6	F 21
S 22	18 51	22 39	0n11	19 31	2 41	21 53	1 36	9 21	0 42	15 1	0 54	18 49	1 5	1 17	0 46	21 25	0 23	8 39	11 28	22 42	22 50	19 55	18 18	5 6	S 22
S 23	18 36	21 24	1 30	19 44	2 24	21 58	1 33	9 35	0 43	14 57	0 54	18 50	1 5	1 18	0 46	21 25	0 23	8 39	11 27	22 42	22 50	19 57	18 18	5 6	S 23
M24	18 22	18 45	2 42	19 57	2 8	22 2	1 30	9 49	0 44	14 53	0 54	18 51	1 5	1 18	0 46	21 24	0 23	8 40	11 27	22 43	22 50	19 58	18 18	5 7	M24
T 25	18 7	15 2	3 43	20 8	1 51	22 6	1 26	10 4	0 45	14 49	0 54	18 53	1 5	1 19	0 46	21 24	0 23	8 40	11 26	22 43	22 50	20 0	18 17	5 7	T 25
W26	17 51	10 35	4 29	20 17	1 34	22 9	1 23	10 18	0 45	14 45	0 54	18 54	1 5	1 19	0 46	21 24	0 23	8 40	11 26	22 43	22 51	20 2	18 17	5 7	W26
T 27	17 36	5 45	4 59	20 26	1 18	22 11	1 20	10 32	0 46	14 40	0 54	18 55	1 5	1 20	0 46	21 23	0 23	8 41	11 25	22 44	22 51	20 3	18 17	5 8	T 27
F 28	17 20	0 48	5 13	20 32	1 2	22 13	1 16	10 46	0 47	14 36	0 54	18 57	1 5	1 20	0 46	21 23	0 23	8 41	11 25	22 44	22 51	20 5	18 17	5 8	F 28
S 29	17 3	4s 3	5 11	20 37	0 46	22 14	1 13	11 0	0 48	14 32	0 54	18 58	1 5	1 21	0 46	21 23	0 23	8 42	11 24	22 44	22 52	20 6	18 17	5 9	S 29
S 30	16 47	8 38	4 54	20 39	0 31	22 15	1 10	11 14	0 49	14 28	0 54	18 59	1 5	1 22	0 46	21 22	0 23	8 42	11 24	22 45	22 52	20 8	18 16	5 9	S 30
M31	16n30	12s47	4n25	20n40	0s16	22n15	1s 6	11s29	0s49	14n23	0n54	19s 0	1s 5	1s22	0s46	21n22	0s23	8s42	11n23	22n45	22n52	20s 9	18n16	5s 9	M31

Julian Day Number = 2179993.5, Delta T = 11m35s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'19, Lahiri = 13°29'19 Julian Calendar 1 July 1256 == Greg. Calendar 8 July 1256

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

AUGUST 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 8 4	15♌37'08	29♏ 1	27♋53	8♋ 7	28♎21	24♌20	9°R23	28°R18	21♋57	28°D 8	14♋30	13♋11	14♐33	24♊37	T 1
W 2	21 12 1	16°34'54	10♐51	29°19	9°17	28°58	24°33	9♒19	28♓17	21°59	28♏ 8	14°32	13° 8	14°39	24°41	W 2
T 3	21 15 57	17°32'41	22°41	0♌51	10°27	29°36	24°46	9°15	28°15	22° 1	28° 8	14°34	13° 5	14°46	24°45	T 3
F 4	21 19 54	18°30'30	4♑36	2°26	11°37	0♏13	24°59	9°10	28°14	22° 3	28° 8	14°35	13° 2	14°53	24°49	F 4
S 5	21 23 50	19°28'20	16°38	4° 6	12°47	0°51	25°12	9° 6	28°12	22° 5	28° 8	14°R35	12°58	14°59	24°53	S 5
S 6	21 27 47	20°26'12	28°53	5°49	13°58	1°29	25°25	9° 1	28°10	22° 7	28° 8	14°34	12°55	15° 6	24°57	S 6
M 7	21 31 44	21°24'05	11♒21	7°36	15° 8	2° 7	25°38	8°57	28° 8	22° 9	28° 9	14°32	12°52	15°13	25° 1	M 7
T 8	21 35 40	22°21'59	24° 4	9°25	16°19	2°45	25°51	8°53	28° 7	22°11	28° 9	14°27	12°49	15°19	25° 5	T 8
W 9	21 39 37	23°19'55	7♓ 3	11°17	17°29	3°23	26° 4	8°48	28° 5	22°13	28° 9	14°22	12°46	15°26	25° 9	W 9
T 10	21 43 33	24°17'53	20°17	13°10	18°40	4° 2	26°17	8°44	28° 3	22°15	28° 9	14°15	12°43	15°33	25°12	T 10
F 11	21 47 30	25°15'52	3♈44	15° 5	19°51	4°40	26°30	8°40	28° 1	22°17	28°10	14° 9	12°39	15°39	25°16	F 11
S 12	21 51 26	26°13'53	17°24	17° 1	21° 2	5°19	26°43	8°36	27°59	22°19	28°10	14° 3	12°36	15°46	25°20	S 12
S 13	21 55 23	27°11'56	1♉13	18°58	22°13	5°58	26°56	8°31	27°57	22°21	28°10	13°58	12°33	15°53	25°23	S 13
M14	21 59 19	28°10'01	15°10	20°55	23°24	6°37	27° 9	8°27	27°55	22°23	28°11	13°56	12°30	15°59	25°27	M14
T 15	22 3 16	29° 8'09	29°15	22°53	24°36	7°16	27°23	8°23	27°53	22°25	28°11	13°D55	12°27	16° 6	25°30	T 15
W16	22 7 13	0♍ 6'18	13♊25	24°50	25°47	7°55	27°36	8°19	27°51	22°27	28°12	13°56	12°24	16°12	25°33	W16
T 17	22 11 9	1° 4'29	27°38	26°47	26°59	8°34	27°49	8°15	27°49	22°29	28°12	13°57	12°20	16°19	25°37	T 17
F 18	22 15 6	2° 2'43	11♋54	28°44	28°10	9°14	28° 2	8°11	27°47	22°30	28°13	13°R57	12°17	16°26	25°40	F 18
S 19	22 19 2	3° 0'58	26° 9	0♍39	29°22	9°53	28°15	8° 7	27°45	22°32	28°13	13°57	12°14	16°32	25°43	S 19
S 20	22 22 59	3°59'16	10♌21	2°35	0♌33	10°33	28°28	8° 4	27°43	22°34	28°14	13°54	12°11	16°39	25°46	S 20
M21	22 26 55	4°57'35	24°24	4°29	1°45	11°13	28°41	8° 0	27°40	22°36	28°14	13°49	12° 8	16°46	25°49	M21
T 22	22 30 52	5°55'56	8♍15	6°22	2°57	11°53	28°54	7°56	27°38	22°38	28°15	13°42	12° 4	16°52	25°52	T 22
W23	22 34 48	6°54'19	21°50	8°15	4° 9	12°33	29° 7	7°52	27°36	22°39	28°16	13°33	12° 1	16°59	25°55	W23
T 24	22 38 45	7°52'44	5♎ 7	10° 6	5°21	13°13	29°20	7°49	27°34	22°41	28°17	13°24	11°58	17° 6	25°58	T 24
F 25	22 42 42	8°51'10	18° 3	11°57	6°33	13°54	29°33	7°45	27°32	22°43	28°17	13°15	11°55	17°12	26° 1	F 25
S 26	22 46 38	9°49'38	0♏39	13°46	7°45	14°34	29°46	7°42	27°29	22°44	28°18	13° 7	11°52	17°19	26° 3	S 26
S 27	22 50 35	10°48'08	12°58	15°35	8°58	15°15	29°59	7°38	27°27	22°46	28°19	13° 1	11°49	17°26	26° 6	S 27
M28	22 54 31	11°46'40	25° 3	17°22	10°10	15°55	0♍12	7°35	27°25	22°47	28°20	12°57	11°45	17°32	26° 9	M28
T 29	22 58 28	12°45'13	6♐57	19° 8	11°22	16°36	0°25	7°32	27°22	22°49	28°21	12°56	11°42	17°39	26°11	T 29
W30	23 2 24	13°43'48	18°47	20°53	12°35	17°17	0°37	7°29	27°20	22°51	28°22	12°D56	11°39	17°46	26°14	W30
T 31	23 6 21	14♍42'25	0♑37	22♍37	13♌47	17♏58	0♍50	7♒25	27♓18	22♋52	28♏23	12♋56	11♋36	17♐52	26♊16	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16n13	16s22	3n44	20n38	0s 2	22n14	1s 3	11s43	0s50	14n19	0n54	19s 2	1s 6	1s23	0s46	21n22	0s23	8s43	11n23	22n45	22n53	20s11	18n16	5s10	
W 2	15 56	19 17	2 54	20 33	0n11	22 13	1 0	11 57	0 51	14 15	0 54	19 3	1 6	1 24	0 46	21 21	0 23	8 43	11 23	22 44	22 53	20 12	18 16	5 10	
T 3	15 38	21 23	1 57	20 26	0 24	22 11	0 56	12 11	0 52	14 10	0 54	19 4	1 6	1 24	0 46	21 21	0 23	8 44	11 22	22 44	22 53	20 14	18 15	5 11	
F 4	15 20	22 33	0 54	20 16	0 36	22 9	0 53	12 25	0 53	14 6	0 55	19 5	1 6	1 25	0 46	21 21	0 23	8 44	11 22	22 44	22 54	20 15	18 15	5 11	
S 5	15 2	22 41	0s11	20 4	0 47	22 6	0 50	12 39	0 53	14 2	0 55	19 7	1 6	1 26	0 46	21 20	0 23	8 45	11 21	22 44	22 54	20 17	18 15	5 11	
S 6	14 44	21 44	1 17	19 48	0 57	22 2	0 46	12 53	0 54	13 57	0 55	19 8	1 6	1 26	0 46	21 20	0 23	8 45	11 21	22 44	22 54	20 18	18 15	5 12	
M 7	14 26	19 42	2 21	19 30	1 6	21 58	0 43	13 7	0 55	13 53	0 55	19 9	1 6	1 27	0 46	21 20	0 23	8 46	11 20	22 44	22 55	20 20	18 14	5 12	
T 8	14 7	16 40	3 18	19 9	1 14	21 53	0 39	13 21	0 55	13 49	0 55	19 10	1 6	1 28	0 46	21 19	0 23	8 46	11 20	22 45	22 55	20 21	18 14	5 13	
W 9	13 48	12 46	4 7	18 46	1 21	21 48	0 36	13 34	0 56	13 44	0 55	19 11	1 6	1 29	0 46	21 19	0 23	8 47	11 19	22 45	22 55	20 23	18 14	5 13	
T 10	13 29	8 12	4 43	18 20	1 27	21 41	0 33	13 48	0 57	13 40	0 55	19 13	1 6	1 29	0 46	21 19	0 23	8 47	11 19	22 46	22 56	20 24	18 14	5 14	
F 11	13 9	3 10	5 4	17 51	1 33	21 35	0 29	14 2	0 57	13 35	0 55	19 14	1 6	1 30	0 46	21 18	0 23	8 48	11 18	22 47	22 56	20 26	18 13	5 14	
S 12	12 49	2n 6	5 9	17 20	1 37	21 27	0 26	14 16	0 58	13 31	0 55	19 15	1 6	1 31	0 46	21 18	0 23	8 48	11 18	22 47	22 56	20 27	18 13	5 14	
S 13	12 30	7 19	4 56	16 48	1 41	21 19	0 23	14 29	0 59	13 27	0 55	19 16	1 6	1 32	0 46	21 18	0 23	8 49	11 17	22 48	22 56	20 29	18 13	5 15	
M14	12 10	12 14	4 25	16 13	1 44	21 11	0 19	14 43	0 59	13 22	0 55	19 17	1 6	1 32	0 46	21 17	0 23	8 49	11 17	22 48	22 57	20 30	18 12	5 15	
T 15	11 49	16 31	3 38	15 36	1 46	21 2	0 16	14 56	1 0	13 18	0 55	19 18	1 6	1 33	0 46	21 17	0 23	8 50	11 16	22 48	22 57	20 32	18 12	5 16	
W16	11 29	19 54	2 37	14 58	1 47	20 52	0 13	15 10	1 1	13 13	0 55	19 19	1 6	1 34	0 46	21 17	0 23	8 50	11 16	22 48	22 57	20 33	18 11	5 16	
T 17	11 8	22 4	1 27	14 19	1 47	20 42	0 9	15 23	1 1	13 9	0 55	19 21	1 6	1 35	0 47	21 17	0 23	8 51	11 16	22 48	22 58	20 35	18 11	5 17	
F 18	10 47	22 49	0 11	13 38	1 47	20 31	0 6	15 36	1 2	13 4	0 55	19 22	1 6	1 36	0 47	21 16	0 23	8 52	11 15	22 48	22 58	20 36	18 11	5 17	
S 19	10 26	22 4	1n 5	12 56	1 46	20 19	0 3	15 50	1 3	13 0	0 55	19 23	1 6	1 37	0 47	21 16	0 23	8 52	11 15	22 48	22 58	20 38	18 10	5 18	
S 20	10 5	19 55	2 17	12 13	1 45	20 7	0n 0	16 3	1 3	12 55	0 55	19 24	1 6	1 38	0 47	21 16	0 23	8 53	11 14	22 48	22 58	20 39	18 10	5 18	
M21	9 44	16 35	3 20	11 30	1 43	19 54	0 3	16 16	1 4	12 51	0 55	19 25	1 6	1 38	0 47	21 15	0 23	8 53	11 14	22 49	22 59	20 41	18 10	5 19	
T 22	9 22	12 22	4 10	10 45	1 40	19 41	0 7	16 29	1 4	12 46	0 56	19 26	1 7	1 39	0 47	21 15	0 23	8 54	11 13	22 50	22 59	20 42	18 9	5 19	
W23	9 1	7 36	4 44	10 0	1 37	19 27	0 10	16 42	1 5	12 42	0 56	19 27	1 7	1 40	0 47	21 15	0 23	8 55	11 13	22 51	22 59	20 43	18 9	5 20	
T 24	8 39	2 35	5 3	9 15	1 34	19 13	0 13	16 55	1 5	12 37	0 56	19 28	1 7	1 41	0 47	21 15	0 23	8 55	11 12	22 51	23 0	20 45	18 8	5 20	
F 25	8 17	2s25	5 5	8 29	1 30	18 58	0 16	17 7	1 6	12 33	0 56	19 29	1 7	1 42	0 47	21 14	0 23	8 56	11 12	22 52	23 0	20 46	18 8	5 21	
S 26	7 55	7 12	4 52	7 43	1 25	18 42	0 19	17 20	1 7	12 28	0 56	19 29	1 7	1 43	0 47	21 14	0 23	8 56	11 11	22 53	23 0	20 48	18 8	5 21	
S 27	7 33	11 35	4 25	6 57	1 21	18 26	0 22	17 32	1 7	12 24	0 56	19 30	1 7	1 44	0 47	21 14	0 23	8 57	11 11	22 54	23 0	20 49	18 7	5 22	
M28	7 10	15 25	3 48	6 10	1 16	18 10	0 25	17 45	1 8	12 19	0 56	19 31	1 7	1 45	0 47	21 13	0 23	8 58	11 10	22 54	23 1	20 51	18 7	5 22	
T 29	6 48	18 36	3 0	5 24	1 10	17 53	0 27	17 57	1 8	12 15	0 56	19 32	1 7	1 46	0 47	21 13	0 23	8 58	11 10	22 54	23 1	20 52	18 6	5 23	
W30	6 25	20 58	2 6	4 37	1 5	17 35	0 30	18 9	1 9	12 10	0 56	19 33	1 7	1 47	0 47	21 13	0 23	8 59	11 10	22 54	23 1	20 53	18 6	5 23	
T 31	6n 3	22s27	1n 6	3n51	0n59	17n17	0n33	18s21	1s 9	12n 6	0n56	19s34	1s 7	1s48	0s47	21n13	0s23	8s59	11n 9	22n54	23n 2	20s55	18n 5	5s24	

Julian Day Number = 2180024.5, Delta T = 11m35s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'23, Lahiri = 13°29'23 Julian Calendar 1 Aug. 1256 == Greg. Calendar 8 Aug. 1256

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

SEPTEMBER 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 10 17	15♍41'04	12♉32	24♍21	15♌ 0	18♏39	1♍ 3	7°R22	27°R15	22♋54	28♏24	12°R57	11♋33	17♐59	26♊18	F 1
S 2	23 14 14	16°39'44	24°38	26° 3	16°13	19°20	1°16	7♒19	27♓13	22°55	28°25	12♋56	11°30	18° 6	26°20	S 2
S 3	23 18 10	17°38'26	7♒ 0	27°44	17°26	20° 2	1°29	7°16	27°11	22°57	28°26	12°53	11°26	18°12	26°22	S 3
M 4	23 22 7	18°37'10	19°39	29°24	18°38	20°43	1°42	7°14	27° 8	22°58	28°27	12°48	11°23	18°19	26°24	M 4
T 5	23 26 4	19°35'55	2♓39	1♎ 3	19°51	21°25	1°54	7°11	27° 6	22°59	28°28	12°41	11°20	18°26	26°26	T 5
W 6	23 30 0	20°34'43	15°59	2°41	21° 4	22° 6	2° 7	7° 8	27° 4	23° 1	28°29	12°31	11°17	18°32	26°28	W 6
T 7	23 33 57	21°33'32	29°37	4°18	22°17	22°48	2°20	7° 6	27° 1	23° 2	28°30	12°20	11°14	18°39	26°30	T 7
F 8	23 37 53	22°32'24	13♈31	5°54	23°30	23°30	2°32	7° 3	26°59	23° 4	28°31	12° 9	11°10	18°46	26°32	F 8
S 9	23 41 50	23°31'18	27°37	7°30	24°44	24°12	2°45	7° 1	26°56	23° 5	28°33	11°58	11° 7	18°52	26°33	S 9
S 10	23 45 46	24°30'14	11♉48	9° 4	25°57	24°54	2°58	6°58	26°54	23° 6	28°34	11°50	11° 4	18°59	26°35	S 10
M11	23 49 43	25°29'12	26° 2	10°38	27°10	25°36	3°10	6°56	26°51	23° 7	28°35	11°45	11° 1	19° 6	26°37	M11
T 12	23 53 39	26°28'13	10♊15	12°10	28°24	26°18	3°23	6°54	26°49	23° 9	28°36	11°42	10°58	19°12	26°38	T 12
W13	23 57 36	27°27'16	24°24	13°42	29°37	27° 0	3°35	6°52	26°47	23°10	28°38	11°D41	10°55	19°19	26°39	W13
T 14	0 1 33	28°26'21	8♋28	15°13	0♍51	27°43	3°48	6°50	26°44	23°11	28°39	11°R41	10°51	19°26	26°41	T 14
F 15	0 5 29	29°25'29	22°27	16°43	2° 4	28°25	4° 0	6°48	26°42	23°12	28°41	11°41	10°48	19°32	26°42	F 15
S 16	0 9 26	0♎24'40	6♌20	18°13	3°18	29° 8	4°12	6°46	26°39	23°13	28°42	11°39	10°45	19°39	26°43	S 16
S 17	0 13 22	1°23'52	20° 6	19°41	4°31	29°51	4°25	6°45	26°37	23°14	28°43	11°35	10°42	19°46	26°44	S 17
M18	0 17 19	2°23'07	3♍44	21° 9	5°45	0♐34	4°37	6°43	26°34	23°15	28°45	11°27	10°39	19°52	26°45	M18
T 19	0 21 15	3°22'24	17°12	22°36	6°59	1°16	4°49	6°42	26°32	23°16	28°46	11°17	10°35	19°59	26°46	T 19
W20	0 25 12	4°21'43	0♎27	24° 1	8°13	1°59	5° 1	6°40	26°30	23°17	28°48	11° 4	10°32	20° 5	26°46	W20
T 21	0 29 8	5°21'04	13°27	25°26	9°27	2°43	5°14	6°39	26°27	23°18	28°50	10°51	10°29	20°12	26°47	T 21
F 22	0 33 5	6°20'27	26°12	26°50	10°41	3°26	5°26	6°38	26°25	23°19	28°51	10°38	10°26	20°19	26°48	F 22
S 23	0 37 2	7°19'52	8♏42	28°13	11°55	4° 9	5°38	6°37	26°23	23°20	28°53	10°26	10°23	20°25	26°48	S 23
S 24	0 40 58	8°19'19	20°56	29°35	13° 9	4°52	5°50	6°36	26°20	23°21	28°54	10°17	10°20	20°32	26°49	S 24
M25	0 44 55	9°18'48	2♐58	0♏56	14°23	5°36	6° 2	6°35	26°18	23°22	28°56	10°10	10°16	20°39	26°49	M25
T 26	0 48 51	10°18'19	14°50	2°16	15°37	6°19	6°13	6°34	26°15	23°23	28°58	10° 6	10°13	20°45	26°49	T 26
W27	0 52 48	11°17'52	26°38	3°35	16°51	7° 3	6°25	6°33	26°13	23°23	28°59	10° 4	10°10	20°52	26°49	W27
T 28	0 56 44	12°17'27	8♑26	4°52	18° 6	7°47	6°37	6°33	26°11	23°24	29° 1	10° 4	10° 7	20°59	26°R49	T 28
F 29	1 0 41	13°17'03	20°21	6° 9	19°20	8°30	6°49	6°32	26° 9	23°25	29° 3	10° 4	10° 4	21° 5	26°49	F 29
S 30	1 4 37	14♎16'41	2♒26	7♏23	20♍34	9♐14	7♍ 0	6♒32	26♓ 6	23♋25	29♏ 5	10♋ 3	10♋ 1	21♐12	26♊49	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n40	22s54	0n 2	3n 4	0n53	16n58	0n36	18s33	1s10	12n 1	0n56	19s35	1s 7	1s48	0s47	21n12	0s23	9s 0	11n 9	22n54	23n 2	20s56	18n 5	5s24
S 2	5 17	22 18	1s 2	2 18	0 47	16 39	0 38	18 45	1 10	11 57	0 56	19 35	1 7	1 49	0 47	21 12	0 23	9 1	11 8	22 54	23 2	20 58	18 4	5 25
S 3	4 54	20 36	2 5	1 32	0 41	16 20	0 41	18 57	1 11	11 52	0 57	19 36	1 7	1 50	0 47	21 12	0 23	9 1	11 8	22 54	23 2	20 59	18 4	5 25
M 4	4 31	17 52	3 2	0 46	0 34	15 59	0 44	19 9	1 11	11 48	0 57	19 37	1 7	1 51	0 47	21 12	0 23	9 2	11 7	22 55	23 3	21 0	18 3	5 26
T 5	4 8	14 11	3 52	0 0	0 27	15 39	0 46	19 20	1 11	11 43	0 57	19 38	1 7	1 52	0 47	21 11	0 23	9 3	11 7	22 56	23 3	21 2	18 3	5 26
W 6	3 45	9 42	4 31	0s45	0 21	15 18	0 49	19 31	1 12	11 39	0 57	19 38	1 7	1 53	0 47	21 11	0 23	9 3	11 7	22 57	23 3	21 3	18 2	5 27
T 7	3 22	4 39	4 55	1 30	0 14	14 57	0 51	19 43	1 12	11 34	0 57	19 39	1 7	1 54	0 47	21 11	0 23	9 4	11 6	22 58	23 4	21 5	18 2	5 28
F 8	2 58	0n43	5 2	2 15	0 7	14 35	0 53	19 54	1 13	11 30	0 57	19 39	1 7	1 55	0 47	21 11	0 23	9 5	11 6	22 59	23 4	21 6	18 1	5 28
S 9	2 35	6 8	4 51	2 59	0s 0	14 12	0 56	20 5	1 13	11 25	0 57	19 40	1 7	1 56	0 47	21 11	0 23	9 5	11 5	23 0	23 4	21 7	18 1	5 29
S 10	2 12	11 17	4 22	3 43	0 7	13 50	0 58	20 15	1 13	11 21	0 57	19 41	1 7	1 57	0 47	21 10	0 23	9 6	11 5	23 0	23 4	21 9	18 0	5 29
M11	1 48	15 49	3 37	4 27	0 15	13 27	1 0	20 26	1 14	11 16	0 57	19 41	1 7	1 58	0 47	21 10	0 23	9 7	11 4	23 1	23 5	21 10	18 0	5 30
T 12	1 25	19 28	2 38	5 10	0 22	13 3	1 2	20 36	1 14	11 12	0 57	19 42	1 7	1 59	0 47	21 10	0 23	9 7	11 4	23 1	23 5	21 11	17 59	5 30
W13	1 1	21 55	1 30	5 53	0 29	12 39	1 4	20 47	1 15	11 8	0 58	19 42	1 7	2 0	0 47	21 10	0 23	9 8	11 4	23 1	23 5	21 13	17 59	5 31
T 14	0 37	22 59	0 17	6 35	0 36	12 15	1 6	20 57	1 15	11 3	0 58	19 43	1 7	2 1	0 47	21 10	0 23	9 9	11 3	23 1	23 5	21 14	17 58	5 31
F 15	0 14	22 35	0n57	7 16	0 44	11 50	1 8	21 7	1 15	10 59	0 58	19 43	1 7	2 2	0 47	21 9	0 23	9 9	11 3	23 1	23 6	21 15	17 58	5 32
S 16	0s10	20 48	2 7	7 57	0 51	11 26	1 10	21 17	1 16	10 54	0 58	19 44	1 7	2 3	0 47	21 9	0 23	9 10	11 2	23 1	23 6	21 17	17 57	5 32
S 17	0 33	17 49	3 8	8 38	0 58	11 0	1 12	21 26	1 16	10 50	0 58	19 44	1 7	2 4	0 47	21 9	0 23	9 11	11 2	23 2	23 6	21 18	17 57	5 33
M18	0 57	13 53	3 58	9 17	1 5	10 35	1 14	21 36	1 16	10 45	0 58	19 44	1 7	2 5	0 47	21 9	0 23	9 11	11 2	23 2	23 6	21 19	17 56	5 34
T 19	1 21	9 17	4 35	9 57	1 12	10 9	1 15	21 45	1 17	10 41	0 58	19 45	1 7	2 6	0 47	21 9	0 23	9 12	11 1	23 3	23 7	21 21	17 56	5 34
W20	1 44	4 20	4 55	10 35	1 19	9 43	1 17	21 54	1 17	10 37	0 58	19 45	1 6	2 7	0 47	21 8	0 23	9 13	11 1	23 4	23 7	21 22	17 55	5 35
T 21	2 8	0s44	5 0	11 13	1 26	9 16	1 18	22 3	1 17	10 32	0 59	19 45	1 6	2 8	0 47	21 8	0 23	9 14	11 0	23 5	23 7	21 23	17 55	5 35
F 22	2 32	5 40	4 49	11 50	1 33	8 49	1 20	22 12	1 18	10 28	0 59	19 46	1 6	2 9	0 47	21 8	0 23	9 14	11 0	23 6	23 7	21 25	17 54	5 36
S 23	2 55	10 16	4 25	12 26	1 40	8 22	1 21	22 20	1 18	10 24	0 59	19 46	1 6	2 10	0 47	21 8	0 23	9 15	11 0	23 7	23 8	21 26	17 53	5 36
S 24	3 19	14 23	3 49	13 2	1 47	7 55	1 23	22 28	1 18	10 19	0 59	19 46	1 6	2 10	0 47	21 8	0 23	9 16	10 59	23 8	23 8	21 27	17 53	5 37
M25	3 42	17 51	3 3	13 37	1 53	7 28	1 24	22 37	1 18	10 15	0 59	19 46	1 6	2 11	0 47	21 8	0 23	9 16	10 59	23 9	23 8	21 29	17 52	5 38
T 26	4 6	20 32	2 9	14 11	1 59	7 0	1 25	22 45	1 19	10 11	0 59	19 47	1 6	2 12	0 47	21 8	0 23	9 17	10 59	23 9	23 8	21 30	17 52	5 38
W27	4 29	22 19	1 11	14 44	2 6	6 32	1 26	22 52	1 19	10 7	0 59	19 47	1 6	2 13	0 47	21 7	0 23	9 18	10 58	23 9	23 9	21 31	17 51	5 39
T 28	4 53	23 7	0 9	15 16	2 11	6 4	1 27	23 0	1 19	10 2	0 59	19 47	1 6	2 14	0 47	21 7	0 23	9 18	10 58	23 9	23 9	21 32	17 51	5 39
F 29	5 16	22 53	0s54	15 47	2 17	5 35	1 28	23 7	1 19	9 58	1 0	19 47	1 6	2 15	0 47	21 7	0 23	9 19	10 58	23 9	23 9	21 34	17 50	5 40
S 30	5s39	21s34	1s56	16s17	2s23	5n 7	1n29	23s14	1s20	9n54	1n 0	19s47	1s 6	2s16	0s47	21n 7	0s23	9s20	10n57	23n 9	23n 9	21s35	17n50	5s40

Julian Day Number = 2180055.5, Delta T = 11m34s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'27, Lahiri = 13°29'28 Julian Calendar 1 Sept. 1256 == Greg. Calendar 8 Sept. 1256

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

OCTOBER 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 8 34	15♎16'21	14♒49	8♏37	21♍49	9♐58	7♍12	6°R31	26°R 4	23♋26	29♏ 6	10°R 0	9♋57	21♐19	26°R49	S 1
M 2	1 12 31	16°16'03	27°33	9°48	23° 3	10°42	7°23	6♒31	26♓ 2	23°27	29° 8	9♋55	9°54	21°25	26♊49	M 2
T 3	1 16 27	17°15'46	10♓41	10°58	24°17	11°26	7°35	6°D31	26° 0	23°27	29°10	9°47	9°51	21°32	26°48	T 3
W 4	1 20 24	18°15'31	24°14	12° 6	25°32	12°10	7°46	6°31	25°57	23°28	29°12	9°37	9°48	21°39	26°48	W 4
T 5	1 24 20	19°15'18	8♈11	13°11	26°46	12°55	7°57	6°31	25°55	23°28	29°14	9°25	9°45	21°45	26°48	T 5
F 6	1 28 17	20°15'07	22°29	14°15	28° 1	13°39	8° 9	6°32	25°53	23°29	29°16	9°13	9°41	21°52	26°47	F 6
S 7	1 32 13	21°14'58	7♉ 1	15°15	29°16	14°23	8°20	6°32	25°51	23°29	29°18	9° 2	9°38	21°59	26°46	S 7
S 8	1 36 10	22°14'51	21°40	16°13	0♎30	15° 8	8°31	6°32	25°49	23°29	29°20	8°53	9°35	22° 5	26°46	S 8
M 9	1 40 6	23°14'47	6♊18	17° 7	1°45	15°52	8°42	6°33	25°47	23°30	29°22	8°47	9°32	22°12	26°45	M 9
T 10	1 44 3	24°14'44	20°50	17°58	3° 0	16°37	8°53	6°33	25°45	23°30	29°24	8°44	9°29	22°19	26°44	T 10
W11	1 47 59	25°14'44	5♋11	18°45	4°14	17°21	9° 4	6°34	25°43	23°30	29°26	8°D42	9°26	22°25	26°43	W11
T 12	1 51 56	26°14'46	19°20	19°28	5°29	18° 6	9°14	6°35	25°41	23°31	29°28	8°R43	9°22	22°32	26°42	T 12
F 13	1 55 53	27°14'50	3♌14	20° 5	6°44	18°51	9°25	6°36	25°39	23°31	29°30	8°43	9°19	22°38	26°41	F 13
S 14	1 59 49	28°14'56	16°55	20°37	7°59	19°36	9°36	6°37	25°37	23°31	29°32	8°41	9°16	22°45	26°39	S 14
S 15	2 3 46	29°15'05	0♍24	21° 3	9°14	20°21	9°46	6°38	25°35	23°31	29°34	8°37	9°13	22°52	26°38	S 15
M16	2 7 42	0♏15'15	13°40	21°23	10°29	21° 6	9°57	6°39	25°33	23°31	29°36	8°31	9°10	22°58	26°37	M16
T 17	2 11 39	1°15'28	26°44	21°35	11°44	21°51	10° 7	6°41	25°31	23°32	29°38	8°22	9° 6	23° 5	26°35	T 17
W18	2 15 35	2°15'42	9♎37	21°R39	12°59	22°36	10°17	6°42	25°29	23°32	29°40	8°11	9° 3	23°12	26°33	W18
T 19	2 19 32	3°15'59	22°18	21°34	14°14	23°21	10°27	6°44	25°28	23°R32	29°42	7°58	9° 0	23°18	26°32	T 19
F 20	2 23 28	4°16'17	4♏47	21°20	15°29	24° 6	10°37	6°45	25°26	23°32	29°44	7°46	8°57	23°25	26°30	F 20
S 21	2 27 25	5°16'37	17° 5	20°57	16°44	24°52	10°47	6°47	25°24	23°32	29°47	7°35	8°54	23°32	26°28	S 21
S 22	2 31 22	6°16'59	29°11	20°23	17°59	25°37	10°57	6°49	25°22	23°31	29°49	7°27	8°51	23°38	26°26	S 22
M23	2 35 18	7°17'22	11♐ 7	19°40	19°14	26°23	11° 7	6°51	25°21	23°31	29°51	7°20	8°47	23°45	26°24	M23
T 24	2 39 15	8°17'47	22°57	18°47	20°29	27° 8	11°17	6°53	25°19	23°31	29°53	7°17	8°44	23°52	26°22	T 24
W25	2 43 11	9°18'14	4♑43	17°45	21°44	27°54	11°26	6°55	25°18	23°31	29°55	7°D16	8°41	23°58	26°20	W25
T 26	2 47 8	10°18'42	16°30	16°35	23° 0	28°39	11°35	6°57	25°16	23°31	29°58	7°16	8°38	24° 5	26°18	T 26
F 27	2 51 4	11°19'11	28°22	15°19	24°15	29°25	11°45	7° 0	25°15	23°31	29°59	7°17	8°35	24°12	26°16	F 27
S 28	2 55 1	12°19'42	10♒25	14° 0	25°30	0♑11	11°54	7° 2	25°13	23°30	0♐ 2	7°R18	8°32	24°18	26°14	S 28
S 29	2 58 57	13°20'14	22°45	12°39	26°45	0°56	12° 3	7° 5	25°12	23°30	0° 4	7°17	8°28	24°25	26°11	S 29
M30	3 2 54	14°20'47	5♓25	11°19	28° 0	1°42	12°12	7° 7	25°11	23°30	0° 7	7°15	8°25	24°32	26° 9	M30
T 31	3 6 51	15♏21'21	18♓31	10♏ 3	29♎16	2♑28	12♍21	7♒10	25♓ 9	23♋29	0♐ 9	7♋10	8♋22	24♐38	26♊ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6s 2	19s13	2s53	16s46	2s28	4n38	1n30	23s21	1s20	9n50	1n 0	19s47	1s 6	2s17	0s46	21n 7	0s23	9s20	10n57	23n 9	23n10	21s36	17n49	5s41
M 2	6 25	15 52	3 43	17 13	2 33	4 9	1 30	23 28	1 20	9 46	1 0	19 47	1 6	2 18	0 46	21 7	0 23	9 21	10 57	23 10	23 10	21 37	17 48	5 41
T 3	6 48	11 39	4 23	17 40	2 37	3 40	1 31	23 34	1 20	9 41	1 0	19 47	1 6	2 19	0 46	21 7	0 23	9 22	10 56	23 10	23 10	21 39	17 48	5 42
W 4	7 11	6 44	4 50	18 5	2 42	3 11	1 32	23 40	1 20	9 37	1 0	19 47	1 6	2 19	0 46	21 7	0 23	9 23	10 56	23 11	23 10	21 40	17 47	5 43
T 5	7 34	1 21	5 1	18 29	2 46	2 42	1 32	23 46	1 21	9 33	1 1	19 47	1 6	2 20	0 46	21 7	0 23	9 23	10 56	23 12	23 11	21 41	17 47	5 43
F 6	7 57	4n15	4 53	18 52	2 49	2 12	1 33	23 52	1 21	9 29	1 1	19 47	1 6	2 21	0 46	21 6	0 23	9 24	10 55	23 13	23 11	21 43	17 46	5 44
S 7	8 19	9 43	4 26	19 13	2 52	1 43	1 33	23 57	1 21	9 25	1 1	19 47	1 6	2 22	0 46	21 6	0 23	9 25	10 55	23 14	23 11	21 44	17 46	5 44
S 8	8 42	14 41	3 42	19 32	2 54	1 13	1 33	24 3	1 21	9 21	1 1	19 47	1 6	2 23	0 46	21 6	0 23	9 25	10 55	23 14	23 11	21 45	17 45	5 45
M 9	9 4	18 46	2 43	19 50	2 56	0 44	1 34	24 8	1 21	9 17	1 1	19 46	1 6	2 24	0 46	21 6	0 23	9 26	10 54	23 15	23 11	21 46	17 44	5 45
T 10	9 26	21 40	1 33	20 6	2 58	0 14	1 34	24 12	1 21	9 13	1 1	19 46	1 6	2 24	0 46	21 6	0 23	9 27	10 54	23 15	23 12	21 47	17 44	5 46
W11	9 48	23 7	0 19	20 19	2 58	0s16	1 34	24 17	1 21	9 9	1 2	19 46	1 6	2 25	0 46	21 6	0 23	9 27	10 54	23 15	23 12	21 49	17 43	5 46
T 12	10 10	23 4	0n56	20 31	2 58	0 45	1 34	24 21	1 22	9 5	1 2	19 46	1 6	2 26	0 46	21 6	0 23	9 28	10 53	23 15	23 12	21 50	17 43	5 47
F 13	10 32	21 34	2 6	20 40	2 57	1 15	1 34	24 25	1 22	9 1	1 2	19 46	1 6	2 27	0 46	21 6	0 23	9 29	10 53	23 15	23 12	21 51	17 42	5 47
S 14	10 54	18 49	3 8	20 47	2 55	1 45	1 34	24 29	1 22	8 58	1 2	19 45	1 6	2 27	0 46	21 6	0 23	9 29	10 53	23 15	23 13	21 52	17 42	5 48
S 15	11 15	15 6	3 59	20 51	2 52	2 15	1 33	24 33	1 22	8 54	1 2	19 45	1 6	2 28	0 46	21 6	0 23	9 30	10 53	23 15	23 13	21 54	17 41	5 49
M16	11 36	10 40	4 35	20 52	2 47	2 44	1 33	24 36	1 22	8 50	1 2	19 45	1 6	2 29	0 46	21 6	0 23	9 31	10 52	23 16	23 13	21 55	17 41	5 49
T 17	11 57	5 50	4 57	20 50	2 42	3 14	1 33	24 39	1 22	8 46	1 3	19 44	1 6	2 30	0 46	21 6	0 23	9 31	10 52	23 16	23 13	21 56	17 40	5 50
W18	12 18	0 48	5 3	20 44	2 35	3 44	1 32	24 42	1 22	8 43	1 3	19 44	1 6	2 30	0 46	21 6	0 23	9 32	10 52	23 17	23 13	21 57	17 39	5 50
T 19	12 39	4s11	4 53	20 35	2 27	4 13	1 32	24 44	1 22	8 39	1 3	19 43	1 6	2 31	0 46	21 6	0 23	9 33	10 52	23 18	23 14	21 58	17 39	5 51
F 20	13 0	8 56	4 30	20 22	2 17	4 43	1 31	24 46	1 22	8 35	1 3	19 43	1 5	2 32	0 46	21 6	0 23	9 33	10 51	23 18	23 14	21 59	17 38	5 51
S 21	13 20	13 15	3 55	20 5	2 5	5 12	1 31	24 48	1 22	8 32	1 3	19 42	1 5	2 32	0 46	21 6	0 23	9 34	10 51	23 19	23 14	22 1	17 38	5 52
S 22	13 40	16 59	3 9	19 43	1 52	5 42	1 30	24 50	1 22	8 28	1 4	19 42	1 5	2 33	0 46	21 6	0 23	9 35	10 51	23 20	23 14	22 2	17 37	5 52
M23	14 0	19 58	2 15	19 17	1 37	6 11	1 29	24 51	1 22	8 24	1 4	19 41	1 5	2 34	0 46	21 6	0 23	9 35	10 51	23 20	23 15	22 3	17 37	5 53
T 24	14 20	22 5	1 16	18 46	1 21	6 40	1 28	24 52	1 22	8 21	1 4	19 41	1 5	2 34	0 46	21 6	0 23	9 36	10 51	23 20	23 15	22 4	17 36	5 53
W25	14 39	23 13	0 14	18 12	1 3	7 9	1 27	24 53	1 22	8 18	1 4	19 40	1 5	2 35	0 46	21 6	0 23	9 37	10 50	23 20	23 15	22 5	17 36	5 54
T 26	14 58	23 20	0s49	17 33	0 43	7 38	1 27	24 54	1 22	8 14	1 4	19 40	1 5	2 35	0 46	21 6	0 23	9 37	10 50	23 20	23 15	22 6	17 35	5 54
F 27	15 17	22 23	1 51	16 52	0 23	8 7	1 26	24 54	1 22	8 11	1 5	19 39	1 5	2 36	0 46	21 6	0 23	9 38	10 50	23 20	23 15	22 8	17 35	5 55
S 28	15 36	20 24	2 49	16 9	0 3	8 35	1 24	24 54	1 22	8 7	1 5	19 38	1 5	2 36	0 46	21 6	0 23	9 39	10 50	23 20	23 16	22 9	17 34	5 55
S 29	15 54	17 27	3 40	15 25	0n18	9 4	1 23	24 54	1 22	8 4	1 5	19 38	1 5	2 37	0 46	21 6	0 23	9 39	10 49	23 20	23 16	22 10	17 33	5 55
M30	16 12	13 37	4 22	14 41	0 38	9 32	1 22	24 53	1 22	8 1	1 5	19 37	1 5	2 37	0 46	21 6	0 23	9 40	10 49	23 20	23 16	22 11	17 33	5 56
T 31	16s30	9s 1	4s52	13s59	0n57	10s 0	1n21	24s53	1s22	7n58	1n 5	19s36	1s 5	2s38	0s46	21n 6	0s23	9s41	10n49	23n20	23n16	22s12	17n32	5s56

Julian Day Number = 2180085.5, Delta T = 11m34s
Ecliptic obliquity = 23°32'08, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'31, Lahiri = 13°29'32 Julian Calendar 1 Oct. 1256 == Greg. Calendar 8 Oct. 1256

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

NOVEMBER 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 10 47	16♏21'57	2♈ 6	8°R54	0♏31	3♑14	12♍30	7♒13	25°R 8	23°R29	0♐11	7°R 4	8♋19	24♐45	26°R 4	W 1
T 2	3 14 44	17°22'34	16° 8	7♏53	1°46	4° 0	12°38	7°16	25♓ 7	23♋28	0°13	6♋56	8°16	24°51	26♊ 1	T 2
F 3	3 18 40	18°23'12	0♉37	7° 2	3° 2	4°46	12°47	7°19	25° 6	23°28	0°16	6°48	8°12	24°58	25°58	F 3
S 4	3 22 37	19°23'52	15°25	6°22	4°17	5°32	12°55	7°22	25° 4	23°27	0°18	6°40	8° 9	25° 5	25°55	S 4
S 5	3 26 33	20°24'33	0♊25	5°54	5°32	6°18	13° 4	7°25	25° 3	23°27	0°20	6°34	8° 6	25°11	25°53	S 5
M 6	3 30 30	21°25'15	15°28	5°37	6°48	7° 4	13°12	7°28	25° 2	23°26	0°23	6°30	8° 3	25°18	25°50	M 6
T 7	3 34 26	22°26'00	0♋24	5°D32	8° 3	7°50	13°20	7°32	25° 1	23°26	0°25	6°D29	8° 0	25°25	25°47	T 7
W 8	3 38 23	23°26'45	15° 7	5°37	9°18	8°37	13°28	7°35	25° 0	23°25	0°27	6°29	7°57	25°31	25°44	W 8
T 9	3 42 20	24°27'32	29°32	5°53	10°34	9°23	13°36	7°39	24°59	23°24	0°30	6°30	7°53	25°38	25°41	T 9
F 10	3 46 16	25°28'21	13♌35	6°18	11°49	10° 9	13°43	7°43	24°59	23°24	0°32	6°31	7°50	25°45	25°37	F 10
S 11	3 50 13	26°29'11	27°18	6°51	13° 5	10°55	13°51	7°46	24°58	23°23	0°34	6°R32	7°47	25°51	25°34	S 11
S 12	3 54 9	27°30'03	10♍41	7°32	14°20	11°42	13°58	7°50	24°57	23°22	0°37	6°31	7°44	25°58	25°31	S 12
M13	3 58 6	28°30'56	23°46	8°19	15°35	12°28	14° 5	7°54	24°56	23°21	0°39	6°28	7°41	26° 5	25°28	M13
T 14	4 2 2	29°31'50	6♎35	9°12	16°51	13°15	14°12	7°58	24°56	23°20	0°41	6°24	7°38	26°11	25°24	T 14
W15	4 5 59	0♐32'46	19°10	10°11	18° 6	14° 1	14°19	8° 2	24°55	23°20	0°44	6°18	7°34	26°18	25°21	W15
T 16	4 9 55	1°33'43	1♏33	11°14	19°22	14°48	14°26	8° 6	24°55	23°19	0°46	6°11	7°31	26°25	25°17	T 16
F 17	4 13 52	2°34'41	13°46	12°20	20°37	15°34	14°33	8°10	24°54	23°18	0°48	6° 5	7°28	26°31	25°14	F 17
S 18	4 17 49	3°35'40	25°51	13°31	21°53	16°21	14°39	8°15	24°54	23°17	0°51	5°59	7°25	26°38	25°10	S 18
S 19	4 21 45	4°36'41	7♐48	14°44	23° 8	17° 8	14°46	8°19	24°53	23°16	0°53	5°55	7°22	26°44	25° 7	S 19
M20	4 25 42	5°37'42	19°39	15°59	24°24	17°54	14°52	8°24	24°53	23°15	0°55	5°52	7°18	26°51	25° 3	M20
T 21	4 29 38	6°38'44	1♑26	17°17	25°39	18°41	14°58	8°28	24°52	23°14	0°58	5°D50	7°15	26°58	25° 0	T 21
W22	4 33 35	7°39'47	13°12	18°36	26°55	19°28	15° 4	8°33	24°52	23°13	1° 0	5°50	7°12	27° 4	24°56	W22
T 23	4 37 31	8°40'51	25° 0	19°58	28°10	20°15	15°10	8°38	24°52	23°12	1° 2	5°52	7° 9	27°11	24°52	T 23
F 24	4 41 28	9°41'55	6♒53	21°20	29°26	21° 1	15°15	8°42	24°52	23°11	1° 5	5°53	7° 6	27°18	24°48	F 24
S 25	4 45 24	10°43'00	18°56	22°44	0♐41	21°48	15°21	8°47	24°52	23° 9	1° 7	5°55	7° 3	27°24	24°45	S 25
S 26	4 49 21	11°44'05	1♓13	24° 9	1°57	22°35	15°26	8°52	24°D52	23° 8	1° 9	5°57	6°59	27°31	24°41	S 26
M27	4 53 18	12°45'10	13°49	25°35	3°12	23°22	15°31	8°57	24°52	23° 7	1°12	5°R57	6°56	27°38	24°37	M27
T 28	4 57 14	13°46'16	26°48	27° 1	4°28	24° 9	15°36	9° 2	24°52	23° 6	1°14	5°56	6°53	27°44	24°33	T 28
W29	5 1 11	14°47'22	10♈14	28°29	5°43	24°56	15°41	9° 7	24°52	23° 5	1°16	5°55	6°50	27°51	24°29	W29
T 30	5 5 7	15♐48'29	24♈ 8	29♏57	6♐59	25♑43	15♍46	9♒13	24♓52	23♋ 3	1♐18	5♋52	6♋47	27♐58	24♊25	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s48	3s51	5s 6	13s20	1n15	10s27	1n20	24s52	1s22	7n54	1n 6	19s35	1s 5	2s38	0s46	21n 6	0s23	9s41	10n49	23n21	23n16	22s13	17n32	5s57
T 2	17 5	1n42	5 4	12 45	1 32	10 55	1 18	24 50	1 22	7 51	1 6	19 35	1 5	2 39	0 46	21 6	0 23	9 42	10 49	23 21	23 17	22 14	17 31	5 57
F 3	17 22	7 20	4 42	12 15	1 46	11 22	1 17	24 49	1 22	7 48	1 6	19 34	1 5	2 39	0 46	21 7	0 23	9 42	10 49	23 22	23 17	22 16	17 31	5 58
S 4	17 39	12 41	4 1	11 50	1 59	11 49	1 15	24 47	1 22	7 45	1 6	19 33	1 5	2 40	0 46	21 7	0 23	9 43	10 48	23 22	23 17	22 17	17 30	5 58
S 5	17 55	17 21	3 2	11 31	2 9	12 16	1 14	24 45	1 22	7 42	1 6	19 32	1 5	2 40	0 46	21 7	0 23	9 44	10 48	23 22	23 17	22 18	17 30	5 59
M 6	18 11	20 54	1 51	11 17	2 17	12 42	1 12	24 42	1 21	7 39	1 7	19 31	1 5	2 40	0 45	21 7	0 23	9 44	10 48	23 22	23 17	22 19	17 29	5 59
T 7	18 27	22 59	0 33	11 10	2 24	13 8	1 11	24 39	1 21	7 36	1 7	19 30	1 5	2 41	0 45	21 7	0 23	9 45	10 48	23 23	23 18	22 20	17 29	5 59
W 8	18 43	23 27	0n47	11 7	2 28	13 34	1 9	24 36	1 21	7 34	1 7	19 29	1 5	2 41	0 45	21 7	0 23	9 45	10 48	23 23	23 18	22 21	17 28	6 0
T 9	18 58	22 19	2 2	11 9	2 31	13 59	1 7	24 33	1 21	7 31	1 7	19 28	1 5	2 42	0 45	21 7	0 23	9 46	10 48	23 23	23 18	22 22	17 28	6 0
F 10	19 12	19 49	3 8	11 16	2 33	14 24	1 5	24 29	1 21	7 28	1 8	19 28	1 5	2 42	0 45	21 7	0 23	9 47	10 48	23 22	23 18	22 23	17 27	6 1
S 11	19 27	16 14	4 1	11 27	2 33	14 49	1 4	24 26	1 21	7 25	1 8	19 27	1 5	2 42	0 45	21 7	0 23	9 47	10 48	23 22	23 18	22 24	17 27	6 1
S 12	19 41	11 54	4 40	11 41	2 32	15 13	1 2	24 21	1 21	7 23	1 8	19 25	1 5	2 42	0 45	21 8	0 23	9 48	10 47	23 22	23 19	22 25	17 26	6 1
M13	19 55	7 8	5 4	11 58	2 30	15 37	1 0	24 17	1 21	7 20	1 8	19 24	1 5	2 43	0 45	21 8	0 23	9 48	10 47	23 23	23 19	22 26	17 26	6 2
T 14	20 8	2 8	5 11	12 18	2 27	16 1	0 58	24 12	1 20	7 18	1 9	19 23	1 5	2 43	0 45	21 8	0 23	9 49	10 47	23 23	23 19	22 27	17 26	6 2
W15	20 21	2s51	5 3	12 40	2 23	16 24	0 56	24 7	1 20	7 15	1 9	19 22	1 5	2 43	0 45	21 8	0 23	9 49	10 47	23 23	23 19	22 29	17 25	6 2
T 16	20 33	7 40	4 41	13 4	2 18	16 46	0 54	24 2	1 20	7 13	1 9	19 21	1 5	2 43	0 45	21 8	0 23	9 50	10 47	23 23	23 19	22 30	17 25	6 3
F 17	20 46	12 6	4 7	13 29	2 13	17 9	0 52	23 57	1 20	7 10	1 9	19 20	1 5	2 43	0 45	21 8	0 23	9 50	10 47	23 24	23 19	22 31	17 24	6 3
S 18	20 57	16 2	3 22	13 55	2 8	17 30	0 50	23 51	1 20	7 8	1 10	19 19	1 5	2 44	0 45	21 8	0 23	9 51	10 47	23 24	23 20	22 32	17 24	6 3
S 19	21 9	19 16	2 28	14 23	2 2	17 52	0 48	23 45	1 19	7 6	1 10	19 18	1 5	2 44	0 45	21 9	0 23	9 51	10 47	23 24	23 20	22 33	17 23	6 4
M20	21 20	21 40	1 28	14 51	1 56	18 13	0 46	23 38	1 19	7 4	1 10	19 17	1 4	2 44	0 45	21 9	0 23	9 52	10 47	23 24	23 20	22 34	17 23	6 4
T 21	21 30	23 7	0 24	15 19	1 49	18 33	0 43	23 32	1 19	7 1	1 10	19 15	1 4	2 44	0 45	21 9	0 23	9 52	10 47	23 24	23 20	22 35	17 23	6 4
W22	21 41	23 33	0s40	15 48	1 42	18 53	0 41	23 25	1 19	6 59	1 11	19 14	1 4	2 44	0 45	21 9	0 23	9 53	10 47	23 24	23 20	22 36	17 22	6 4
T 23	21 50	22 55	1 44	16 16	1 35	19 12	0 39	23 18	1 18	6 57	1 11	19 13	1 4	2 44	0 45	21 9	0 23	9 53	10 47	23 24	23 20	22 37	17 22	6 5
F 24	22 0	21 15	2 43	16 45	1 28	19 31	0 37	23 10	1 18	6 55	1 11	19 11	1 4	2 44	0 45	21 10	0 23	9 54	10 47	23 24	23 21	22 38	17 21	6 5
S 25	22 9	18 37	3 36	17 14	1 21	19 49	0 34	23 3	1 18	6 54	1 11	19 10	1 4	2 44	0 45	21 10	0 23	9 54	10 47	23 24	23 21	22 39	17 21	6 5
S 26	22 17	15 7	4 20	17 42	1 13	20 7	0 32	22 55	1 18	6 52	1 12	19 9	1 4	2 44	0 45	21 10	0 23	9 55	10 47	23 24	23 21	22 40	17 21	6 5
M27	22 25	10 53	4 53	18 10	1 6	20 24	0 30	22 47	1 17	6 50	1 12	19 8	1 4	2 44	0 45	21 10	0 23	9 55	10 47	23 24	23 21	22 41	17 20	6 6
T 28	22 33	6 2	5 12	18 37	0 59	20 40	0 27	22 38	1 17	6 48	1 12	19 6	1 4	2 44	0 45	21 10	0 23	9 56	10 47	23 24	23 21	22 42	17 20	6 6
W29	22 40	0 46	5 15	19 4	0 51	20 56	0 25	22 29	1 17	6 47	1 12	19 5	1 4	2 44	0 45	21 11	0 23	9 56	10 47	23 24	23 21	22 43	17 19	6 6
T 30	22s47	4n45	5s 0	19s31	0n44	21s11	0n23	22s20	1s17	6n45	1n13	19s 3	1s 4	2s44	0s45	21n11	0s23	9s57	10n47	23n24	23n22	22s44	17n19	6s 6

Julian Day Number = 2180116.5, Delta T = 11m34s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'36, Lahiri = 13°29'36 Julian Calendar 1 Nov. 1256 == Greg. Calendar 8 Nov. 1256

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ASTRODIENST EPHEMERIS for the year 1256
geocentric

DECEMBER 1256 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 9 4	16♐49'36	8♉30	1♐25	8♐14	26♑29	15♍50	9♒18	24♓52	23°R 2	1♐21	5°R50	6♋44	28♐ 4	24°R22	F 1
S 2	5 13 0	17°50'43	23°16	2°54	9°30	27°16	15°54	9°23	24°52	23♋ 1	1°23	5♋47	6°40	28°11	24♊18	S 2
S 3	5 16 57	18°51'50	8♊21	4°23	10°45	28° 3	15°58	9°29	24°53	22°59	1°25	5°45	6°37	28°18	24°14	S 3
M 4	5 20 54	19°52'58	23°35	5°53	12° 1	28°50	16° 2	9°34	24°53	22°58	1°28	5°44	6°34	28°24	24°10	M 4
T 5	5 24 50	20°54'07	8♋48	7°23	13°16	29°37	16° 6	9°40	24°54	22°57	1°30	5°D44	6°31	28°31	24° 6	T 5
W 6	5 28 47	21°55'16	23°51	8°54	14°32	0♒24	16°10	9°45	24°54	22°55	1°32	5°44	6°28	28°37	24° 2	W 6
T 7	5 32 43	22°56'25	8♌36	10°25	15°47	1°11	16°13	9°51	24°55	22°54	1°34	5°45	6°24	28°44	23°58	T 7
F 8	5 36 40	23°57'35	22°57	11°56	17° 3	1°58	16°16	9°57	24°55	22°53	1°36	5°46	6°21	28°51	23°54	F 8
S 9	5 40 36	24°58'45	6♍52	13°28	18°18	2°45	16°19	10° 3	24°56	22°51	1°39	5°47	6°18	28°57	23°50	S 9
S 10	5 44 33	25°59'55	20°22	14°59	19°34	3°33	16°22	10° 8	24°56	22°50	1°41	5°R48	6°15	29° 4	23°46	S 10
M11	5 48 29	27° 1'06	3♎27	16°32	20°49	4°20	16°25	10°14	24°57	22°48	1°43	5°48	6°12	29°11	23°42	M11
T 12	5 52 26	28° 2'18	16°11	18° 4	22° 5	5° 7	16°27	10°20	24°58	22°47	1°45	5°47	6° 9	29°17	23°38	T 12
W13	5 56 23	29° 3'30	28°38	19°37	23°20	5°54	16°30	10°26	24°59	22°45	1°47	5°46	6° 5	29°24	23°34	W13
T 14	6 0 19	0♏ 4'42	10♏50	21°10	24°36	6°41	16°32	10°32	25° 0	22°44	1°49	5°46	6° 2	29°31	23°30	T 14
F 15	6 4 16	1° 5'54	22°52	22°43	25°51	7°28	16°34	10°39	25° 1	22°42	1°51	5°45	5°59	29°37	23°26	F 15
S 16	6 8 12	2° 7'07	4♐46	24°17	27° 7	8°15	16°35	10°45	25° 2	22°41	1°54	5°44	5°56	29°44	23°22	S 16
S 17	6 12 9	3° 8'19	16°36	25°51	28°22	9° 2	16°37	10°51	25° 3	22°39	1°56	5°44	5°53	29°51	23°18	S 17
M18	6 16 5	4° 9'32	28°23	27°26	29°38	9°49	16°38	10°57	25° 4	22°37	1°58	5°44	5°50	29°57	23°14	M18
T 19	6 20 2	5°10'44	10♏11	29° 1	0♏53	10°36	16°40	11° 4	25° 5	22°36	2° 0	5°D44	5°46	0♏ 4	23°11	T 19
W20	6 23 58	6°11'57	22° 0	0♏36	2° 9	11°24	16°41	11°10	25° 6	22°34	2° 2	5°R44	5°43	0°11	23° 7	W20
T 21	6 27 55	7°13'08	3♒54	2°12	3°24	12°11	16°41	11°16	25° 7	22°33	2° 4	5°44	5°40	0°17	23° 3	T 21
F 22	6 31 52	8°14'20	15°54	3°48	4°40	12°58	16°42	11°23	25° 8	22°31	2° 6	5°43	5°37	0°24	22°59	F 22
S 23	6 35 48	9°15'31	28° 3	5°24	5°55	13°45	16°42	11°29	25°10	22°29	2° 8	5°43	5°34	0°30	22°55	S 23
S 24	6 39 45	10°16'41	10♓25	7° 1	7°11	14°32	16°43	11°36	25°11	22°28	2°10	5°43	5°30	0°37	22°52	S 24
M25	6 43 41	11°17'51	23° 1	8°39	8°26	15°19	16°R43	11°42	25°13	22°26	2°12	5°42	5°27	0°44	22°48	M25
T 26	6 47 38	12°19'00	5♈57	10°17	9°42	16° 6	16°42	11°49	25°14	22°24	2°14	5°42	5°24	0°50	22°44	T 26
W27	6 51 34	13°20'09	19°14	11°55	10°57	16°53	16°42	11°56	25°16	22°23	2°15	5°D42	5°21	0°57	22°40	W27
T 28	6 55 31	14°21'16	2♉54	13°34	12°13	17°40	16°42	12° 2	25°17	22°21	2°17	5°42	5°18	1° 4	22°37	T 28
F 29	6 59 27	15°22'23	17° 0	15°13	13°28	18°28	16°41	12° 9	25°19	22°19	2°19	5°43	5°15	1°10	22°33	F 29
S 30	7 3 24	16°23'29	1♊30	16°53	14°43	19°15	16°40	12°16	25°20	22°18	2°21	5°44	5°11	1°17	22°30	S 30
S 31	7 7 21	17♑24'34	16♊21	18♑34	15♑59	20♒ 2	16♍39	12♒23	25♓22	22♋16	2♐23	5♋45	5♋ 8	1♑24	22♊26	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s53	10n11	4s26	19s56	0n36	21s26	0n20	22s11	1s16	6n44	1n13	19s 2	1s 4	2s44	0s45	21n11	0s23	9s57	10n47	23n24	23n22	22s45	17n19	6s 6	F 1
S 2	22 59	15 13	3 34	20 21	0 29	21 40	0 18	22 2	1 16	6 42	1 13	19 0	1 4	2 43	0 44	21 11	0 23	9 58	10 47	23 24	23 22	22 46	17 18	6 7	S 2
S 3	23 4	19 23	2 26	20 45	0 21	21 53	0 16	21 52	1 16	6 41	1 14	18 59	1 4	2 43	0 44	21 11	0 23	9 58	10 47	23 25	23 22	22 47	17 18	6 7	S 3
M 4	23 9	22 16	1 7	21 9	0 14	22 6	0 13	21 42	1 15	6 40	1 14	18 58	1 4	2 43	0 44	21 12	0 23	9 58	10 47	23 25	23 22	22 48	17 18	6 7	M 4
T 5	23 13	23 32	0n17	21 31	0 7	22 18	0 11	21 32	1 15	6 38	1 14	18 56	1 4	2 43	0 44	21 12	0 23	9 59	10 47	23 25	23 22	22 49	17 18	6 7	T 5
W 6	23 17	23 3	1 39	21 53	0s 1	22 30	0 8	21 22	1 15	6 37	1 14	18 55	1 4	2 43	0 44	21 12	0 23	9 59	10 47	23 25	23 23	22 49	17 17	6 7	W 6
T 7	23 21	20 58	2 53	22 13	0 8	22 41	0 6	21 11	1 14	6 36	1 15	18 53	1 4	2 42	0 44	21 12	0 23	9 59	10 47	23 25	23 23	22 50	17 17	6 7	T 7
F 8	23 24	17 35	3 53	22 33	0 15	22 51	0 4	21 0	1 14	6 35	1 15	18 51	1 4	2 42	0 44	21 13	0 23	10 0	10 47	23 25	23 23	22 51	17 17	6 7	F 8
S 9	23 26	13 19	4 38	22 52	0 21	23 0	0 1	20 49	1 14	6 34	1 15	18 50	1 4	2 42	0 44	21 13	0 23	10 0	10 47	23 24	23 23	22 52	17 16	6 7	S 9
S 10	23 28	8 31	5 6	23 9	0 28	23 9	0s 1	20 38	1 13	6 33	1 15	18 48	1 4	2 42	0 44	21 13	0 23	10 1	10 47	23 24	23 23	22 53	17 16	6 8	S 10
M11	23 30	3 28	5 17	23 25	0 35	23 17	0 4	20 26	1 13	6 33	1 16	18 47	1 4	2 41	0 44	21 13	0 23	10 1	10 47	23 24	23 23	22 54	17 16	6 8	M11
T 12	23 31	1s35	5 12	23 41	0 41	23 24	0 6	20 14	1 13	6 32	1 16	18 45	1 4	2 41	0 44	21 14	0 23	10 1	10 47	23 24	23 24	22 55	17 16	6 8	T 12
W13	23 32	6 28	4 53	23 55	0 47	23 31	0 8	20 2	1 12	6 31	1 16	18 43	1 4	2 41	0 44	21 14	0 23	10 2	10 47	23 25	23 24	22 56	17 15	6 8	W13
T 14	23 32	11 1	4 20	24 8	0 53	23 36	0 11	19 50	1 12	6 31	1 17	18 42	1 4	2 40	0 44	21 14	0 23	10 2	10 47	23 25	23 24	22 57	17 15	6 8	T 14
F 15	23 32	15 4	3 37	24 19	0 59	23 41	0 13	19 38	1 11	6 30	1 17	18 40	1 4	2 40	0 44	21 14	0 23	10 2	10 47	23 25	23 24	22 58	17 15	6 8	F 15
S 16	23 31	18 29	2 44	24 30	1 5	23 46	0 16	19 25	1 11	6 30	1 17	18 38	1 4	2 39	0 44	21 15	0 23	10 3	10 47	23 25	23 24	22 59	17 15	6 8	S 16
S 17	23 30	21 8	1 44	24 39	1 11	23 49	0 18	19 12	1 11	6 30	1 17	18 37	1 4	2 39	0 44	21 15	0 23	10 3	10 47	23 25	23 24	23 0	17 15	6 8	S 17
M18	23 28	22 51	0 41	24 46	1 16	23 52	0 20	18 59	1 10	6 29	1 18	18 35	1 4	2 38	0 44	21 15	0 23	10 3	10 48	23 25	23 24	23 0	17 14	6 8	M18
T 19	23 26	23 33	0s25	24 53	1 21	23 55	0 23	18 46	1 10	6 29	1 18	18 33	1 4	2 38	0 44	21 15	0 23	10 3	10 48	23 25	23 25	23 1	17 14	6 8	T 19
W20	23 23	23 12	1 29	24 58	1 26	23 56	0 25	18 32	1 9	6 29	1 18	18 31	1 4	2 37	0 44	21 16	0 23	10 4	10 48	23 25	23 25	23 2	17 14	6 8	W20
T 21	23 20	21 48	2 30	25 2	1 31	23 57	0 27	18 19	1 9	6 29	1 19	18 30	1 4	2 37	0 44	21 16	0 23	10 4	10 48	23 25	23 25	23 3	17 14	6 8	T 21
F 22	23 17	19 24	3 25	25 4	1 35	23 57	0 29	18 5	1 8	6 29	1 19	18 28	1 4	2 36	0 44	21 16	0 23	10 4	10 48	23 25	23 25	23 4	17 14	6 8	F 22
S 23	23 13	16 8	4 12	25 4	1 39	23 56	0 32	17 51	1 8	6 29	1 19	18 26	1 4	2 36	0 44	21 17	0 23	10 4	10 48	23 25	23 25	23 5	17 14	6 8	S 23
S 24	23 8	12 7	4 48	25 4	1 43	23 54	0 34	17 37	1 8	6 29	1 20	18 24	1 4	2 35	0 44	21 17	0 23	10 5	10 48	23 25	23 25	23 6	17 13	6 8	S 24
M25	23 3	7 31	5 10	25 2	1 47	23 52	0 36	17 22	1 7	6 29	1 20	18 22	1 4	2 35	0 44	21 17	0 23	10 5	10 48	23 25	23 25	23 7	17 13	6 8	M25
T 26	22 58	2 30	5 18	24 58	1 50	23 49	0 38	17 8	1 7	6 30	1 20	18 21	1 4	2 34	0 44	21 17	0 23	10 5	10 49	23 25	23 25	23 7	17 13	6 7	T 26
W27	22 52	2n47	5 9	24 52	1 53	23 45	0 40	16 53	1 6	6 30	1 20	18 19	1 4	2 33	0 43	21 18	0 23	10 5	10 49	23 25	23 26	23 8	17 13	6 7	W27
T 28	22 46	8 6	4 43	24 46	1 56	23 41	0 42	16 38	1 6	6 31	1 21	18 17	1 4	2 33	0 43	21 18	0 23	10 6	10 49	23 25	23 26	23 9	17 13	6 7	T 28
F 29	22 39	13 10	3 59	24 37	1 58	23 35	0 44	16 23	1 5	6 31	1 21	18 15	1 4	2 32	0 43	21 18	0 23	10 6	10 49	23 25	23 26	23 10	17 13	6 7	F 29
S 30	22 32	17 37	2 59	24 27	2 0	23 29	0 46	16 8	1 5	6 32	1 21	18 13	1 4	2 31	0 43	21 18	0 23	10 6	10 49	23 25	23 26	23 11	17 13	6 7	S 30
S 31	22s24	21n 5	1s46	24s15	2s 2	23s23	0s48	15s53	1s 4	6n33	1n22	18s11	1s 4	2s31	0s43	21n19	0s23	10s 6	10n49	23n25	23n26	23s11	17n13	6s 7	S 31

Julian Day Number = 2180146.5, Delta T = 11m34s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'40, Lahiri = 13°29'40 Julian Calendar 1 Dec. 1256 == Greg. Calendar 8 Dec. 1256

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

JANUARY 1257 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 11 17	18♑25'38	1♋26	20♑15	17♑14	20♒49	16°R37	12♒30	25♓24	22°R14	2♐25	5°R45	5♋ 5	1♑30	22°R23	M 1
T 2	7 15 14	19°26'42	16°37	21°56	18°30	21°36	16♍36	12°36	25°26	22♋13	2°26	5♋45	5° 2	1°37	22♊19	T 2
W 3	7 19 10	20°27'45	1♌45	23°38	19°45	22°23	16°34	12°43	25°27	22°11	2°28	5°44	4°59	1°44	22°16	W 3
T 4	7 23 7	21°28'47	16°41	25°21	21° 0	23°10	16°32	12°50	25°29	22° 9	2°30	5°42	4°56	1°50	22°13	T 4
F 5	7 27 3	22°29'48	1♍16	27° 4	22°16	23°57	16°30	12°57	25°31	22° 8	2°31	5°40	4°52	1°57	22° 9	F 5
S 6	7 31 0	23°30'49	15°25	28°48	23°31	24°44	16°28	13° 4	25°33	22° 6	2°33	5°38	4°49	2° 4	22° 6	S 6
S 7	7 34 57	24°31'49	29° 6	0♒32	24°47	25°31	16°25	13°11	25°35	22° 4	2°35	5°36	4°46	2°10	22° 3	S 7
M 8	7 38 53	25°32'49	12♎20	2°16	26° 2	26°18	16°23	13°18	25°37	22° 3	2°36	5°34	4°43	2°17	22° 0	M 8
T 9	7 42 50	26°33'47	25° 8	4° 1	27°17	27° 5	16°20	13°25	25°39	22° 1	2°38	5°D33	4°40	2°23	21°57	T 9
W10	7 46 46	27°34'45	7♏35	5°46	28°33	27°52	16°17	13°32	25°42	21°59	2°40	5°34	4°36	2°30	21°54	W10
T 11	7 50 43	28°35'43	19°44	7°31	29°48	28°38	16°14	13°40	25°44	21°57	2°41	5°35	4°33	2°37	21°51	T 11
F 12	7 54 39	29°36'40	1♐42	9°17	1♒ 3	29°25	16°10	13°47	25°46	21°56	2°43	5°37	4°30	2°43	21°48	F 12
S 13	7 58 36	0♒37'35	13°31	11° 2	2°19	0♓12	16° 7	13°54	25°48	21°54	2°44	5°39	4°27	2°50	21°45	S 13
S 14	8 2 32	1°38'31	25°17	12°47	3°34	0°59	16° 3	14° 1	25°50	21°52	2°45	5°40	4°24	2°57	21°43	S 14
M15	8 6 29	2°39'25	7♑ 4	14°32	4°49	1°46	15°59	14° 8	25°53	21°51	2°47	5°R40	4°21	3° 3	21°40	M15
T 16	8 10 26	3°40'18	18°54	16°16	6° 4	2°33	15°55	14°15	25°55	21°49	2°48	5°40	4°17	3°10	21°37	T 16
W17	8 14 22	4°41'09	0♒49	17°59	7°20	3°20	15°51	14°23	25°58	21°47	2°50	5°37	4°14	3°17	21°35	W17
T 18	8 18 19	5°42'00	12°53	19°42	8°35	4° 6	15°46	14°30	26° 0	21°46	2°51	5°33	4°11	3°23	21°32	T 18
F 19	8 22 15	6°42'49	25° 6	21°22	9°50	4°53	15°42	14°37	26° 2	21°44	2°52	5°28	4° 8	3°30	21°30	F 19
S 20	8 26 12	7°43'37	7♓29	23° 1	11° 5	5°40	15°37	14°44	26° 5	21°43	2°54	5°22	4° 5	3°37	21°28	S 20
S 21	8 30 8	8°44'24	20° 4	24°37	12°21	6°26	15°32	14°51	26° 8	21°41	2°55	5°16	4° 2	3°43	21°25	S 21
M22	8 34 5	9°45'08	2♈52	26°11	13°36	7°13	15°27	14°59	26°10	21°39	2°56	5°11	3°58	3°50	21°23	M22
T 23	8 38 1	10°45'52	15°53	27°41	14°51	8° 0	15°22	15° 6	26°13	21°38	2°57	5° 7	3°55	3°56	21°21	T 23
W24	8 41 58	11°46'33	29°11	29° 7	16° 6	8°46	15°16	15°13	26°15	21°36	2°58	5° 4	3°52	4° 3	21°19	W24
T 25	8 45 54	12°47'13	12♉45	0♓28	17°21	9°33	15°11	15°21	26°18	21°35	2°59	5°D 4	3°49	4°10	21°17	T 25
F 26	8 49 51	13°47'51	26°38	1°44	18°37	10°20	15° 5	15°28	26°21	21°33	3° 1	5° 4	3°46	4°16	21°15	F 26
S 27	8 53 48	14°48'28	10♊48	2°53	19°52	11° 6	15° 0	15°35	26°23	21°32	3° 2	5° 6	3°42	4°23	21°14	S 27
S 28	8 57 44	15°49'02	25°17	3°56	21° 7	11°53	14°54	15°42	26°26	21°30	3° 3	5° 7	3°39	4°30	21°12	S 28
M29	9 1 41	16°49'35	9♋59	4°51	22°22	12°39	14°48	15°50	26°29	21°29	3° 4	5°R 7	3°36	4°36	21°10	M29
T 30	9 5 37	17°50'06	24°51	5°38	23°37	13°25	14°41	15°57	26°32	21°27	3° 5	5° 6	3°33	4°43	21° 9	T 30
W31	9 9 34	18♒50'36	9♌45	6♓17	24♒52	14♓12	14♍35	16♒ 4	26♓35	21♋26	3♐ 5	5♋ 2	3♋30	4♑50	21♊ 7	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s16	23n 8	0s24	24s 2	2s 3	23s15	0s50	15s37	1s 4	6n33	1n22	18s 9	1s 4	2s30	0s43	21n19	0s23	10s 6	10n49	23n25	23n26	23s12	17n13	6s 7
T 2	22 7	23 29	1n 0	23 47	2 4	23 7	0 52	15 22	1 3	6 34	1 22	18 7	1 4	2 29	0 43	21 19	0 23	10 6	10 50	23 25	23 26	23 13	17 13	6 7
W 3	21 58	22 7	2 19	23 30	2 4	22 58	0 54	15 6	1 3	6 35	1 22	18 5	1 4	2 28	0 43	21 20	0 23	10 7	10 50	23 25	23 26	23 14	17 13	6 6
T 4	21 49	19 12	3 28	23 12	2 5	22 49	0 56	14 50	1 2	6 36	1 23	18 3	1 5	2 28	0 43	21 20	0 23	10 7	10 50	23 25	23 27	23 15	17 13	6 6
F 5	21 39	15 8	4 21	22 52	2 4	22 38	0 58	14 34	1 2	6 37	1 23	18 1	1 5	2 27	0 43	21 20	0 23	10 7	10 50	23 25	23 27	23 15	17 13	6 6
S 6	21 29	10 20	4 57	22 30	2 3	22 27	1 0	14 18	1 1	6 38	1 23	17 59	1 5	2 26	0 43	21 20	0 23	10 7	10 50	23 25	23 27	23 16	17 13	6 6
S 7	21 18	5 9	5 14	22 6	2 2	22 16	1 1	14 1	1 1	6 40	1 24	17 58	1 5	2 25	0 43	21 21	0 23	10 7	10 51	23 25	23 27	23 17	17 13	6 6
M 8	21 7	0s 4	5 14	21 41	2 0	22 3	1 3	13 45	1 0	6 41	1 24	17 56	1 5	2 24	0 43	21 21	0 23	10 7	10 51	23 25	23 27	23 18	17 13	6 6
T 9	20 56	5 8	4 58	21 14	1 58	21 50	1 5	13 28	1 0	6 42	1 24	17 54	1 5	2 23	0 43	21 21	0 23	10 7	10 51	23 25	23 27	23 19	17 13	6 5
W10	20 44	9 52	4 28	20 45	1 55	21 37	1 6	13 11	0 59	6 44	1 24	17 52	1 5	2 23	0 43	21 22	0 23	10 7	10 51	23 25	23 27	23 19	17 13	6 5
T 11	20 31	14 6	3 47	20 15	1 51	21 23	1 8	12 54	0 59	6 45	1 25	17 50	1 5	2 22	0 43	21 22	0 23	10 7	10 51	23 25	23 27	23 20	17 13	6 5
F 12	20 19	17 42	2 57	19 43	1 47	21 8	1 9	12 38	0 58	6 47	1 25	17 47	1 5	2 21	0 43	21 22	0 23	10 7	10 52	23 25	23 28	23 21	17 13	6 5
S 13	20 6	20 33	1 59	19 10	1 42	20 52	1 10	12 20	0 57	6 48	1 25	17 45	1 5	2 20	0 43	21 22	0 23	10 7	10 52	23 25	23 28	23 22	17 13	6 4
S 14	19 52	22 30	0 57	18 35	1 37	20 36	1 12	12 3	0 57	6 50	1 25	17 43	1 5	2 19	0 43	21 23	0 23	10 8	10 52	23 25	23 28	23 22	17 13	6 4
M15	19 39	23 28	0s 8	17 59	1 31	20 19	1 13	11 46	0 56	6 52	1 26	17 41	1 5	2 18	0 43	21 23	0 23	10 8	10 52	23 25	23 28	23 23	17 13	6 4
T 16	19 25	23 23	1 12	17 21	1 24	20 2	1 14	11 29	0 56	6 54	1 26	17 39	1 5	2 17	0 43	21 23	0 23	10 8	10 52	23 25	23 28	23 24	17 13	6 4
W17	19 10	22 14	2 14	16 42	1 16	19 44	1 16	11 11	0 55	6 56	1 26	17 37	1 5	2 16	0 43	21 24	0 23	10 8	10 53	23 25	23 28	23 24	17 13	6 3
T 18	18 55	20 3	3 10	16 2	1 8	19 25	1 17	10 53	0 55	6 57	1 26	17 35	1 5	2 15	0 43	21 24	0 23	10 8	10 53	23 25	23 28	23 25	17 14	6 3
F 19	18 40	16 57	3 58	15 22	0 59	19 6	1 18	10 36	0 54	6 59	1 27	17 33	1 5	2 14	0 43	21 24	0 23	10 8	10 53	23 25	23 28	23 26	17 14	6 3
S 20	18 25	13 3	4 36	14 40	0 49	18 47	1 19	10 18	0 54	7 2	1 27	17 31	1 5	2 13	0 43	21 24	0 23	10 8	10 53	23 26	23 28	23 27	17 14	6 2
S 21	18 9	8 33	5 1	13 58	0 38	18 27	1 20	10 0	0 53	7 4	1 27	17 29	1 5	2 12	0 43	21 25	0 22	10 8	10 54	23 26	23 28	23 27	17 14	6 2
M22	17 53	3 37	5 11	13 15	0 27	18 6	1 21	9 42	0 52	7 6	1 27	17 27	1 5	2 11	0 43	21 25	0 22	10 8	10 54	23 26	23 29	23 28	17 14	6 2
T 23	17 36	1n34	5 6	12 33	0 14	17 45	1 22	9 24	0 52	7 8	1 28	17 25	1 5	2 10	0 43	21 25	0 22	10 8	10 54	23 26	23 29	23 29	17 14	6 2
W24	17 20	6 47	4 45	11 51	0 1	17 23	1 22	9 6	0 51	7 10	1 28	17 23	1 5	2 9	0 43	21 25	0 22	10 8	10 54	23 26	23 29	23 29	17 15	6 1
T 25	17 2	11 48	4 7	11 10	0n12	17 1	1 23	8 48	0 51	7 13	1 28	17 21	1 5	2 8	0 43	21 26	0 22	10 7	10 55	23 26	23 29	23 30	17 15	6 1
F 26	16 45	16 20	3 14	10 29	0 27	16 38	1 24	8 30	0 50	7 15	1 28	17 18	1 6	2 6	0 42	21 26	0 22	10 7	10 55	23 26	23 29	23 31	17 15	6 1
S 27	16 27	20 2	2 8	9 51	0 41	16 15	1 24	8 12	0 49	7 18	1 28	17 16	1 6	2 5	0 42	21 26	0 22	10 7	10 55	23 26	23 29	23 31	17 15	6 0
S 28	16 10	22 34	0 53	9 14	0 57	15 51	1 25	7 53	0 49	7 20	1 29	17 14	1 6	2 4	0 42	21 27	0 22	10 7	10 55	23 26	23 29	23 32	17 15	6 0
M29	15 51	23 36	0n26	8 39	1 12	15 28	1 25	7 35	0 48	7 23	1 29	17 12	1 6	2 3	0 42	21 27	0 22	10 7	10 56	23 26	23 29	23 33	17 16	6 0
T 30	15 33	22 58	1 45	8 7	1 28	15 3	1 26	7 16	0 48	7 25	1 29	17 10	1 6	2 2	0 42	21 27	0 22	10 7	10 56	23 26	23 29	23 33	17 16	5 59
W31	15s14	20n43	2n57	7s38	1n44	14s38	1s26	6s58	0s47	7n28	1n29	17s 8	1s 6	2s 1	0s42	21n27	0s22	10s 7	10n56	23n26	23n29	23s34	17n16	5s59

Julian Day Number = 2180177.5, Delta T = 11m34s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'44, Lahiri = 13°29'44 Julian Calendar 1 Jan. 1257 == Greg. Calendar 8 Jan. 1257

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

FEBRUARY 1257 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 13 30	19♒51'03	24♌33	6♓46	26♒ 7	14♓58	14°R29	16♒11	26♓38	21°R24	3♐ 6	4°R56	3♋27	4♉56	21°R 6	T 1
F 2	9 17 27	20°51'29	9♍ 6	7° 5	27°22	15°45	14♍22	16°19	26°41	21♋23	3° 7	4♋49	3°23	5° 3	21♊ 4	F 2
S 3	9 21 24	21°51'54	23°19	7°R14	28°37	16°31	14°15	16°26	26°43	21°21	3° 8	4°41	3°20	5°10	21° 3	S 3
S 4	9 25 20	22°52'17	7♎ 7	7°14	29°52	17°17	14° 9	16°33	26°46	21°20	3° 9	4°34	3°17	5°16	21° 2	S 4
M 5	9 29 17	23°52'38	20°27	7° 3	1♓ 7	18° 3	14° 2	16°40	26°49	21°18	3°10	4°27	3°14	5°23	21° 1	M 5
T 6	9 33 13	24°52'58	3♏21	6°43	2°22	18°49	13°55	16°48	26°52	21°17	3°10	4°23	3°11	5°30	21° 0	T 6
W 7	9 37 10	25°53'16	15°52	6°13	3°37	19°36	13°48	16°55	26°55	21°16	3°11	4°20	3° 8	5°36	20°59	W 7
T 8	9 41 6	26°53'33	28° 4	5°35	4°52	20°22	13°41	17° 2	26°59	21°14	3°12	4°D20	3° 4	5°43	20°58	T 8
F 9	9 45 3	27°53'49	10♐ 2	4°50	6° 7	21° 8	13°33	17° 9	27° 2	21°13	3°12	4°20	3° 1	5°49	20°58	F 9
S 10	9 48 59	28°54'03	21°51	3°58	7°22	21°54	13°26	17°17	27° 5	21°12	3°13	4°21	2°58	5°56	20°57	S 10
S 11	9 52 56	29°54'15	3♉38	3° 2	8°36	22°40	13°19	17°24	27° 8	21°11	3°13	4°R22	2°55	6° 3	20°56	S 11
M12	9 56 52	0♓54'26	15°25	2° 2	9°51	23°26	13°11	17°31	27°11	21° 9	3°14	4°21	2°52	6° 9	20°56	M12
T 13	10 0 49	1°54'35	27°19	1° 0	11° 6	24°12	13° 4	17°38	27°14	21° 8	3°14	4°18	2°48	6°16	20°56	T 13
W14	10 4 46	2°54'42	9♒22	29♒58	12°21	24°58	12°56	17°45	27°17	21° 7	3°15	4°13	2°45	6°23	20°55	W14
T 15	10 8 42	3°54'48	21°37	28°57	13°36	25°43	12°49	17°52	27°21	21° 6	3°15	4° 5	2°42	6°29	20°55	T 15
F 16	10 12 39	4°54'52	4♓ 5	27°58	14°51	26°29	12°41	17°59	27°24	21° 5	3°16	3°55	2°39	6°36	20°55	F 16
S 17	10 16 35	5°54'53	16°47	27° 2	16° 5	27°15	12°33	18° 6	27°27	21° 4	3°16	3°44	2°36	6°43	20°D55	S 17
S 18	10 20 32	6°54'53	29°42	26°11	17°20	28° 1	12°25	18°13	27°30	21° 3	3°16	3°32	2°33	6°49	20°55	S 18
M19	10 24 28	7°54'51	12♈50	25°25	18°35	28°46	12°18	18°21	27°34	21° 1	3°17	3°22	2°29	6°56	20°55	M19
T 20	10 28 25	8°54'46	26°10	24°45	19°49	29°32	12°10	18°28	27°37	21° 0	3°17	3°13	2°26	7° 3	20°55	T 20
W21	10 32 21	9°54'40	9♉40	24°11	21° 4	0♈18	12° 2	18°34	27°40	20°59	3°17	3° 6	2°23	7° 9	20°56	W21
T 22	10 36 18	10°54'31	23°21	23°43	22°19	1° 3	11°54	18°41	27°43	20°58	3°17	3° 3	2°20	7°16	20°56	T 22
F 23	10 40 15	11°54'20	7♊11	23°22	23°33	1°49	11°47	18°48	27°47	20°57	3°17	3°D 2	2°17	7°22	20°57	F 23
S 24	10 44 11	12°54'07	21°12	23° 7	24°48	2°34	11°39	18°55	27°50	20°57	3°18	3° 2	2°13	7°29	20°57	S 24
S 25	10 48 8	13°53'51	5♋23	22°59	26° 2	3°20	11°31	19° 2	27°53	20°56	3°18	3°R 2	2°10	7°36	20°58	S 25
M26	10 52 4	14°53'33	19°43	22°D57	27°17	4° 5	11°23	19° 9	27°57	20°55	3°18	3° 1	2° 7	7°42	20°59	M26
T 27	10 56 1	15°53'13	4♌ 9	23° 1	28°32	4°50	11°15	19°16	28° 0	20°54	3°R18	2°58	2° 4	7°49	20°59	T 27
W28	10 59 57	16♓52'50	18♌37	23♒11	29♓46	5♈36	11♍ 8	19♒22	28♓ 4	20♋53	3♐18	2♋52	2♋ 1	7♉56	21♊ 0	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s55	17n 5	3n56	7s13	2n 0	14s13	1s26	6s39	0s46	7n31	1n29	17s 6	1s 6	2s 0	0s42	21n28	0s22	10s 7	10n56	23n27	23n29	23s35	17n16	5s58
F 2	14 36	12 29	4 38	6 51	2 15	13 47	1 27	6 21	0 46	7 33	1 30	17 4	1 6	1 58	0 42	21 28	0 22	10 7	10 57	23 27	23 30	23 35	17 17	5 58
S 3	14 17	7 17	5 2	6 34	2 30	13 22	1 27	6 2	0 45	7 36	1 30	17 1	1 6	1 57	0 42	21 28	0 22	10 7	10 57	23 27	23 30	23 36	17 17	5 58
S 4	13 57	1 53	5 8	6 21	2 45	12 55	1 27	5 44	0 45	7 39	1 30	16 59	1 6	1 56	0 42	21 28	0 22	10 7	10 57	23 27	23 30	23 37	17 17	5 57
M 5	13 37	3s27	4 56	6 12	2 58	12 29	1 27	5 25	0 44	7 42	1 30	16 57	1 6	1 55	0 42	21 28	0 22	10 6	10 58	23 28	23 30	23 37	17 18	5 57
T 6	13 17	8 27	4 30	6 9	3 10	12 2	1 27	5 6	0 43	7 44	1 30	16 55	1 6	1 54	0 42	21 29	0 22	10 6	10 58	23 28	23 30	23 38	17 18	5 57
W 7	12 56	12 58	3 51	6 10	3 20	11 34	1 27	4 47	0 43	7 47	1 30	16 53	1 6	1 52	0 42	21 29	0 22	10 6	10 58	23 28	23 30	23 38	17 18	5 56
T 8	12 36	16 50	3 3	6 15	3 29	11 7	1 27	4 29	0 42	7 50	1 31	16 51	1 6	1 51	0 42	21 29	0 22	10 6	10 58	23 28	23 30	23 39	17 19	5 56
F 9	12 15	19 57	2 7	6 25	3 37	10 39	1 27	4 10	0 41	7 53	1 31	16 49	1 7	1 50	0 42	21 29	0 22	10 6	10 59	23 28	23 30	23 40	17 19	5 55
S 10	11 54	22 10	1 7	6 39	3 42	10 11	1 26	3 51	0 41	7 56	1 31	16 47	1 7	1 49	0 42	21 30	0 22	10 6	10 59	23 28	23 30	23 40	17 19	5 55
S 11	11 33	23 25	0 4	6 57	3 45	9 42	1 26	3 32	0 40	7 59	1 31	16 44	1 7	1 47	0 42	21 30	0 22	10 6	10 59	23 28	23 30	23 41	17 20	5 55
M12	11 12	23 37	0s59	7 17	3 45	9 13	1 25	3 13	0 40	8 2	1 31	16 42	1 7	1 46	0 42	21 30	0 22	10 5	11 0	23 28	23 30	23 41	17 20	5 54
T 13	10 50	22 44	2 0	7 40	3 44	8 44	1 25	2 55	0 39	8 5	1 31	16 40	1 7	1 45	0 42	21 30	0 22	10 5	11 0	23 28	23 30	23 42	17 20	5 54
W14	10 29	20 48	2 56	8 5	3 41	8 15	1 24	2 36	0 38	8 8	1 31	16 38	1 7	1 43	0 42	21 30	0 22	10 5	11 0	23 28	23 30	23 42	17 21	5 53
T 15	10 7	17 54	3 45	8 32	3 35	7 46	1 24	2 17	0 38	8 11	1 32	16 36	1 7	1 42	0 42	21 31	0 22	10 5	11 0	23 28	23 30	23 43	17 21	5 53
F 16	9 45	14 8	4 24	8 59	3 28	7 16	1 23	1 58	0 37	8 14	1 32	16 34	1 7	1 41	0 42	21 31	0 22	10 5	11 1	23 29	23 31	23 44	17 22	5 53
S 17	9 23	9 41	4 50	9 26	3 19	6 46	1 22	1 39	0 36	8 17	1 32	16 32	1 7	1 40	0 42	21 31	0 22	10 4	11 1	23 29	23 31	23 44	17 22	5 52
S 18	9 0	4 44	5 3	9 53	3 8	6 16	1 22	1 20	0 36	8 20	1 32	16 30	1 7	1 38	0 42	21 31	0 22	10 4	11 1	23 29	23 31	23 45	17 22	5 52
M19	8 38	0n30	4 59	10 19	2 57	5 46	1 21	1 2	0 35	8 23	1 32	16 28	1 7	1 37	0 42	21 31	0 22	10 4	11 2	23 30	23 31	23 45	17 23	5 51
T 20	8 16	5 48	4 40	10 45	2 44	5 16	1 20	0 43	0 34	8 26	1 32	16 26	1 8	1 36	0 42	21 32	0 22	10 4	11 2	23 30	23 31	23 46	17 23	5 51
W21	7 53	10 54	4 4	11 8	2 31	4 46	1 19	0 24	0 34	8 29	1 32	16 24	1 8	1 34	0 42	21 32	0 22	10 3	11 2	23 30	23 31	23 46	17 24	5 51
T 22	7 30	15 33	3 15	11 31	2 17	4 15	1 18	0 5	0 33	8 33	1 32	16 21	1 8	1 33	0 42	21 32	0 22	10 3	11 2	23 30	23 31	23 47	17 24	5 50
F 23	7 7	19 25	2 13	11 51	2 3	3 44	1 17	0n14	0 32	8 36	1 32	16 19	1 8	1 32	0 42	21 32	0 22	10 3	11 3	23 30	23 31	23 47	17 25	5 50
S 24	6 45	22 12	1 2	12 9	1 49	3 14	1 16	0 32	0 32	8 39	1 32	16 17	1 8	1 30	0 42	21 32	0 22	10 3	11 3	23 30	23 31	23 48	17 25	5 49
S 25	6 22	23 38	0n13	12 26	1 34	2 43	1 14	0 51	0 31	8 42	1 32	16 15	1 8	1 29	0 42	21 32	0 22	10 2	11 3	23 30	23 31	23 48	17 25	5 49
M26	5 58	23 31	1 27	12 40	1 20	2 12	1 13	1 10	0 31	8 45	1 32	16 13	1 8	1 28	0 42	21 33	0 22	10 2	11 3	23 30	23 31	23 49	17 26	5 49
T 27	5 35	21 50	2 37	12 52	1 5	1 41	1 12	1 28	0 30	8 48	1 32	16 11	1 8	1 26	0 42	21 33	0 22	10 2	11 4	23 30	23 31	23 49	17 26	5 48
W28	5s12	18n44	3n37	13s 2	0n51	1s10	1s10	1n47	0s29	8n51	1n32	16s 9	1s 8	1s25	0s42	21n33	0s22	10s 2	11n 4	23n30	23n31	23s50	17n27	5s48

Julian Day Number = 2180208.5, Delta T = 11m34s
Ecliptic obliquity = 23°32'08, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'48, Lahiri = 13°29'49 Julian Calendar 1 Feb. 1257 == Greg. Calendar 8 Feb. 1257

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

MARCH 1257 JC — 00:00 UT

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

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s49	14n30	4n22	13s10	0n38	0s39	1s 9	2n 6	0s29	8n54	1n32	16s 7	1s 9	1s24	0s42	21n33	0s22	10s 1	11n 4	23n30	23n31	23s50	17n27	5s47
F 2	4 25	9 29	4 51	13 16	0 24	0 8	1 7	2 24	0 28	8 57	1 32	16 5	1 9	1 22	0 42	21 33	0 22	10 1	11 5	23 31	23 31	23 51	17 28	5 47
S 3	4 2	4 5	5 1	13 20	0 11	0n23	1 6	2 43	0 27	8 59	1 32	16 3	1 9	1 21	0 42	21 33	0 22	10 1	11 5	23 31	23 31	23 51	17 28	5 46
S 4	3 38	1s25	4 54	13 22	0s 1	0 54	1 4	3 1	0 27	9 2	1 32	16 1	1 9	1 19	0 42	21 33	0 22	10 0	11 5	23 31	23 31	23 52	17 29	5 46
M 5	3 15	6 42	4 30	13 22	0 13	1 25	1 2	3 20	0 26	9 5	1 32	15 59	1 9	1 18	0 42	21 34	0 22	10 0	11 5	23 31	23 31	23 52	17 29	5 46
T 6	2 51	11 33	3 54	13 20	0 25	1 56	1 1	3 38	0 25	9 8	1 32	15 57	1 9	1 17	0 42	21 34	0 22	10 0	11 6	23 31	23 31	23 52	17 30	5 45
W 7	2 28	15 46	3 7	13 16	0 36	2 28	0 59	3 56	0 25	9 11	1 32	15 55	1 9	1 15	0 42	21 34	0 22	9 59	11 6	23 31	23 32	23 53	17 30	5 45
T 8	2 4	19 14	2 12	13 10	0 47	2 59	0 57	4 14	0 24	9 14	1 32	15 53	1 9	1 14	0 42	21 34	0 22	9 59	11 6	23 32	23 32	23 53	17 31	5 44
F 9	1 41	21 48	1 12	13 2	0 57	3 29	0 55	4 33	0 23	9 16	1 32	15 51	1 10	1 13	0 42	21 34	0 22	9 59	11 6	23 32	23 32	23 54	17 31	5 44
S 10	1 17	23 22	0 10	12 53	1 7	4 0	0 53	4 51	0 23	9 19	1 32	15 50	1 10	1 11	0 42	21 34	0 22	9 59	11 7	23 32	23 32	23 54	17 32	5 44
S 11	0 53	23 54	0s53	12 42	1 16	4 31	0 51	5 9	0 22	9 22	1 32	15 48	1 10	1 10	0 42	21 34	0 22	9 58	11 7	23 32	23 32	23 55	17 32	5 43
M12	0 30	23 21	1 53	12 29	1 25	5 2	0 49	5 27	0 21	9 24	1 32	15 46	1 10	1 8	0 42	21 34	0 21	9 58	11 7	23 32	23 32	23 55	17 33	5 43
T 13	0 6	21 43	2 48	12 15	1 33	5 32	0 47	5 45	0 21	9 27	1 32	15 44	1 10	1 7	0 42	21 34	0 21	9 58	11 8	23 32	23 32	23 55	17 33	5 42
W14	0n18	19 5	3 37	11 59	1 40	6 3	0 45	6 3	0 20	9 30	1 32	15 42	1 10	1 6	0 42	21 34	0 21	9 57	11 8	23 32	23 32	23 56	17 34	5 42
T 15	0 41	15 33	4 17	11 41	1 47	6 33	0 43	6 20	0 19	9 32	1 32	15 40	1 10	1 4	0 42	21 34	0 21	9 57	11 8	23 32	23 32	23 56	17 34	5 42
F 16	1 5	11 14	4 45	11 22	1 54	7 3	0 41	6 38	0 19	9 35	1 32	15 38	1 10	1 3	0 42	21 35	0 21	9 57	11 8	23 32	23 32	23 57	17 35	5 41
S 17	1 28	6 19	4 59	11 1	2 0	7 33	0 39	6 56	0 18	9 37	1 32	15 37	1 11	1 2	0 42	21 35	0 21	9 56	11 8	23 32	23 32	23 57	17 35	5 41
S 18	1 52	1 1	4 57	10 39	2 6	8 3	0 36	7 13	0 17	9 39	1 32	15 35	1 11	1 0	0 42	21 35	0 21	9 56	11 9	23 32	23 32	23 57	17 36	5 40
M19	2 15	4n27	4 39	10 15	2 11	8 33	0 34	7 31	0 17	9 42	1 32	15 33	1 11	0 59	0 42	21 35	0 21	9 56	11 9	23 32	23 32	23 58	17 37	5 40
T 20	2 39	9 47	4 4	9 50	2 15	9 2	0 32	7 48	0 16	9 44	1 31	15 31	1 11	0 57	0 42	21 35	0 21	9 55	11 9	23 32	23 32	23 58	17 37	5 40
W21	3 2	14 42	3 15	9 23	2 19	9 32	0 29	8 5	0 15	9 46	1 31	15 29	1 11	0 56	0 42	21 35	0 21	9 55	11 9	23 32	23 32	23 58	17 38	5 39
T 22	3 26	18 51	2 13	8 55	2 22	10 1	0 27	8 23	0 15	9 48	1 31	15 28	1 11	0 55	0 42	21 35	0 21	9 54	11 10	23 32	23 32	23 59	17 38	5 39
F 23	3 49	21 57	1 3	8 26	2 25	10 29	0 25	8 40	0 14	9 50	1 31	15 26	1 11	0 53	0 42	21 35	0 21	9 54	11 10	23 32	23 32	23 59	17 39	5 39
S 24	4 12	23 42	0n11	7 55	2 28	10 58	0 22	8 57	0 13	9 52	1 31	15 24	1 12	0 52	0 42	21 35	0 21	9 54	11 10	23 32	23 32	23 59	17 39	5 38
S 25	4 35	23 56	1 25	7 23	2 30	11 26	0 20	9 14	0 13	9 54	1 31	15 23	1 12	0 51	0 42	21 35	0 21	9 53	11 10	23 32	23 32	24 0	17 40	5 38
M26	4 58	22 38	2 33	6 49	2 31	11 54	0 17	9 30	0 12	9 56	1 31	15 21	1 12	0 49	0 42	21 35	0 21	9 53	11 11	23 32	23 32	24 0	17 40	5 37
T 27	5 21	19 56	3 32	6 14	2 32	12 22	0 15	9 47	0 11	9 58	1 31	15 19	1 12	0 48	0 42	21 35	0 21	9 53	11 11	23 32	23 32	24 0	17 41	5 37
W28	5 44	16 3	4 18	5 38	2 32	12 50	0 12	10 4	0 11	10 0	1 30	15 18	1 12	0 47	0 42	21 35	0 21	9 52	11 11	23 32	23 32	24 1	17 41	5 37
T 29	6 7	11 20	4 48	5 1	2 32	13 17	0 9	10 20	0 10	10 2	1 30	15 16	1 12	0 45	0 42	21 35	0 21	9 52	11 11	23 32	23 32	24 1	17 42	5 36
F 30	6 29	6 4	5 1	4 23	2 31	13 44	0 7	10 37	0 10	10 3	1 30	15 15	1 13	0 44	0 42	21 35	0 21	9 52	11 11	23 32	23 32	24 1	17 42	5 36
S 31	6n52	0n35	4n57	3s43	2s30	14n10	0s 4	10n53	0s 9	10n 5	1n30	15s13	1s13	0s43	0s42	21n35	0s21	9s51	11n11	23n32	23n32	24s 2	17n43	5s36

Julian Day Number = 2180236.5, Delta T = 11m34s
Ecliptic obliquity = 23°32'09, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'52, Lahiri = 13°29'52 Julian Calendar 1 March 1257 == Greg. Calendar 8 March 1257

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

APRIL 1257 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 6 7	18♈23'12	23♎19	28♓ 5	9♉14	29♈20	7°R41	22♒35	29♓52	20♋44	3°R 0	29°R14	0♋19	11♑28	22♊13	S 1
M 2	13 10 4	19°21'42	6♏23	29°45	10°27	0♉ 4	7♍37	22°40	29°56	20°44	2♐59	29♊ 4	0°16	11°35	22°16	M 2
T 3	13 14 0	20°20'10	19° 8	1♈27	11°41	0°47	7°33	22°45	29°59	20°45	2°58	28°56	0°13	11°42	22°20	T 3
W 4	13 17 57	21°18'36	1♐36	3°10	12°54	1°31	7°29	22°50	0♈ 2	20°45	2°57	28°50	0°10	11°48	22°24	W 4
T 5	13 21 53	22°17'00	13°48	4°56	14° 8	2°14	7°25	22°55	0° 5	20°45	2°56	28°47	0° 6	11°55	22°27	T 5
F 6	13 25 50	23°15'23	25°47	6°42	15°21	2°58	7°21	22°59	0° 9	20°46	2°55	28°D45	0° 3	12° 2	22°31	F 6
S 7	13 29 46	24°13'44	7♑39	8°31	16°34	3°41	7°18	23° 4	0°12	20°46	2°53	28°46	0° 0	12° 8	22°35	S 7
S 8	13 33 43	25°12'04	19°27	10°21	17°48	4°25	7°14	23° 9	0°15	20°47	2°52	28°46	29♊57	12°15	22°39	S 8
M 9	13 37 39	26°10'22	1♒18	12°13	19° 1	5° 8	7°11	23°13	0°18	20°47	2°51	28°R46	29°54	12°22	22°43	M 9
T 10	13 41 36	27° 8'38	13°17	14° 7	20°14	5°51	7° 8	23°18	0°21	20°48	2°50	28°45	29°50	12°28	22°47	T 10
W11	13 45 33	28° 6'53	25°28	16° 2	21°27	6°35	7° 5	23°22	0°24	20°48	2°49	28°41	29°47	12°35	22°51	W11
T 12	13 49 29	29° 5'06	7♓57	17°59	22°40	7°18	7° 3	23°27	0°28	20°49	2°47	28°36	29°44	12°41	22°55	T 12
F 13	13 53 26	0♉ 3'18	20°46	19°58	23°53	8° 1	7° 0	23°31	0°31	20°49	2°46	28°28	29°41	12°48	22°59	F 13
S 14	13 57 22	1° 1'28	3♈56	21°58	25° 6	8°44	6°58	23°35	0°34	20°50	2°45	28°19	29°38	12°55	23° 3	S 14
S 15	14 1 19	1°59'37	17°29	24° 0	26°19	9°27	6°56	23°39	0°37	20°51	2°43	28° 9	29°35	13° 1	23° 8	S 15
M16	14 5 15	2°57'44	1♉21	26° 4	27°32	10°10	6°54	23°43	0°40	20°51	2°42	28° 0	29°31	13° 8	23°12	M16
T 17	14 9 12	3°55'49	15°29	28° 9	28°45	10°53	6°52	23°47	0°43	20°52	2°41	27°53	29°28	13°15	23°16	T 17
W18	14 13 8	4°53'52	29°48	0♊15	29°58	11°36	6°50	23°51	0°46	20°53	2°39	27°47	29°25	13°21	23°21	W18
T 19	14 17 5	5°51'54	14♊12	2°22	1♊11	12°19	6°49	23°55	0°49	20°54	2°38	27°45	29°22	13°28	23°25	T 19
F 20	14 21 2	6°49'54	28°37	4°31	2°24	13° 1	6°48	23°58	0°52	20°55	2°37	27°D44	29°19	13°35	23°30	F 20
S 21	14 24 58	7°47'52	12♋58	6°40	3°37	13°44	6°47	24° 2	0°55	20°56	2°35	27°44	29°16	13°41	23°35	S 21
S 22	14 28 55	8°45'49	27°13	8°50	4°49	14°27	6°46	24° 6	0°57	20°56	2°34	27°45	29°12	13°48	23°39	S 22
M23	14 32 51	9°43'43	11♌19	11° 1	6° 2	15° 9	6°45	24° 9	1° 0	20°57	2°32	27°R46	29° 9	13°55	23°44	M23
T 24	14 36 48	10°41'35	25°17	13°12	7°15	15°52	6°45	24°12	1° 3	20°58	2°31	27°45	29° 6	14° 1	23°49	T 24
W25	14 40 44	11°39'26	9♍ 4	15°22	8°27	16°35	6°45	24°16	1° 6	20°59	2°29	27°42	29° 3	14° 8	23°54	W25
T 26	14 44 41	12°37'15	22°41	17°33	9°40	17°17	6°D44	24°19	1° 9	21° 0	2°28	27°37	29° 0	14°15	23°58	T 26
F 27	14 48 37	13°35'01	6♎ 5	19°42	10°52	18° 0	6°45	24°22	1°12	21° 1	2°26	27°31	28°56	14°21	24° 3	F 27
S 28	14 52 34	14°32'47	19°18	21°51	12° 5	18°42	6°45	24°25	1°14	21° 3	2°25	27°24	28°53	14°28	24° 8	S 28
S 29	14 56 31	15°30'31	2♏16	23°59	13°17	19°24	6°45	24°28	1°17	21° 4	2°23	27°16	28°50	14°35	24°13	S 29
M30	15 0 27	16♉28'13	15♏ 1	26♉ 5	14♊30	20♉ 6	6♍46	24♒31	1♈20	21♋ 5	2♐22	27♊10	28♊47	14♑41	24♊18	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n14	4s49	4n36	3s 2	2s28	14n36	0s 2	11n 9	0s 8	10n 7	1n30	15s12	1s13	0s41	0s42	21n35	0s21	9s51	11n12	23n32	23n32	24s 2	17n44	5s35
M 2	7 36	9 55	4 1	2 20	2 26	15 2	0n 1	11 25	0 8	10 8	1 30	15 10	1 13	0 40	0 42	21 35	0 21	9 51	11 12	23 32	23 32	24 2	17 44	5 35
T 3	7 59	14 28	3 14	1 37	2 23	15 27	0 4	11 41	0 7	10 9	1 30	15 9	1 13	0 39	0 42	21 35	0 21	9 50	11 12	23 32	23 32	24 3	17 45	5 35
W 4	8 21	18 17	2 19	0 52	2 20	15 53	0 6	11 57	0 6	10 11	1 29	15 7	1 13	0 38	0 42	21 35	0 21	9 50	11 12	23 32	23 32	24 3	17 45	5 34
T 5	8 43	21 14	1 19	0 7	2 16	16 17	0 9	12 13	0 6	10 12	1 29	15 6	1 14	0 36	0 42	21 35	0 21	9 49	11 12	23 32	23 32	24 3	17 46	5 34
F 6	9 4	23 12	0 16	0n39	2 12	16 41	0 12	12 28	0 5	10 13	1 29	15 4	1 14	0 35	0 42	21 35	0 21	9 49	11 13	23 32	23 32	24 3	17 46	5 34
S 7	9 26	24 6	0s47	1 27	2 7	17 5	0 14	12 44	0 4	10 14	1 29	15 3	1 14	0 34	0 42	21 35	0 21	9 49	11 13	23 32	23 32	24 4	17 47	5 33
S 8	9 47	23 54	1 48	2 15	2 2	17 29	0 17	12 59	0 4	10 16	1 29	15 1	1 14	0 32	0 42	21 35	0 21	9 48	11 13	23 32	23 32	24 4	17 47	5 33
M 9	10 9	22 38	2 45	3 5	1 56	17 52	0 20	13 14	0 3	10 17	1 29	15 0	1 14	0 31	0 42	21 35	0 21	9 48	11 13	23 32	23 32	24 4	17 48	5 33
T 10	10 30	20 20	3 35	3 55	1 49	18 14	0 22	13 29	0 2	10 18	1 28	14 59	1 14	0 30	0 42	21 35	0 21	9 48	11 13	23 32	23 32	24 4	17 48	5 33
W11	10 51	17 5	4 16	4 46	1 42	18 36	0 25	13 44	0 2	10 18	1 28	14 57	1 15	0 29	0 42	21 35	0 21	9 47	11 13	23 32	23 32	24 5	17 49	5 32
T 12	11 12	13 2	4 46	5 37	1 35	18 58	0 28	13 59	0 1	10 19	1 28	14 56	1 15	0 27	0 42	21 34	0 21	9 47	11 13	23 32	23 32	24 5	17 49	5 32
F 13	11 32	8 18	5 2	6 30	1 27	19 19	0 30	14 14	0 0	10 20	1 28	14 55	1 15	0 26	0 42	21 34	0 21	9 47	11 13	23 32	23 32	24 5	17 50	5 32
S 14	11 53	3 4	5 4	7 22	1 19	19 39	0 33	14 28	0n 0	10 21	1 28	14 54	1 15	0 25	0 42	21 34	0 21	9 46	11 14	23 31	23 32	24 5	17 50	5 31
S 15	12 13	2n27	4 48	8 16	1 10	19 59	0 36	14 43	0 1	10 21	1 27	14 52	1 15	0 24	0 42	21 34	0 21	9 46	11 14	23 31	23 32	24 5	17 51	5 31
M16	12 33	8 0	4 16	9 9	1 1	20 19	0 38	14 57	0 1	10 22	1 27	14 51	1 16	0 23	0 42	21 34	0 21	9 46	11 14	23 31	23 32	24 6	17 51	5 31
T 17	12 53	13 15	3 27	10 3	0 52	20 38	0 41	15 11	0 2	10 22	1 27	14 50	1 16	0 21	0 42	21 34	0 21	9 45	11 14	23 31	23 32	24 6	17 52	5 31
W18	13 12	17 50	2 24	10 57	0 42	20 56	0 44	15 25	0 3	10 23	1 27	14 49	1 16	0 20	0 42	21 34	0 21	9 45	11 14	23 31	23 32	24 6	17 52	5 30
T 19	13 32	21 24	1 12	11 51	0 32	21 14	0 46	15 39	0 3	10 23	1 27	14 48	1 16	0 19	0 42	21 34	0 21	9 44	11 14	23 31	23 32	24 6	17 53	5 30
F 20	13 51	23 36	0n 5	12 44	0 22	21 31	0 49	15 52	0 4	10 23	1 26	14 47	1 16	0 18	0 42	21 34	0 21	9 44	11 14	23 31	23 32	24 6	17 53	5 30
S 21	14 10	24 15	1 21	13 37	0 11	21 48	0 52	16 6	0 5	10 23	1 26	14 46	1 16	0 17	0 42	21 34	0 21	9 44	11 14	23 31	23 32	24 6	17 54	5 30
S 22	14 29	23 17	2 32	14 29	0 1	22 4	0 54	16 19	0 5	10 24	1 26	14 45	1 17	0 16	0 42	21 34	0 21	9 43	11 14	23 31	23 32	24 7	17 54	5 29
M23	14 47	20 52	3 33	15 21	0n10	22 20	0 57	16 32	0 6	10 24	1 26	14 44	1 17	0 15	0 42	21 33	0 21	9 43	11 14	23 31	23 32	24 7	17 54	5 29
T 24	15 5	17 14	4 21	16 11	0 20	22 35	0 59	16 45	0 6	10 24	1 26	14 43	1 17	0 13	0 42	21 33	0 21	9 43	11 14	23 31	23 32	24 7	17 55	5 29
W25	15 24	12 43	4 53	17 0	0 31	22 49	1 2	16 58	0 7	10 24	1 25	14 42	1 17	0 12	0 42	21 33	0 20	9 43	11 15	23 31	23 32	24 7	17 55	5 29
T 26	15 41	7 37	5 7	17 48	0 41	23 3	1 4	17 11	0 8	10 23	1 25	14 41	1 17	0 11	0 42	21 33	0 20	9 42	11 15	23 31	23 32	24 7	17 56	5 28
F 27	15 59	2 14	5 5	18 33	0 51	23 16	1 6	17 24	0 8	10 23	1 25	14 40	1 18	0 10	0 42	21 33	0 20	9 42	11 15	23 31	23 32	24 7	17 56	5 28
S 28	16 16	3s10	4 47	19 17	1 1	23 28	1 9	17 36	0 9	10 23	1 25	14 39	1 18	0 9	0 42	21 33	0 20	9 42	11 15	23 31	23 32	24 7	17 57	5 28
S 29	16 33	8 21	4 13	19 59	1 10	23 40	1 11	17 48	0 10	10 22	1 24	14 39	1 18	0 8	0 42	21 33	0 20	9 41	11 15	23 30	23 32	24 8	17 57	5 28
M30	16n50	13s 5	3n28	20n38	1n19	23n51	1n13	18n 0	0n10	10n22	1n24	14s38	1s18	0s 7	0s42	21n32	0s20	9s41	11n15	23n30	23n32	24s 8	17n57	5s28

Julian Day Number = 2180267.5, Delta T = 11m33s
Ecliptic obliquity = 23°32'09, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°22'56, Lahiri = 13°29'57 Julian Calendar 1 Apr. 1257 == Greg. Calendar 8 Apr. 1257

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

MAY 1257 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 4 24	17♉25'54	27♏31	28♉10	15♊42	20♉49	6♍47	24♒34	1♈22	21♋ 6	2°R20	27°R 5	28♊44	14♑48	24♊23	T 1
W 2	15 8 20	18°23'34	9♐48	0♊12	16°54	21°31	6°48	24°36	1°25	21° 7	2♐19	27♊ 2	28°41	14°54	24°29	W 2
T 3	15 12 17	19°21'13	21°53	2°13	18° 6	22°13	6°49	24°39	1°27	21° 8	2°17	27°D 0	28°37	15° 1	24°34	T 3
F 4	15 16 13	20°18'50	3♑49	4°11	19°19	22°55	6°50	24°41	1°30	21°10	2°16	27° 0	28°34	15° 8	24°39	F 4
S 5	15 20 10	21°16'26	15°40	6° 7	20°31	23°37	6°52	24°44	1°32	21°11	2°14	27° 2	28°31	15°14	24°44	S 5
S 6	15 24 6	22°14'02	27°28	8° 0	21°43	24°19	6°53	24°46	1°35	21°12	2°12	27° 3	28°28	15°21	24°49	S 6
M 7	15 28 3	23°11'36	9♒19	9°51	22°55	25° 1	6°55	24°48	1°37	21°14	2°11	27° 5	28°25	15°28	24°55	M 7
T 8	15 32 0	24° 9'09	21°18	11°39	24° 7	25°43	6°57	24°50	1°40	21°15	2° 9	27°R 6	28°22	15°34	25° 0	T 8
W 9	15 35 56	25° 6'42	3♓29	13°24	25°19	26°25	7° 0	24°52	1°42	21°16	2° 8	27° 5	28°18	15°41	25° 5	W 9
T 10	15 39 53	26° 4'13	15°58	15° 6	26°31	27° 7	7° 2	24°54	1°44	21°18	2° 6	27° 4	28°15	15°48	25°11	T 10
F 11	15 43 49	27° 1'44	28°47	16°45	27°43	27°48	7° 5	24°56	1°47	21°19	2° 4	27° 1	28°12	15°54	25°16	F 11
S 12	15 47 46	27°59'13	12♈ 1	18°22	28°54	28°30	7° 7	24°58	1°49	21°21	2° 3	26°57	28° 9	16° 1	25°22	S 12
S 13	15 51 42	28°56'42	25°40	19°55	0♋ 6	29°12	7°10	24°59	1°51	21°22	2° 1	26°53	28° 6	16° 8	25°27	S 13
M14	15 55 39	29°54'10	9♉43	21°26	1°18	29°53	7°13	25° 1	1°53	21°24	2° 0	26°49	28° 2	16°14	25°33	M14
T 15	15 59 35	0♊51'38	24° 7	22°53	2°30	0♊35	7°16	25° 2	1°55	21°25	1°58	26°46	27°59	16°21	25°38	T 15
W16	16 3 32	1°49'04	8♊46	24°17	3°41	1°16	7°20	25° 4	1°58	21°27	1°56	26°44	27°56	16°28	25°44	W16
T 17	16 7 29	2°46'29	23°34	25°39	4°53	1°58	7°23	25° 5	2° 0	21°28	1°55	26°D43	27°53	16°34	25°50	T 17
F 18	16 11 25	3°43'54	8♋23	26°57	6° 4	2°39	7°27	25° 6	2° 2	21°30	1°53	26°43	27°50	16°41	25°55	F 18
S 19	16 15 22	4°41'17	23° 6	28°12	7°16	3°21	7°31	25° 7	2° 4	21°32	1°51	26°44	27°47	16°48	26° 1	S 19
S 20	16 19 18	5°38'39	7♌38	29°23	8°27	4° 2	7°35	25° 8	2° 6	21°33	1°50	26°45	27°43	16°54	26° 7	S 20
M21	16 23 15	6°36'01	21°55	0♌32	9°39	4°43	7°39	25° 9	2° 7	21°35	1°48	26°46	27°40	17° 1	26°13	M21
T 22	16 27 11	7°33'20	5♍55	1°37	10°50	5°25	7°44	25°10	2° 9	21°37	1°47	26°R47	27°37	17° 8	26°18	T 22
W23	16 31 8	8°30'39	19°37	2°38	12° 1	6° 6	7°48	25°10	2°11	21°38	1°45	26°47	27°34	17°14	26°24	W23
T 24	16 35 4	9°27'57	3♎ 2	3°36	13°12	6°47	7°53	25°11	2°13	21°40	1°43	26°46	27°31	17°21	26°30	T 24
F 25	16 39 1	10°25'14	16°10	4°31	14°23	7°28	7°58	25°11	2°15	21°42	1°42	26°44	27°28	17°27	26°36	F 25
S 26	16 42 58	11°22'30	29° 2	5°22	15°34	8° 9	8° 3	25°12	2°16	21°44	1°40	26°42	27°24	17°34	26°42	S 26
S 27	16 46 54	12°19'45	11♏40	6° 9	16°45	8°50	8° 8	25°12	2°18	21°45	1°39	26°40	27°21	17°41	26°47	S 27
M28	16 50 51	13°16'59	24° 6	6°52	17°56	9°31	8°13	25°12	2°20	21°47	1°37	26°38	27°18	17°47	26°53	M28
T 29	16 54 47	14°14'13	6♐20	7°31	19° 7	10°12	8°19	25°R12	2°21	21°49	1°35	26°37	27°15	17°54	26°59	T 29
W30	16 58 44	15°11'26	18°25	8° 6	20°18	10°53	8°25	25°12	2°23	21°51	1°34	26°36	27°12	18° 1	27° 5	W30
T 31	17 2 40	16♊ 8'39	0♑22	8♋37	21♋29	11♊34	8♍30	25♒12	2♈24	21♋53	1♐32	26°D36	27♊ 8	18♑ 7	27♊11	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 6	17s12	2n33	21n15	1n28	24n 1	1n16	18n12	0n11	10n22	1n24	14s37	1s18	0s 6	0s42	21n32	0s20	9s41	11n15	23n30	23n32	24s 8	17n58	5s27
W 2	17 22	20 29	1 32	21 50	1 35	24 11	1 18	18 24	0 11	10 21	1 24	14 36	1 19	0 5	0 42	21 32	0 20	9 40	11 15	23 30	23 32	24 8	17 58	5 27
T 3	17 38	22 49	0 28	22 22	1 43	24 20	1 20	18 35	0 12	10 20	1 24	14 36	1 19	0 4	0 42	21 32	0 20	9 40	11 15	23 30	23 32	24 8	17 59	5 27
F 4	17 54	24 6	0s37	22 51	1 49	24 28	1 22	18 47	0 13	10 20	1 23	14 35	1 19	0 3	0 42	21 32	0 20	9 40	11 15	23 30	23 32	24 8	17 59	5 27
S 5	18 9	24 16	1 40	23 18	1 55	24 36	1 24	18 58	0 13	10 19	1 23	14 35	1 19	0 2	0 42	21 32	0 20	9 40	11 15	23 30	23 32	24 8	17 59	5 27
S 6	18 24	23 21	2 39	23 42	2 0	24 43	1 26	19 9	0 14	10 18	1 23	14 34	1 19	0 1	0 42	21 31	0 20	9 39	11 15	23 30	23 32	24 8	18 0	5 26
M 7	18 39	21 23	3 31	24 4	2 4	24 49	1 28	19 20	0 14	10 17	1 23	14 33	1 20	0 0	0 42	21 31	0 20	9 39	11 15	23 30	23 32	24 8	18 0	5 26
T 8	18 53	18 28	4 14	24 23	2 8	24 54	1 30	19 30	0 15	10 16	1 23	14 33	1 20	0n 1	0 42	21 31	0 20	9 39	11 15	23 30	23 32	24 8	18 1	5 26
W 9	19 7	14 43	4 47	24 40	2 11	24 59	1 32	19 41	0 16	10 15	1 22	14 32	1 20	0 2	0 42	21 31	0 20	9 38	11 15	23 30	23 31	24 8	18 1	5 26
T 10	19 21	10 16	5 7	24 54	2 13	25 3	1 34	19 51	0 16	10 14	1 22	14 32	1 20	0 3	0 42	21 31	0 20	9 38	11 15	23 30	23 31	24 8	18 1	5 26
F 11	19 34	5 16	5 13	25 6	2 14	25 7	1 36	20 1	0 17	10 13	1 22	14 32	1 20	0 4	0 43	21 30	0 20	9 38	11 14	23 30	23 31	24 8	18 2	5 26
S 12	19 47	0n 8	5 3	25 15	2 15	25 9	1 37	20 11	0 17	10 12	1 22	14 31	1 21	0 4	0 43	21 30	0 20	9 38	11 14	23 30	23 31	24 9	18 2	5 26
S 13	20 0	5 42	4 35	25 23	2 14	25 11	1 39	20 21	0 18	10 10	1 21	14 31	1 21	0 5	0 43	21 30	0 20	9 37	11 14	23 30	23 31	24 9	18 2	5 25
M14	20 13	11 9	3 50	25 28	2 13	25 12	1 41	20 31	0 19	10 9	1 21	14 30	1 21	0 6	0 43	21 30	0 20	9 37	11 14	23 30	23 31	24 9	18 2	5 25
T 15	20 25	16 8	2 50	25 32	2 11	25 13	1 42	20 40	0 19	10 8	1 21	14 30	1 21	0 7	0 43	21 30	0 20	9 37	11 14	23 30	23 31	24 9	18 3	5 25
W16	20 37	20 15	1 37	25 33	2 8	25 13	1 44	20 49	0 20	10 6	1 21	14 30	1 22	0 8	0 43	21 29	0 20	9 37	11 14	23 30	23 31	24 9	18 3	5 25
T 17	20 48	23 5	0 17	25 33	2 5	25 12	1 45	20 58	0 20	10 5	1 21	14 30	1 22	0 9	0 43	21 29	0 20	9 37	11 14	23 30	23 31	24 9	18 3	5 25
F 18	20 59	24 20	1n 4	25 31	2 1	25 10	1 46	21 7	0 21	10 3	1 20	14 30	1 22	0 9	0 43	21 29	0 20	9 36	11 14	23 30	23 31	24 9	18 4	5 25
S 19	21 10	23 51	2 20	25 27	1 56	25 8	1 48	21 16	0 21	10 1	1 20	14 29	1 22	0 10	0 43	21 29	0 20	9 36	11 14	23 30	23 31	24 9	18 4	5 25
S 20	21 20	21 46	3 27	25 22	1 50	25 5	1 49	21 24	0 22	10 0	1 20	14 29	1 22	0 11	0 43	21 28	0 20	9 36	11 14	23 30	23 31	24 9	18 4	5 25
M21	21 30	18 20	4 19	25 15	1 43	25 1	1 50	21 32	0 23	9 58	1 20	14 29	1 23	0 12	0 43	21 28	0 20	9 36	11 14	23 30	23 31	24 9	18 4	5 25
T 22	21 40	13 57	4 55	25 7	1 36	24 56	1 51	21 40	0 23	9 56	1 20	14 29	1 23	0 12	0 43	21 28	0 20	9 36	11 13	23 30	23 31	24 9	18 5	5 25
W23	21 49	8 55	5 13	24 58	1 28	24 51	1 52	21 48	0 24	9 54	1 19	14 29	1 23	0 13	0 43	21 28	0 20	9 35	11 13	23 30	23 31	24 8	18 5	5 25
T 24	21 58	3 35	5 14	24 48	1 19	24 45	1 53	21 56	0 24	9 52	1 19	14 29	1 23	0 14	0 43	21 27	0 20	9 35	11 13	23 30	23 31	24 8	18 5	5 25
F 25	22 6	1s48	4 58	24 37	1 10	24 38	1 54	22 3	0 25	9 50	1 19	14 29	1 23	0 14	0 43	21 27	0 20	9 35	11 13	23 30	23 31	24 8	18 5	5 24
S 26	22 14	7 1	4 27	24 25	0 59	24 31	1 54	22 10	0 25	9 48	1 19	14 29	1 24	0 15	0 43	21 27	0 20	9 35	11 13	23 30	23 31	24 8	18 5	5 24
S 27	22 22	11 51	3 44	24 12	0 48	24 23	1 55	22 17	0 26	9 46	1 19	14 29	1 24	0 16	0 43	21 27	0 20	9 35	11 13	23 30	23 31	24 8	18 6	5 24
M28	22 29	16 7	2 50	23 58	0 37	24 14	1 56	22 24	0 27	9 44	1 18	14 29	1 24	0 16	0 43	21 26	0 20	9 35	11 13	23 30	23 30	24 8	18 6	5 24
T 29	22 36	19 39	1 50	23 44	0 24	24 5	1 56	22 31	0 27	9 42	1 18	14 30	1 24	0 17	0 43	21 26	0 20	9 35	11 12	23 30	23 30	24 8	18 6	5 24
W30	22 43	22 17	0 45	23 29	0 12	23 55	1 57	22 37	0 28	9 39	1 18	14 30	1 24	0 18	0 43	21 26	0 20	9 34	11 12	23 29	23 30	24 8	18 6	5 24
T 31	22n49	23s53	0s21	23n13	0s 2	23n44	1n57	22n44	0n28	9n37	1n18	14s30	1s25	0n18	0s43	21n25	0s20	9s34	11n12	23n29	23n30	24s 8	18n 6	5s24

Julian Day Number = 2180297.5, Delta T = 11m33s
Ecliptic obliquity = 23°32'09, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'00, Lahiri = 13°30'01 Julian Calendar 1 May 1257 == Greg. Calendar 8 May 1257

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

JUNE 1257 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 6 37	17♊ 5'52	12♉14	9♋ 4	22♋39	12♊15	8♍36	25°R12	2♈26	21♋55	1°R31	26♊36	27♊ 5	18♉14	27♊17	F 1
S 2	17 10 33	18° 3'04	24° 3	9°26	23°50	12°55	8°42	25♒11	2°27	21°56	1♐29	26°37	27° 2	18°21	27°23	S 2
S 3	17 14 30	19° 0'15	5♒51	9°44	25° 0	13°36	8°48	25°11	2°28	21°58	1°28	26°38	26°59	18°27	27°29	S 3
M 4	17 18 27	19°57'27	17°43	9°57	26°11	14°17	8°55	25°10	2°30	22° 0	1°26	26°38	26°56	18°34	27°35	M 4
T 5	17 22 23	20°54'38	29°43	10° 6	27°21	14°57	9° 1	25°10	2°31	22° 2	1°25	26°39	26°53	18°41	27°41	T 5
W 6	17 26 20	21°51'50	11♓54	10°R10	28°31	15°38	9° 8	25° 9	2°32	22° 4	1°23	26°39	26°49	18°47	27°47	W 6
T 7	17 30 16	22°49'01	24°21	10°10	29°42	16°19	9°14	25° 8	2°33	22° 6	1°22	26°R39	26°46	18°54	27°53	T 7
F 8	17 34 13	23°46'12	7♈ 7	10° 5	0♌52	16°59	9°21	25° 7	2°34	22° 8	1°20	26°39	26°43	19° 1	27°59	F 8
S 9	17 38 9	24°43'23	20°17	9°56	2° 2	17°39	9°28	25° 6	2°36	22°10	1°19	26°39	26°40	19° 7	28° 5	S 9
S 10	17 42 6	25°40'35	3♉53	9°42	3°12	18°20	9°35	25° 5	2°37	22°12	1°17	26°39	26°37	19°14	28°11	S 10
M11	17 46 2	26°37'46	17°56	9°24	4°22	19° 0	9°43	25° 4	2°38	22°14	1°16	26°D39	26°33	19°21	28°17	M11
T 12	17 49 59	27°34'58	2♊23	9° 2	5°31	19°41	9°50	25° 3	2°38	22°16	1°14	26°39	26°30	19°27	28°23	T 12
W13	17 53 56	28°32'10	17°10	8°37	6°41	20°21	9°58	25° 1	2°39	22°18	1°13	26°39	26°27	19°34	28°29	W13
T 14	17 57 52	29°29'22	2♋12	8° 8	7°51	21° 1	10° 5	25° 0	2°40	22°21	1°12	26°R39	26°24	19°41	28°35	T 14
F 15	18 1 49	0♋26'33	17°19	7°37	9° 0	21°41	10°13	24°58	2°41	22°23	1°10	26°39	26°21	19°47	28°41	F 15
S 16	18 5 45	1°23'45	2♌22	7° 3	10°10	22°22	10°21	24°56	2°42	22°25	1° 9	26°39	26°18	19°54	28°47	S 16
S 17	18 9 42	2°20'57	17°13	6°27	11°19	23° 2	10°29	24°55	2°42	22°27	1° 8	26°38	26°14	20° 1	28°53	S 17
M18	18 13 38	3°18'08	1♍46	5°50	12°29	23°42	10°37	24°53	2°43	22°29	1° 6	26°37	26°11	20° 7	28°59	M18
T 19	18 17 35	4°15'19	15°56	5°13	13°38	24°22	10°45	24°51	2°44	22°31	1° 5	26°37	26° 8	20°14	29° 5	T 19
W20	18 21 32	5°12'30	29°42	4°35	14°47	25° 2	10°54	24°49	2°44	22°33	1° 4	26°D36	26° 5	20°21	29°11	W20
T 21	18 25 28	6° 9'41	13♎ 4	3°58	15°56	25°42	11° 2	24°47	2°45	22°35	1° 3	26°36	26° 2	20°27	29°17	T 21
F 22	18 29 25	7° 6'51	26° 4	3°22	17° 5	26°22	11°11	24°44	2°45	22°38	1° 1	26°37	25°59	20°34	29°23	F 22
S 23	18 33 21	8° 4'02	8♏45	2°48	18°14	27° 2	11°19	24°42	2°46	22°40	1° 0	26°38	25°55	20°41	29°29	S 23
S 24	18 37 18	9° 1'13	21° 9	2°17	19°22	27°42	11°28	24°40	2°46	22°42	0°59	26°39	25°52	20°47	29°35	S 24
M25	18 41 14	9°58'24	3♐21	1°49	20°31	28°21	11°37	24°37	2°46	22°44	0°58	26°40	25°49	20°54	29°41	M25
T 26	18 45 11	10°55'35	15°23	1°25	21°39	29° 1	11°46	24°35	2°47	22°46	0°57	26°41	25°46	21° 1	29°47	T 26
W27	18 49 7	11°52'47	27°18	1° 4	22°48	29°41	11°55	24°32	2°47	22°48	0°55	26°R41	25°43	21° 7	29°53	W27
T 28	18 53 4	12°49'58	9♑ 9	0°48	23°56	0♋21	12° 4	24°29	2°47	22°51	0°54	26°41	25°40	21°14	29°59	T 28
F 29	18 57 1	13°47'11	20°58	0°37	25° 4	1° 0	12°13	24°26	2°47	22°53	0°53	26°39	25°36	21°21	0♋ 5	F 29
S 30	19 0 57	14♋44'23	2♒47	0♋31	26♌12	1♋40	12♍23	24♒23	2♈47	22♋55	0♐52	26♊37	25♊33	21♉27	0♋11	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n54	24s24	1s26	22n58	0s16	23n33	1n57	22n50	0n29	9n35	1n18	14s30	1s25	0n19	0s43	21n25	0s20	9s34	11n12	23n30	23n30	24s 8	18n 6	5s24
S 2	23 0	23 47	2 27	22 41	0 31	23 21	1 57	22 55	0 29	9 32	1 17	14 31	1 25	0 19	0 43	21 25	0 20	9 34	11 12	23 30	23 30	24 8	18 6	5 24
S 3	23 5	22 8	3 21	22 25	0 46	23 8	1 57	23 1	0 30	9 30	1 17	14 31	1 25	0 20	0 43	21 25	0 20	9 34	11 11	23 30	23 30	24 8	18 6	5 24
M 4	23 9	19 30	4 7	22 9	1 1	22 55	1 57	23 7	0 30	9 27	1 17	14 31	1 26	0 20	0 43	21 24	0 20	9 34	11 11	23 30	23 30	24 8	18 7	5 24
T 5	23 13	16 2	4 43	21 53	1 17	22 41	1 57	23 12	0 31	9 24	1 17	14 32	1 26	0 21	0 43	21 24	0 20	9 34	11 11	23 30	23 30	24 7	18 7	5 24
W 6	23 17	11 51	5 7	21 36	1 33	22 27	1 57	23 17	0 31	9 22	1 17	14 32	1 26	0 21	0 43	21 24	0 20	9 34	11 11	23 30	23 30	24 7	18 7	5 24
T 7	23 20	7 6	5 17	21 20	1 49	22 12	1 57	23 22	0 32	9 19	1 16	14 33	1 26	0 22	0 43	21 23	0 20	9 34	11 11	23 30	23 30	24 7	18 7	5 24
F 8	23 23	1 57	5 12	21 5	2 5	21 56	1 56	23 26	0 33	9 16	1 16	14 33	1 26	0 22	0 43	21 23	0 20	9 34	11 10	23 30	23 30	24 7	18 7	5 24
S 9	23 26	3n28	4 51	20 49	2 21	21 40	1 56	23 31	0 33	9 13	1 16	14 34	1 27	0 22	0 43	21 23	0 20	9 34	11 10	23 30	23 30	24 7	18 7	5 24
S 10	23 28	8 54	4 13	20 34	2 37	21 23	1 55	23 35	0 34	9 11	1 16	14 34	1 27	0 23	0 43	21 23	0 20	9 34	11 10	23 30	23 30	24 7	18 7	5 24
M11	23 30	14 3	3 19	20 20	2 53	21 6	1 55	23 39	0 34	9 8	1 16	14 35	1 27	0 23	0 43	21 22	0 20	9 34	11 10	23 30	23 29	24 7	18 7	5 25
T 12	23 31	18 35	2 11	20 6	3 8	20 48	1 54	23 43	0 35	9 5	1 16	14 36	1 27	0 23	0 43	21 22	0 20	9 34	11 9	23 30	23 29	24 6	18 7	5 25
W13	23 32	22 3	0 52	19 53	3 22	20 30	1 53	23 46	0 35	9 2	1 15	14 36	1 27	0 24	0 44	21 22	0 20	9 34	11 9	23 30	23 29	24 6	18 7	5 25
T 14	23 32	24 2	0n31	19 41	3 36	20 11	1 52	23 49	0 36	8 59	1 15	14 37	1 28	0 24	0 44	21 21	0 20	9 34	11 9	23 30	23 29	24 6	18 7	5 25
F 15	23 32	24 16	1 52	19 30	3 49	19 51	1 51	23 53	0 36	8 56	1 15	14 38	1 28	0 24	0 44	21 21	0 20	9 34	11 9	23 30	23 29	24 6	18 7	5 25
S 16	23 32	22 43	3 6	19 20	4 1	19 32	1 50	23 56	0 37	8 52	1 15	14 39	1 28	0 25	0 44	21 21	0 20	9 34	11 8	23 30	23 29	24 6	18 7	5 25
S 17	23 31	19 38	4 5	19 11	4 12	19 11	1 48	23 58	0 37	8 49	1 15	14 39	1 28	0 25	0 44	21 20	0 19	9 34	11 8	23 30	23 29	24 6	18 7	5 25
M18	23 30	15 22	4 48	19 3	4 22	18 50	1 47	24 1	0 38	8 46	1 15	14 40	1 28	0 25	0 44	21 20	0 19	9 34	11 8	23 30	23 29	24 5	18 7	5 25
T 19	23 28	10 21	5 12	18 56	4 30	18 29	1 46	24 3	0 38	8 43	1 14	14 41	1 29	0 25	0 44	21 20	0 19	9 34	11 7	23 30	23 29	24 5	18 7	5 25
W20	23 26	4 58	5 17	18 51	4 36	18 7	1 44	24 5	0 39	8 39	1 14	14 42	1 29	0 25	0 44	21 19	0 19	9 34	11 7	23 30	23 29	24 5	18 7	5 25
T 21	23 24	0s30	5 4	18 47	4 42	17 45	1 42	24 7	0 39	8 36	1 14	14 43	1 29	0 26	0 44	21 19	0 19	9 34	11 7	23 30	23 29	24 5	18 7	5 25
F 22	23 21	5 49	4 36	18 45	4 45	17 23	1 41	24 9	0 40	8 33	1 14	14 44	1 29	0 26	0 44	21 19	0 19	9 34	11 6	23 30	23 28	24 5	18 6	5 26
S 23	23 17	10 45	3 56	18 43	4 47	16 59	1 39	24 11	0 40	8 29	1 14	14 45	1 29	0 26	0 44	21 18	0 19	9 34	11 6	23 30	23 28	24 4	18 6	5 26
S 24	23 14	15 9	3 4	18 44	4 47	16 36	1 37	24 12	0 41	8 26	1 14	14 46	1 30	0 26	0 44	21 18	0 19	9 34	11 6	23 30	23 28	24 4	18 6	5 26
M25	23 10	18 51	2 6	18 46	4 46	16 12	1 35	24 13	0 41	8 22	1 13	14 47	1 30	0 26	0 44	21 18	0 19	9 34	11 5	23 30	23 28	24 4	18 6	5 26
T 26	23 5	21 42	1 2	18 49	4 43	15 48	1 33	24 14	0 42	8 18	1 13	14 48	1 30	0 26	0 44	21 17	0 19	9 34	11 5	23 30	23 28	24 4	18 6	5 26
W27	23 0	23 34	0s 3	18 53	4 39	15 24	1 30	24 15	0 42	8 15	1 13	14 49	1 30	0 26	0 44	21 17	0 19	9 34	11 5	23 30	23 28	24 3	18 6	5 26
T 28	22 55	24 21	1 8	18 59	4 33	14 59	1 28	24 15	0 43	8 11	1 13	14 50	1 30	0 26	0 44	21 16	0 19	9 35	11 4	23 30	23 28	24 3	18 6	5 26
F 29	22 49	24 2	2 10	19 6	4 26	14 33	1 25	24 15	0 43	8 7	1 13	14 51	1 31	0 26	0 44	21 16	0 19	9 35	11 4	23 30	23 28	24 3	18 5	5 27
S 30	22n43	22s38	3s 6	19n15	4s17	14n 8	1n23	24n15	0n44	8n 4	1n13	14s52	1s31	0n26	0s44	21n16	0s19	9s35	11n 4	23n30	23n28	24s 3	18n 5	5s27

Julian Day Number = 2180328.5, Delta T = 11m33s
Ecliptic obliquity = 23°32'08, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'05, Lahiri = 13°30'05 Julian Calendar 1 June 1257 == Greg. Calendar 8 June 1257

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

JULY 1257 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 4 54	15♋41'36	14♒38	0°D30	27♌20	2♋20	12♍32	24°R20	2°R47	22♋57	0°R51	26°R35	25♊30	21♉34	0♋17	S 1
M 2	19 8 50	16°38'50	26°34	0♋35	28°28	2°59	12°42	24♒17	2♈47	22°59	0♐50	26♊31	25°27	21°40	0°23	M 2
T 3	19 12 47	17°36'05	8♓38	0°46	29°35	3°39	12°52	24°14	2°47	23° 2	0°49	26°28	25°24	21°47	0°29	T 3
W 4	19 16 43	18°33'20	20°51	1° 2	0♍43	4°18	13° 1	24°11	2°47	23° 4	0°48	26°26	25°20	21°54	0°35	W 4
T 5	19 20 40	19°30'36	3♈19	1°24	1°50	4°58	13°11	24° 8	2°47	23° 6	0°47	26°24	25°17	22° 0	0°41	T 5
F 6	19 24 36	20°27'53	16° 3	1°52	2°57	5°37	13°21	24° 5	2°46	23° 8	0°46	26°D23	25°14	22° 7	0°47	F 6
S 7	19 28 33	21°25'11	29° 8	2°26	4° 5	6°16	13°31	24° 1	2°46	23°11	0°46	26°23	25°11	22°14	0°52	S 7
S 8	19 32 30	22°22'31	12♉36	3° 6	5°12	6°56	13°41	23°58	2°46	23°13	0°45	26°24	25° 8	22°20	0°58	S 8
M 9	19 36 26	23°19'51	26°30	3°51	6°18	7°35	13°52	23°54	2°45	23°15	0°44	26°25	25° 5	22°27	1° 4	M 9
T 10	19 40 23	24°17'12	10♊49	4°43	7°25	8°14	14° 2	23°51	2°45	23°17	0°43	26°27	25° 1	22°34	1°10	T 10
W11	19 44 19	25°14'34	25°31	5°39	8°32	8°53	14°12	23°47	2°45	23°19	0°42	26°R27	24°58	22°40	1°16	W11
T 12	19 48 16	26°11'58	10♋32	6°42	9°38	9°33	14°23	23°43	2°44	23°22	0°42	26°27	24°55	22°47	1°21	T 12
F 13	19 52 12	27° 9'22	25°43	7°50	10°44	10°12	14°33	23°39	2°43	23°24	0°41	26°25	24°52	22°54	1°27	F 13
S 14	19 56 9	28° 6'48	10♌56	9° 3	11°50	10°51	14°44	23°36	2°43	23°26	0°40	26°21	24°49	23° 0	1°33	S 14
S 15	20 0 5	29° 4'14	25°59	10°21	12°56	11°30	14°55	23°32	2°42	23°28	0°40	26°17	24°45	23° 7	1°38	S 15
M16	20 4 2	0♌ 1'40	10♍45	11°45	14° 2	12° 9	15° 6	23°28	2°42	23°31	0°39	26°12	24°42	23°14	1°44	M16
T 17	20 7 59	0°59'08	25° 7	13°13	15° 7	12°48	15°16	23°24	2°41	23°33	0°38	26° 8	24°39	23°20	1°49	T 17
W18	20 11 55	1°56'36	9♎ 1	14°45	16°13	13°27	15°27	23°20	2°40	23°35	0°38	26° 4	24°36	23°27	1°55	W18
T 19	20 15 52	2°54'05	22°27	16°22	17°18	14° 6	15°38	23°16	2°39	23°37	0°37	26° 2	24°33	23°34	2° 0	T 19
F 20	20 19 48	3°51'35	5♏27	18° 3	18°23	14°45	15°49	23°11	2°38	23°39	0°37	26°D 2	24°30	23°40	2° 6	F 20
S 21	20 23 45	4°49'06	18° 3	19°48	19°27	15°24	16° 1	23° 7	2°37	23°42	0°36	26° 3	24°26	23°47	2°11	S 21
S 22	20 27 41	5°46'37	0♐22	21°36	20°32	16° 3	16°12	23° 3	2°36	23°44	0°36	26° 4	24°23	23°54	2°17	S 22
M23	20 31 38	6°44'10	12°26	23°27	21°36	16°42	16°23	22°59	2°35	23°46	0°35	26° 6	24°20	24° 0	2°22	M23
T 24	20 35 34	7°41'44	24°22	25°21	22°40	17°20	16°34	22°55	2°34	23°48	0°35	26°R 6	24°17	24° 7	2°28	T 24
W25	20 39 31	8°39'18	6♑11	27°17	23°44	17°59	16°46	22°50	2°33	23°50	0°35	26° 6	24°14	24°14	2°33	W25
T 26	20 43 28	9°36'54	17°59	29°15	24°48	18°38	16°57	22°46	2°32	23°53	0°34	26° 3	24°11	24°20	2°38	T 26
F 27	20 47 24	10°34'31	29°48	1♌14	25°52	19°17	17° 9	22°41	2°31	23°55	0°34	25°59	24° 7	24°27	2°43	F 27
S 28	20 51 21	11°32'09	11♒41	3°14	26°55	19°55	17°20	22°37	2°30	23°57	0°34	25°53	24° 4	24°34	2°49	S 28
S 29	20 55 17	12°29'48	23°38	5°15	27°58	20°34	17°32	22°33	2°28	23°59	0°34	25°45	24° 1	24°40	2°54	S 29
M30	20 59 14	13°27'29	5♓43	7°17	29° 0	21°13	17°44	22°28	2°27	24° 1	0°33	25°36	23°58	24°47	2°59	M30
T 31	21 3 10	14♌25'11	17♓55	9♌18	0♎ 3	21♋51	17♍56	22♒24	2♈26	24♋ 3	0♐33	25♊27	23♊55	24♉54	3♋ 4	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n37	20s15	3s55	19n24	4s 8	13n42	1n20	24n15	0n44	8n 0	1n13	14s53	1s31	0n26	0s44	21n15	0s19	9s35	11n 3	23n29	23n28	24s 2	18n 5	5s27
M 2	22 30	16 59	4 33	19 35	3 57	13 16	1 17	24 15	0 45	7 56	1 12	14 55	1 31	0 26	0 44	21 15	0 19	9 35	11 3	23 29	23 27	24 2	18 5	5 27
T 3	22 22	12 59	5 0	19 46	3 46	12 49	1 14	24 14	0 45	7 52	1 12	14 56	1 31	0 26	0 44	21 15	0 19	9 35	11 3	23 29	23 27	24 2	18 5	5 27
W 4	22 15	8 26	5 13	19 58	3 34	12 23	1 11	24 14	0 46	7 48	1 12	14 57	1 31	0 26	0 44	21 14	0 19	9 35	11 2	23 29	23 27	24 1	18 4	5 28
T 5	22 7	3 27	5 12	20 11	3 21	11 56	1 8	24 13	0 46	7 44	1 12	14 58	1 32	0 26	0 44	21 14	0 19	9 36	11 2	23 29	23 27	24 1	18 4	5 28
F 6	21 58	1n47	4 56	20 24	3 8	11 28	1 5	24 12	0 47	7 40	1 12	15 0	1 32	0 26	0 44	21 14	0 19	9 36	11 2	23 29	23 27	24 1	18 4	5 28
S 7	21 49	7 5	4 25	20 37	2 54	11 1	1 2	24 10	0 47	7 36	1 12	15 1	1 32	0 26	0 44	21 13	0 19	9 36	11 1	23 29	23 27	24 0	18 4	5 28
S 8	21 40	12 13	3 38	20 51	2 39	10 33	0 58	24 9	0 48	7 32	1 12	15 2	1 32	0 26	0 44	21 13	0 19	9 36	11 1	23 29	23 27	24 0	18 3	5 28
M 9	21 31	16 54	2 37	21 4	2 25	10 5	0 55	24 7	0 48	7 28	1 12	15 3	1 32	0 25	0 44	21 12	0 19	9 36	11 0	23 29	23 27	24 0	18 3	5 29
T 10	21 21	20 45	1 25	21 17	2 10	9 37	0 51	24 5	0 49	7 24	1 11	15 5	1 32	0 25	0 44	21 12	0 19	9 37	11 0	23 29	23 27	23 59	18 3	5 29
W11	21 10	23 22	0 5	21 30	1 55	9 9	0 48	24 3	0 49	7 20	1 11	15 6	1 33	0 25	0 44	21 12	0 19	9 37	11 0	23 29	23 26	23 59	18 3	5 29
T 12	21 0	24 23	1n16	21 42	1 40	8 40	0 44	24 1	0 50	7 16	1 11	15 8	1 33	0 25	0 44	21 11	0 19	9 37	10 59	23 29	23 26	23 59	18 2	5 29
F 13	20 49	23 36	2 33	21 53	1 25	8 11	0 40	23 59	0 50	7 12	1 11	15 9	1 33	0 24	0 44	21 11	0 19	9 37	10 59	23 29	23 26	23 58	18 2	5 30
S 14	20 37	21 5	3 40	22 4	1 10	7 42	0 36	23 56	0 51	7 8	1 11	15 10	1 33	0 24	0 45	21 11	0 19	9 38	10 58	23 29	23 26	23 58	18 2	5 30
S 15	20 26	17 8	4 30	22 12	0 56	7 13	0 32	23 53	0 51	7 3	1 11	15 12	1 33	0 24	0 45	21 10	0 19	9 38	10 58	23 29	23 26	23 58	18 1	5 30
M16	20 14	12 12	5 1	22 20	0 41	6 44	0 28	23 50	0 52	6 59	1 11	15 13	1 33	0 24	0 45	21 10	0 19	9 38	10 58	23 29	23 26	23 57	18 1	5 31
T 17	20 1	6 43	5 12	22 26	0 27	6 15	0 24	23 47	0 52	6 55	1 11	15 15	1 34	0 23	0 45	21 10	0 19	9 39	10 57	23 29	23 26	23 57	18 1	5 31
W18	19 48	1 4	5 4	22 29	0 14	5 45	0 19	23 43	0 52	6 50	1 11	15 16	1 34	0 23	0 45	21 9	0 19	9 39	10 57	23 29	23 26	23 56	18 0	5 31
T 19	19 35	4s27	4 40	22 31	0 1	5 16	0 15	23 40	0 53	6 46	1 10	15 18	1 34	0 23	0 45	21 9	0 19	9 39	10 56	23 29	23 25	23 56	18 0	5 31
F 20	19 22	9 36	4 1	22 31	0n12	4 46	0 10	23 36	0 53	6 41	1 10	15 19	1 34	0 22	0 45	21 8	0 19	9 39	10 56	23 29	23 25	23 56	17 59	5 32
S 21	19 8	14 12	3 12	22 28	0 24	4 16	0 5	23 32	0 54	6 37	1 10	15 21	1 34	0 22	0 45	21 8	0 19	9 40	10 55	23 29	23 25	23 55	17 59	5 32
S 22	18 54	18 6	2 16	22 22	0 35	3 47	0 1	23 28	0 54	6 33	1 10	15 22	1 34	0 21	0 45	21 8	0 19	9 40	10 55	23 29	23 25	23 55	17 59	5 32
M23	18 40	21 10	1 14	22 14	0 45	3 17	0s 4	23 24	0 55	6 28	1 10	15 24	1 34	0 21	0 45	21 7	0 19	9 40	10 55	23 29	23 25	23 54	17 58	5 33
T 24	18 25	23 15	0 9	22 3	0 55	2 47	0 9	23 19	0 55	6 24	1 10	15 25	1 34	0 20	0 45	21 7	0 19	9 41	10 54	23 29	23 25	23 54	17 58	5 33
W25	18 10	24 18	0s55	21 50	1 4	2 17	0 14	23 14	0 56	6 19	1 10	15 27	1 35	0 20	0 45	21 7	0 19	9 41	10 54	23 29	23 25	23 54	17 57	5 33
T 26	17 55	24 14	1 56	21 34	1 12	1 47	0 19	23 10	0 56	6 14	1 10	15 28	1 35	0 20	0 45	21 6	0 19	9 42	10 53	23 29	23 24	23 53	17 57	5 34
F 27	17 39	23 5	2 52	21 15	1 19	1 17	0 24	23 5	0 57	6 10	1 10	15 30	1 35	0 19	0 45	21 6	0 19	9 42	10 53	23 28	23 24	23 53	17 57	5 34
S 28	17 24	20 53	3 41	20 54	1 25	0 47	0 29	22 59	0 57	6 5	1 10	15 32	1 35	0 19	0 45	21 6	0 19	9 42	10 52	23 28	23 24	23 52	17 56	5 34
S 29	17 7	17 47	4 21	20 30	1 31	0 17	0 35	22 54	0 57	6 1	1 9	15 33	1 35	0 18	0 45	21 5	0 19	9 43	10 52	23 28	23 24	23 52	17 56	5 35
M30	16 51	13 55	4 49	20 4	1 35	0s13	0 40	22 48	0 58	5 56	1 9	15 35	1 35	0 17	0 45	21 5	0 19	9 43	10 52	23 28	23 24	23 51	17 55	5 35
T 31	16n34	9s27	5s 4	19n35	1n39	0s43	0s46	22n43	0n58	5n51	1n 9	15s36	1s35	0n17	0s45	21n 4	0s19	9s43	10n51	23n27	23n24	23s51	17n55	5s35

Julian Day Number = 2180358.5, Delta T = 11m33s
Ecliptic obliquity = 23°32'09, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'09, Lahiri = 13°30'09 Julian Calendar 1 July 1257 == Greg. Calendar 8 July 1257

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

AUGUST 1257 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 7 7	15♌22'55	0♈17	11♌20	1♎ 5	22♋30	18♍ 7	22°R19	2°R24	24♋ 5	0°R33	25°R19	23♊51	25♉ 0	3♋ 9	W 1
T 2	21 11 3	16°20'40	12°51	13°21	2° 7	23° 8	18°19	22♒15	2♈23	24° 7	0♐33	25♊13	23°48	25° 7	3°14	T 2
F 3	21 15 0	17°18'27	25°39	15°22	3° 8	23°47	18°31	22°10	2°21	24°10	0°33	25° 8	23°45	25°14	3°19	F 3
S 4	21 18 57	18°16'16	8♉43	17°22	4°10	24°25	18°43	22° 6	2°20	24°12	0°D33	25° 6	23°42	25°20	3°24	S 4
S 5	21 22 53	19°14'07	22° 6	19°21	5°11	25° 3	18°55	22° 1	2°18	24°14	0°33	25°D 6	23°39	25°27	3°29	S 5
M 6	21 26 50	20°11'59	5♊50	21°19	6°11	25°42	19° 7	21°56	2°17	24°16	0°33	25° 6	23°36	25°34	3°33	M 6
T 7	21 30 46	21° 9'53	19°55	23°16	7°12	26°20	19°19	21°52	2°15	24°18	0°33	25°R 7	23°32	25°40	3°38	T 7
W 8	21 34 43	22° 7'50	4♋23	25°12	8°12	26°58	19°32	21°47	2°13	24°20	0°33	25° 7	23°29	25°47	3°43	W 8
T 9	21 38 39	23° 5'48	19°10	27° 7	9°11	27°37	19°44	21°43	2°12	24°22	0°33	25° 5	23°26	25°54	3°47	T 9
F 10	21 42 36	24° 3'48	4♌11	29° 1	10°11	28°15	19°56	21°38	2°10	24°24	0°34	25° 0	23°23	26° 0	3°52	F 10
S 11	21 46 32	25° 1'49	19°17	0♍53	11°10	28°53	20° 8	21°34	2° 8	24°26	0°34	24°53	23°20	26° 7	3°57	S 11
S 12	21 50 29	25°59'52	4♍19	2°45	12° 8	29°31	20°21	21°29	2° 6	24°28	0°34	24°45	23°17	26°14	4° 1	S 12
M13	21 54 26	26°57'57	19° 8	4°35	13° 7	0♌10	20°33	21°25	2° 5	24°30	0°34	24°35	23°13	26°20	4° 6	M13
T 14	21 58 22	27°56'03	3♎34	6°23	14° 5	0°48	20°45	21°20	2° 3	24°32	0°35	24°26	23°10	26°27	4°10	T 14
W15	22 2 19	28°54'11	17°34	8°11	15° 2	1°26	20°58	21°16	2° 1	24°34	0°35	24°18	23° 7	26°34	4°14	W15
T 16	22 6 15	29°52'20	1♏ 5	9°57	15°59	2° 4	21°10	21°11	1°59	24°35	0°35	24°13	23° 4	26°40	4°19	T 16
F 17	22 10 12	0♍50'31	14° 8	11°42	16°56	2°42	21°23	21° 7	1°57	24°37	0°36	24° 9	23° 1	26°47	4°23	F 17
S 18	22 14 8	1°48'44	26°46	13°26	17°52	3°20	21°36	21° 2	1°55	24°39	0°36	24°D 8	22°57	26°54	4°27	S 18
S 19	22 18 5	2°46'58	9♐ 4	15° 9	18°47	3°58	21°48	20°58	1°53	24°41	0°37	24° 8	22°54	27° 0	4°31	S 19
M20	22 22 1	3°45'13	21° 7	16°50	19°42	4°36	22° 1	20°53	1°51	24°43	0°37	24°R 8	22°51	27° 7	4°35	M20
T 21	22 25 58	4°43'30	3♑ 0	18°30	20°37	5°14	22°13	20°49	1°49	24°45	0°38	24° 8	22°48	27°14	4°39	T 21
W22	22 29 55	5°41'49	14°49	20°10	21°31	5°52	22°26	20°45	1°47	24°46	0°38	24° 6	22°45	27°20	4°43	W22
T 23	22 33 51	6°40'09	26°37	21°47	22°24	6°30	22°39	20°40	1°45	24°48	0°39	24° 2	22°42	27°27	4°47	T 23
F 24	22 37 48	7°38'31	8♒29	23°24	23°17	7° 7	22°52	20°36	1°43	24°50	0°40	23°55	22°38	27°34	4°51	F 24
S 25	22 41 44	8°36'55	20°27	25° 0	24°10	7°45	23° 4	20°32	1°40	24°52	0°40	23°45	22°35	27°40	4°54	S 25
S 26	22 45 41	9°35'20	2♓33	26°35	25° 1	8°23	23°17	20°28	1°38	24°53	0°41	23°33	22°32	27°47	4°58	S 26
M27	22 49 37	10°33'47	14°50	28° 8	25°52	9° 1	23°30	20°23	1°36	24°55	0°42	23°20	22°29	27°54	5° 1	M27
T 28	22 53 34	11°32'17	27°17	29°41	26°43	9°38	23°43	20°19	1°34	24°57	0°42	23° 7	22°26	28° 0	5° 5	T 28
W29	22 57 30	12°30'48	9♈54	1♎12	27°32	10°16	23°56	20°15	1°32	24°58	0°43	22°55	22°23	28° 7	5° 8	W29
T 30	23 1 27	13°29'21	22°43	2°42	28°21	10°54	24° 8	20°11	1°29	25° 0	0°44	22°45	22°19	28°14	5°12	T 30
F 31	23 5 23	14♍27'56	5♉42	4♎12	29♎ 9	11♌31	24♍21	20♒ 7	1♈27	25♋ 2	0♐45	22♊37	22♊16	28♉20	5♋15	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n17	4s33	5s 6	19n 5	1n42	1s13	0s51	22n37	0n59	5n47	1n 9	15s38	1s35	0n16	0s45	21n 4	0s19	9s44	10n51	23n27	23n24	23s50	17n54	5s36
T 2	16 0	0n36	4 53	18 33	1 44	1 43	0 57	22 31	0 59	5 42	1 9	15 39	1 35	0 16	0 45	21 4	0 19	9 44	10 50	23 27	23 23	23 50	17 54	5 36
F 3	15 43	5 51	4 25	17 58	1 46	2 13	1 3	22 25	1 0	5 37	1 9	15 41	1 36	0 15	0 45	21 3	0 19	9 45	10 50	23 27	23 23	23 49	17 53	5 37
S 4	15 25	10 57	3 43	17 23	1 46	2 42	1 8	22 18	1 0	5 32	1 9	15 42	1 36	0 14	0 45	21 3	0 19	9 45	10 49	23 27	23 23	23 49	17 53	5 37
S 5	15 7	15 40	2 48	16 46	1 46	3 12	1 14	22 12	1 0	5 27	1 9	15 44	1 36	0 14	0 45	21 3	0 19	9 46	10 49	23 27	23 23	23 48	17 52	5 37
M 6	14 49	19 42	1 42	16 7	1 46	3 42	1 20	22 5	1 1	5 23	1 9	15 46	1 36	0 13	0 45	21 2	0 19	9 46	10 48	23 27	23 23	23 48	17 52	5 38
T 7	14 30	22 41	0 28	15 27	1 44	4 11	1 26	21 58	1 1	5 18	1 9	15 47	1 36	0 12	0 45	21 2	0 19	9 46	10 48	23 27	23 23	23 47	17 51	5 38
W 8	14 11	24 17	0n50	14 47	1 42	4 40	1 32	21 51	1 2	5 13	1 9	15 49	1 36	0 12	0 45	21 2	0 19	9 47	10 48	23 27	23 23	23 47	17 50	5 39
T 9	13 52	24 13	2 5	14 5	1 40	5 10	1 38	21 44	1 2	5 8	1 9	15 50	1 36	0 11	0 45	21 1	0 19	9 47	10 47	23 27	23 22	23 46	17 50	5 39
F 10	13 33	22 25	3 13	13 23	1 37	5 39	1 44	21 37	1 3	5 3	1 9	15 52	1 36	0 10	0 45	21 1	0 19	9 48	10 47	23 26	23 22	23 46	17 49	5 40
S 11	13 14	19 1	4 8	12 40	1 34	6 8	1 51	21 29	1 3	4 58	1 9	15 53	1 36	0 10	0 45	21 1	0 19	9 48	10 46	23 26	23 22	23 45	17 49	5 40
S 12	12 54	14 23	4 45	11 56	1 30	6 37	1 57	21 22	1 3	4 53	1 9	15 55	1 36	0 9	0 45	21 0	0 19	9 49	10 46	23 26	23 22	23 45	17 48	5 40
M13	12 34	8 57	5 3	11 12	1 26	7 5	2 3	21 14	1 4	4 48	1 8	15 56	1 36	0 8	0 45	21 0	0 19	9 49	10 45	23 25	23 22	23 44	17 48	5 41
T 14	12 14	3 10	5 0	10 28	1 21	7 34	2 10	21 6	1 4	4 43	1 8	15 58	1 36	0 7	0 45	21 0	0 19	9 50	10 45	23 25	23 22	23 43	17 47	5 41
W15	11 54	2s37	4 40	9 43	1 17	8 2	2 16	20 58	1 5	4 38	1 8	15 59	1 36	0 7	0 45	20 59	0 19	9 50	10 44	23 25	23 21	23 43	17 46	5 42
T 16	11 34	8 5	4 4	8 58	1 11	8 30	2 23	20 50	1 5	4 33	1 8	16 1	1 36	0 6	0 45	20 59	0 19	9 51	10 44	23 25	23 21	23 42	17 46	5 42
F 17	11 13	13 1	3 16	8 13	1 6	8 58	2 29	20 42	1 5	4 28	1 8	16 2	1 36	0 5	0 45	20 59	0 19	9 51	10 44	23 24	23 21	23 42	17 45	5 43
S 18	10 52	17 14	2 20	7 28	1 0	9 26	2 36	20 33	1 6	4 23	1 8	16 4	1 37	0 4	0 45	20 58	0 19	9 52	10 43	23 24	23 21	23 41	17 45	5 43
S 19	10 31	20 35	1 19	6 42	0 54	9 53	2 42	20 25	1 6	4 18	1 8	16 5	1 37	0 3	0 45	20 58	0 19	9 52	10 43	23 24	23 21	23 41	17 44	5 44
M20	10 10	22 58	0 16	5 57	0 48	10 21	2 49	20 16	1 7	4 13	1 8	16 7	1 37	0 3	0 45	20 58	0 19	9 53	10 42	23 24	23 21	23 40	17 43	5 44
T 21	9 49	24 17	0s47	5 12	0 41	10 48	2 56	20 7	1 7	4 8	1 8	16 8	1 37	0 2	0 45	20 57	0 19	9 54	10 42	23 24	23 20	23 39	17 43	5 45
W22	9 28	24 29	1 48	4 27	0 34	11 14	3 2	19 58	1 7	4 3	1 8	16 10	1 37	0 1	0 45	20 57	0 19	9 54	10 41	23 24	23 20	23 39	17 42	5 45
T 23	9 6	23 35	2 43	3 41	0 28	11 41	3 9	19 49	1 8	3 58	1 8	16 11	1 37	0 0	0 45	20 57	0 19	9 55	10 41	23 24	23 20	23 38	17 42	5 46
F 24	8 44	21 38	3 32	2 57	0 21	12 7	3 16	19 40	1 8	3 53	1 8	16 13	1 37	0s 1	0 45	20 56	0 19	9 55	10 40	23 24	23 20	23 37	17 41	5 46
S 25	8 22	18 43	4 12	2 12	0 13	12 33	3 23	19 31	1 9	3 48	1 8	16 14	1 37	0 2	0 46	20 56	0 19	9 56	10 40	23 23	23 20	23 37	17 40	5 47
S 26	8 0	14 58	4 41	1 28	0 6	12 58	3 30	19 21	1 9	3 43	1 8	16 15	1 37	0 3	0 46	20 56	0 19	9 56	10 40	23 23	23 19	23 36	17 40	5 47
M27	7 38	10 34	4 57	0 43	0s 1	13 23	3 36	19 12	1 9	3 38	1 8	16 17	1 37	0 3	0 46	20 55	0 19	9 57	10 39	23 22	23 19	23 36	17 39	5 48
T 28	7 16	5 40	5 0	0s 0	0 9	13 48	3 43	19 2	1 10	3 33	1 8	16 18	1 37	0 4	0 46	20 55	0 19	9 58	10 39	23 21	23 19	23 35	17 38	5 48
W29	6 53	0 28	4 48	0 44	0 16	14 13	3 50	18 52	1 10	3 28	1 8	16 19	1 37	0 5	0 46	20 55	0 19	9 58	10 38	23 21	23 19	23 34	17 38	5 49
T 30	6 31	4n50	4 21	1 27	0 24	14 37	3 57	18 42	1 11	3 22	1 8	16 21	1 37	0 6	0 46	20 55	0 19	9 59	10 38	23 20	23 19	23 34	17 37	5 49
F 31	6n 8	10n 1	3s40	2s 9	0s32	15s 1	4s 4	18n32	1n11	3n17	1n 8	16s22	1s37	0s 7	0s46	20n54	0s19	9s59	10n37	23n20	23n19	23s33	17n36	5s50

Julian Day Number = 2180389.5, Delta T = 11m33s
Ecliptic obliquity = 23°32'09, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'13, Lahiri = 13°30'13 Julian Calendar 1 Aug. 1257 == Greg. Calendar 8 Aug. 1257

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

SEPTEMBER 1257 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 9 20	15♍26'34	18♉55	5♎40	29♎57	12♌ 9	24♍34	20°R 3	1°R25	25♋ 3	0♐46	22°R33	22♊13	28♉27	5♋18	S 1
S 2	23 13 17	16°25'14	2♊20	7° 7	0♏43	12°46	24°47	20♒ 0	1♈22	25° 5	0°47	22♊31	22°10	28°34	5°21	S 2
M 3	23 17 13	17°23'56	16° 0	8°33	1°29	13°24	25° 0	19°56	1°20	25° 6	0°48	22°30	22° 7	28°40	5°25	M 3
T 4	23 21 10	18°22'41	29°57	9°58	2°14	14° 1	25°13	19°52	1°18	25° 8	0°49	22°30	22° 3	28°47	5°28	T 4
W 5	23 25 6	19°21'28	14♋ 9	11°22	2°58	14°39	25°26	19°48	1°15	25° 9	0°50	22°29	22° 0	28°54	5°31	W 5
T 6	23 29 3	20°20'17	28°37	12°44	3°41	15°16	25°39	19°45	1°13	25°11	0°51	22°26	21°57	29° 0	5°33	T 6
F 7	23 32 59	21°19'09	13♌17	14° 5	4°23	15°54	25°52	19°41	1°11	25°12	0°52	22°20	21°54	29° 7	5°36	F 7
S 8	23 36 56	22°18'03	28° 3	15°26	5° 4	16°31	26° 5	19°38	1° 8	25°14	0°53	22°12	21°51	29°14	5°39	S 8
S 9	23 40 53	23°16'58	12♍48	16°44	5°44	17° 8	26°18	19°34	1° 6	25°15	0°54	22° 1	21°48	29°21	5°42	S 9
M10	23 44 49	24°15'56	27°24	18° 2	6°23	17°46	26°31	19°31	1° 3	25°16	0°55	21°49	21°44	29°27	5°44	M10
T 11	23 48 46	25°14'56	11♎43	19°18	7° 1	18°23	26°44	19°28	1° 1	25°18	0°56	21°37	21°41	29°34	5°47	T 11
W12	23 52 42	26°13'58	25°39	20°33	7°38	19° 0	26°57	19°25	0°59	25°19	0°58	21°27	21°38	29°41	5°49	W12
T 13	23 56 39	27°13'02	9♏10	21°46	8°13	19°37	27°10	19°21	0°56	25°20	0°59	21°19	21°35	29°47	5°51	T 13
F 14	0 0 35	28°12'08	22°14	22°57	8°47	20°15	27°23	19°18	0°54	25°21	1° 0	21°14	21°32	29°54	5°54	F 14
S 15	0 4 32	29°11'15	4♐54	24° 7	9°20	20°52	27°36	19°15	0°51	25°23	1° 2	21°11	21°28	0♒ 1	5°56	S 15
S 16	0 8 28	0♎10'25	17°14	25°14	9°51	21°29	27°49	19°13	0°49	25°24	1° 3	21°D11	21°25	0° 7	5°58	S 16
M17	0 12 25	1° 9'36	29°18	26°20	10°21	22° 6	28° 2	19°10	0°46	25°25	1° 4	21°R11	21°22	0°14	6° 0	M17
T 18	0 16 21	2° 8'49	11♑12	27°23	10°49	22°43	28°15	19° 7	0°44	25°26	1° 6	21°10	21°19	0°21	6° 2	T 18
W19	0 20 18	3° 8'04	23° 1	28°24	11°16	23°20	28°28	19° 4	0°42	25°27	1° 7	21° 9	21°16	0°27	6° 4	W19
T 20	0 24 15	4° 7'21	4♒51	29°23	11°41	23°57	28°41	19° 2	0°39	25°28	1° 9	21° 5	21°13	0°34	6° 5	T 20
F 21	0 28 11	5° 6'40	16°46	0♏18	12° 5	24°34	28°54	18°59	0°37	25°29	1°10	20°58	21° 9	0°41	6° 7	F 21
S 22	0 32 8	6° 6'00	28°50	1°11	12°26	25°11	29° 7	18°57	0°34	25°30	1°12	20°49	21° 6	0°47	6° 9	S 22
S 23	0 36 4	7° 5'22	11♓ 5	2° 0	12°46	25°48	29°20	18°55	0°32	25°31	1°13	20°38	21° 3	0°54	6°10	S 23
M24	0 40 1	8° 4'46	23°35	2°45	13° 4	26°25	29°33	18°53	0°29	25°32	1°15	20°26	21° 0	1° 1	6°11	M24
T 25	0 43 57	9° 4'13	6♈18	3°26	13°20	27° 1	29°46	18°50	0°27	25°33	1°16	20°13	20°57	1° 7	6°13	T 25
W26	0 47 54	10° 3'41	19°15	4° 3	13°34	27°38	29°59	18°48	0°25	25°34	1°18	20° 1	20°54	1°14	6°14	W26
T 27	0 51 50	11° 3'11	2♉24	4°34	13°46	28°15	0♎12	18°47	0°22	25°35	1°19	19°51	20°50	1°21	6°15	T 27
F 28	0 55 47	12° 2'44	15°45	5° 1	13°55	28°52	0°25	18°45	0°20	25°35	1°21	19°44	20°47	1°27	6°16	F 28
S 29	0 59 44	13° 2'19	29°16	5°21	14° 3	29°28	0°38	18°43	0°18	25°36	1°23	19°40	20°44	1°34	6°17	S 29
S 30	1 3 40	14♎ 1'56	12♊56	5♏35	14♏ 8	0♍ 5	0♎51	18♒41	0♈15	25♋37	1♐24	19♊38	20♊41	1♒41	6♋18	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n46	14n50	2s48	2s52	0s39	15s24	4s11	18n22	1n11	3n12	1n 8	16s23	1s37	0s 8	0s46	20n54	0s19	10s 0	10n37	23n20	23n18	23s32	17n36	5s50
S 2	5 23	19 0	1 45	3 33	0 47	15 47	4 17	18 12	1 12	3 7	1 8	16 24	1 37	0 9	0 46	20 54	0 19	10 0	10 36	23 19	23 18	23 31	17 35	5 51
M 3	5 0	22 14	0 34	4 15	0 55	16 10	4 24	18 1	1 12	3 2	1 8	16 25	1 37	0 10	0 46	20 53	0 19	10 1	10 36	23 19	23 18	23 31	17 34	5 51
T 4	4 37	24 11	0n39	4 55	1 3	16 32	4 31	17 51	1 13	2 57	1 8	16 27	1 37	0 11	0 46	20 53	0 19	10 2	10 36	23 19	23 18	23 30	17 34	5 52
W 5	4 14	24 38	1 52	5 35	1 10	16 54	4 38	17 40	1 13	2 51	1 8	16 28	1 37	0 12	0 46	20 53	0 19	10 2	10 35	23 19	23 18	23 29	17 33	5 53
T 6	3 51	23 26	2 58	6 15	1 18	17 15	4 44	17 29	1 13	2 46	1 8	16 29	1 37	0 13	0 46	20 53	0 19	10 3	10 35	23 19	23 17	23 29	17 32	5 53
F 7	3 27	20 38	3 54	6 54	1 26	17 36	4 51	17 18	1 14	2 41	1 8	16 30	1 37	0 14	0 46	20 52	0 19	10 4	10 34	23 19	23 17	23 28	17 32	5 54
S 8	3 4	16 29	4 34	7 32	1 33	17 56	4 58	17 8	1 14	2 36	1 8	16 31	1 37	0 15	0 46	20 52	0 19	10 4	10 34	23 18	23 17	23 27	17 31	5 54
S 9	2 41	11 20	4 56	8 9	1 41	18 16	5 4	16 57	1 14	2 31	1 8	16 32	1 37	0 16	0 46	20 52	0 19	10 5	10 34	23 18	23 17	23 26	17 30	5 55
M10	2 17	5 36	4 59	8 46	1 48	18 35	5 11	16 45	1 15	2 26	1 8	16 33	1 37	0 16	0 46	20 52	0 19	10 5	10 33	23 17	23 17	23 26	17 30	5 55
T 11	1 54	0s19	4 42	9 22	1 55	18 54	5 17	16 34	1 15	2 20	1 8	16 34	1 37	0 17	0 46	20 51	0 19	10 6	10 33	23 16	23 16	23 25	17 29	5 56
W12	1 30	6 5	4 9	9 57	2 3	19 12	5 23	16 23	1 16	2 15	1 8	16 35	1 37	0 18	0 46	20 51	0 19	10 7	10 32	23 16	23 16	23 24	17 28	5 57
T 13	1 7	11 24	3 23	10 31	2 10	19 30	5 30	16 12	1 16	2 10	1 8	16 36	1 36	0 19	0 46	20 51	0 19	10 7	10 32	23 15	23 16	23 23	17 27	5 57
F 14	0 43	16 2	2 27	11 4	2 17	19 47	5 36	16 0	1 16	2 5	1 8	16 37	1 36	0 20	0 46	20 51	0 19	10 8	10 31	23 15	23 16	23 23	17 27	5 58
S 15	0 19	19 48	1 25	11 36	2 23	20 3	5 42	15 49	1 17	2 0	1 8	16 38	1 36	0 21	0 46	20 50	0 19	10 9	10 31	23 15	23 16	23 22	17 26	5 58
S 16	0s 4	22 34	0 21	12 7	2 30	20 19	5 48	15 37	1 17	1 54	1 8	16 39	1 36	0 22	0 46	20 50	0 19	10 9	10 31	23 14	23 15	23 21	17 25	5 59
M17	0 28	24 15	0s43	12 37	2 36	20 34	5 54	15 25	1 17	1 49	1 8	16 40	1 36	0 23	0 46	20 50	0 19	10 10	10 30	23 14	23 15	23 20	17 25	6 0
T 18	0 51	24 47	1 44	13 6	2 42	20 49	5 59	15 13	1 18	1 44	1 8	16 40	1 36	0 24	0 46	20 50	0 19	10 11	10 30	23 14	23 15	23 20	17 24	6 0
W19	1 15	24 12	2 40	13 33	2 48	21 2	6 5	15 1	1 18	1 39	1 8	16 41	1 36	0 25	0 46	20 50	0 19	10 11	10 30	23 14	23 15	23 19	17 23	6 1
T 20	1 39	22 31	3 30	13 59	2 53	21 15	6 10	14 50	1 19	1 34	1 8	16 42	1 36	0 26	0 46	20 49	0 19	10 12	10 29	23 14	23 15	23 18	17 23	6 1
F 21	2 2	19 50	4 10	14 24	2 58	21 28	6 15	14 37	1 19	1 29	1 8	16 43	1 36	0 27	0 46	20 49	0 19	10 13	10 29	23 14	23 14	23 17	17 22	6 2
S 22	2 26	16 17	4 40	14 46	3 2	21 39	6 20	14 25	1 19	1 23	1 8	16 43	1 36	0 28	0 46	20 49	0 19	10 13	10 28	23 13	23 14	23 16	17 21	6 3
S 23	2 50	12 1	4 57	15 7	3 6	21 50	6 25	14 13	1 20	1 18	1 8	16 44	1 36	0 29	0 46	20 49	0 19	10 14	10 28	23 12	23 14	23 16	17 21	6 3
M24	3 13	7 10	5 1	15 26	3 10	22 0	6 29	14 1	1 20	1 13	1 8	16 45	1 36	0 30	0 46	20 49	0 19	10 14	10 28	23 11	23 14	23 15	17 20	6 4
T 25	3 37	1 55	4 50	15 43	3 12	22 8	6 33	13 49	1 20	1 8	1 8	16 45	1 36	0 31	0 46	20 49	0 19	10 15	10 27	23 10	23 14	23 14	17 19	6 5
W26	4 0	3n30	4 24	15 58	3 15	22 16	6 37	13 36	1 21	1 3	1 8	16 46	1 36	0 32	0 46	20 48	0 19	10 16	10 27	23 10	23 13	23 13	17 19	6 5
T 27	4 23	8 52	3 43	16 10	3 16	22 23	6 41	13 24	1 21	0 58	1 8	16 46	1 36	0 33	0 46	20 48	0 19	10 16	10 27	23 9	23 13	23 12	17 18	6 6
F 28	4 47	13 55	2 50	16 20	3 17	22 29	6 44	13 11	1 21	0 53	1 8	16 47	1 36	0 34	0 46	20 48	0 19	10 17	10 26	23 8	23 13	23 11	17 17	6 6
S 29	5 10	18 21	1 46	16 26	3 16	22 34	6 47	12 59	1 22	0 48	1 8	16 47	1 36	0 35	0 45	20 48	0 19	10 18	10 26	23 8	23 13	23 10	17 17	6 7
S 30	5s33	21n51	0s36	16s30	3s15	22s38	6s49	12n46	1n22	0n42	1n 8	16s48	1s36	0s36	0s45	20n48	0s19	10s18	10n26	23n 8	23n12	23s10	17n16	6s 8

Julian Day Number = 2180420.5, Delta T = 11m33s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'17, Lahiri = 13°30'18 Julian Calendar 1 Sept. 1257 == Greg. Calendar 8 Sept. 1257

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

OCTOBER 1257 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 7 37	15♎ 1'35	26♊44	5°R42	14♏11	0♍42	1♎ 3	18°R40	0°R13	25♋38	1♐26	19°D38	20♊38	1♒47	6♋19	M 1
T 2	1 11 33	16° 1'17	10♋41	5♏42	14°R12	1°18	1°16	18♒38	0♈11	25°38	1°28	19°R39	20°34	1°54	6°20	T 2
W 3	1 15 30	17° 1'01	24°47	5°33	14°10	1°55	1°29	18°37	0° 8	25°39	1°30	19♊39	20°31	2° 1	6°20	W 3
T 4	1 19 26	18° 0'48	8♌59	5°16	14° 6	2°31	1°42	18°36	0° 6	25°40	1°32	19°37	20°28	2° 7	6°21	T 4
F 5	1 23 23	19° 0'36	23°18	4°50	14° 0	3° 8	1°55	18°35	0° 4	25°40	1°33	19°33	20°25	2°14	6°21	F 5
S 6	1 27 19	20° 0'27	7♍38	4°15	13°51	3°44	2° 7	18°34	0° 2	25°41	1°35	19°26	20°22	2°21	6°22	S 6
S 7	1 31 16	21° 0'20	21°57	3°32	13°40	4°20	2°20	18°33	29♓59	25°41	1°37	19°17	20°19	2°27	6°22	S 7
M 8	1 35 13	22° 0'16	6♎ 7	2°39	13°26	4°57	2°33	18°32	29°57	25°42	1°39	19° 8	20°15	2°34	6°22	M 8
T 9	1 39 9	23° 0'13	20° 6	1°39	13°10	5°33	2°45	18°31	29°55	25°42	1°41	18°58	20°12	2°41	6°R22	T 9
W10	1 43 6	24° 0'12	3♏46	0°31	12°52	6° 9	2°58	18°31	29°53	25°43	1°43	18°50	20° 9	2°47	6°22	W10
T 11	1 47 2	25° 0'13	17° 7	29♎19	12°31	6°46	3°10	18°30	29°51	25°43	1°45	18°43	20° 6	2°54	6°22	T 11
F 12	1 50 59	26° 0'16	0♐ 5	28° 2	12° 8	7°22	3°23	18°30	29°48	25°43	1°47	18°39	20° 3	3° 1	6°22	F 12
S 13	1 54 55	27° 0'21	12°43	26°45	11°43	7°58	3°35	18°29	29°46	25°44	1°49	18°D37	20° 0	3° 8	6°21	S 13
S 14	1 58 52	28° 0'27	25° 3	25°28	11°17	8°34	3°48	18°29	29°44	25°44	1°51	18°37	19°56	3°14	6°21	S 14
M15	2 2 48	29° 0'36	7♑ 8	24°15	10°48	9°10	4° 0	18°29	29°42	25°44	1°53	18°38	19°53	3°21	6°21	M15
T 16	2 6 45	0♏ 0'45	19° 3	23° 8	10°17	9°46	4°13	18°D29	29°40	25°44	1°55	18°40	19°50	3°28	6°20	T 16
W17	2 10 42	1° 0'57	0♒54	22° 8	9°46	10°22	4°25	18°29	29°38	25°45	1°57	18°R40	19°47	3°34	6°19	W17
T 18	2 14 38	2° 1'10	12°44	21°18	9°12	10°58	4°37	18°29	29°36	25°45	1°59	18°39	19°44	3°41	6°19	T 18
F 19	2 18 35	3° 1'24	24°41	20°39	8°38	11°34	4°50	18°30	29°34	25°45	2° 1	18°37	19°40	3°48	6°18	F 19
S 20	2 22 31	4° 1'40	6♓47	20°11	8° 3	12°10	5° 2	18°30	29°33	25°45	2° 3	18°32	19°37	3°54	6°17	S 20
S 21	2 26 28	5° 1'57	19° 7	19°54	7°27	12°46	5°14	18°31	29°31	25°45	2° 5	18°26	19°34	4° 1	6°16	S 21
M22	2 30 24	6° 2'16	1♈45	19°D50	6°50	13°21	5°26	18°31	29°29	25°R45	2° 7	18°19	19°31	4° 8	6°15	M22
T 23	2 34 21	7° 2'37	14°41	19°56	6°14	13°57	5°38	18°32	29°27	25°45	2° 9	18°11	19°28	4°14	6°14	T 23
W24	2 38 17	8° 2'59	27°55	20°13	5°37	14°33	5°50	18°33	29°25	25°45	2°12	18° 4	19°25	4°21	6°13	W24
T 25	2 42 14	9° 3'23	11♉26	20°40	5° 1	15° 8	6° 2	18°34	29°24	25°45	2°14	17°58	19°21	4°28	6°11	T 25
F 26	2 46 10	10° 3'48	25°12	21°16	4°25	15°44	6°14	18°35	29°22	25°45	2°16	17°54	19°18	4°34	6°10	F 26
S 27	2 50 7	11° 4'15	9♊ 9	21°59	3°51	16°19	6°26	18°36	29°20	25°44	2°18	17°52	19°15	4°41	6° 8	S 27
S 28	2 54 4	12° 4'45	23°15	22°50	3°17	16°55	6°37	18°37	29°19	25°44	2°20	17°D52	19°12	4°48	6° 7	S 28
M29	2 58 0	13° 5'16	7♋25	23°47	2°45	17°30	6°49	18°38	29°17	25°44	2°23	17°53	19° 9	4°54	6° 5	M29
T 30	3 1 57	14° 5'48	21°37	24°50	2°14	18° 6	7° 1	18°40	29°16	25°44	2°25	17°55	19° 5	5° 1	6° 3	T 30
W31	3 5 53	15♏ 6'23	5♌48	25♎57	1♏45	18♍41	7♎12	18♒41	29♓14	25♋43	2♐27	17♊56	19♊ 2	5♒ 8	6♋ 1	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s57	24n 8	0n38	16s30	3s12	22s41	6s51	12n33	1n22	0n37	1n 8	16s48	1s35	0s37	0s45	20n48	0s19	10s19	10n25	23n 8	23n12	23s 9	17n15	6s 8
T 2	6 20	24 56	1 50	16 26	3 9	22 43	6 52	12 21	1 23	0 32	1 8	16 49	1 35	0 37	0 45	20 48	0 19	10 20	10 25	23 8	23 12	23 8	17 15	6 9
W 3	6 43	24 8	2 56	16 18	3 3	22 43	6 54	12 8	1 23	0 27	1 8	16 49	1 35	0 38	0 45	20 47	0 19	10 20	10 25	23 8	23 12	23 7	17 14	6 10
T 4	7 6	21 48	3 52	16 6	2 57	22 43	6 54	11 55	1 23	0 22	1 9	16 49	1 35	0 39	0 45	20 47	0 19	10 21	10 24	23 8	23 12	23 6	17 13	6 10
F 5	7 28	18 6	4 33	15 49	2 48	22 41	6 54	11 42	1 24	0 17	1 9	16 50	1 35	0 40	0 45	20 47	0 19	10 22	10 24	23 7	23 11	23 5	17 13	6 11
S 6	7 51	13 21	4 58	15 28	2 38	22 37	6 53	11 29	1 24	0 12	1 9	16 50	1 35	0 41	0 45	20 47	0 19	10 22	10 24	23 7	23 11	23 4	17 12	6 11
S 7	8 14	7 52	5 4	15 2	2 26	22 33	6 52	11 16	1 25	0 7	1 9	16 50	1 35	0 42	0 45	20 47	0 19	10 23	10 23	23 6	23 11	23 3	17 11	6 12
M 8	8 36	2 1	4 51	14 31	2 13	22 27	6 51	11 3	1 25	0 2	1 9	16 50	1 35	0 43	0 45	20 47	0 19	10 24	10 23	23 5	23 11	23 2	17 11	6 13
T 9	8 59	3s51	4 21	13 55	1 57	22 19	6 48	10 50	1 25	0s 3	1 9	16 50	1 35	0 44	0 45	20 47	0 19	10 24	10 23	23 5	23 10	23 2	17 10	6 13
W10	9 21	9 26	3 37	13 16	1 40	22 11	6 45	10 37	1 26	0 8	1 9	16 50	1 35	0 44	0 45	20 47	0 19	10 25	10 22	23 4	23 10	23 1	17 9	6 14
T 11	9 43	14 26	2 41	12 33	1 21	22 1	6 41	10 24	1 26	0 13	1 9	16 51	1 35	0 45	0 45	20 47	0 19	10 26	10 22	23 3	23 10	23 0	17 9	6 15
F 12	10 5	18 39	1 38	11 47	1 2	21 49	6 36	10 10	1 26	0 18	1 9	16 51	1 35	0 46	0 45	20 47	0 19	10 26	10 22	23 3	23 10	22 59	17 8	6 15
S 13	10 27	21 53	0 32	11 0	0 41	21 36	6 31	9 57	1 27	0 23	1 9	16 51	1 34	0 47	0 45	20 47	0 19	10 27	10 22	23 3	23 9	22 58	17 8	6 16
S 14	10 48	24 1	0s35	10 13	0 21	21 22	6 25	9 44	1 27	0 27	1 9	16 51	1 34	0 48	0 45	20 47	0 19	10 28	10 21	23 3	23 9	22 57	17 7	6 16
M15	11 10	24 59	1 38	9 27	0 0	21 6	6 18	9 31	1 27	0 32	1 9	16 51	1 34	0 49	0 45	20 46	0 19	10 28	10 21	23 3	23 9	22 56	17 6	6 17
T 16	11 31	24 46	2 37	8 43	0n20	20 49	6 10	9 17	1 28	0 37	1 9	16 50	1 34	0 49	0 45	20 46	0 19	10 29	10 21	23 3	23 9	22 55	17 6	6 18
W17	11 52	23 25	3 28	8 3	0 39	20 30	6 2	9 4	1 28	0 42	1 9	16 50	1 34	0 50	0 45	20 46	0 19	10 30	10 20	23 3	23 8	22 54	17 5	6 18
T 18	12 13	21 3	4 11	7 28	0 57	20 11	5 53	8 51	1 28	0 47	1 10	16 50	1 34	0 51	0 45	20 46	0 19	10 30	10 20	23 3	23 8	22 53	17 5	6 19
F 19	12 34	17 47	4 43	6 58	1 13	19 50	5 43	8 37	1 29	0 52	1 10	16 50	1 34	0 52	0 45	20 46	0 19	10 31	10 20	23 3	23 8	22 52	17 4	6 19
S 20	12 55	13 44	5 3	6 34	1 27	19 28	5 32	8 24	1 29	0 56	1 10	16 50	1 34	0 52	0 45	20 46	0 19	10 32	10 20	23 2	23 8	22 51	17 4	6 20
S 21	13 15	9 3	5 9	6 16	1 40	19 6	5 21	8 10	1 29	1 1	1 10	16 50	1 34	0 53	0 45	20 46	0 19	10 32	10 19	23 2	23 7	22 50	17 3	6 21
M22	13 35	3 54	5 1	6 5	1 51	18 42	5 9	7 57	1 30	1 6	1 10	16 49	1 34	0 54	0 45	20 46	0 19	10 33	10 19	23 1	23 7	22 49	17 2	6 21
T 23	13 55	1n33	4 37	5 59	2 0	18 18	4 56	7 43	1 30	1 11	1 10	16 49	1 34	0 54	0 45	20 46	0 19	10 33	10 19	23 1	23 7	22 48	17 2	6 22
W24	14 15	7 4	3 58	5 59	2 7	17 53	4 43	7 30	1 30	1 15	1 10	16 49	1 33	0 55	0 45	20 46	0 19	10 34	10 19	23 0	23 7	22 47	17 1	6 22
T 25	14 34	12 23	3 5	6 3	2 12	17 28	4 29	7 16	1 31	1 20	1 10	16 48	1 33	0 56	0 45	20 46	0 19	10 35	10 19	22 59	23 6	22 46	17 1	6 23
F 26	14 54	17 12	2 0	6 13	2 16	17 2	4 15	7 3	1 31	1 24	1 10	16 48	1 33	0 56	0 45	20 46	0 19	10 35	10 18	22 59	23 6	22 45	17 0	6 24
S 27	15 13	21 8	0 47	6 27	2 19	16 37	4 0	6 49	1 31	1 29	1 10	16 47	1 33	0 57	0 45	20 46	0 19	10 36	10 18	22 59	23 6	22 44	17 0	6 24
S 28	15 31	23 51	0n29	6 45	2 20	16 11	3 46	6 36	1 32	1 34	1 11	16 47	1 33	0 58	0 45	20 46	0 19	10 37	10 18	22 59	23 6	22 43	16 59	6 25
M29	15 50	25 4	1 45	7 6	2 20	15 46	3 30	6 22	1 32	1 38	1 11	16 46	1 33	0 58	0 45	20 47	0 19	10 37	10 18	22 59	23 5	22 42	16 59	6 25
T 30	16 8	24 39	2 54	7 29	2 19	15 21	3 15	6 8	1 32	1 43	1 11	16 46	1 33	0 59	0 45	20 47	0 19	10 38	10 17	22 59	23 5	22 41	16 58	6 26
W31	16s26	22n39	3n52	7s55	2n18	14s56	3s 0	5n55	1n33	1s47	1n11	16s45	1s33	0s59	0s45	20n47	0s19	10s38	10n17	22n59	23n 5	22s40	16n58	6s26

Julian Day Number = 2180450.5, Delta T = 11m33s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'21, Lahiri = 13°30'22 Julian Calendar 1 Oct. 1257 == Greg. Calendar 8 Oct. 1257

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

NOVEMBER 1257 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 9 50	16♏ 6'59	19♌57	27♎ 8	1°R17	19♍16	7♎24	18♒43	29°R13	25°R43	2♐29	17°R56	18♊59	5♒15	5°R59	T 1
F 2	3 13 46	17° 7'37	4♍ 3	28°23	0♏52	19°52	7°35	18°45	29♓11	25♋43	2°31	17♊55	18°56	5°21	5♋57	F 2
S 3	3 17 43	18° 8'17	18° 2	29°41	0°29	20°27	7°47	18°47	29°10	25°42	2°34	17°52	18°53	5°28	5°55	S 3
S 4	3 21 40	19° 8'59	1♎54	1♏ 1	0° 8	21° 2	7°58	18°49	29° 9	25°42	2°36	17°49	18°50	5°35	5°53	S 4
M 5	3 25 36	20° 9'42	15°37	2°24	29♎49	21°37	8° 9	18°51	29° 7	25°41	2°38	17°44	18°46	5°41	5°51	M 5
T 6	3 29 33	21°10'27	29° 7	3°48	29°33	22°12	8°20	18°53	29° 6	25°41	2°41	17°40	18°43	5°48	5°49	T 6
W 7	3 33 29	22°11'13	12♏23	5°14	29°19	22°47	8°31	18°55	29° 5	25°40	2°43	17°36	18°40	5°55	5°46	W 7
T 8	3 37 26	23°12'01	25°24	6°41	29° 8	23°22	8°42	18°58	29° 4	25°40	2°45	17°33	18°37	6° 1	5°44	T 8
F 9	3 41 22	24°12'50	8♐ 9	8°10	28°59	23°57	8°53	19° 0	29° 3	25°39	2°47	17°32	18°34	6° 8	5°41	F 9
S 10	3 45 19	25°13'40	20°39	9°39	28°53	24°31	9° 4	19° 3	29° 2	25°39	2°50	17°D31	18°31	6°15	5°39	S 10
S 11	3 49 15	26°14'32	2♑54	11° 9	28°49	25° 6	9°15	19° 5	29° 1	25°38	2°52	17°32	18°27	6°21	5°36	S 11
M12	3 53 12	27°15'24	14°57	12°39	28°D47	25°41	9°26	19° 8	29° 0	25°37	2°54	17°34	18°24	6°28	5°33	M12
T 13	3 57 9	28°16'17	26°52	14°10	28°48	26°15	9°36	19°11	28°59	25°37	2°57	17°35	18°21	6°35	5°30	T 13
W14	4 1 5	29°17'12	8♒43	15°42	28°51	26°50	9°47	19°14	28°58	25°36	2°59	17°37	18°18	6°41	5°27	W14
T 15	4 5 2	0♐18'07	20°33	17°13	28°57	27°24	9°57	19°17	28°57	25°35	3° 1	17°38	18°15	6°48	5°24	T 15
F 16	4 8 58	1°19'03	2♓28	18°45	29° 5	27°59	10° 8	19°20	28°56	25°34	3° 4	17°R38	18°11	6°55	5°21	F 16
S 17	4 12 55	2°20'00	14°33	20°18	29°15	28°33	10°18	19°23	28°56	25°33	3° 6	17°38	18° 8	7° 2	5°18	S 17
S 18	4 16 51	3°20'57	26°53	21°50	29°28	29° 7	10°28	19°27	28°55	25°32	3° 8	17°36	18° 5	7° 8	5°15	S 18
M19	4 20 48	4°21'55	9♈31	23°23	29°42	29°41	10°38	19°30	28°54	25°32	3°11	17°35	18° 2	7°15	5°12	M19
T 20	4 24 44	5°22'54	22°30	24°55	29°59	0♎16	10°48	19°34	28°54	25°31	3°13	17°33	17°59	7°22	5° 9	T 20
W21	4 28 41	6°23'53	5♉52	26°28	0♏17	0°50	10°58	19°37	28°53	25°30	3°15	17°31	17°56	7°28	5° 5	W21
T 22	4 32 38	7°24'54	19°37	28° 1	0°38	1°24	11° 8	19°41	28°53	25°29	3°18	17°30	17°52	7°35	5° 2	T 22
F 23	4 36 34	8°25'55	3♊43	29°34	1° 1	1°57	11°17	19°45	28°52	25°28	3°20	17°29	17°49	7°42	4°58	F 23
S 24	4 40 31	9°26'57	18° 6	1♐ 7	1°25	2°31	11°27	19°49	28°52	25°27	3°22	17°D29	17°46	7°48	4°55	S 24
S 25	4 44 27	10°28'00	2♋40	2°41	1°51	3° 5	11°36	19°53	28°52	25°26	3°25	17°29	17°43	7°55	4°51	S 25
M26	4 48 24	11°29'03	17°19	4°14	2°19	3°39	11°46	19°57	28°51	25°24	3°27	17°30	17°40	8° 2	4°48	M26
T 27	4 52 20	12°30'08	1♌57	5°47	2°49	4°12	11°55	20° 1	28°51	25°23	3°29	17°30	17°37	8° 8	4°44	T 27
W28	4 56 17	13°31'13	16°29	7°21	3°20	4°46	12° 4	20° 5	28°51	25°22	3°31	17°31	17°33	8°15	4°40	W28
T 29	5 0 13	14°32'20	0♍49	8°55	3°53	5°19	12°13	20° 9	28°51	25°21	3°34	17°31	17°30	8°22	4°37	T 29
F 30	5 4 10	15♐33'27	14♍55	10♐29	4♏27	5♎53	12♎22	20♒14	28♓51	25♋20	3♐36	17°R31	17♊27	8♒29	4♋33	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s44	19n15	4n36	8s24	2n15	14s32	2s44	5n41	1n33	1s52	1n11	16s45	1s33	1s 0	0s45	20n47	0s19	10s39	10n17	22n59	23n 5	22s38	16n57	6s27
F 2	17 1	14 46	5 4	8 53	2 12	14 8	2 29	5 28	1 33	1 56	1 11	16 44	1 33	1 0	0 45	20 47	0 19	10 40	10 17	22 59	23 4	22 37	16 57	6 28
S 3	17 18	9 32	5 13	9 25	2 8	13 46	2 13	5 14	1 34	2 0	1 11	16 43	1 33	1 1	0 45	20 47	0 19	10 40	10 17	22 59	23 4	22 36	16 56	6 28
S 4	17 35	3 53	5 3	9 57	2 3	13 24	1 58	5 0	1 34	2 5	1 11	16 43	1 32	1 1	0 45	20 47	0 19	10 41	10 17	22 58	23 4	22 35	16 56	6 29
M 5	17 51	1s55	4 37	10 30	1 59	13 3	1 43	4 47	1 34	2 9	1 12	16 42	1 32	1 2	0 45	20 47	0 19	10 41	10 16	22 58	23 4	22 34	16 56	6 29
T 6	18 8	7 32	3 55	11 4	1 53	12 43	1 28	4 33	1 34	2 13	1 12	16 41	1 32	1 2	0 45	20 47	0 19	10 42	10 16	22 58	23 3	22 33	16 55	6 30
W 7	18 23	12 44	3 1	11 38	1 48	12 25	1 13	4 20	1 35	2 18	1 12	16 40	1 32	1 3	0 45	20 47	0 19	10 42	10 16	22 57	23 3	22 32	16 55	6 30
T 8	18 39	17 16	1 59	12 12	1 42	12 7	0 58	4 6	1 35	2 22	1 12	16 39	1 32	1 3	0 44	20 47	0 19	10 43	10 16	22 57	23 3	22 31	16 54	6 31
F 9	18 54	20 55	0 51	12 47	1 35	11 51	0 44	3 52	1 35	2 26	1 12	16 39	1 32	1 4	0 44	20 47	0 19	10 44	10 16	22 57	23 2	22 30	16 54	6 31
S 10	19 9	23 29	0s17	13 21	1 29	11 36	0 30	3 39	1 36	2 30	1 12	16 38	1 32	1 4	0 44	20 48	0 19	10 44	10 16	22 57	23 2	22 29	16 54	6 32
S 11	19 23	24 54	1 24	13 56	1 22	11 22	0 17	3 25	1 36	2 34	1 12	16 37	1 32	1 4	0 44	20 48	0 19	10 45	10 16	22 57	23 2	22 27	16 53	6 32
M12	19 38	25 6	2 26	14 30	1 16	11 9	0 4	3 12	1 36	2 38	1 13	16 36	1 32	1 5	0 44	20 48	0 19	10 45	10 15	22 57	23 2	22 26	16 53	6 33
T 13	19 51	24 9	3 21	15 4	1 9	10 57	0n 9	2 58	1 37	2 42	1 13	16 35	1 32	1 5	0 44	20 48	0 19	10 46	10 15	22 57	23 1	22 25	16 52	6 33
W14	20 5	22 7	4 6	15 37	1 2	10 47	0 21	2 45	1 37	2 46	1 13	16 34	1 32	1 5	0 44	20 48	0 19	10 46	10 15	22 57	23 1	22 24	16 52	6 34
T 15	20 18	19 9	4 42	16 10	0 55	10 38	0 33	2 31	1 37	2 50	1 13	16 33	1 31	1 6	0 44	20 48	0 19	10 47	10 15	22 57	23 1	22 23	16 52	6 34
F 16	20 30	15 23	5 5	16 42	0 48	10 30	0 45	2 18	1 38	2 54	1 13	16 32	1 31	1 6	0 44	20 48	0 19	10 47	10 15	22 58	23 1	22 22	16 51	6 34
S 17	20 43	10 57	5 16	17 14	0 41	10 23	0 56	2 5	1 38	2 58	1 13	16 31	1 31	1 6	0 44	20 49	0 19	10 48	10 15	22 57	23 0	22 21	16 51	6 35
S 18	20 55	6 1	5 12	17 45	0 34	10 17	1 6	1 51	1 38	3 2	1 13	16 29	1 31	1 6	0 44	20 49	0 19	10 48	10 15	22 57	23 0	22 19	16 51	6 35
M19	21 6	0 43	4 54	18 16	0 27	10 13	1 17	1 38	1 39	3 6	1 14	16 28	1 31	1 7	0 44	20 49	0 19	10 49	10 15	22 57	23 0	22 18	16 51	6 36
T 20	21 17	4n46	4 20	18 46	0 20	10 10	1 27	1 24	1 39	3 10	1 14	16 27	1 31	1 7	0 44	20 49	0 19	10 49	10 15	22 57	22 59	22 17	16 50	6 36
W21	21 28	10 13	3 31	19 14	0 13	10 7	1 36	1 11	1 39	3 13	1 14	16 26	1 31	1 7	0 44	20 49	0 19	10 50	10 15	22 57	22 59	22 16	16 50	6 37
T 22	21 38	15 20	2 28	19 43	0 6	10 6	1 45	0 58	1 39	3 17	1 14	16 25	1 31	1 7	0 44	20 49	0 19	10 50	10 15	22 57	22 59	22 15	16 50	6 37
F 23	21 48	19 44	1 16	20 10	0s 1	10 6	1 54	0 45	1 40	3 21	1 14	16 23	1 31	1 7	0 44	20 50	0 19	10 51	10 14	22 57	22 59	22 13	16 49	6 37
S 24	21 57	23 3	0n 3	20 36	0 8	10 7	2 2	0 31	1 40	3 24	1 14	16 22	1 31	1 7	0 44	20 50	0 19	10 51	10 14	22 57	22 58	22 12	16 49	6 38
S 25	22 6	24 54	1 23	21 1	0 15	10 8	2 10	0 18	1 40	3 28	1 15	16 21	1 31	1 8	0 44	20 50	0 19	10 52	10 14	22 57	22 58	22 11	16 49	6 38
M26	22 15	25 1	2 38	21 26	0 22	10 11	2 17	0 5	1 41	3 31	1 15	16 19	1 31	1 8	0 44	20 50	0 19	10 52	10 14	22 57	22 58	22 10	16 49	6 38
T 27	22 23	23 25	3 43	21 49	0 28	10 14	2 24	0s 8	1 41	3 35	1 15	16 18	1 30	1 8	0 44	20 50	0 19	10 53	10 14	22 57	22 57	22 8	16 49	6 39
W28	22 31	20 17	4 32	22 12	0 35	10 19	2 31	0 21	1 41	3 38	1 15	16 17	1 30	1 8	0 44	20 51	0 19	10 53	10 14	22 57	22 57	22 7	16 48	6 39
T 29	22 38	15 58	5 4	22 33	0 41	10 24	2 37	0 34	1 42	3 41	1 15	16 15	1 30	1 8	0 44	20 51	0 19	10 53	10 14	22 57	22 57	22 6	16 48	6 39
F 30	22s45	10n50	5n17	22s53	0s47	10s29	2n43	0s47	1n42	3s45	1n16	16s14	1s30	1s 8	0s44	20n51	0s19	10s54	10n14	22n57	22n56	22s 5	16n48	6s40

Julian Day Number = 2180481.5, Delta T = 11m32s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'26, Lahiri = 13°30'26 Julian Calendar 1 Nov. 1257 == Greg. Calendar 8 Nov. 1257

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ASTRODIENST EPHEMERIS for the year 1257
geocentric

DECEMBER 1257 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 8 7	16♐34'35	28♍46	12♐ 2	5♏ 3	6♎26	12♎31	20♒18	28°D51	25°R19	3♐38	17°R31	17♊24	8♒35	4°R29	S 1
S 2	5 12 3	17°35'44	12♎22	13°37	5°40	6°59	12°39	20°23	28♓51	25♋17	3°41	17°D31	17°21	8°42	4♋25	S 2
M 3	5 16 0	18°36'53	25°42	15°11	6°18	7°32	12°48	20°27	28°51	25°16	3°43	17♊31	17°17	8°49	4°21	M 3
T 4	5 19 56	19°38'03	8♏47	16°45	6°58	8° 5	12°56	20°32	28°51	25°15	3°45	17°31	17°14	8°55	4°18	T 4
W 5	5 23 53	20°39'14	21°39	18°20	7°39	8°38	13° 4	20°37	28°51	25°13	3°47	17°32	17°11	9° 2	4°14	W 5
T 6	5 27 49	21°40'26	4♐17	19°55	8°21	9°11	13°13	20°41	28°51	25°12	3°50	17°32	17° 8	9° 9	4°10	T 6
F 7	5 31 46	22°41'38	16°44	21°30	9° 4	9°44	13°21	20°46	28°52	25°11	3°52	17°R32	17° 5	9°15	4° 6	F 7
S 8	5 35 42	23°42'50	29° 0	23° 6	9°48	10°16	13°29	20°51	28°52	25° 9	3°54	17°32	17° 2	9°22	4° 2	S 8
S 9	5 39 39	24°44'02	11♑ 7	24°41	10°33	10°49	13°36	20°56	28°53	25° 8	3°56	17°31	16°58	9°29	3°58	S 9
M10	5 43 36	25°45'15	23° 6	26°17	11°19	11°21	13°44	21° 2	28°53	25° 7	3°59	17°31	16°55	9°36	3°54	M10
T 11	5 47 32	26°46'27	4♒59	27°54	12° 6	11°54	13°52	21° 7	28°54	25° 5	4° 1	17°29	16°52	9°42	3°49	T 11
W12	5 51 29	27°47'40	16°49	29°30	12°54	12°26	13°59	21°12	28°54	25° 4	4° 3	17°28	16°49	9°49	3°45	W12
T 13	5 55 25	28°48'52	28°39	1♑ 7	13°43	12°58	14° 6	21°17	28°55	25° 2	4° 5	17°26	16°46	9°56	3°41	T 13
F 14	5 59 22	29°50'04	10♓33	2°44	14°33	13°30	14°13	21°23	28°55	25° 1	4° 7	17°25	16°43	10° 2	3°37	F 14
S 15	6 3 18	0♑51'16	22°36	4°22	15°24	14° 2	14°20	21°28	28°56	24°59	4° 9	17°24	16°39	10° 9	3°33	S 15
S 16	6 7 15	1°52'28	4♈51	6° 0	16°15	14°34	14°27	21°34	28°57	24°58	4°11	17°D24	16°36	10°16	3°29	S 16
M17	6 11 11	2°53'39	17°23	7°38	17° 7	15° 5	14°34	21°40	28°58	24°56	4°14	17°24	16°33	10°22	3°25	M17
T 18	6 15 8	3°54'50	0♉16	9°16	18° 0	15°37	14°40	21°45	28°59	24°55	4°16	17°25	16°30	10°29	3°21	T 18
W19	6 19 5	4°56'00	13°35	10°55	18°53	16° 8	14°47	21°51	28°59	24°53	4°18	17°27	16°27	10°36	3°16	W19
T 20	6 23 1	5°57'10	27°20	12°34	19°47	16°40	14°53	21°57	29° 0	24°51	4°20	17°28	16°23	10°42	3°12	T 20
F 21	6 26 58	6°58'20	11♊32	14°14	20°42	17°11	14°59	22° 3	29° 1	24°50	4°22	17°R29	16°20	10°49	3° 8	F 21
S 22	6 30 54	7°59'29	26° 7	15°53	21°37	17°42	15° 5	22° 9	29° 3	24°48	4°24	17°29	16°17	10°56	3° 4	S 22
S 23	6 34 51	9° 0'39	11♋ 2	17°33	22°33	18°13	15°10	22°15	29° 4	24°47	4°26	17°28	16°14	11° 3	3° 0	S 23
M24	6 38 47	10° 1'47	26° 6	19°13	23°30	18°44	15°16	22°21	29° 5	24°45	4°28	17°25	16°11	11° 9	2°56	M24
T 25	6 42 44	11° 2'56	11♌12	20°54	24°27	19°14	15°22	22°27	29° 6	24°43	4°30	17°22	16° 8	11°16	2°52	T 25
W26	6 46 41	12° 4'04	26° 9	22°34	25°25	19°45	15°27	22°33	29° 7	24°42	4°32	17°19	16° 4	11°23	2°48	W26
T 27	6 50 37	13° 5'12	10♍51	24°14	26°23	20°15	15°32	22°39	29° 9	24°40	4°34	17°15	16° 1	11°29	2°44	T 27
F 28	6 54 34	14° 6'19	25°11	25°55	27°22	20°46	15°37	22°45	29°10	24°39	4°36	17°13	15°58	11°36	2°39	F 28
S 29	6 58 30	15° 7'26	9♎ 7	27°34	28°21	21°16	15°42	22°52	29°11	24°37	4°38	17°D12	15°55	11°43	2°35	S 29
S 30	7 2 27	16° 8'34	22°40	29°14	29°20	21°46	15°46	22°58	29°13	24°35	4°39	17°12	15°52	11°49	2°31	S 30
M31	7 6 23	17♑ 9'40	5♏50	0♒53	0♐20	22♎16	15♎51	23♒ 4	29♓14	24♋34	4♐41	17♊13	15♊49	11♒56	2♋27	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s51	5n15	5n11	23s12	0s53	10s36	2n49	1s 0	1n42	3s48	1n16	16s12	1s30	1s 8	0s44	20n51	0s19	10s54	10n14	22n57	22n56	22s 3	16n48	6s40
S 2	22 57	0s29	4 48	23 30	0 59	10 43	2 54	1 13	1 42	3 51	1 16	16 11	1 30	1 8	0 44	20 52	0 19	10 55	10 14	22 57	22 56	22 2	16 48	6 40
M 3	23 3	6 5	4 10	23 47	1 5	10 51	2 59	1 26	1 43	3 54	1 16	16 9	1 30	1 7	0 44	20 52	0 19	10 55	10 14	22 57	22 56	22 1	16 47	6 41
T 4	23 8	11 20	3 19	24 2	1 10	11 0	3 4	1 39	1 43	3 57	1 16	16 7	1 30	1 7	0 43	20 52	0 19	10 56	10 14	22 57	22 55	22 0	16 47	6 41
W 5	23 12	16 1	2 19	24 17	1 16	11 9	3 9	1 51	1 43	4 1	1 16	16 6	1 30	1 7	0 43	20 52	0 19	10 56	10 14	22 57	22 55	21 58	16 47	6 41
T 6	23 16	19 54	1 13	24 30	1 21	11 18	3 13	2 4	1 44	4 4	1 17	16 4	1 30	1 7	0 43	20 53	0 19	10 56	10 14	22 57	22 55	21 57	16 47	6 41
F 7	23 20	22 48	0 4	24 41	1 26	11 28	3 16	2 17	1 44	4 6	1 17	16 3	1 30	1 7	0 43	20 53	0 19	10 57	10 14	22 57	22 54	21 56	16 47	6 42
S 8	23 23	24 35	1s 3	24 52	1 30	11 39	3 20	2 29	1 44	4 9	1 17	16 1	1 30	1 7	0 43	20 53	0 19	10 57	10 14	22 57	22 54	21 54	16 47	6 42
S 9	23 26	25 11	2 7	25 1	1 35	11 50	3 23	2 42	1 44	4 12	1 17	15 59	1 30	1 7	0 43	20 53	0 19	10 57	10 14	22 57	22 54	21 53	16 47	6 42
M10	23 28	24 35	3 5	25 8	1 39	12 1	3 26	2 54	1 45	4 15	1 18	15 58	1 30	1 6	0 43	20 54	0 19	10 58	10 14	22 57	22 53	21 52	16 47	6 42
T 11	23 30	22 52	3 54	25 14	1 43	12 13	3 29	3 7	1 45	4 18	1 18	15 56	1 29	1 6	0 43	20 54	0 19	10 58	10 14	22 57	22 53	21 51	16 47	6 42
W12	23 31	20 11	4 33	25 19	1 47	12 25	3 31	3 19	1 45	4 20	1 18	15 54	1 29	1 6	0 43	20 54	0 19	10 58	10 14	22 57	22 53	21 49	16 47	6 42
T 13	23 32	16 40	5 0	25 22	1 50	12 37	3 34	3 31	1 46	4 23	1 18	15 52	1 29	1 6	0 43	20 54	0 19	10 59	10 14	22 56	22 52	21 48	16 47	6 43
F 14	23 32	12 29	5 14	25 24	1 54	12 50	3 36	3 44	1 46	4 26	1 18	15 50	1 29	1 5	0 43	20 55	0 19	10 59	10 14	22 56	22 52	21 47	16 47	6 43
S 15	23 32	7 46	5 15	25 24	1 57	13 3	3 37	3 56	1 46	4 28	1 19	15 49	1 29	1 5	0 43	20 55	0 19	10 59	10 15	22 56	22 52	21 45	16 47	6 43
S 16	23 31	2 41	5 2	25 23	1 59	13 16	3 39	4 8	1 46	4 31	1 19	15 47	1 29	1 5	0 43	20 55	0 19	11 0	10 15	22 56	22 52	21 44	16 47	6 43
M17	23 30	2n38	4 34	25 20	2 1	13 30	3 40	4 20	1 47	4 33	1 19	15 45	1 29	1 4	0 43	20 55	0 19	11 0	10 15	22 56	22 51	21 43	16 47	6 43
T 18	23 29	7 59	3 52	25 16	2 3	13 43	3 41	4 32	1 47	4 35	1 19	15 43	1 29	1 4	0 43	20 56	0 19	11 0	10 15	22 56	22 51	21 41	16 47	6 43
W19	23 27	13 10	2 57	25 9	2 5	13 57	3 42	4 44	1 47	4 37	1 19	15 41	1 29	1 3	0 43	20 56	0 19	11 1	10 15	22 56	22 51	21 40	16 47	6 43
T 20	23 24	17 52	1 49	25 2	2 6	14 11	3 43	4 55	1 47	4 40	1 20	15 39	1 29	1 3	0 43	20 56	0 19	11 1	10 15	22 57	22 50	21 38	16 47	6 43
F 21	23 21	21 43	0 33	24 52	2 7	14 25	3 43	5 7	1 48	4 42	1 20	15 37	1 29	1 3	0 43	20 57	0 19	11 1	10 15	22 57	22 50	21 37	16 47	6 43
S 22	23 18	24 16	0n48	24 41	2 7	14 39	3 43	5 19	1 48	4 44	1 20	15 35	1 29	1 2	0 43	20 57	0 19	11 1	10 15	22 57	22 50	21 36	16 47	6 43
S 23	23 14	25 10	2 6	24 28	2 7	14 53	3 44	5 30	1 48	4 46	1 20	15 33	1 29	1 2	0 43	20 57	0 19	11 2	10 15	22 57	22 49	21 34	16 47	6 43
M24	23 9	24 14	3 17	24 14	2 6	15 7	3 43	5 42	1 48	4 48	1 21	15 31	1 29	1 1	0 43	20 58	0 19	11 2	10 15	22 56	22 49	21 33	16 47	6 43
T 25	23 4	21 33	4 14	23 58	2 5	15 21	3 43	5 53	1 49	4 50	1 21	15 29	1 29	1 1	0 43	20 58	0 19	11 2	10 15	22 56	22 49	21 31	16 47	6 43
W26	22 59	17 26	4 53	23 40	2 3	15 35	3 43	6 5	1 49	4 52	1 21	15 27	1 29	1 0	0 43	20 58	0 19	11 2	10 16	22 56	22 48	21 30	16 47	6 43
T 27	22 53	12 20	5 12	23 20	2 1	15 49	3 42	6 16	1 49	4 53	1 21	15 25	1 29	1 0	0 43	20 58	0 19	11 3	10 16	22 55	22 48	21 29	16 47	6 43
F 28	22 47	6 41	5 11	22 59	1 58	16 3	3 41	6 27	1 49	4 55	1 22	15 23	1 29	0 59	0 43	20 59	0 18	11 3	10 16	22 55	22 48	21 27	16 47	6 43
S 29	22 40	0 50	4 51	22 36	1 55	16 17	3 40	6 38	1 50	4 57	1 22	15 21	1 29	0 58	0 42	20 59	0 18	11 3	10 16	22 55	22 47	21 26	16 47	6 43
S 30	22 33	4s53	4 16	22 12	1 50	16 31	3 39	6 49	1 50	4 58	1 22	15 19	1 29	0 58	0 42	20 59	0 18	11 3	10 16	22 55	22 47	21 24	16 48	6 43
M31	22s26	10s15	3n28	21s46	1s46	16s45	3n38	7s 0	1n50	5s 0	1n22	15s17	1s29	0s57	0s42	21n 0	0s18	11s 3	10n16	22n55	22n47	21s23	16n48	6s43

Julian Day Number = 2180511.5, Delta T = 11m32s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'30, Lahiri = 13°30'30 Julian Calendar 1 Dec. 1257 == Greg. Calendar 8 Dec. 1257

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

JANUARY 1258 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 10 20	18♉10'47	18♏40	2♒31	1♐21	22♎45	15♎55	23♒11	29♓16	24°R32	4♐43	17♊15	15♊45	12♒ 3	2°R23	T 1
W 2	7 14 16	19°11'53	1♐14	4° 8	2°22	23°15	15°59	23°17	29°18	24♋30	4°45	17°16	15°42	12°10	2♋20	W 2
T 3	7 18 13	20°12'59	13°36	5°44	3°23	23°44	16° 3	23°24	29°19	24°28	4°47	17°R17	15°39	12°16	2°16	T 3
F 4	7 22 10	21°14'04	25°46	7°17	4°25	24°13	16° 7	23°30	29°21	24°27	4°48	17°17	15°36	12°23	2°12	F 4
S 5	7 26 6	22°15'08	7♉50	8°49	5°27	24°42	16°11	23°37	29°23	24°25	4°50	17°15	15°33	12°30	2° 8	S 5
S 6	7 30 3	23°16'12	19°47	10°18	6°29	25°11	16°14	23°44	29°24	24°23	4°52	17°11	15°29	12°36	2° 4	S 6
M 7	7 33 59	24°17'15	1♒41	11°44	7°32	25°40	16°17	23°50	29°26	24°22	4°54	17° 5	15°26	12°43	2° 0	M 7
T 8	7 37 56	25°18'16	13°32	13° 7	8°35	26° 8	16°20	23°57	29°28	24°20	4°55	16°58	15°23	12°50	1°57	T 8
W 9	7 41 52	26°19'17	25°22	14°25	9°38	26°37	16°23	24° 4	29°30	24°18	4°57	16°50	15°20	12°56	1°53	W 9
T 10	7 45 49	27°20'17	7♓14	15°37	10°42	27° 5	16°26	24°11	29°32	24°17	4°58	16°42	15°17	13° 3	1°49	T 10
F 11	7 49 45	28°21'15	19°10	16°44	11°45	27°33	16°28	24°17	29°34	24°15	5° 0	16°35	15°14	13°10	1°46	F 11
S 12	7 53 42	29°22'13	1♈12	17°45	12°50	28° 0	16°31	24°24	29°36	24°13	5° 2	16°30	15°10	13°17	1°42	S 12
S 13	7 57 39	0♒23'08	13°25	18°38	13°54	28°28	16°33	24°31	29°38	24°12	5° 3	16°26	15° 7	13°23	1°39	S 13
M14	8 1 35	1°24'03	25°52	19°23	14°59	28°55	16°35	24°38	29°40	24°10	5° 5	16°D24	15° 4	13°30	1°36	M14
T 15	8 5 32	2°24'56	8♉38	19°58	16° 4	29°22	16°37	24°45	29°42	24° 8	5° 6	16°24	15° 1	13°37	1°32	T 15
W16	8 9 28	3°25'48	21°47	20°24	17° 9	29°49	16°38	24°52	29°45	24° 7	5° 8	16°25	14°58	13°43	1°29	W16
T 17	8 13 25	4°26'39	5♊22	20°40	18°14	0♏16	16°40	24°59	29°47	24° 5	5° 9	16°27	14°55	13°50	1°26	T 17
F 18	8 17 21	5°27'27	19°26	20°R45	19°20	0°42	16°41	25° 6	29°49	24° 3	5°10	16°R27	14°51	13°57	1°22	F 18
S 19	8 21 18	6°28'15	3♋57	20°39	20°26	1° 9	16°42	25°13	29°51	24° 2	5°12	16°26	14°48	14° 4	1°19	S 19
S 20	8 25 14	7°29'01	18°53	20°22	21°32	1°35	16°43	25°21	29°54	24° 0	5°13	16°22	14°45	14°10	1°16	S 20
M21	8 29 11	8°29'46	4♌ 6	19°54	22°38	2° 0	16°43	25°28	29°56	23°58	5°14	16°16	14°42	14°17	1°13	M21
T 22	8 33 8	9°30'29	19°26	19°16	23°45	2°26	16°44	25°35	29°59	23°57	5°16	16° 8	14°39	14°24	1°10	T 22
W23	8 37 4	10°31'11	4♍43	18°29	24°52	2°51	16°44	25°42	0♈ 1	23°55	5°17	16° 0	14°35	14°30	1° 8	W23
T 24	8 41 1	11°31'51	19°44	17°34	25°58	3°16	16°R44	25°49	0° 4	23°53	5°18	15°51	14°32	14°37	1° 5	T 24
F 25	8 44 57	12°32'30	4♎22	16°33	27° 5	3°41	16°44	25°56	0° 6	23°52	5°19	15°44	14°29	14°44	1° 2	F 25
S 26	8 48 54	13°33'08	18°32	15°28	28°13	4° 6	16°44	26° 4	0° 9	23°50	5°21	15°39	14°26	14°50	0°59	S 26
S 27	8 52 50	14°33'45	2♏12	14°19	29°20	4°30	16°43	26°11	0°11	23°49	5°22	15°36	14°23	14°57	0°57	S 27
M28	8 56 47	15°34'21	15°25	13°10	0♉28	4°54	16°43	26°18	0°14	23°47	5°23	15°D36	14°20	15° 4	0°54	M28
T 29	9 0 43	16°34'56	28°13	12° 2	1°36	5°18	16°42	26°25	0°17	23°46	5°24	15°36	14°16	15°11	0°52	T 29
W30	9 4 40	17°35'29	10♐41	10°56	2°43	5°41	16°41	26°33	0°19	23°44	5°25	15°R37	14°13	15°17	0°50	W30
T 31	9 8 37	18♒36'01	22♐53	9♒54	3♉52	6♏ 4	16♎40	26♒40	0♈22	23♋43	5♐26	15♊37	14♊10	15♒24	0♋47	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s18	15s 2	2n30	21s18	1s40	16s59	3n37	7s11	1n50	5s 1	1n23	15s14	1s29	0s56	0s42	21n 0	0s18	11s 4	10n16	22n55	22n46	21s21	16n48	6s43
W 2	22 9	19 5	1 27	20 49	1 34	17 12	3 35	7 21	1 50	5 2	1 23	15 12	1 29	0 56	0 42	21 0	0 18	11 4	10 16	22 55	22 46	21 20	16 48	6 43
T 3	22 0	22 11	0 20	20 19	1 27	17 25	3 33	7 32	1 51	5 4	1 23	15 10	1 29	0 55	0 42	21 1	0 18	11 4	10 17	22 56	22 46	21 19	16 48	6 43
F 4	21 51	24 14	0s46	19 48	1 19	17 39	3 32	7 43	1 51	5 5	1 23	15 8	1 29	0 54	0 42	21 1	0 18	11 4	10 17	22 56	22 45	21 17	16 48	6 43
S 5	21 41	25 8	1 50	19 15	1 10	17 51	3 30	7 53	1 51	5 6	1 24	15 6	1 29	0 54	0 42	21 1	0 18	11 4	10 17	22 55	22 45	21 16	16 49	6 43
S 6	21 31	24 50	2 48	18 42	1 1	18 4	3 28	8 3	1 51	5 7	1 24	15 3	1 29	0 53	0 42	21 2	0 18	11 4	10 17	22 55	22 45	21 14	16 49	6 42
M 7	21 21	23 24	3 38	18 9	0 50	18 17	3 25	8 14	1 52	5 8	1 24	15 1	1 29	0 52	0 42	21 2	0 18	11 4	10 17	22 54	22 44	21 13	16 49	6 42
T 8	21 10	20 57	4 19	17 34	0 39	18 29	3 23	8 24	1 52	5 9	1 24	14 59	1 29	0 51	0 42	21 2	0 18	11 4	10 17	22 54	22 44	21 11	16 49	6 42
W 9	20 58	17 38	4 48	17 0	0 27	18 41	3 21	8 34	1 52	5 10	1 25	14 57	1 29	0 51	0 42	21 2	0 18	11 5	10 18	22 53	22 44	21 10	16 49	6 42
T 10	20 47	13 36	5 5	16 26	0 14	18 52	3 18	8 44	1 52	5 11	1 25	14 54	1 29	0 50	0 42	21 3	0 18	11 5	10 18	22 52	22 43	21 8	16 50	6 42
F 11	20 34	9 2	5 9	15 53	0n 0	19 3	3 16	8 54	1 52	5 12	1 25	14 52	1 29	0 49	0 42	21 3	0 18	11 5	10 18	22 51	22 43	21 7	16 50	6 42
S 12	20 22	4 5	4 59	15 20	0 15	19 14	3 13	9 3	1 52	5 12	1 25	14 50	1 29	0 48	0 42	21 3	0 18	11 5	10 18	22 51	22 42	21 5	16 50	6 41
S 13	20 9	1n 5	4 36	14 49	0 31	19 25	3 10	9 13	1 53	5 13	1 26	14 47	1 29	0 47	0 42	21 4	0 18	11 5	10 18	22 50	22 42	21 4	16 50	6 41
M14	19 56	6 19	3 59	14 20	0 47	19 35	3 7	9 23	1 53	5 13	1 26	14 45	1 29	0 46	0 42	21 4	0 18	11 5	10 19	22 50	22 42	21 2	16 51	6 41
T 15	19 42	11 27	3 10	13 53	1 4	19 45	3 4	9 32	1 53	5 14	1 26	14 43	1 29	0 45	0 42	21 4	0 18	11 5	10 19	22 50	22 41	21 1	16 51	6 41
W16	19 28	16 12	2 9	13 28	1 21	19 54	3 1	9 41	1 53	5 14	1 26	14 40	1 29	0 45	0 42	21 5	0 18	11 5	10 19	22 50	22 41	20 59	16 51	6 40
T 17	19 14	20 19	0 59	13 7	1 38	20 3	2 58	9 51	1 53	5 14	1 27	14 38	1 29	0 44	0 42	21 5	0 18	11 5	10 19	22 51	22 41	20 58	16 52	6 40
F 18	18 59	23 23	0n16	12 49	1 55	20 12	2 55	10 0	1 53	5 15	1 27	14 36	1 29	0 43	0 42	21 5	0 18	11 5	10 19	22 51	22 40	20 56	16 52	6 40
S 19	18 44	25 1	1 33	12 35	2 12	20 20	2 52	10 9	1 54	5 15	1 27	14 33	1 29	0 42	0 42	21 6	0 18	11 5	10 20	22 50	22 40	20 54	16 52	6 40
S 20	18 28	24 56	2 45	12 25	2 29	20 28	2 48	10 18	1 54	5 15	1 27	14 31	1 29	0 41	0 42	21 6	0 18	11 5	10 20	22 50	22 40	20 53	16 53	6 39
M21	18 13	22 59	3 47	12 19	2 44	20 35	2 45	10 26	1 54	5 15	1 28	14 28	1 29	0 40	0 42	21 6	0 18	11 5	10 20	22 49	22 39	20 51	16 53	6 39
T 22	17 57	19 22	4 33	12 17	2 58	20 42	2 41	10 35	1 54	5 15	1 28	14 26	1 29	0 39	0 42	21 6	0 18	11 5	10 20	22 49	22 39	20 50	16 53	6 39
W23	17 40	14 28	5 0	12 19	3 11	20 49	2 38	10 44	1 54	5 15	1 28	14 24	1 29	0 38	0 42	21 7	0 18	11 5	10 20	22 48	22 39	20 48	16 54	6 38
T 24	17 24	8 45	5 5	12 25	3 22	20 54	2 34	10 52	1 54	5 15	1 28	14 21	1 29	0 37	0 42	21 7	0 18	11 5	10 21	22 47	22 38	20 47	16 54	6 38
F 25	17 7	2 41	4 50	12 35	3 31	21 0	2 30	11 0	1 54	5 14	1 29	14 19	1 29	0 36	0 42	21 7	0 18	11 5	10 21	22 46	22 38	20 45	16 54	6 38
S 26	16 49	3s20	4 17	12 47	3 38	21 5	2 27	11 8	1 54	5 14	1 29	14 16	1 29	0 35	0 42	21 8	0 18	11 5	10 21	22 46	22 37	20 43	16 55	6 37
S 27	16 32	9 0	3 31	13 3	3 43	21 9	2 23	11 17	1 54	5 14	1 29	14 14	1 29	0 34	0 42	21 8	0 18	11 5	10 21	22 45	22 37	20 42	16 55	6 37
M28	16 14	14 4	2 34	13 20	3 45	21 13	2 19	11 25	1 55	5 13	1 29	14 11	1 29	0 32	0 41	21 8	0 18	11 5	10 22	22 45	22 37	20 40	16 55	6 37
T 29	15 56	18 21	1 32	13 39	3 45	21 16	2 15	11 32	1 55	5 13	1 30	14 9	1 29	0 31	0 41	21 8	0 18	11 5	10 22	22 45	22 36	20 39	16 56	6 36
W30	15 37	21 42	0 26	14 0	3 42	21 19	2 11	11 40	1 55	5 12	1 30	14 6	1 29	0 30	0 41	21 9	0 18	11 5	10 22	22 45	22 36	20 37	16 56	6 36
T 31	15s19	23s59	0s39	14s20	3n38	21s21	2n 7	11s48	1n55	5s11	1n30	14s 4	1s29	0s29	0s41	21n 9	0s18	11s 5	10n22	22n45	22n36	20s35	16n57	6s36

Julian Day Number = 2180542.5, Delta T = 11m32s
Ecliptic obliquity = 23°32'10, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'34, Lahiri = 13°30'34 Julian Calendar 1 Jan. 1258 == Greg. Calendar 8 Jan. 1258

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

FEBRUARY 1258 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 12 33	19♒36'31	4♉55	8°R57	5♉ 0	6♏27	16°R38	26♒47	0♈25	23°R41	5♐27	15°R35	14♊ 7	15♒31	0°R45	F 1
S 2	9 16 30	20°37'01	16°49	8♒ 7	6° 8	6°50	16♎36	26°55	0°28	23♋40	5°28	15♊30	14° 4	15°37	0♋43	S 2
S 3	9 20 26	21°37'28	28°41	7°23	7°17	7°12	16°35	27° 2	0°30	23°38	5°29	15°23	14° 1	15°44	0°41	S 3
M 4	9 24 23	22°37'54	10♒31	6°46	8°25	7°34	16°33	27° 9	0°33	23°37	5°30	15°12	13°57	15°51	0°39	M 4
T 5	9 28 19	23°38'18	22°22	6°17	9°34	7°55	16°30	27°17	0°36	23°35	5°30	15° 0	13°54	15°57	0°37	T 5
W 6	9 32 16	24°38'41	4♓15	5°55	10°43	8°17	16°28	27°24	0°39	23°34	5°31	14°47	13°51	16° 4	0°35	W 6
T 7	9 36 12	25°39'02	16°12	5°41	11°52	8°37	16°26	27°31	0°42	23°32	5°32	14°33	13°48	16°11	0°34	T 7
F 8	9 40 9	26°39'21	28°14	5°33	13° 1	8°58	16°23	27°39	0°45	23°31	5°33	14°20	13°45	16°18	0°32	F 8
S 9	9 44 6	27°39'38	10♈22	5°D33	14°10	9°18	16°20	27°46	0°48	23°30	5°33	14°10	13°41	16°24	0°31	S 9
S 10	9 48 2	28°39'53	22°40	5°38	15°19	9°38	16°17	27°53	0°51	23°28	5°34	14° 2	13°38	16°31	0°29	S 10
M11	9 51 59	29°40'06	5♉ 9	5°50	16°29	9°57	16°14	28° 1	0°54	23°27	5°35	13°57	13°35	16°38	0°28	M11
T 12	9 55 55	0♓40'17	17°53	6° 8	17°38	10°16	16°10	28° 8	0°57	23°26	5°35	13°54	13°32	16°44	0°27	T 12
W13	9 59 52	1°40'25	0♊56	6°31	18°48	10°35	16° 6	28°16	1° 0	23°25	5°36	13°D54	13°29	16°51	0°25	W13
T 14	10 3 48	2°40'32	14°21	6°59	19°57	10°53	16° 3	28°23	1° 3	23°23	5°36	13°R54	13°26	16°58	0°24	T 14
F 15	10 7 45	3°40'37	28°12	7°32	21° 7	11°11	15°59	28°30	1° 6	23°22	5°37	13°53	13°22	17° 5	0°23	F 15
S 16	10 11 41	4°40'39	12♋29	8°10	22°17	11°28	15°55	28°38	1°10	23°21	5°37	13°51	13°19	17°11	0°22	S 16
S 17	10 15 38	5°40'39	27°11	8°51	23°27	11°45	15°50	28°45	1°13	23°20	5°38	13°46	13°16	17°18	0°22	S 17
M18	10 19 35	6°40'37	12♌14	9°36	24°37	12° 2	15°46	28°52	1°16	23°19	5°38	13°38	13°13	17°25	0°21	M18
T 19	10 23 31	7°40'33	27°29	10°25	25°47	12°18	15°41	29° 0	1°19	23°17	5°39	13°28	13°10	17°31	0°20	T 19
W20	10 27 28	8°40'27	12♍45	11°17	26°57	12°33	15°37	29° 7	1°22	23°16	5°39	13°17	13° 7	17°38	0°20	W20
T 21	10 31 24	9°40'19	27°52	12°12	28° 7	12°48	15°32	29°14	1°26	23°15	5°39	13° 5	13° 3	17°45	0°19	T 21
F 22	10 35 21	10°40'09	12♎39	13°10	29°18	13° 3	15°27	29°21	1°29	23°14	5°40	12°55	13° 0	17°52	0°19	F 22
S 23	10 39 17	11°39'57	26°59	14°10	0♒28	13°17	15°21	29°29	1°32	23°13	5°40	12°48	12°57	17°58	0°19	S 23
S 24	10 43 14	12°39'43	10♏49	15°14	1°39	13°31	15°16	29°36	1°35	23°12	5°40	12°43	12°54	18° 5	0°18	S 24
M25	10 47 10	13°39'28	24° 9	16°19	2°49	13°44	15°10	29°43	1°39	23°11	5°40	12°40	12°51	18°12	0°D18	M25
T 26	10 51 7	14°39'11	7♐ 2	17°27	4° 0	13°57	15° 5	29°50	1°42	23°10	5°40	12°39	12°47	18°18	0°18	T 26
W27	10 55 4	15°38'52	19°32	18°38	5°11	14° 9	14°59	29°58	1°45	23° 9	5°40	12°39	12°44	18°25	0°18	W27
T 28	10 59 0	16♓38'31	1♉45	19♒50	6♒21	14♏21	14♎53	0♓ 5	1♈49	23♋ 9	5♐40	12♊39	12♊41	18♒32	0♋19	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s 0	25s 8	1s41	14s41	3n31	21s23	2n 3	11s55	1n55	5s10	1n30	14s 2	1s29	0s28	0s41	21n 9	0s18	11s 5	10n22	22n45	22n35	20s34	16n57	6s35
S 2	14 41	25 5	2 38	15 2	3 23	21 24	1 59	12 3	1 55	5 10	1 31	13 59	1 29	0 27	0 41	21 10	0 18	11 5	10 23	22 45	22 35	20 32	16 57	6 35
S 3	14 21	23 54	3 28	15 22	3 14	21 25	1 55	12 10	1 55	5 9	1 31	13 57	1 29	0 26	0 41	21 10	0 18	11 5	10 23	22 44	22 34	20 30	16 58	6 34
M 4	14 2	21 39	4 8	15 42	3 4	21 25	1 51	12 17	1 55	5 8	1 31	13 54	1 29	0 25	0 41	21 10	0 18	11 5	10 23	22 43	22 34	20 29	16 58	6 34
T 5	13 42	18 30	4 38	16 0	2 52	21 24	1 47	12 24	1 55	5 7	1 31	13 52	1 29	0 23	0 41	21 10	0 18	11 4	10 23	22 41	22 34	20 27	16 59	6 33
W 6	13 22	14 35	4 56	16 17	2 40	21 23	1 43	12 31	1 55	5 5	1 32	13 49	1 29	0 22	0 41	21 11	0 18	11 4	10 24	22 40	22 33	20 26	16 59	6 33
T 7	13 1	10 5	5 1	16 33	2 28	21 21	1 39	12 37	1 55	5 4	1 32	13 47	1 29	0 21	0 41	21 11	0 18	11 4	10 24	22 38	22 33	20 24	16 59	6 33
F 8	12 41	5 10	4 52	16 47	2 15	21 19	1 35	12 44	1 55	5 3	1 32	13 44	1 29	0 20	0 41	21 11	0 18	11 4	10 24	22 37	22 33	20 22	17 0	6 32
S 9	12 20	0 1	4 31	17 0	2 2	21 16	1 31	12 50	1 55	5 2	1 32	13 42	1 29	0 19	0 41	21 11	0 18	11 4	10 24	22 36	22 32	20 21	17 0	6 32
S 10	11 59	5n12	3 56	17 11	1 48	21 13	1 27	12 57	1 55	5 0	1 32	13 39	1 29	0 17	0 41	21 12	0 18	11 4	10 25	22 35	22 32	20 19	17 1	6 31
M11	11 38	10 19	3 10	17 21	1 35	21 9	1 23	13 3	1 55	4 59	1 33	13 37	1 29	0 16	0 41	21 12	0 18	11 4	10 25	22 34	22 31	20 17	17 1	6 31
T 12	11 17	15 6	2 13	17 29	1 22	21 4	1 19	13 9	1 54	4 57	1 33	13 34	1 29	0 15	0 41	21 12	0 18	11 3	10 25	22 34	22 31	20 15	17 2	6 30
W13	10 55	19 19	1 8	17 36	1 9	20 59	1 14	13 15	1 54	4 56	1 33	13 32	1 29	0 14	0 41	21 12	0 18	11 3	10 26	22 34	22 31	20 14	17 2	6 30
T 14	10 34	22 39	0n 2	17 41	0 56	20 53	1 10	13 21	1 54	4 54	1 33	13 29	1 30	0 12	0 41	21 13	0 18	11 3	10 26	22 34	22 30	20 12	17 3	6 29
F 15	10 12	24 46	1 15	17 45	0 44	20 47	1 6	13 26	1 54	4 52	1 34	13 27	1 30	0 11	0 41	21 13	0 18	11 3	10 26	22 34	22 30	20 10	17 3	6 29
S 16	9 50	25 21	2 25	17 47	0 32	20 40	1 2	13 32	1 54	4 51	1 34	13 24	1 30	0 10	0 41	21 13	0 18	11 3	10 26	22 33	22 29	20 9	17 4	6 29
S 17	9 28	24 12	3 27	17 48	0 20	20 32	0 58	13 37	1 54	4 49	1 34	13 21	1 30	0 9	0 41	21 13	0 18	11 3	10 27	22 33	22 29	20 7	17 4	6 28
M18	9 6	21 18	4 17	17 47	0 9	20 24	0 54	13 42	1 54	4 47	1 34	13 19	1 30	0 7	0 41	21 13	0 18	11 2	10 27	22 32	22 29	20 5	17 5	6 28
T 19	8 43	16 55	4 49	17 45	0s 3	20 15	0 50	13 47	1 53	4 45	1 34	13 17	1 30	0 6	0 41	21 14	0 18	11 2	10 27	22 31	22 28	20 3	17 5	6 27
W20	8 21	11 25	5 0	17 41	0 13	20 6	0 46	13 52	1 53	4 43	1 35	13 14	1 30	0 5	0 41	21 14	0 18	11 2	10 27	22 29	22 28	20 2	17 6	6 27
T 21	7 58	5 17	4 50	17 35	0 24	19 56	0 42	13 57	1 53	4 41	1 35	13 12	1 30	0 3	0 41	21 14	0 18	11 2	10 28	22 28	22 27	20 0	17 6	6 26
F 22	7 36	1s 0	4 21	17 28	0 33	19 46	0 38	14 2	1 53	4 39	1 35	13 9	1 30	0 2	0 41	21 14	0 18	11 2	10 28	22 26	22 27	19 58	17 7	6 26
S 23	7 13	7 5	3 36	17 20	0 43	19 35	0 34	14 6	1 52	4 37	1 35	13 7	1 30	0 1	0 41	21 14	0 18	11 1	10 28	22 25	22 27	19 56	17 7	6 25
S 24	6 50	12 36	2 40	17 10	0 52	19 23	0 30	14 11	1 52	4 34	1 35	13 4	1 30	0n 1	0 41	21 15	0 18	11 1	10 28	22 25	22 26	19 55	17 8	6 25
M25	6 27	17 20	1 36	16 58	1 1	19 11	0 26	14 15	1 52	4 32	1 35	13 2	1 30	0 2	0 41	21 15	0 18	11 1	10 29	22 25	22 26	19 53	17 8	6 24
T 26	6 4	21 5	0 30	16 46	1 9	18 59	0 22	14 19	1 51	4 30	1 36	12 59	1 31	0 3	0 41	21 15	0 18	11 1	10 29	22 24	22 25	19 51	17 8	6 24
W27	5 41	23 44	0s36	16 31	1 17	18 45	0 18	14 23	1 51	4 27	1 36	12 57	1 31	0 5	0 41	21 15	0 18	11 0	10 29	22 24	22 25	19 49	17 9	6 23
T 28	5s18	25s11	1s39	16s16	1s24	18s32	0n14	14s27	1n51	4s25	1n36	12s54	1s31	0n 6	0s41	21n15	0s18	11s 0	10n29	22n24	22n25	19s48	17n 9	6s23

Julian Day Number = 2180573.5, Delta T = 11m32s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'38, Lahiri = 13°30'39 Julian Calendar 1 Feb. 1258 == Greg. Calendar 8 Feb. 1258

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

MARCH 1258 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 2 57	17♓38'09	13♉45	21♒ 4	7♒32	14♏32	14°R47	0♓12	1♈52	23°R 8	5°R40	12°R37	12♊38	18♒39	0♋19	F 1
S 2	11 6 53	18°37'45	25°37	22°20	8°43	14°42	14♎41	0°19	1°55	23♋ 7	5♐40	12♊32	12°35	18°45	0°19	S 2
S 3	11 10 50	19°37'19	7♒26	23°38	9°54	14°52	14°35	0°26	1°59	23° 6	5°40	12°24	12°32	18°52	0°20	S 3
M 4	11 14 46	20°36'51	19°16	24°58	11° 5	15° 1	14°28	0°33	2° 2	23° 5	5°40	12°14	12°28	18°59	0°20	M 4
T 5	11 18 43	21°36'21	1♓ 9	26°19	12°16	15°10	14°22	0°40	2° 5	23° 5	5°40	12° 1	12°25	19° 5	0°21	T 5
W 6	11 22 39	22°35'49	13° 7	27°42	13°27	15°18	14°15	0°47	2° 9	23° 4	5°40	11°47	12°22	19°12	0°22	W 6
T 7	11 26 36	23°35'15	25°12	29° 6	14°38	15°25	14° 8	0°54	2°12	23° 3	5°40	11°33	12°19	19°19	0°22	T 7
F 8	11 30 33	24°34'39	7♈24	0♓33	15°49	15°32	14° 2	1° 1	2°16	23° 3	5°40	11°20	12°16	19°25	0°23	F 8
S 9	11 34 29	25°34'01	19°45	2° 0	17° 0	15°38	13°55	1° 8	2°19	23° 2	5°39	11° 9	12°12	19°32	0°24	S 9
S 10	11 38 26	26°33'21	2♉15	3°29	18°12	15°44	13°48	1°15	2°22	23° 1	5°39	11° 1	12° 9	19°39	0°26	S 10
M11	11 42 22	27°32'38	14°55	5° 0	19°23	15°48	13°41	1°22	2°26	23° 1	5°39	10°55	12° 6	19°46	0°27	M11
T 12	11 46 19	28°31'53	27°48	6°32	20°34	15°52	13°33	1°29	2°29	23° 0	5°39	10°53	12° 3	19°52	0°28	T 12
W13	11 50 15	29°31'06	10♊55	8° 6	21°46	15°56	13°26	1°36	2°33	23° 0	5°38	10°D52	12° 0	19°59	0°29	W13
T 14	11 54 12	0♈30'17	24°20	9°41	22°57	15°59	13°19	1°42	2°36	22°59	5°38	10°R52	11°57	20° 6	0°31	T 14
F 15	11 58 8	1°29'25	8♋ 3	11°17	24° 9	16° 1	13°12	1°49	2°40	22°59	5°37	10°52	11°53	20°12	0°32	F 15
S 16	12 2 5	2°28'31	22° 8	12°55	25°20	16° 2	13° 4	1°56	2°43	22°59	5°37	10°51	11°50	20°19	0°34	S 16
S 17	12 6 1	3°27'35	6♌33	14°34	26°32	16°R 3	12°57	2° 3	2°46	22°58	5°36	10°47	11°47	20°26	0°36	S 17
M18	12 9 58	4°26'36	21°15	16°15	27°43	16° 2	12°49	2° 9	2°50	22°58	5°36	10°41	11°44	20°33	0°38	M18
T 19	12 13 55	5°25'34	6♍10	17°57	28°55	16° 2	12°42	2°16	2°53	22°58	5°35	10°32	11°41	20°39	0°39	T 19
W20	12 17 51	6°24'31	21° 8	19°41	0♓ 6	16° 0	12°34	2°22	2°57	22°57	5°35	10°23	11°38	20°46	0°41	W20
T 21	12 21 48	7°23'25	6♎ 1	21°26	1°18	15°58	12°26	2°29	3° 0	22°57	5°34	10°13	11°34	20°53	0°44	T 21
F 22	12 25 44	8°22'17	20°40	23°13	2°30	15°55	12°19	2°35	3° 4	22°57	5°33	10° 4	11°31	20°59	0°46	F 22
S 23	12 29 41	9°21'07	4♏58	25° 1	3°41	15°51	12°11	2°42	3° 7	22°57	5°33	9°58	11°28	21° 6	0°48	S 23
S 24	12 33 37	10°19'56	18°49	26°51	4°53	15°46	12° 3	2°48	3°10	22°57	5°32	9°53	11°25	21°13	0°50	S 24
M25	12 37 34	11°18'42	2♐13	28°42	6° 5	15°41	11°56	2°54	3°14	22°57	5°31	9°51	11°22	21°20	0°53	M25
T 26	12 41 30	12°17'27	15°11	0♈35	7°17	15°35	11°48	3° 1	3°17	22°57	5°31	9°D51	11°18	21°26	0°55	T 26
W27	12 45 27	13°16'10	27°46	2°29	8°29	15°28	11°40	3° 7	3°21	22°D57	5°30	9°52	11°15	21°33	0°58	W27
T 28	12 49 24	14°14'52	10♑ 3	4°25	9°41	15°20	11°33	3°13	3°24	22°57	5°29	9°R53	11°12	21°40	1° 0	T 28
F 29	12 53 20	15°13'31	22° 6	6°22	10°52	15°12	11°25	3°19	3°27	22°57	5°28	9°53	11° 9	21°46	1° 3	F 29
S 30	12 57 17	16°12'09	4♒ 0	8°21	12° 4	15° 2	11°17	3°25	3°31	22°57	5°27	9°51	11° 6	21°53	1° 6	S 30
S 31	13 1 13	17♈10'46	15♒51	10♈21	13♓16	14♏52	11♎10	3♓31	3♈34	22♋57	5♐26	9♊47	11♊ 3	22♒ 0	1♋ 9	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4s54	25s25	2s36	15s58	1s31	18s17	0n11	14s31	1n50	4s22	1n36	12s52	1s31	0n 7	0s41	21n15	0s18	11s 0	10n30	22n24	22n24	19s46	17n10	6s22
S 2	4 31	24 29	3 26	15 40	1 38	18 3	0 7	14 34	1 50	4 20	1 36	12 49	1 31	0 9	0 41	21 16	0 18	11 0	10 30	22 23	22 24	19 44	17 11	6 22
S 3	4 8	22 27	4 7	15 20	1 44	17 47	0 3	14 37	1 49	4 17	1 36	12 47	1 31	0 10	0 41	21 16	0 17	10 59	10 30	22 22	22 23	19 42	17 11	6 21
M 4	3 44	19 28	4 36	14 58	1 49	17 32	0s 1	14 41	1 49	4 15	1 36	12 44	1 31	0 11	0 41	21 16	0 17	10 59	10 30	22 21	22 23	19 40	17 12	6 21
T 5	3 21	15 41	4 54	14 36	1 55	17 15	0 4	14 44	1 48	4 12	1 37	12 42	1 31	0 13	0 41	21 16	0 17	10 59	10 31	22 19	22 23	19 39	17 12	6 20
W 6	2 57	11 16	5 0	14 11	1 59	16 59	0 8	14 47	1 48	4 9	1 37	12 40	1 31	0 14	0 41	21 16	0 17	10 59	10 31	22 18	22 22	19 37	17 13	6 20
T 7	2 33	6 22	4 51	13 46	2 4	16 41	0 11	14 49	1 47	4 7	1 37	12 37	1 31	0 15	0 41	21 16	0 17	10 58	10 31	22 16	22 22	19 35	17 13	6 19
F 8	2 10	1 11	4 30	13 19	2 8	16 24	0 15	14 52	1 46	4 4	1 37	12 35	1 32	0 17	0 41	21 16	0 17	10 58	10 31	22 14	22 21	19 33	17 14	6 19
S 9	1 46	4n 7	3 55	12 51	2 11	16 5	0 18	14 54	1 46	4 1	1 37	12 32	1 32	0 18	0 41	21 17	0 17	10 58	10 32	22 12	22 21	19 31	17 14	6 18
S 10	1 22	9 20	3 9	12 21	2 14	15 47	0 21	14 56	1 45	3 58	1 37	12 30	1 32	0 20	0 41	21 17	0 17	10 58	10 32	22 11	22 20	19 30	17 15	6 18
M11	0 59	14 16	2 13	11 50	2 17	15 28	0 25	14 59	1 44	3 56	1 37	12 28	1 32	0 21	0 41	21 17	0 17	10 57	10 32	22 10	22 20	19 28	17 15	6 17
T 12	0 35	18 38	1 9	11 18	2 19	15 8	0 28	15 1	1 43	3 53	1 37	12 25	1 32	0 22	0 41	21 17	0 17	10 57	10 32	22 10	22 20	19 26	17 16	6 17
W13	0 12	22 11	0n 0	10 44	2 20	14 48	0 31	15 2	1 43	3 50	1 37	12 23	1 32	0 24	0 41	21 17	0 17	10 57	10 33	22 10	22 19	19 24	17 16	6 16
T 14	0n12	24 36	1 11	10 9	2 21	14 28	0 34	15 4	1 42	3 47	1 37	12 21	1 32	0 25	0 41	21 17	0 17	10 56	10 33	22 10	22 19	19 22	17 17	6 16
F 15	0 36	25 36	2 19	9 33	2 22	14 7	0 37	15 5	1 41	3 44	1 38	12 18	1 32	0 26	0 41	21 17	0 17	10 56	10 33	22 10	22 18	19 20	17 17	6 15
S 16	0 59	25 0	3 21	8 55	2 22	13 46	0 40	15 7	1 40	3 41	1 38	12 16	1 33	0 28	0 41	21 17	0 17	10 56	10 33	22 10	22 18	19 18	17 18	6 15
S 17	1 23	22 45	4 11	8 17	2 22	13 24	0 43	15 8	1 39	3 38	1 38	12 14	1 33	0 29	0 41	21 17	0 17	10 55	10 34	22 9	22 18	19 17	17 18	6 14
M18	1 46	18 59	4 46	7 37	2 21	13 2	0 46	15 9	1 38	3 35	1 38	12 12	1 33	0 30	0 41	21 17	0 17	10 55	10 34	22 8	22 17	19 15	17 18	6 14
T 19	2 10	13 57	5 2	6 55	2 20	12 40	0 49	15 9	1 37	3 32	1 38	12 9	1 33	0 32	0 41	21 17	0 17	10 55	10 34	22 7	22 17	19 13	17 19	6 13
W20	2 33	8 5	4 58	6 13	2 18	12 17	0 52	15 10	1 36	3 29	1 38	12 7	1 33	0 33	0 41	21 18	0 17	10 55	10 34	22 6	22 16	19 11	17 19	6 13
T 21	2 57	1 47	4 33	5 29	2 16	11 54	0 55	15 11	1 34	3 26	1 38	12 5	1 33	0 35	0 41	21 18	0 17	10 54	10 34	22 4	22 16	19 9	17 20	6 12
F 22	3 20	4s32	3 51	4 44	2 13	11 31	0 57	15 11	1 33	3 23	1 38	12 3	1 33	0 36	0 41	21 18	0 17	10 54	10 35	22 3	22 15	19 7	17 20	6 12
S 23	3 43	10 29	2 55	3 58	2 9	11 7	1 0	15 11	1 32	3 20	1 38	12 0	1 33	0 37	0 41	21 18	0 17	10 54	10 35	22 2	22 15	19 5	17 21	6 11
S 24	4 6	15 44	1 50	3 11	2 6	10 43	1 2	15 11	1 31	3 17	1 38	11 58	1 34	0 39	0 41	21 18	0 17	10 53	10 35	22 1	22 14	19 3	17 21	6 11
M25	4 30	20 2	0 41	2 22	2 1	10 19	1 5	15 11	1 29	3 14	1 38	11 56	1 34	0 40	0 41	21 18	0 17	10 53	10 35	22 1	22 14	19 1	17 22	6 10
T 26	4 53	23 11	0s29	1 33	1 56	9 55	1 7	15 10	1 28	3 11	1 38	11 54	1 34	0 41	0 41	21 18	0 17	10 53	10 35	22 1	22 14	18 59	17 22	6 10
W27	5 16	25 6	1 34	0 42	1 51	9 30	1 9	15 10	1 26	3 8	1 38	11 52	1 34	0 43	0 41	21 18	0 17	10 52	10 36	22 1	22 13	18 57	17 23	6 9
T 28	5 38	25 43	2 34	0n 9	1 45	9 5	1 12	15 9	1 25	3 5	1 38	11 50	1 34	0 44	0 41	21 18	0 17	10 52	10 36	22 1	22 13	18 56	17 23	6 9
F 29	6 1	25 7	3 26	1 2	1 39	8 39	1 14	15 8	1 23	3 2	1 38	11 48	1 34	0 45	0 41	21 18	0 17	10 52	10 36	22 1	22 12	18 54	17 24	6 8
S 30	6 24	23 21	4 9	1 55	1 32	8 14	1 16	15 7	1 22	2 59	1 38	11 46	1 35	0 47	0 41	21 18	0 17	10 51	10 36	22 1	22 12	18 52	17 24	6 8
S 31	6n46	20s36	4s40	2n49	1s24	7s48	1s18	15s 5	1n20	2s56	1n38	11s44	1s35	0n48	0s41	21n18	0s17	10s51	10n36	22n 0	22n11	18s50	17n25	6s 7

Julian Day Number = 2180601.5, Delta T = 11m32s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'42, Lahiri = 13°30'43 Julian Calendar 1 March 1258 == Greg. Calendar 8 March 1258

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

APRIL 1258 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 5 10	18♈ 9'20	27♒42	12♈22	14♓28	14°R42	11°R 2	3♓37	3♈37	22♋57	5°R25	9°R41	10♊59	22♒ 7	1♋12	M 1
T 2	13 9 6	19° 7'53	9♓38	14°25	15°40	14♏30	10♎55	3°43	3°41	22°57	5♐24	9♊33	10°56	22°13	1°15	T 2
W 3	13 13 3	20° 6'23	21°42	16°29	16°52	14°18	10°47	3°49	3°44	22°57	5°23	9°24	10°53	22°20	1°18	W 3
T 4	13 16 59	21° 4'52	3♈55	18°35	18° 5	14° 5	10°39	3°55	3°47	22°58	5°22	9°15	10°50	22°27	1°21	T 4
F 5	13 20 56	22° 3'20	16°20	20°41	19°17	13°51	10°32	4° 1	3°51	22°58	5°21	9° 6	10°47	22°33	1°25	F 5
S 6	13 24 53	23° 1'45	28°56	22°48	20°29	13°37	10°25	4° 6	3°54	22°58	5°20	8°59	10°43	22°40	1°28	S 6
S 7	13 28 49	24° 0'08	11♉43	24°56	21°41	13°22	10°17	4°12	3°57	22°58	5°19	8°54	10°40	22°47	1°31	S 7
M 8	13 32 46	24°58'30	24°43	27° 5	22°53	13° 6	10°10	4°18	4° 1	22°59	5°18	8°51	10°37	22°54	1°35	M 8
T 9	13 36 42	25°56'49	7♊54	29°14	24° 5	12°50	10° 3	4°23	4° 4	22°59	5°17	8°D50	10°34	23° 0	1°38	T 9
W10	13 40 39	26°55'07	21°17	1♉22	25°17	12°33	9°56	4°28	4° 7	23° 0	5°16	8°50	10°31	23° 7	1°42	W10
T 11	13 44 35	27°53'23	4♋53	3°31	26°29	12°16	9°49	4°34	4°10	23° 0	5°15	8°51	10°28	23°14	1°46	T 11
F 12	13 48 32	28°51'36	18°42	5°39	27°42	11°58	9°42	4°39	4°14	23° 1	5°14	8°53	10°24	23°20	1°50	F 12
S 13	13 52 28	29°49'48	2♌44	7°46	28°54	11°39	9°35	4°44	4°17	23° 1	5°12	8°R53	10°21	23°27	1°54	S 13
S 14	13 56 25	0♉47'57	16°58	9°52	0♈ 6	11°21	9°28	4°50	4°20	23° 2	5°11	8°52	10°18	23°34	1°58	S 14
M15	14 0 22	1°46'04	1♍22	11°57	1°18	11° 1	9°21	4°55	4°23	23° 2	5°10	8°49	10°15	23°41	2° 2	M15
T 16	14 4 18	2°44'09	15°52	14° 0	2°31	10°41	9°15	5° 0	4°26	23° 3	5° 9	8°45	10°12	23°47	2° 6	T 16
W17	14 8 15	3°42'12	0♎24	16° 1	3°43	10°21	9° 8	5° 5	4°29	23° 4	5° 7	8°40	10° 9	23°54	2°10	W17
T 18	14 12 11	4°40'14	14°51	18° 0	4°55	10° 1	9° 2	5°10	4°32	23° 4	5° 6	8°35	10° 5	24° 1	2°14	T 18
F 19	14 16 8	5°38'13	29° 7	19°56	6° 8	9°40	8°56	5°14	4°35	23° 5	5° 5	8°30	10° 2	24° 8	2°18	F 19
S 20	14 20 4	6°36'11	13♏ 8	21°49	7°20	9°19	8°50	5°19	4°38	23° 6	5° 3	8°27	9°59	24°14	2°23	S 20
S 21	14 24 1	7°34'07	26°48	23°40	8°32	8°58	8°44	5°24	4°41	23° 7	5° 2	8°25	9°56	24°21	2°27	S 21
M22	14 27 57	8°32'02	10♐ 6	25°28	9°45	8°36	8°38	5°29	4°44	23° 8	5° 0	8°D24	9°53	24°28	2°31	M22
T 23	14 31 54	9°29'56	23° 3	27°12	10°57	8°15	8°32	5°33	4°47	23° 8	4°59	8°25	9°49	24°34	2°36	T 23
W24	14 35 51	10°27'48	5♑39	28°53	12° 9	7°53	8°26	5°38	4°50	23° 9	4°58	8°27	9°46	24°41	2°40	W24
T 25	14 39 47	11°25'39	17°58	0♒31	13°22	7°32	8°21	5°42	4°53	23°10	4°56	8°28	9°43	24°48	2°45	T 25
F 26	14 43 44	12°23'28	0♓ 4	2° 6	14°34	7°10	8°15	5°46	4°56	23°11	4°55	8°30	9°40	24°55	2°50	F 26
S 27	14 47 40	13°21'16	12° 1	3°37	15°47	6°48	8°10	5°51	4°59	23°12	4°53	8°R30	9°37	25° 1	2°55	S 27
S 28	14 51 37	14°19'03	23°54	5° 4	16°59	6°27	8° 5	5°55	5° 2	23°13	4°52	8°30	9°34	25° 8	2°59	S 28
M29	14 55 33	15°16'49	5♓47	6°28	18°12	6° 6	8° 0	5°59	5° 5	23°14	4°50	8°28	9°30	25°15	3° 4	M29
T 30	14 59 30	16♉14'34	17♓46	7♊48	19♈24	5♏44	7♎55	6♓ 3	5♈ 7	23♋15	4♐49	8♊26	9♊27	25♒21	3♋ 9	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n 9	17s 0	5s 0	3n44	1s16	7s22	1s20	15s 4	1n18	2s53	1n38	11s42	1s35	0n49	0s41	21n18	0s17	10s51	10n37	22n 0	22n11	18s48	17n25	6s 7
T 2	7 31	12 42	5 6	4 40	1 8	6 55	1 21	15 2	1 16	2 50	1 37	11 40	1 35	0 51	0 41	21 18	0 17	10 50	10 37	21 58	22 10	18 46	17 25	6 6
W 3	7 53	7 53	4 59	5 36	0 59	6 29	1 23	15 0	1 15	2 48	1 37	11 38	1 35	0 52	0 41	21 18	0 17	10 50	10 37	21 57	22 10	18 44	17 26	6 6
T 4	8 15	2 42	4 39	6 32	0 50	6 2	1 25	14 58	1 13	2 45	1 37	11 36	1 35	0 53	0 41	21 18	0 17	10 50	10 37	21 56	22 10	18 42	17 26	6 6
F 5	8 37	2n41	4 5	7 29	0 41	5 35	1 26	14 56	1 11	2 42	1 37	11 34	1 36	0 55	0 41	21 18	0 17	10 49	10 37	21 54	22 9	18 40	17 27	6 5
S 6	8 59	8 3	3 18	8 26	0 31	5 8	1 28	14 54	1 9	2 39	1 37	11 32	1 36	0 56	0 41	21 18	0 17	10 49	10 37	21 53	22 9	18 38	17 27	6 5
S 7	9 21	13 10	2 21	9 23	0 20	4 41	1 29	14 51	1 7	2 36	1 37	11 30	1 36	0 57	0 41	21 18	0 17	10 49	10 38	21 52	22 8	18 36	17 27	6 4
M 8	9 42	17 48	1 16	10 19	0 10	4 13	1 31	14 49	1 5	2 33	1 37	11 28	1 36	0 59	0 41	21 18	0 17	10 48	10 38	21 52	22 8	18 34	17 28	6 4
T 9	10 4	21 38	0 5	11 15	0n 1	3 46	1 32	14 46	1 2	2 31	1 37	11 26	1 36	1 0	0 41	21 18	0 17	10 48	10 38	21 52	22 7	18 32	17 28	6 3
W10	10 25	24 22	1n 7	12 11	0 11	3 18	1 33	14 43	1 0	2 28	1 37	11 24	1 36	1 1	0 41	21 18	0 17	10 48	10 38	21 52	22 7	18 30	17 29	6 3
T 11	10 46	25 43	2 17	13 5	0 22	2 50	1 34	14 40	0 58	2 25	1 37	11 22	1 37	1 2	0 41	21 18	0 17	10 47	10 38	21 52	22 6	18 28	17 29	6 3
F 12	11 7	25 31	3 19	13 58	0 33	2 23	1 35	14 36	0 55	2 23	1 36	11 21	1 37	1 4	0 41	21 17	0 17	10 47	10 38	21 52	22 6	18 26	17 29	6 2
S 13	11 27	23 42	4 11	14 50	0 43	1 55	1 36	14 33	0 53	2 20	1 36	11 19	1 37	1 5	0 41	21 17	0 17	10 47	10 38	21 52	22 5	18 24	17 30	6 2
S 14	11 48	20 23	4 48	15 41	0 54	1 27	1 37	14 30	0 51	2 18	1 36	11 17	1 37	1 6	0 41	21 17	0 17	10 46	10 39	21 52	22 5	18 22	17 30	6 1
M15	12 8	15 49	5 8	16 30	1 4	0 58	1 38	14 26	0 48	2 15	1 36	11 15	1 37	1 7	0 41	21 17	0 17	10 46	10 39	21 52	22 5	18 20	17 30	6 1
T 16	12 28	10 19	5 8	17 17	1 14	0 30	1 39	14 22	0 46	2 13	1 36	11 14	1 38	1 9	0 41	21 17	0 17	10 46	10 39	21 51	22 4	18 18	17 31	6 1
W17	12 48	4 15	4 49	18 2	1 23	0 2	1 39	14 18	0 43	2 10	1 36	11 12	1 38	1 10	0 41	21 17	0 17	10 45	10 39	21 50	22 4	18 16	17 31	6 0
T 18	13 8	2s 1	4 11	18 44	1 32	0n26	1 40	14 14	0 40	2 8	1 36	11 10	1 38	1 11	0 41	21 17	0 17	10 45	10 39	21 49	22 3	18 14	17 31	6 0
F 19	13 27	8 7	3 18	19 25	1 41	0 54	1 40	14 10	0 38	2 6	1 35	11 9	1 38	1 12	0 41	21 17	0 17	10 45	10 39	21 49	22 3	18 12	17 32	5 59
S 20	13 47	13 43	2 14	20 3	1 49	1 23	1 41	14 6	0 35	2 3	1 35	11 7	1 38	1 14	0 41	21 17	0 16	10 44	10 39	21 48	22 2	18 10	17 32	5 59
S 21	14 6	18 30	1 3	20 38	1 56	1 51	1 41	14 2	0 32	2 1	1 35	11 6	1 39	1 15	0 41	21 17	0 16	10 44	10 39	21 48	22 2	18 8	17 32	5 59
M22	14 24	22 13	0s 9	21 11	2 2	2 19	1 41	13 58	0 30	1 59	1 35	11 4	1 39	1 16	0 41	21 17	0 16	10 44	10 39	21 48	22 1	18 5	17 32	5 58
T 23	14 43	24 40	1 19	21 41	2 8	2 48	1 42	13 53	0 27	1 57	1 35	11 3	1 39	1 17	0 41	21 16	0 16	10 44	10 39	21 48	22 1	18 3	17 33	5 58
W24	15 1	25 49	2 24	22 9	2 13	3 16	1 42	13 49	0 24	1 55	1 35	11 1	1 39	1 18	0 41	21 16	0 16	10 43	10 39	21 48	22 0	18 1	17 33	5 58
T 25	15 19	25 38	3 20	22 35	2 17	3 44	1 42	13 45	0 21	1 53	1 34	11 0	1 39	1 19	0 41	21 16	0 16	10 43	10 39	21 48	22 0	17 59	17 33	5 57
F 26	15 37	24 14	4 6	22 58	2 21	4 12	1 42	13 40	0 18	1 51	1 34	10 58	1 40	1 21	0 41	21 16	0 16	10 43	10 40	21 49	21 59	17 57	17 34	5 57
S 27	15 55	21 45	4 41	23 18	2 24	4 40	1 41	13 36	0 15	1 49	1 34	10 57	1 40	1 22	0 41	21 16	0 16	10 42	10 40	21 49	21 59	17 55	17 34	5 57
S 28	16 12	18 23	5 4	23 37	2 25	5 8	1 41	13 32	0 12	1 47	1 34	10 56	1 40	1 23	0 41	21 16	0 16	10 42	10 40	21 49	21 58	17 53	17 34	5 56
M29	16 29	14 17	5 14	23 53	2 26	5 36	1 41	13 27	0 10	1 45	1 34	10 54	1 40	1 24	0 41	21 16	0 16	10 42	10 40	21 48	21 58	17 51	17 34	5 56
T 30	16n46	9s36	5s10	24n 6	2n26	6n 4	1s41	13s23	0n 7	1s44	1n33	10s53	1s40	1n25	0s41	21n15	0s16	10s42	10n40	21n48	21n57	17s49	17n34	5s56

Julian Day Number = 2180632.5, Delta T = 11m32s
Ecliptic obliquity = 23°32'12, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'46, Lahiri = 13°30'47 Julian Calendar 1 Apr. 1258 == Greg. Calendar 8 Apr. 1258

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

MAY 1258 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 3 26	17♉12'17	29♓54	9♊ 4	20♈37	5°R23	7°R51	6♓ 7	5♈10	23♋16	4°R47	8°R23	9♊24	25♒28	3♋14	W 1
T 2	15 7 23	18° 9'59	12♈14	10°17	21°49	5♏ 3	7♎46	6°11	5°13	23°17	4♐46	8♊20	9°21	25°35	3°19	T 2
F 3	15 11 20	19° 7'41	24°48	11°26	23° 2	4°43	7°42	6°14	5°16	23°19	4°44	8°17	9°18	25°42	3°24	F 3
S 4	15 15 16	20° 5'20	7♉38	12°31	24°14	4°23	7°38	6°18	5°18	23°20	4°43	8°15	9°15	25°48	3°29	S 4
S 5	15 19 13	21° 2'59	20°45	13°32	25°27	4° 3	7°34	6°22	5°21	23°21	4°41	8°13	9°11	25°55	3°35	S 5
M 6	15 23 9	22° 0'37	4♊ 6	14°28	26°40	3°44	7°30	6°25	5°24	23°22	4°40	8°D12	9° 8	26° 2	3°40	M 6
T 7	15 27 6	22°58'13	17°42	15°21	27°52	3°25	7°26	6°28	5°26	23°24	4°38	8°12	9° 5	26° 8	3°45	T 7
W 8	15 31 2	23°55'48	1♋30	16°10	29° 5	3° 7	7°23	6°32	5°29	23°25	4°37	8°13	9° 2	26°15	3°50	W 8
T 9	15 34 59	24°53'21	15°28	16°54	0♉17	2°50	7°19	6°35	5°31	23°26	4°35	8°14	8°59	26°22	3°56	T 9
F 10	15 38 55	25°50'54	29°34	17°35	1°30	2°33	7°16	6°38	5°34	23°28	4°33	8°15	8°55	26°29	4° 1	F 10
S 11	15 42 52	26°48'24	13♌45	18°10	2°43	2°17	7°13	6°41	5°36	23°29	4°32	8°16	8°52	26°35	4° 7	S 11
S 12	15 46 49	27°45'54	27°58	18°42	3°55	2° 1	7°10	6°44	5°39	23°30	4°30	8°R16	8°49	26°42	4°12	S 12
M13	15 50 45	28°43'21	12♍12	19° 9	5° 8	1°46	7° 8	6°47	5°41	23°32	4°29	8°16	8°46	26°49	4°18	M13
T 14	15 54 42	29°40'48	26°24	19°31	6°21	1°32	7° 5	6°50	5°43	23°33	4°27	8°15	8°43	26°56	4°23	T 14
W15	15 58 38	0♊38'13	10♎31	19°49	7°33	1°18	7° 3	6°53	5°46	23°35	4°25	8°14	8°40	27° 2	4°29	W15
T 16	16 2 35	1°35'37	24°31	20° 2	8°46	1° 5	7° 1	6°55	5°48	23°36	4°24	8°14	8°36	27° 9	4°35	T 16
F 17	16 6 31	2°33'00	8♏19	20°10	9°59	0°53	6°59	6°58	5°50	23°38	4°22	8°13	8°33	27°16	4°40	F 17
S 18	16 10 28	3°30'22	21°54	20°R14	11°11	0°42	6°57	7° 0	5°52	23°39	4°21	8°13	8°30	27°22	4°46	S 18
S 19	16 14 24	4°27'42	5♐14	20°13	12°24	0°32	6°56	7° 2	5°54	23°41	4°19	8°D12	8°27	27°29	4°52	S 19
M20	16 18 21	5°25'03	18°17	20° 8	13°37	0°22	6°54	7° 5	5°57	23°42	4°17	8°12	8°24	27°36	4°58	M20
T 21	16 22 18	6°22'22	1♑ 4	19°58	14°50	0°13	6°53	7° 7	5°59	23°44	4°16	8°13	8°21	27°43	5° 4	T 21
W22	16 26 14	7°19'41	13°35	19°45	16° 3	0° 5	6°52	7° 9	6° 1	23°46	4°14	8°13	8°17	27°49	5° 9	W22
T 23	16 30 11	8°16'59	25°52	19°27	17°15	29♎58	6°51	7°11	6° 3	23°47	4°12	8°R13	8°14	27°56	5°15	T 23
F 24	16 34 7	9°14'16	7♒58	19° 6	18°28	29°51	6°50	7°13	6° 5	23°49	4°11	8°13	8°11	28° 3	5°21	F 24
S 25	16 38 4	10°11'33	19°55	18°41	19°41	29°46	6°50	7°14	6° 7	23°51	4° 9	8°13	8° 8	28° 9	5°27	S 25
S 26	16 42 0	11° 8'49	1♓49	18°14	20°54	29°41	6°50	7°16	6° 8	23°52	4° 8	8°12	8° 5	28°16	5°33	S 26
M27	16 45 57	12° 6'05	13°43	17°44	22° 7	29°37	6°D49	7°18	6°10	23°54	4° 6	8°D12	8° 1	28°23	5°39	M27
T 28	16 49 53	13° 3'21	25°42	17°13	23°20	29°33	6°50	7°19	6°12	23°56	4° 4	8°12	7°58	28°30	5°46	T 28
W29	16 53 50	14° 0'36	7♈51	16°40	24°33	29°31	6°50	7°21	6°14	23°58	4° 3	8°13	7°55	28°36	5°52	W29
T 30	16 57 47	14°57'51	20°13	16° 6	25°46	29°30	6°50	7°22	6°16	23°59	4° 1	8°13	7°52	28°43	5°58	T 30
F 31	17 1 43	15♊55'06	2♉53	15♊32	26♉59	29°D29	6♎51	7♓23	6♈17	24♋ 1	4♐ 0	8♊14	7♊49	28♒50	6♋ 4	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17n 2	4s30	4s52	24n18	2n25	6n32	1s40	13s19	0n 4	1s42	1n33	10s52	1s41	1n26	0s41	21n15	0s16	10s41	10n40	21n48	21n57	17s47	17n35	5s55
T 2	17 19	0n51	4 21	24 27	2 24	7 0	1 40	13 15	0 1	1 40	1 33	10 51	1 41	1 27	0 41	21 15	0 16	10 41	10 40	21 47	21 57	17 45	17 35	5 55
F 3	17 35	6 17	3 37	24 34	2 21	7 27	1 39	13 11	0s 2	1 39	1 33	10 49	1 41	1 28	0 41	21 15	0 16	10 41	10 40	21 47	21 56	17 42	17 35	5 55
S 4	17 50	11 35	2 41	24 40	2 18	7 55	1 39	13 7	0 5	1 38	1 32	10 48	1 41	1 29	0 41	21 15	0 16	10 40	10 40	21 46	21 56	17 40	17 35	5 54
S 5	18 6	16 29	1 35	24 43	2 13	8 22	1 38	13 3	0 8	1 36	1 32	10 47	1 41	1 30	0 41	21 15	0 16	10 40	10 40	21 46	21 55	17 38	17 35	5 54
M 6	18 21	20 41	0 23	24 45	2 8	8 49	1 37	12 59	0 11	1 35	1 32	10 46	1 42	1 31	0 41	21 14	0 16	10 40	10 40	21 46	21 55	17 36	17 35	5 54
T 7	18 35	23 50	0n52	24 45	2 2	9 16	1 36	12 55	0 14	1 34	1 32	10 45	1 42	1 32	0 41	21 14	0 16	10 40	10 40	21 46	21 54	17 34	17 36	5 54
W 8	18 50	25 37	2 5	24 43	1 54	9 42	1 35	12 52	0 16	1 32	1 31	10 44	1 42	1 33	0 41	21 14	0 16	10 39	10 40	21 46	21 54	17 32	17 36	5 53
T 9	19 4	25 48	3 12	24 39	1 46	10 9	1 34	12 48	0 19	1 31	1 31	10 43	1 42	1 34	0 41	21 14	0 16	10 39	10 40	21 46	21 53	17 30	17 36	5 53
F 10	19 18	24 21	4 7	24 34	1 37	10 35	1 33	12 45	0 22	1 30	1 31	10 42	1 43	1 35	0 41	21 13	0 16	10 39	10 40	21 46	21 53	17 27	17 36	5 53
S 11	19 31	21 21	4 48	24 28	1 28	11 1	1 32	12 42	0 25	1 29	1 31	10 41	1 43	1 36	0 41	21 13	0 16	10 39	10 40	21 46	21 52	17 25	17 36	5 53
S 12	19 45	17 5	5 11	24 20	1 17	11 27	1 31	12 39	0 28	1 28	1 30	10 40	1 43	1 37	0 41	21 13	0 16	10 38	10 40	21 46	21 52	17 23	17 36	5 52
M13	19 57	11 52	5 16	24 11	1 5	11 52	1 30	12 37	0 30	1 28	1 30	10 39	1 43	1 38	0 41	21 13	0 16	10 38	10 39	21 46	21 51	17 21	17 36	5 52
T 14	20 10	6 2	5 1	24 0	0 53	12 18	1 29	12 34	0 33	1 27	1 30	10 38	1 44	1 39	0 41	21 13	0 16	10 38	10 39	21 46	21 51	17 19	17 36	5 52
W15	20 22	0s 5	4 28	23 48	0 40	12 43	1 27	12 32	0 36	1 26	1 30	10 38	1 44	1 40	0 41	21 12	0 16	10 38	10 39	21 46	21 50	17 17	17 36	5 52
T 16	20 34	6 8	3 39	23 35	0 26	13 7	1 26	12 30	0 38	1 26	1 29	10 37	1 44	1 41	0 41	21 12	0 16	10 38	10 39	21 46	21 50	17 14	17 36	5 51
F 17	20 45	11 50	2 38	23 21	0 11	13 32	1 24	12 28	0 41	1 25	1 29	10 36	1 44	1 42	0 41	21 12	0 16	10 37	10 39	21 46	21 49	17 12	17 36	5 51
S 18	20 56	16 53	1 29	23 6	0s 4	13 56	1 23	12 26	0 43	1 25	1 29	10 35	1 44	1 42	0 41	21 12	0 16	10 37	10 39	21 46	21 49	17 10	17 36	5 51
S 19	21 7	20 59	0 16	22 51	0 20	14 20	1 21	12 25	0 46	1 24	1 29	10 35	1 45	1 43	0 41	21 11	0 16	10 37	10 39	21 46	21 48	17 8	17 36	5 51
M20	21 18	23 56	0s56	22 34	0 36	14 43	1 20	12 24	0 48	1 24	1 28	10 34	1 45	1 44	0 41	21 11	0 16	10 37	10 39	21 46	21 48	17 6	17 36	5 51
T 21	21 28	25 35	2 3	22 17	0 53	15 6	1 18	12 23	0 51	1 24	1 28	10 34	1 45	1 45	0 42	21 11	0 16	10 37	10 39	21 46	21 47	17 3	17 36	5 50
W22	21 37	25 53	3 4	21 59	1 10	15 29	1 16	12 22	0 53	1 24	1 28	10 33	1 45	1 46	0 42	21 11	0 16	10 36	10 39	21 46	21 47	17 1	17 36	5 50
T 23	21 47	24 54	3 54	21 40	1 27	15 52	1 15	12 22	0 55	1 24	1 28	10 33	1 46	1 46	0 42	21 10	0 16	10 36	10 39	21 46	21 46	16 59	17 36	5 50
F 24	21 56	22 45	4 34	21 22	1 44	16 14	1 13	12 22	0 58	1 23	1 27	10 32	1 46	1 47	0 42	21 10	0 16	10 36	10 38	21 46	21 46	16 57	17 36	5 50
S 25	22 4	19 39	5 1	21 3	2 1	16 35	1 11	12 22	1 0	1 24	1 27	10 32	1 46	1 48	0 42	21 10	0 16	10 36	10 38	21 46	21 45	16 55	17 36	5 50
S 26	22 12	15 46	5 15	20 44	2 18	16 56	1 9	12 22	1 2	1 24	1 27	10 31	1 46	1 49	0 42	21 10	0 16	10 36	10 38	21 46	21 45	16 52	17 36	5 50
M27	22 20	11 16	5 15	20 25	2 34	17 17	1 7	12 23	1 4	1 24	1 26	10 31	1 47	1 49	0 42	21 9	0 16	10 36	10 38	21 46	21 44	16 50	17 36	5 49
T 28	22 27	6 20	5 2	20 6	2 49	17 38	1 5	12 24	1 7	1 24	1 26	10 31	1 47	1 50	0 42	21 9	0 16	10 36	10 38	21 46	21 44	16 48	17 36	5 49
W29	22 34	1 5	4 35	19 48	3 4	17 58	1 3	12 25	1 9	1 24	1 26	10 30	1 47	1 51	0 42	21 9	0 16	10 35	10 38	21 46	21 43	16 46	17 36	5 49
T 30	22 41	4n18	3 56	19 31	3 18	18 17	1 1	12 26	1 11	1 25	1 26	10 30	1 47	1 51	0 42	21 8	0 16	10 35	10 38	21 46	21 43	16 43	17 35	5 49
F 31	22n47	9n39	3s 4	19n15	3s31	18n36	0s59	12s28	1s13	1s25	1n25	10s30	1s48	1n52	0s42	21n 8	0s16	10s35	10n37	21n46	21n42	16s41	17n35	5s49

Julian Day Number = 2180662.5, Delta T = 11m32s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'50, Lahiri = 13°30'51 Julian Calendar 1 May 1258 == Greg. Calendar 8 May 1258

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

JUNE 1258 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 5 40	16♊52'21	15♉52	14°R58	28♉12	29♎29	6♎51	7♓24	6♈19	24♋ 3	3°R58	8♊15	7♊46	28♒57	6♋10	S 1
S 2	17 9 36	17°49'35	29°13	14♊25	29°25	29°30	6°52	7°25	6°20	24° 5	3♐57	8°15	7°42	29° 3	6°16	S 2
M 3	17 13 33	18°46'49	12♊54	13°53	0♊38	29°32	6°54	7°26	6°22	24° 7	3°55	8°R15	7°39	29°10	6°23	M 3
T 4	17 17 29	19°44'02	26°54	13°24	1°51	29°34	6°55	7°27	6°24	24° 9	3°54	8°15	7°36	29°17	6°29	T 4
W 5	17 21 26	20°41'16	11♋ 9	12°57	3° 4	29°37	6°56	7°27	6°25	24°11	3°52	8°14	7°33	29°23	6°35	W 5
T 6	17 25 22	21°38'29	25°34	12°33	4°17	29°42	6°58	7°28	6°26	24°13	3°50	8°12	7°30	29°30	6°41	T 6
F 7	17 29 19	22°35'41	10♌ 5	12°12	5°30	29°47	7° 0	7°28	6°28	24°15	3°49	8°11	7°27	29°37	6°48	F 7
S 8	17 33 16	23°32'53	24°34	11°55	6°43	29°52	7° 2	7°29	6°29	24°17	3°47	8° 9	7°23	29°44	6°54	S 8
S 9	17 37 12	24°30'04	8♍59	11°42	7°56	29°59	7° 4	7°29	6°30	24°18	3°46	8° 8	7°20	29°50	7° 0	S 9
M10	17 41 9	25°27'14	23°14	11°33	9° 9	0♏ 6	7° 6	7°29	6°32	24°20	3°45	8°D 8	7°17	29°57	7° 7	M10
T 11	17 45 5	26°24'24	7♎17	11°D29	10°22	0°14	7° 9	7°R29	6°33	24°22	3°43	8° 8	7°14	0♓ 4	7°13	T 11
W12	17 49 2	27°21'34	21° 8	11°30	11°35	0°23	7°12	7°29	6°34	24°24	3°42	8° 9	7°11	0°10	7°19	W12
T 13	17 52 58	28°18'44	4♏45	11°35	12°49	0°32	7°14	7°29	6°35	24°27	3°40	8°10	7° 7	0°17	7°26	T 13
F 14	17 56 55	29°15'53	18° 8	11°46	14° 2	0°42	7°17	7°29	6°36	24°29	3°39	8°11	7° 4	0°24	7°32	F 14
S 15	18 0 51	0♋13'02	1♐18	12° 1	15°15	0°53	7°21	7°29	6°37	24°31	3°37	8°12	7° 1	0°31	7°39	S 15
S 16	18 4 48	1°10'10	14°15	12°21	16°28	1° 4	7°24	7°28	6°38	24°33	3°36	8°R12	6°58	0°37	7°45	S 16
M17	18 8 45	2° 7'19	26°59	12°47	17°41	1°16	7°28	7°28	6°39	24°35	3°35	8°11	6°55	0°44	7°52	M17
T 18	18 12 41	3° 4'28	9♑32	13°17	18°55	1°29	7°31	7°27	6°40	24°37	3°33	8° 9	6°52	0°51	7°58	T 18
W19	18 16 38	4° 1'37	21°52	13°52	20° 8	1°43	7°35	7°26	6°41	24°39	3°32	8° 5	6°48	0°58	8° 5	W19
T 20	18 20 34	4°58'46	4♒ 3	14°32	21°21	1°57	7°39	7°25	6°41	24°41	3°31	8° 1	6°45	1° 4	8°11	T 20
F 21	18 24 31	5°55'55	16° 5	15°17	22°35	2°11	7°43	7°25	6°42	24°43	3°29	7°57	6°42	1°11	8°18	F 21
S 22	18 28 27	6°53'05	28° 1	16° 7	23°48	2°27	7°48	7°23	6°43	24°45	3°28	7°52	6°39	1°18	8°24	S 22
S 23	18 32 24	7°50'15	9♓54	17° 2	25° 1	2°43	7°52	7°22	6°43	24°47	3°27	7°48	6°36	1°24	8°30	S 23
M24	18 36 21	8°47'26	21°47	18° 1	26°15	2°59	7°57	7°21	6°44	24°50	3°26	7°46	6°33	1°31	8°37	M24
T 25	18 40 17	9°44'37	3♈45	19° 5	27°28	3°16	8° 2	7°20	6°44	24°52	3°24	7°44	6°29	1°38	8°43	T 25
W26	18 44 14	10°41'49	15°52	20°14	28°42	3°34	8° 6	7°18	6°45	24°54	3°23	7°D44	6°26	1°45	8°50	W26
T 27	18 48 10	11°39'01	28°13	21°27	29°55	3°52	8°12	7°17	6°45	24°56	3°22	7°45	6°23	1°51	8°56	T 27
F 28	18 52 7	12°36'14	10♉52	22°44	1♋ 9	4°11	8°17	7°15	6°46	24°58	3°21	7°47	6°20	1°58	9° 3	F 28
S 29	18 56 3	13°33'28	23°53	24° 6	2°22	4°30	8°22	7°14	6°46	25° 1	3°20	7°48	6°17	2° 5	9° 9	S 29
S 30	19 0 0	14♋30'42	7♊19	25♊33	3♋36	4♏50	8♎28	7♓12	6♈46	25♋ 3	3♐19	7°R49	6♊13	2♓12	9♋16	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n53	14n44	2s 1	18n59	3s43	18n55	0s57	12s30	1s15	1s26	1n25	10s30	1s48	1n53	0s42	21n 8	0s16	10s35	10n37	21n46	21n42	16s39	17n35	5s49
S 2	22 59	19 15	0 50	18 45	3 54	19 13	0 55	12 32	1 16	1 27	1 25	10 30	1 48	1 53	0 42	21 7	0 16	10 35	10 37	21 46	21 41	16 37	17 35	5 49
M 3	23 4	22 52	0n26	18 32	4 3	19 30	0 53	12 34	1 18	1 27	1 25	10 29	1 48	1 54	0 42	21 7	0 16	10 35	10 37	21 46	21 41	16 34	17 35	5 49
T 4	23 8	25 11	1 41	18 20	4 11	19 47	0 50	12 37	1 20	1 28	1 24	10 29	1 49	1 54	0 42	21 7	0 16	10 35	10 37	21 46	21 40	16 32	17 35	5 48
W 5	23 12	25 55	2 52	18 11	4 18	20 4	0 48	12 40	1 22	1 29	1 24	10 29	1 49	1 55	0 42	21 6	0 16	10 35	10 37	21 46	21 39	16 30	17 34	5 48
T 6	23 16	24 55	3 52	18 3	4 23	20 20	0 46	12 43	1 24	1 30	1 24	10 29	1 49	1 56	0 42	21 6	0 16	10 35	10 36	21 46	21 39	16 27	17 34	5 48
F 7	23 20	22 15	4 38	17 56	4 27	20 35	0 44	12 46	1 25	1 31	1 23	10 29	1 49	1 56	0 42	21 6	0 16	10 35	10 36	21 46	21 38	16 25	17 34	5 48
S 8	23 23	18 12	5 7	17 52	4 29	20 50	0 41	12 50	1 27	1 32	1 23	10 30	1 50	1 57	0 42	21 5	0 16	10 35	10 36	21 45	21 38	16 23	17 34	5 48
S 9	23 25	13 6	5 15	17 49	4 30	21 5	0 39	12 53	1 29	1 33	1 23	10 30	1 50	1 57	0 42	21 5	0 16	10 35	10 36	21 45	21 37	16 21	17 33	5 48
M10	23 27	7 21	5 5	17 49	4 29	21 18	0 37	12 57	1 30	1 34	1 23	10 30	1 50	1 57	0 42	21 5	0 16	10 34	10 35	21 45	21 37	16 18	17 33	5 48
T 11	23 29	1 19	4 36	17 50	4 28	21 32	0 34	13 2	1 32	1 35	1 22	10 30	1 50	1 58	0 42	21 4	0 16	10 34	10 35	21 45	21 36	16 16	17 33	5 48
W12	23 31	4s42	3 51	17 53	4 24	21 44	0 32	13 6	1 33	1 37	1 22	10 30	1 51	1 58	0 42	21 4	0 16	10 34	10 35	21 45	21 36	16 14	17 32	5 48
T 13	23 32	10 25	2 54	17 58	4 20	21 56	0 29	13 11	1 35	1 38	1 22	10 31	1 51	1 59	0 42	21 4	0 16	10 34	10 35	21 45	21 35	16 11	17 32	5 48
F 14	23 32	15 34	1 48	18 5	4 15	22 8	0 27	13 16	1 36	1 39	1 21	10 31	1 51	1 59	0 42	21 3	0 16	10 34	10 34	21 46	21 35	16 9	17 32	5 48
S 15	23 32	19 53	0 38	18 13	4 9	22 18	0 25	13 21	1 37	1 41	1 21	10 31	1 51	1 59	0 42	21 3	0 15	10 34	10 34	21 46	21 34	16 7	17 31	5 48
S 16	23 32	23 9	0s33	18 23	4 1	22 29	0 22	13 26	1 39	1 43	1 21	10 32	1 52	2 0	0 42	21 3	0 15	10 34	10 34	21 46	21 34	16 4	17 31	5 48
M17	23 31	25 11	1 41	18 34	3 53	22 38	0 20	13 32	1 40	1 44	1 21	10 32	1 52	2 0	0 42	21 2	0 15	10 34	10 34	21 46	21 33	16 2	17 31	5 48
T 18	23 30	25 55	2 43	18 47	3 44	22 47	0 17	13 37	1 41	1 46	1 20	10 33	1 52	2 0	0 42	21 2	0 15	10 34	10 33	21 45	21 33	16 0	17 30	5 48
W19	23 28	25 19	3 37	19 1	3 34	22 55	0 15	13 43	1 43	1 48	1 20	10 33	1 52	2 1	0 42	21 2	0 15	10 35	10 33	21 45	21 32	15 57	17 30	5 48
T 20	23 27	23 31	4 19	19 16	3 24	23 3	0 12	13 49	1 44	1 50	1 20	10 34	1 53	2 1	0 42	21 1	0 15	10 35	10 33	21 44	21 32	15 55	17 30	5 48
F 21	23 24	20 41	4 50	19 32	3 13	23 10	0 10	13 55	1 45	1 51	1 20	10 34	1 53	2 1	0 42	21 1	0 15	10 35	10 33	21 43	21 31	15 53	17 29	5 48
S 22	23 21	17 1	5 8	19 48	3 1	23 16	0 7	14 2	1 46	1 53	1 19	10 35	1 53	2 2	0 42	21 1	0 15	10 35	10 32	21 43	21 30	15 50	17 29	5 48
S 23	23 18	12 42	5 12	20 6	2 49	23 22	0 5	14 8	1 47	1 55	1 19	10 35	1 53	2 2	0 43	21 0	0 15	10 35	10 32	21 42	21 30	15 48	17 28	5 48
M24	23 15	7 54	5 3	20 24	2 37	23 26	0 2	14 15	1 48	1 57	1 19	10 36	1 54	2 2	0 43	21 0	0 15	10 35	10 32	21 42	21 29	15 45	17 28	5 48
T 25	23 11	2 48	4 41	20 42	2 24	23 31	0 0	14 22	1 49	2 0	1 19	10 37	1 54	2 2	0 43	20 59	0 15	10 35	10 31	21 41	21 29	15 43	17 27	5 48
W26	23 6	2n29	4 6	21 0	2 11	23 34	0n 2	14 29	1 50	2 2	1 18	10 38	1 54	2 2	0 43	20 59	0 15	10 35	10 31	21 41	21 28	15 41	17 27	5 48
T 27	23 1	7 47	3 19	21 18	1 58	23 37	0 5	14 36	1 51	2 4	1 18	10 38	1 54	2 2	0 43	20 59	0 15	10 35	10 31	21 41	21 28	15 38	17 26	5 48
F 28	22 56	12 54	2 22	21 36	1 44	23 39	0 7	14 44	1 52	2 6	1 18	10 39	1 55	2 3	0 43	20 58	0 15	10 35	10 30	21 42	21 27	15 36	17 26	5 48
S 29	22 51	17 36	1 15	21 54	1 31	23 41	0 10	14 51	1 53	2 9	1 18	10 40	1 55	2 3	0 43	20 58	0 15	10 35	10 30	21 42	21 27	15 34	17 25	5 48
S 30	22n45	21n35	0s 3	22n11	1s17	23n41	0n12	14s59	1s54	2s11	1n17	10s41	1s55	2n 3	0s43	20n58	0s15	10s35	10n30	21n42	21n26	15s31	17n25	5s49

Julian Day Number = 2180693.5, Delta T = 11m31s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'55, Lahiri = 13°30'55 Julian Calendar 1 June 1258 == Greg. Calendar 8 June 1258

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

JULY 1258 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 3 56	15♋27'57	21♊11	27♊ 3	4♋49	5♏10	8♎34	7°R10	6♈47	25♋ 5	3°R17	7°R48	6♊10	2♓18	9♋22	M 1
T 2	19 7 53	16°25'13	5♋27	28°37	6° 3	5°31	8°39	7♓ 8	6°47	25° 7	3♐16	7♊46	6° 7	2°25	9°29	T 2
W 3	19 11 50	17°22'30	20° 4	0♋16	7°17	5°52	8°45	7° 6	6°47	25° 9	3°15	7°42	6° 4	2°32	9°35	W 3
T 4	19 15 46	18°19'47	4♌55	1°58	8°30	6°14	8°52	7° 4	6°47	25°12	3°14	7°36	6° 1	2°38	9°42	T 4
F 5	19 19 43	19°17'04	19°51	3°43	9°44	6°36	8°58	7° 2	6°R47	25°14	3°13	7°30	5°58	2°45	9°48	F 5
S 6	19 23 39	20°14'22	4♍44	5°32	10°58	6°59	9° 4	6°59	6°47	25°16	3°12	7°24	5°54	2°52	9°55	S 6
S 7	19 27 36	21°11'41	19°26	7°24	12°11	7°22	9°11	6°57	6°47	25°18	3°11	7°19	5°51	2°59	10° 1	S 7
M 8	19 31 32	22° 8'59	3♎51	9°19	13°25	7°46	9°17	6°54	6°47	25°20	3°10	7°16	5°48	3° 5	10° 8	M 8
T 9	19 35 29	23° 6'19	17°57	11°16	14°39	8°10	9°24	6°52	6°47	25°23	3°10	7°D15	5°45	3°12	10°14	T 9
W10	19 39 25	24° 3'38	1♏41	13°15	15°52	8°35	9°31	6°49	6°46	25°25	3° 9	7°15	5°42	3°19	10°20	W10
T 11	19 43 22	25° 0'59	15° 6	15°16	17° 6	9° 0	9°38	6°46	6°46	25°27	3° 8	7°16	5°39	3°25	10°27	T 11
F 12	19 47 19	25°58'19	28°13	17°19	18°20	9°26	9°46	6°43	6°46	25°29	3° 7	7°17	5°35	3°32	10°33	F 12
S 13	19 51 15	26°55'41	11♐ 4	19°23	19°34	9°51	9°53	6°41	6°45	25°32	3° 6	7°R17	5°32	3°39	10°40	S 13
S 14	19 55 12	27°53'03	23°42	21°27	20°48	10°18	10° 0	6°38	6°45	25°34	3° 6	7°16	5°29	3°46	10°46	S 14
M15	19 59 8	28°50'26	6♑ 8	23°33	22° 2	10°44	10° 8	6°34	6°45	25°36	3° 5	7°12	5°26	3°52	10°52	M15
T 16	20 3 5	29°47'50	18°26	25°38	23°15	11°11	10°16	6°31	6°44	25°38	3° 4	7° 6	5°23	3°59	10°59	T 16
W17	20 7 1	0♌45'15	0♒36	27°43	24°29	11°39	10°24	6°28	6°44	25°40	3° 3	6°58	5°19	4° 6	11° 5	W17
T 18	20 10 58	1°42'40	12°38	29°48	25°43	12° 7	10°32	6°25	6°43	25°43	3° 3	6°49	5°16	4°13	11°11	T 18
F 19	20 14 54	2°40'07	24°36	1♌52	26°57	12°35	10°40	6°21	6°42	25°45	3° 2	6°38	5°13	4°19	11°17	F 19
S 20	20 18 51	3°37'35	6♓29	3°56	28°11	13° 3	10°48	6°18	6°42	25°47	3° 2	6°28	5°10	4°26	11°24	S 20
S 21	20 22 48	4°35'04	18°21	5°59	29°25	13°32	10°56	6°14	6°41	25°49	3° 1	6°19	5° 7	4°33	11°30	S 21
M22	20 26 44	5°32'34	0♈14	8° 0	0♌39	14° 1	11° 5	6°11	6°40	25°52	3° 1	6°11	5° 4	4°39	11°36	M22
T 23	20 30 41	6°30'06	12°10	10° 1	1°53	14°31	11°13	6° 7	6°39	25°54	3° 0	6° 6	5° 0	4°46	11°42	T 23
W24	20 34 37	7°27'39	24°15	12° 0	3° 7	15° 1	11°22	6° 4	6°38	25°56	3° 0	6° 3	4°57	4°53	11°48	W24
T 25	20 38 34	8°25'14	6♉33	13°58	4°21	15°31	11°31	6° 0	6°38	25°58	2°59	6°D 2	4°54	5° 0	11°54	T 25
F 26	20 42 30	9°22'50	19° 8	15°55	5°36	16° 1	11°40	5°56	6°37	26° 0	2°59	6° 2	4°51	5° 6	12° 0	F 26
S 27	20 46 27	10°20'28	2♊ 5	17°51	6°50	16°32	11°49	5°52	6°36	26° 2	2°58	6°R 3	4°48	5°13	12° 6	S 27
S 28	20 50 23	11°18'07	15°29	19°45	8° 4	17° 3	11°58	5°48	6°35	26° 5	2°58	6° 3	4°45	5°20	12°12	S 28
M29	20 54 20	12°15'48	29°21	21°37	9°18	17°35	12° 7	5°44	6°33	26° 7	2°58	6° 1	4°41	5°27	12°18	M29
T 30	20 58 17	13°13'31	13♋41	23°28	10°32	18° 7	12°16	5°40	6°32	26° 9	2°58	5°56	4°38	5°33	12°24	T 30
W31	21 2 13	14♌11'15	28♋28	25♌18	11♌46	18♏39	12♎26	5♓36	6♈31	26♋11	2♐57	5♊49	4♊35	5♓40	12♋30	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n38	24n26	1n12	22n27	1s 4	23n41	0n15	15s 6	1s55	2s14	1n17	10s42	1s55	2n 3	0s43	20n57	0s15	10s36	10n29	21n42	21n26	15s29	17n24	5s49
T 2	22 31	25 50	2 24	22 42	0 50	23 41	0 17	15 14	1 56	2 16	1 17	10 43	1 55	2 3	0 43	20 57	0 15	10 36	10 29	21 42	21 25	15 26	17 24	5 49
W 3	22 24	25 28	3 29	22 55	0 37	23 39	0 19	15 22	1 57	2 19	1 17	10 44	1 56	2 3	0 43	20 56	0 15	10 36	10 29	21 41	21 24	15 24	17 23	5 49
T 4	22 17	23 19	4 20	23 7	0 24	23 37	0 22	15 30	1 58	2 21	1 16	10 45	1 56	2 3	0 43	20 56	0 15	10 36	10 28	21 40	21 24	15 22	17 23	5 49
F 5	22 9	19 34	4 54	23 18	0 11	23 35	0 24	15 38	1 58	2 24	1 16	10 46	1 56	2 3	0 43	20 56	0 15	10 36	10 28	21 39	21 23	15 19	17 22	5 49
S 6	22 0	14 35	5 8	23 26	0n 1	23 31	0 26	15 47	1 59	2 27	1 16	10 47	1 56	2 3	0 43	20 55	0 15	10 36	10 28	21 38	21 23	15 17	17 22	5 49
S 7	21 52	8 49	5 2	23 32	0 13	23 27	0 28	15 55	2 0	2 30	1 16	10 48	1 57	2 3	0 43	20 55	0 15	10 37	10 27	21 37	21 22	15 14	17 21	5 49
M 8	21 42	2 41	4 36	23 36	0 24	23 22	0 31	16 3	2 1	2 33	1 15	10 49	1 57	2 3	0 43	20 54	0 15	10 37	10 27	21 37	21 22	15 12	17 20	5 50
T 9	21 33	3s27	3 54	23 38	0 35	23 16	0 33	16 12	2 1	2 35	1 15	10 50	1 57	2 3	0 43	20 54	0 15	10 37	10 27	21 36	21 21	15 9	17 20	5 50
W10	21 23	9 18	3 0	23 37	0 45	23 10	0 35	16 21	2 2	2 38	1 15	10 51	1 57	2 2	0 43	20 54	0 15	10 37	10 26	21 36	21 21	15 7	17 19	5 50
T 11	21 13	14 34	1 57	23 33	0 54	23 3	0 37	16 29	2 3	2 41	1 15	10 53	1 57	2 2	0 43	20 53	0 15	10 37	10 26	21 37	21 20	15 5	17 18	5 50
F 12	21 2	19 3	0 49	23 27	1 3	22 56	0 39	16 38	2 3	2 44	1 14	10 54	1 58	2 2	0 43	20 53	0 15	10 38	10 26	21 37	21 19	15 2	17 18	5 50
S 13	20 51	22 32	0s20	23 18	1 11	22 47	0 42	16 47	2 4	2 48	1 14	10 55	1 58	2 2	0 43	20 52	0 15	10 38	10 25	21 37	21 19	15 0	17 17	5 50
S 14	20 40	24 50	1 27	23 6	1 18	22 38	0 44	16 56	2 4	2 51	1 14	10 56	1 58	2 2	0 43	20 52	0 15	10 38	10 25	21 37	21 18	14 57	17 16	5 51
M15	20 29	25 52	2 29	22 51	1 24	22 29	0 46	17 5	2 5	2 54	1 14	10 58	1 58	2 2	0 43	20 52	0 15	10 38	10 24	21 36	21 18	14 55	17 16	5 51
T 16	20 17	25 36	3 22	22 34	1 30	22 18	0 48	17 14	2 5	2 57	1 14	10 59	1 58	2 1	0 43	20 51	0 15	10 39	10 24	21 35	21 17	14 52	17 15	5 51
W17	20 4	24 6	4 6	22 15	1 34	22 7	0 50	17 23	2 6	3 0	1 13	11 1	1 59	2 1	0 43	20 51	0 15	10 39	10 24	21 34	21 17	14 50	17 14	5 51
T 18	19 52	21 31	4 38	21 53	1 38	21 56	0 51	17 32	2 6	3 4	1 13	11 2	1 59	2 1	0 43	20 50	0 15	10 39	10 23	21 32	21 16	14 47	17 14	5 51
F 19	19 39	18 3	4 58	21 28	1 41	21 43	0 53	17 41	2 7	3 7	1 13	11 3	1 59	2 1	0 43	20 50	0 15	10 39	10 23	21 30	21 15	14 45	17 13	5 52
S 20	19 25	13 52	5 4	21 2	1 44	21 30	0 55	17 51	2 7	3 11	1 13	11 5	1 59	2 0	0 43	20 50	0 15	10 40	10 22	21 29	21 15	14 42	17 12	5 52
S 21	19 12	9 11	4 58	20 33	1 45	21 17	0 57	18 0	2 8	3 14	1 12	11 6	1 59	2 0	0 43	20 49	0 15	10 40	10 22	21 27	21 14	14 40	17 11	5 52
M22	18 58	4 10	4 38	20 3	1 46	21 3	0 59	18 9	2 8	3 18	1 12	11 8	2 0	2 0	0 43	20 49	0 15	10 40	10 22	21 26	21 14	14 37	17 11	5 52
T 23	18 43	1n 3	4 7	19 31	1 47	20 48	1 0	18 18	2 9	3 21	1 12	11 9	2 0	1 59	0 43	20 48	0 15	10 41	10 21	21 25	21 13	14 35	17 10	5 53
W24	18 29	6 17	3 24	18 58	1 46	20 33	1 2	18 28	2 9	3 25	1 12	11 11	2 0	1 59	0 43	20 48	0 15	10 41	10 21	21 24	21 13	14 32	17 9	5 53
T 25	18 14	11 23	2 30	18 23	1 45	20 17	1 3	18 37	2 9	3 28	1 12	11 12	2 0	1 59	0 43	20 48	0 15	10 41	10 20	21 24	21 12	14 30	17 8	5 53
F 26	17 59	16 9	1 29	17 46	1 43	20 0	1 5	18 46	2 10	3 32	1 11	11 14	2 0	1 58	0 44	20 47	0 15	10 41	10 20	21 24	21 11	14 27	17 7	5 54
S 27	17 43	20 19	0 21	17 9	1 41	19 43	1 7	18 55	2 10	3 36	1 11	11 16	2 0	1 58	0 44	20 47	0 15	10 42	10 20	21 24	21 11	14 25	17 7	5 54
S 28	17 27	23 34	0n50	16 31	1 39	19 25	1 8	19 5	2 10	3 39	1 11	11 17	2 1	1 57	0 44	20 46	0 15	10 42	10 19	21 24	21 10	14 22	17 6	5 54
M29	17 11	25 33	2 1	15 52	1 35	19 7	1 9	19 14	2 11	3 43	1 11	11 19	2 1	1 57	0 44	20 46	0 15	10 43	10 19	21 24	21 10	14 20	17 5	5 54
T 30	16 55	25 55	3 6	15 12	1 32	18 48	1 11	19 23	2 11	3 47	1 11	11 20	2 1	1 56	0 44	20 46	0 15	10 43	10 18	21 23	21 9	14 17	17 4	5 55
W31	16n38	24n29	4n 1	14n31	1n28	18n29	1n12	19s33	2s11	3s51	1n10	11s22	2s 1	1n56	0s44	20n45	0s15	10s43	10n18	21n22	21n 9	14s15	17n 3	5s55

Julian Day Number = 2180723.5, Delta T = 11m31s
Ecliptic obliquity = 23°32'11, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°23'59, Lahiri = 13°30'59 Julian Calendar 1 July 1258 == Greg. Calendar 8 July 1258

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

AUGUST 1258 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 6 10	15♌ 9'01	13♌33	27♌ 6	13♌ 1	19♏11	12♎35	5°R32	6°R30	26♋13	2°R57	5°R40	4♊32	5♓47	12♋36	T 1
F 2	21 10 6	16° 6'48	28°47	28°53	14°15	19°44	12°45	5♓28	6♈29	26°15	2♐57	5♊30	4°29	5°53	12°42	F 2
S 3	21 14 3	17° 4'36	14♍ 0	0♍39	15°29	20°16	12°54	5°24	6°27	26°17	2°57	5°20	4°25	6° 0	12°48	S 3
S 4	21 17 59	18° 2'26	29° 0	2°23	16°44	20°50	13° 4	5°19	6°26	26°20	2°57	5°12	4°22	6° 7	12°54	S 4
M 5	21 21 56	19° 0'16	13♎40	4° 5	17°58	21°23	13°14	5°15	6°25	26°22	2°57	5° 6	4°19	6°14	12°59	M 5
T 6	21 25 52	19°58'08	27°55	5°47	19°12	21°57	13°24	5°11	6°23	26°24	2°56	5° 2	4°16	6°20	13° 5	T 6
W 7	21 29 49	20°56'02	11♏43	7°27	20°27	22°31	13°34	5° 6	6°22	26°26	2°D56	5° 0	4°13	6°27	13°11	W 7
T 8	21 33 46	21°53'56	25° 6	9° 5	21°41	23° 5	13°44	5° 2	6°20	26°28	2°56	5°D 0	4°10	6°34	13°16	T 8
F 9	21 37 42	22°51'52	8♐ 6	10°42	22°55	23°39	13°55	4°57	6°19	26°30	2°57	5°R 0	4° 6	6°40	13°22	F 9
S 10	21 41 39	23°49'50	20°47	12°18	24°10	24°14	14° 5	4°53	6°17	26°32	2°57	4°59	4° 3	6°47	13°27	S 10
S 11	21 45 35	24°47'48	3♑13	13°53	25°24	24°49	14°16	4°48	6°15	26°34	2°57	4°56	4° 0	6°54	13°33	S 11
M12	21 49 32	25°45'49	15°28	15°27	26°39	25°24	14°26	4°44	6°14	26°36	2°57	4°51	3°57	7° 1	13°38	M12
T 13	21 53 28	26°43'50	27°34	16°59	27°53	26° 0	14°37	4°39	6°12	26°38	2°57	4°43	3°54	7° 7	13°44	T 13
W14	21 57 25	27°41'53	9♒35	18°29	29° 8	26°35	14°47	4°35	6°10	26°40	2°57	4°32	3°51	7°14	13°49	W14
T 15	22 1 21	28°39'58	21°31	19°59	0♍22	27°11	14°58	4°30	6° 9	26°42	2°58	4°19	3°47	7°21	13°54	T 15
F 16	22 5 18	29°38'05	3♓25	21°27	1°36	27°47	15° 9	4°26	6° 7	26°44	2°58	4° 5	3°44	7°28	14° 0	F 16
S 17	22 9 15	0♍36'13	15°17	22°54	2°51	28°23	15°20	4°21	6° 5	26°46	2°58	3°51	3°41	7°34	14° 5	S 17
S 18	22 13 11	1°34'23	27°10	24°19	4° 5	29° 0	15°31	4°17	6° 3	26°48	2°58	3°38	3°38	7°41	14°10	S 18
M19	22 17 8	2°32'35	9♈ 5	25°43	5°20	29°37	15°42	4°12	6° 1	26°50	2°59	3°27	3°35	7°48	14°15	M19
T 20	22 21 4	3°30'48	21° 4	27° 6	6°35	0♐14	15°53	4° 7	5°59	26°51	2°59	3°19	3°31	7°54	14°20	T 20
W21	22 25 1	4°29'04	3♉10	28°27	7°49	0°51	16° 4	4° 3	5°57	26°53	3° 0	3°14	3°28	8° 1	14°25	W21
T 22	22 28 57	5°27'22	15°27	29°47	9° 4	1°28	16°16	3°58	5°55	26°55	3° 0	3°12	3°25	8° 8	14°30	T 22
F 23	22 32 54	6°25'42	28° 0	1♎ 6	10°18	2° 5	16°27	3°53	5°53	26°57	3° 1	3°11	3°22	8°15	14°35	F 23
S 24	22 36 50	7°24'04	10♊53	2°22	11°33	2°43	16°38	3°49	5°51	26°59	3° 1	3°11	3°19	8°21	14°40	S 24
S 25	22 40 47	8°22'29	24°10	3°38	12°48	3°21	16°50	3°44	5°49	27° 1	3° 2	3°11	3°16	8°28	14°45	S 25
M26	22 44 44	9°20'56	7♋55	4°51	14° 2	3°59	17° 1	3°40	5°47	27° 2	3° 2	3° 8	3°12	8°35	14°49	M26
T 27	22 48 40	10°19'25	22° 8	6° 3	15°17	4°37	17°13	3°35	5°45	27° 4	3° 3	3° 4	3° 9	8°42	14°54	T 27
W28	22 52 37	11°17'56	6♌49	7°13	16°31	5°16	17°25	3°31	5°43	27° 6	3° 4	2°57	3° 6	8°48	14°59	W28
T 29	22 56 33	12°16'29	21°53	8°21	17°46	5°54	17°36	3°26	5°41	27° 7	3° 4	2°47	3° 3	8°55	15° 3	T 29
F 30	23 0 30	13°15'04	7♍10	9°27	19° 1	6°33	17°48	3°21	5°39	27° 9	3° 5	2°36	3° 0	9° 2	15° 8	F 30
S 31	23 4 26	14♍13'41	22♍29	10♎31	20♍16	7♐12	18♎ 0	3♓17	5♈37	27♋11	3♐ 6	2♊25	2♊56	9♓ 8	15♋12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n21	21n17	4n40	13n50	1n23	18n 9	1n13	19s42	2s11	3s55	1n10	11s24	2s 1	1n55	0s44	20n45	0s15	10s44	10n18	21n20	21n 8	14s12	17n 2	5s55
F 2	16 4	16 37	5 0	13 8	1 18	17 48	1 14	19 51	2 12	3 59	1 10	11 25	2 1	1 55	0 44	20 44	0 15	10 44	10 17	21 19	21 7	14 10	17 2	5 56
S 3	15 47	10 54	4 58	12 26	1 13	17 27	1 15	20 0	2 12	4 3	1 10	11 27	2 1	1 54	0 44	20 44	0 15	10 44	10 17	21 17	21 7	14 7	17 1	5 56
S 4	15 29	4 37	4 36	11 43	1 7	17 6	1 16	20 9	2 12	4 7	1 10	11 29	2 2	1 54	0 44	20 44	0 15	10 45	10 16	21 15	21 6	14 5	17 0	5 56
M 5	15 11	1s47	3 57	11 0	1 2	16 44	1 17	20 18	2 12	4 11	1 10	11 31	2 2	1 53	0 44	20 43	0 15	10 45	10 16	21 14	21 6	14 2	16 59	5 57
T 6	14 53	7 56	3 3	10 17	0 55	16 22	1 18	20 27	2 12	4 15	1 9	11 32	2 2	1 53	0 44	20 43	0 15	10 46	10 15	21 13	21 5	14 0	16 58	5 57
W 7	14 35	13 31	2 0	9 34	0 49	15 59	1 19	20 36	2 12	4 19	1 9	11 34	2 2	1 52	0 44	20 43	0 15	10 46	10 15	21 13	21 4	13 57	16 57	5 57
T 8	14 16	18 16	0 52	8 51	0 42	15 36	1 20	20 45	2 13	4 23	1 9	11 36	2 2	1 51	0 44	20 42	0 15	10 46	10 15	21 13	21 4	13 54	16 56	5 58
F 9	13 57	22 1	0s16	8 7	0 35	15 12	1 21	20 54	2 13	4 27	1 9	11 38	2 2	1 51	0 44	20 42	0 15	10 47	10 14	21 13	21 3	13 52	16 55	5 58
S 10	13 38	24 35	1 23	7 24	0 28	14 48	1 21	21 3	2 13	4 31	1 9	11 39	2 2	1 50	0 44	20 41	0 15	10 47	10 14	21 13	21 3	13 49	16 54	5 59
S 11	13 19	25 53	2 23	6 41	0 21	14 24	1 22	21 12	2 13	4 36	1 9	11 41	2 2	1 49	0 44	20 41	0 15	10 48	10 13	21 12	21 2	13 47	16 53	5 59
M12	12 59	25 53	3 16	5 58	0 13	13 59	1 23	21 20	2 13	4 40	1 8	11 43	2 3	1 49	0 44	20 41	0 15	10 48	10 13	21 11	21 1	13 44	16 53	5 59
T 13	12 39	24 39	4 0	5 15	0 6	13 33	1 23	21 29	2 13	4 44	1 8	11 45	2 3	1 48	0 44	20 40	0 15	10 49	10 12	21 10	21 1	13 42	16 52	6 0
W14	12 19	22 17	4 32	4 32	0s 2	13 8	1 24	21 38	2 13	4 48	1 8	11 46	2 3	1 47	0 44	20 40	0 15	10 49	10 12	21 8	21 0	13 39	16 51	6 0
T 15	11 59	18 59	4 52	3 50	0 10	12 42	1 24	21 46	2 13	4 53	1 8	11 48	2 3	1 47	0 44	20 40	0 15	10 50	10 11	21 6	21 0	13 36	16 50	6 1
F 16	11 39	14 56	4 59	3 7	0 18	12 15	1 24	21 54	2 13	4 57	1 8	11 50	2 3	1 46	0 44	20 39	0 15	10 50	10 11	21 3	20 59	13 34	16 49	6 1
S 17	11 18	10 19	4 53	2 26	0 27	11 49	1 24	22 3	2 13	5 1	1 8	11 52	2 3	1 45	0 44	20 39	0 15	10 51	10 11	21 0	20 58	13 31	16 48	6 1
S 18	10 58	5 20	4 35	1 44	0 35	11 22	1 25	22 11	2 13	5 6	1 7	11 53	2 3	1 44	0 44	20 38	0 15	10 51	10 10	20 58	20 58	13 29	16 47	6 2
M19	10 37	0 8	4 4	1 3	0 43	10 54	1 25	22 19	2 13	5 10	1 7	11 55	2 3	1 44	0 44	20 38	0 15	10 52	10 10	20 56	20 57	13 26	16 46	6 2
T 20	10 16	5n 7	3 23	0 22	0 52	10 27	1 25	22 27	2 13	5 15	1 7	11 57	2 3	1 43	0 44	20 38	0 15	10 52	10 9	20 54	20 57	13 23	16 45	6 3
W21	9 54	10 15	2 31	0s18	1 0	9 59	1 25	22 35	2 13	5 19	1 7	11 59	2 3	1 42	0 44	20 37	0 15	10 53	10 9	20 53	20 56	13 21	16 44	6 3
T 22	9 33	15 4	1 32	0 58	1 8	9 31	1 25	22 42	2 13	5 24	1 7	12 0	2 3	1 41	0 44	20 37	0 15	10 53	10 8	20 53	20 55	13 18	16 43	6 4
F 23	9 11	19 21	0 27	1 37	1 17	9 2	1 25	22 50	2 13	5 28	1 7	12 2	2 3	1 40	0 44	20 37	0 15	10 54	10 8	20 53	20 55	13 16	16 42	6 4
S 24	8 50	22 50	0n41	2 15	1 25	8 34	1 24	22 57	2 13	5 33	1 7	12 4	2 3	1 40	0 44	20 36	0 15	10 54	10 8	20 53	20 54	13 13	16 41	6 5
S 25	8 28	25 13	1 48	2 53	1 34	8 5	1 24	23 5	2 13	5 37	1 6	12 6	2 3	1 39	0 44	20 36	0 15	10 55	10 7	20 53	20 54	13 10	16 40	6 5
M26	8 6	26 10	2 52	3 30	1 42	7 36	1 24	23 12	2 12	5 42	1 6	12 7	2 3	1 38	0 44	20 36	0 15	10 55	10 7	20 52	20 53	13 8	16 39	6 6
T 27	7 44	25 27	3 48	4 6	1 51	7 6	1 23	23 19	2 12	5 46	1 6	12 9	2 4	1 37	0 44	20 35	0 15	10 56	10 6	20 51	20 52	13 5	16 38	6 6
W28	7 21	23 0	4 30	4 42	1 59	6 37	1 23	23 26	2 12	5 51	1 6	12 11	2 4	1 36	0 44	20 35	0 15	10 56	10 6	20 50	20 52	13 2	16 37	6 7
T 29	6 59	18 55	4 55	5 16	2 7	6 7	1 22	23 33	2 12	5 55	1 6	12 12	2 4	1 35	0 44	20 35	0 15	10 57	10 5	20 48	20 51	13 0	16 36	6 7
F 30	6 37	13 33	5 0	5 50	2 15	5 37	1 22	23 39	2 12	6 0	1 6	12 14	2 4	1 34	0 44	20 34	0 15	10 57	10 5	20 46	20 51	12 57	16 35	6 8
S 31	6n14	7n19	4n43	6s22	2s23	5n 7	1n21	23s46	2s12	6s 5	1n 6	12s16	2s 4	1n34	0s44	20n34	0s15	10s58	10n 5	20n44	20n50	12s54	16n34	6s 8

Julian Day Number = 2180754.5, Delta T = 11m31s
Ecliptic obliquity = 23°32'12, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'03, Lahiri = 13°31'04 Julian Calendar 1 Aug. 1258 == Greg. Calendar 8 Aug. 1258

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

SEPTEMBER 1258 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 8 23	15♍12'20	7♎40	11♎32	21♍30	7♐51	18♎12	3°R12	5°R34	27♋12	3♐ 7	2°R16	2♊53	9♓15	15♋16	S 1
M 2	23 12 19	16°11'01	22°32	12°31	22°45	8°30	18°24	3♓ 8	5♈32	27°14	3° 8	2♊ 9	2°50	9°22	15°21	M 2
T 3	23 16 16	17° 9'43	6♏57	13°27	24° 0	9°10	18°36	3° 4	5°30	27°16	3° 8	2° 4	2°47	9°29	15°25	T 3
W 4	23 20 13	18° 8'28	20°54	14°21	25°14	9°49	18°48	2°59	5°27	27°17	3° 9	2° 2	2°44	9°35	15°29	W 4
T 5	23 24 9	19° 7'14	4♐23	15°11	26°29	10°29	19° 0	2°55	5°25	27°19	3°10	2°D 2	2°41	9°42	15°33	T 5
F 6	23 28 6	20° 6'02	17°25	15°58	27°44	11° 9	19°13	2°51	5°23	27°20	3°11	2°R 2	2°37	9°49	15°37	F 6
S 7	23 32 2	21° 4'52	0♑ 5	16°42	28°59	11°49	19°25	2°46	5°21	27°22	3°12	2° 2	2°34	9°55	15°41	S 7
S 8	23 35 59	22° 3'44	12°27	17°21	0♎13	12°29	19°37	2°42	5°18	27°23	3°13	2° 0	2°31	10° 2	15°45	S 8
M 9	23 39 55	23° 2'37	24°37	17°56	1°28	13°10	19°49	2°38	5°16	27°25	3°14	1°56	2°28	10° 9	15°48	M 9
T 10	23 43 52	24° 1'32	6♒37	18°27	2°43	13°50	20° 2	2°34	5°13	27°26	3°15	1°49	2°25	10°16	15°52	T 10
W11	23 47 48	25° 0'29	18°33	18°52	3°58	14°31	20°14	2°30	5°11	27°27	3°17	1°39	2°22	10°22	15°56	W11
T 12	23 51 45	25°59'28	0♓25	19°12	5°12	15°11	20°27	2°26	5° 9	27°29	3°18	1°28	2°18	10°29	15°59	T 12
F 13	23 55 42	26°58'29	12°18	19°27	6°27	15°52	20°39	2°22	5° 6	27°30	3°19	1°16	2°15	10°36	16° 3	F 13
S 14	23 59 38	27°57'31	24°12	19°35	7°42	16°33	20°52	2°18	5° 4	27°31	3°20	1° 3	2°12	10°43	16° 6	S 14
S 15	0 3 35	28°56'36	6♈ 8	19°R36	8°57	17°14	21° 4	2°14	5° 1	27°33	3°21	0°52	2° 9	10°49	16°10	S 15
M16	0 7 31	29°55'43	18° 9	19°30	10°11	17°56	21°17	2°10	4°59	27°34	3°23	0°43	2° 6	10°56	16°13	M16
T 17	0 11 28	0♎54'52	0♉16	19°17	11°26	18°37	21°30	2° 6	4°57	27°35	3°24	0°36	2° 2	11° 3	16°16	T 17
W18	0 15 24	1°54'04	12°31	18°56	12°41	19°19	21°42	2° 3	4°54	27°36	3°25	0°32	1°59	11° 9	16°19	W18
T 19	0 19 21	2°53'17	24°55	18°27	13°56	20° 0	21°55	1°59	4°52	27°37	3°26	0°D30	1°56	11°16	16°22	T 19
F 20	0 23 17	3°52'33	7♊33	17°49	15°11	20°42	22° 8	1°55	4°49	27°39	3°28	0°30	1°53	11°23	16°25	F 20
S 21	0 27 14	4°51'52	20°27	17° 4	16°25	21°24	22°21	1°52	4°47	27°40	3°29	0°31	1°50	11°30	16°28	S 21
S 22	0 31 10	5°51'12	3♋41	16°12	17°40	22° 6	22°33	1°48	4°44	27°41	3°31	0°R32	1°47	11°36	16°31	S 22
M23	0 35 7	6°50'36	17°18	15°13	18°55	22°48	22°46	1°45	4°42	27°42	3°32	0°31	1°43	11°43	16°33	M23
T 24	0 39 4	7°50'01	1♌20	14° 8	20°10	23°30	22°59	1°42	4°40	27°43	3°34	0°29	1°40	11°50	16°36	T 24
W25	0 43 0	8°49'29	15°46	12°58	21°25	24°12	23°12	1°39	4°37	27°44	3°35	0°24	1°37	11°56	16°38	W25
T 26	0 46 57	9°48'59	0♍33	11°46	22°39	24°55	23°25	1°36	4°35	27°45	3°37	0°18	1°34	12° 3	16°41	T 26
F 27	0 50 53	10°48'31	15°36	10°33	23°54	25°37	23°38	1°32	4°32	27°46	3°38	0°10	1°31	12°10	16°43	F 27
S 28	0 54 50	11°48'06	0♎45	9°22	25° 9	26°20	23°51	1°29	4°30	27°47	3°40	0° 3	1°28	12°17	16°46	S 28
S 29	0 58 46	12°47'43	15°49	8°13	26°24	27° 3	24° 4	1°27	4°28	27°47	3°41	29♉56	1°24	12°23	16°48	S 29
M30	1 2 43	13♎47'21	0♏40	7♎10	27♎39	27♐46	24♎17	1♓24	4♈25	27♋48	3♐43	29♉51	1♊21	12♓30	16♋50	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n51	0n42	4n 6	6s53	2s31	4n37	1n20	23s52	2s11	6s 9	1n 5	12s17	2s 4	1n33	0s44	20n34	0s15	10s58	10n 4	20n42	20n49	12s52	16n33	6s 9
M 2	5 28	5s49	3 13	7 24	2 38	4 6	1 20	23 58	2 11	6 14	1 5	12 19	2 4	1 32	0 44	20 33	0 15	10 59	10 4	20 41	20 49	12 49	16 32	6 9
T 3	5 5	11 52	2 9	7 52	2 46	3 36	1 19	24 4	2 11	6 19	1 5	12 21	2 4	1 31	0 44	20 33	0 15	11 0	10 3	20 40	20 48	12 46	16 31	6 10
W 4	4 42	17 7	0 59	8 20	2 53	3 5	1 18	24 10	2 11	6 23	1 5	12 22	2 4	1 30	0 44	20 33	0 15	11 0	10 3	20 39	20 47	12 44	16 30	6 10
T 5	4 19	21 19	0s12	8 46	3 0	2 35	1 17	24 16	2 10	6 28	1 5	12 24	2 4	1 29	0 44	20 32	0 15	11 1	10 3	20 39	20 47	12 41	16 29	6 11
F 6	3 56	24 17	1 21	9 10	3 6	2 4	1 16	24 21	2 10	6 33	1 5	12 25	2 4	1 28	0 44	20 32	0 15	11 1	10 2	20 39	20 46	12 38	16 28	6 11
S 7	3 33	25 55	2 23	9 32	3 12	1 33	1 15	24 27	2 10	6 38	1 5	12 27	2 4	1 27	0 44	20 32	0 15	11 2	10 2	20 39	20 46	12 36	16 27	6 12
S 8	3 10	26 13	3 17	9 53	3 18	1 2	1 14	24 32	2 10	6 42	1 5	12 28	2 4	1 26	0 44	20 32	0 15	11 2	10 1	20 39	20 45	12 33	16 26	6 12
M 9	2 46	25 14	4 1	10 11	3 23	0 31	1 12	24 37	2 9	6 47	1 5	12 30	2 4	1 25	0 44	20 31	0 15	11 3	10 1	20 38	20 44	12 30	16 25	6 13
T 10	2 23	23 6	4 34	10 27	3 27	0 0	1 11	24 41	2 9	6 52	1 4	12 31	2 4	1 24	0 44	20 31	0 15	11 4	10 1	20 36	20 44	12 28	16 24	6 14
W11	1 59	19 59	4 54	10 40	3 31	0s31	1 10	24 46	2 9	6 57	1 4	12 33	2 4	1 23	0 44	20 31	0 15	11 4	10 0	20 35	20 43	12 25	16 23	6 14
T 12	1 36	16 4	5 2	10 51	3 34	1 2	1 8	24 50	2 8	7 2	1 4	12 34	2 4	1 22	0 44	20 31	0 15	11 5	10 0	20 32	20 42	12 22	16 22	6 15
F 13	1 12	11 32	4 57	10 58	3 37	1 33	1 7	24 54	2 8	7 6	1 4	12 36	2 3	1 22	0 44	20 30	0 15	11 5	9 59	20 30	20 42	12 20	16 21	6 15
S 14	0 49	6 34	4 38	11 3	3 38	2 4	1 5	24 58	2 8	7 11	1 4	12 37	2 3	1 21	0 44	20 30	0 15	11 6	9 59	20 27	20 41	12 17	16 20	6 16
S 15	0 25	1 20	4 8	11 3	3 38	2 35	1 4	25 2	2 7	7 16	1 4	12 38	2 3	1 20	0 44	20 30	0 15	11 7	9 59	20 25	20 41	12 14	16 19	6 17
M16	0 2	3n59	3 26	11 0	3 37	3 6	1 2	25 6	2 7	7 21	1 4	12 40	2 3	1 19	0 44	20 30	0 15	11 7	9 58	20 23	20 40	12 12	16 18	6 17
T 17	0s22	9 12	2 34	10 53	3 35	3 37	1 1	25 9	2 7	7 26	1 4	12 41	2 3	1 18	0 44	20 29	0 15	11 8	9 58	20 22	20 39	12 9	16 17	6 18
W18	0 46	14 9	1 35	10 42	3 31	4 8	0 59	25 12	2 6	7 30	1 4	12 42	2 3	1 17	0 44	20 29	0 15	11 8	9 57	20 21	20 39	12 6	16 16	6 18
T 19	1 9	18 35	0 30	10 26	3 26	4 38	0 57	25 15	2 6	7 35	1 4	12 44	2 3	1 16	0 44	20 29	0 15	11 9	9 57	20 20	20 38	12 3	16 15	6 19
F 20	1 33	22 17	0n38	10 5	3 19	5 9	0 55	25 18	2 5	7 40	1 4	12 45	2 3	1 15	0 44	20 29	0 15	11 10	9 57	20 20	20 37	12 1	16 14	6 20
S 21	1 56	24 56	1 45	9 39	3 10	5 40	0 54	25 20	2 5	7 45	1 3	12 46	2 3	1 14	0 44	20 28	0 15	11 10	9 56	20 21	20 37	11 58	16 14	6 20
S 22	2 20	26 17	2 48	9 9	2 59	6 10	0 52	25 22	2 5	7 50	1 3	12 47	2 3	1 13	0 44	20 28	0 15	11 11	9 56	20 21	20 36	11 55	16 13	6 21
M23	2 44	26 7	3 44	8 34	2 47	6 40	0 50	25 24	2 4	7 55	1 3	12 48	2 3	1 12	0 44	20 28	0 15	11 12	9 56	20 21	20 35	11 52	16 12	6 22
T 24	3 7	24 18	4 28	7 56	2 32	7 10	0 48	25 26	2 4	8 0	1 3	12 49	2 3	1 11	0 44	20 28	0 15	11 12	9 55	20 20	20 35	11 50	16 11	6 22
W25	3 31	20 54	4 57	7 14	2 16	7 41	0 46	25 28	2 3	8 4	1 3	12 51	2 3	1 10	0 44	20 28	0 15	11 13	9 55	20 19	20 34	11 47	16 10	6 23
T 26	3 54	16 6	5 7	6 29	1 58	8 10	0 44	25 29	2 3	8 9	1 3	12 52	2 3	1 9	0 44	20 27	0 15	11 13	9 54	20 18	20 33	11 44	16 9	6 23
F 27	4 18	10 14	4 56	5 43	1 39	8 40	0 42	25 30	2 2	8 14	1 3	12 53	2 3	1 8	0 44	20 27	0 15	11 14	9 54	20 16	20 33	11 42	16 8	6 24
S 28	4 41	3 44	4 24	4 56	1 19	9 10	0 39	25 31	2 2	8 19	1 3	12 54	2 3	1 7	0 44	20 27	0 15	11 15	9 54	20 15	20 32	11 39	16 7	6 25
S 29	5 4	2s57	3 34	4 10	0 59	9 39	0 37	25 31	2 1	8 24	1 3	12 55	2 2	1 6	0 44	20 27	0 15	11 15	9 53	20 13	20 32	11 36	16 6	6 25
M30	5s28	9s24	2n31	3s26	0s38	10s 8	0n35	25s32	2s 1	8s29	1n 3	12s56	2s 2	1n 5	0s44	20n27	0s15	11s16	9n53	20n12	20n31	11s33	16n 5	6s26

Julian Day Number = 2180785.5, Delta T = 11m31s
Ecliptic obliquity = 23°32'13, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'07, Lahiri = 13°31'08 Julian Calendar 1 Sept. 1258 == Greg. Calendar 8 Sept. 1258

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

OCTOBER 1258 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 6 39	14♎47'02	15♏10	6°R14	28♎54	28♐29	24♎30	1°R21	4°R23	27♋49	3♐45	29°R48	1♊18	12♓37	16♋52	T 1
W 2	1 10 36	15°46'45	29°13	5♎27	0♏ 8	29°12	24°43	1♓18	4♈20	27°50	3°46	29°D47	1°15	12°44	16°54	W 2
T 3	1 14 33	16°46'29	12♐49	4°50	1°23	29°55	24°56	1°16	4°18	27°51	3°48	29♉48	1°12	12°50	16°55	T 3
F 4	1 18 29	17°46'16	25°57	4°23	2°38	0♑38	25° 9	1°13	4°16	27°51	3°50	29°49	1° 8	12°57	16°57	F 4
S 5	1 22 26	18°46'04	8♑42	4° 8	3°53	1°21	25°22	1°11	4°13	27°52	3°52	29°50	1° 5	13° 4	16°59	S 5
S 6	1 26 22	19°45'53	21° 7	4°D 4	5° 8	2° 5	25°35	1° 9	4°11	27°53	3°53	29°R51	1° 2	13°10	17° 0	S 6
M 7	1 30 19	20°45'45	3♒17	4°12	6°23	2°48	25°49	1° 7	4° 9	27°53	3°55	29°50	0°59	13°17	17° 2	M 7
T 8	1 34 15	21°45'38	15°17	4°30	7°37	3°32	26° 2	1° 5	4° 6	27°54	3°57	29°47	0°56	13°24	17° 3	T 8
W 9	1 38 12	22°45'33	27°10	4°58	8°52	4°16	26°15	1° 3	4° 4	27°54	3°59	29°43	0°53	13°31	17° 4	W 9
T 10	1 42 8	23°45'30	9♓ 2	5°35	10° 7	4°59	26°28	1° 1	4° 2	27°55	4° 1	29°37	0°49	13°37	17° 6	T 10
F 11	1 46 5	24°45'28	20°55	6°21	11°22	5°43	26°41	0°59	4° 0	27°55	4° 3	29°31	0°46	13°44	17° 7	F 11
S 12	1 50 2	25°45'28	2♈53	7°15	12°37	6°27	26°54	0°57	3°57	27°56	4° 4	29°24	0°43	13°51	17° 8	S 12
S 13	1 53 58	26°45'30	14°56	8°15	13°51	7°11	27° 8	0°56	3°55	27°56	4° 6	29°18	0°40	13°57	17° 8	S 13
M14	1 57 55	27°45'34	27° 7	9°21	15° 6	7°55	27°21	0°54	3°53	27°56	4° 8	29°13	0°37	14° 4	17° 9	M14
T 15	2 1 51	28°45'39	9♉26	10°32	16°21	8°39	27°34	0°53	3°51	27°57	4°10	29°10	0°33	14°11	17°10	T 15
W16	2 5 48	29°45'47	21°56	11°47	17°36	9°23	27°47	0°51	3°49	27°57	4°12	29° 9	0°30	14°18	17°10	W16
T 17	2 9 44	0♏45'57	4♊36	13° 7	18°50	10° 7	28° 0	0°50	3°47	27°57	4°14	29°D 9	0°27	14°24	17°11	T 17
F 18	2 13 41	1°46'08	17°29	14°29	20° 5	10°52	28°13	0°49	3°45	27°57	4°16	29°10	0°24	14°31	17°11	F 18
S 19	2 17 37	2°46'22	0♋35	15°55	21°20	11°36	28°27	0°48	3°43	27°58	4°18	29°11	0°21	14°38	17°12	S 19
S 20	2 21 34	3°46'38	13°57	17°22	22°35	12°20	28°40	0°47	3°40	27°58	4°20	29°13	0°18	14°44	17°12	S 20
M21	2 25 31	4°46'56	27°34	18°51	23°50	13° 5	28°53	0°47	3°38	27°58	4°22	29°14	0°14	14°51	17°12	M21
T 22	2 29 27	5°47'16	11♌29	20°22	25° 4	13°49	29° 6	0°46	3°37	27°58	4°24	29°R14	0°11	14°58	17°R12	T 22
W23	2 33 24	6°47'37	25°41	21°54	26°19	14°34	29°19	0°45	3°35	27°58	4°27	29°13	0° 8	15° 5	17°12	W23
T 24	2 37 20	7°48'01	10♍ 8	23°27	27°34	15°19	29°32	0°45	3°33	27°R58	4°29	29°11	0° 5	15°11	17°12	T 24
F 25	2 41 17	8°48'27	24°46	25° 1	28°49	16° 3	29°45	0°44	3°31	27°58	4°31	29° 8	0° 2	15°18	17°11	F 25
S 26	2 45 13	9°48'55	9♎30	26°35	0♐ 3	16°48	29°59	0°44	3°29	27°58	4°33	29° 5	29♉59	15°25	17°11	S 26
S 27	2 49 10	10°49'24	24°12	28°10	1°18	17°33	0♏12	0°44	3°27	27°58	4°35	29° 3	29°55	15°32	17°11	S 27
M28	2 53 6	11°49'56	8♏46	29°45	2°33	18°18	0°25	0°D44	3°25	27°58	4°37	29° 1	29°52	15°38	17°10	M28
T 29	2 57 3	12°50'29	23° 5	1♏21	3°48	19° 3	0°38	0°44	3°24	27°58	4°39	29°D 0	29°49	15°45	17° 9	T 29
W30	3 1 0	13°51'03	7♐ 4	2°56	5° 2	19°48	0°51	0°44	3°22	27°58	4°42	29° 0	29°46	15°52	17° 9	W30
T 31	3 4 56	14♏51'39	20♐40	4♏32	6♐17	20♑33	1♏ 4	0♓44	3♈20	27♋57	4♐44	29♉ 1	29♉43	15♓58	17♋ 8	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s51	15s12	1n18	2s45	0s18	10s37	0n33	25s32	2s 0	8s34	1n 3	12s56	2s 2	1n 4	0s44	20n27	0s15	11s17	9n53	20n11	20n30	11s30	16n 4	6s27
W 2	6 14	20 1	0 3	2 8	0n 2	11 5	0 31	25 32	2 0	8 38	1 3	12 57	2 2	1 3	0 44	20 26	0 15	11 17	9 52	20 11	20 30	11 28	16 3	6 27
T 3	6 37	23 35	1s10	1 36	0 21	11 34	0 28	25 31	1 59	8 43	1 3	12 58	2 2	1 2	0 44	20 26	0 15	11 18	9 52	20 11	20 29	11 25	16 3	6 28
F 4	7 0	25 45	2 17	1 10	0 39	12 2	0 26	25 31	1 59	8 48	1 3	12 59	2 2	1 1	0 44	20 26	0 15	11 18	9 52	20 12	20 28	11 22	16 2	6 29
S 5	7 23	26 30	3 15	0 49	0 55	12 30	0 24	25 30	1 58	8 53	1 3	13 0	2 2	1 1	0 44	20 26	0 15	11 19	9 51	20 12	20 28	11 19	16 1	6 29
S 6	7 46	25 52	4 3	0 34	1 9	12 57	0 21	25 29	1 57	8 58	1 3	13 0	2 2	1 0	0 44	20 26	0 15	11 20	9 51	20 12	20 27	11 17	16 0	6 30
M 7	8 8	24 0	4 38	0 25	1 22	13 24	0 19	25 27	1 57	9 3	1 2	13 1	2 2	0 59	0 44	20 26	0 15	11 20	9 51	20 12	20 26	11 14	15 59	6 31
T 8	8 31	21 6	5 1	0 22	1 33	13 51	0 16	25 26	1 56	9 7	1 2	13 2	2 1	0 58	0 44	20 26	0 15	11 21	9 51	20 11	20 26	11 11	15 58	6 31
W 9	8 53	17 21	5 10	0 24	1 43	14 18	0 14	25 24	1 56	9 12	1 2	13 2	2 1	0 57	0 44	20 26	0 15	11 22	9 50	20 10	20 25	11 8	15 57	6 32
T 10	9 16	12 56	5 6	0 32	1 51	14 44	0 11	25 22	1 55	9 17	1 2	13 3	2 1	0 56	0 44	20 26	0 15	11 22	9 50	20 9	20 24	11 5	15 57	6 33
F 11	9 38	8 2	4 49	0 44	1 57	15 10	0 9	25 19	1 55	9 22	1 2	13 3	2 1	0 55	0 44	20 25	0 15	11 23	9 50	20 8	20 24	11 3	15 56	6 33
S 12	10 0	2 49	4 20	1 1	2 2	15 35	0 6	25 17	1 54	9 27	1 2	13 4	2 1	0 54	0 44	20 25	0 15	11 23	9 49	20 6	20 23	11 0	15 55	6 34
S 13	10 21	2n33	3 38	1 21	2 6	16 0	0 4	25 14	1 53	9 31	1 2	13 4	2 1	0 53	0 44	20 25	0 15	11 24	9 49	20 5	20 22	10 57	15 54	6 35
M14	10 43	7 54	2 46	1 45	2 8	16 25	0 1	25 10	1 53	9 36	1 2	13 5	2 1	0 53	0 44	20 25	0 15	11 25	9 49	20 4	20 22	10 54	15 54	6 35
T 15	11 5	13 1	1 46	2 12	2 10	16 49	0s 1	25 7	1 52	9 41	1 2	13 5	2 1	0 52	0 44	20 25	0 15	11 25	9 48	20 3	20 21	10 51	15 53	6 36
W16	11 26	17 41	0 39	2 41	2 10	17 12	0 4	25 3	1 51	9 46	1 2	13 5	2 0	0 51	0 44	20 25	0 15	11 26	9 48	20 3	20 20	10 49	15 52	6 37
T 17	11 47	21 38	0n30	3 13	2 10	17 36	0 6	24 59	1 51	9 50	1 2	13 6	2 0	0 50	0 44	20 25	0 15	11 26	9 48	20 3	20 20	10 46	15 51	6 37
F 18	12 8	24 35	1 39	3 46	2 8	17 59	0 9	24 55	1 50	9 55	1 2	13 6	2 0	0 49	0 44	20 25	0 15	11 27	9 48	20 3	20 19	10 43	15 51	6 38
S 19	12 29	26 16	2 44	4 21	2 6	18 21	0 11	24 51	1 49	10 0	1 2	13 6	2 0	0 49	0 44	20 25	0 15	11 28	9 47	20 3	20 18	10 40	15 50	6 39
S 20	12 50	26 29	3 42	4 57	2 3	18 43	0 14	24 46	1 49	10 5	1 2	13 6	2 0	0 48	0 44	20 25	0 15	11 28	9 47	20 4	20 18	10 37	15 49	6 39
M21	13 10	25 6	4 28	5 34	2 0	19 4	0 16	24 41	1 48	10 9	1 2	13 7	2 0	0 47	0 44	20 25	0 15	11 29	9 47	20 4	20 17	10 35	15 48	6 40
T 22	13 30	22 12	5 0	6 12	1 56	19 25	0 19	24 36	1 47	10 14	1 2	13 7	2 0	0 46	0 44	20 25	0 15	11 30	9 47	20 4	20 16	10 32	15 48	6 41
W23	13 50	17 56	5 14	6 51	1 51	19 46	0 22	24 30	1 47	10 19	1 2	13 7	2 0	0 45	0 44	20 25	0 15	11 30	9 46	20 4	20 16	10 29	15 47	6 42
T 24	14 10	12 33	5 9	7 30	1 47	20 5	0 24	24 24	1 46	10 23	1 2	13 7	1 59	0 45	0 44	20 25	0 15	11 31	9 46	20 3	20 15	10 26	15 47	6 42
F 25	14 30	6 26	4 44	8 9	1 41	20 25	0 27	24 18	1 45	10 28	1 2	13 7	1 59	0 44	0 44	20 25	0 15	11 31	9 46	20 3	20 14	10 23	15 46	6 43
S 26	14 49	0s 6	4 0	8 48	1 36	20 43	0 29	24 12	1 45	10 33	1 2	13 7	1 59	0 43	0 44	20 25	0 15	11 32	9 46	20 2	20 14	10 20	15 45	6 44
S 27	15 8	6 38	3 0	9 28	1 30	21 1	0 32	24 6	1 44	10 37	1 2	13 7	1 59	0 43	0 44	20 25	0 15	11 32	9 46	20 2	20 13	10 18	15 45	6 44
M28	15 27	12 45	1 49	10 7	1 24	21 19	0 34	23 59	1 43	10 42	1 2	13 6	1 59	0 42	0 44	20 25	0 15	11 33	9 45	20 1	20 12	10 15	15 44	6 45
T 29	15 45	18 6	0 33	10 46	1 18	21 36	0 37	23 52	1 42	10 46	1 2	13 6	1 59	0 41	0 44	20 25	0 15	11 34	9 45	20 1	20 12	10 12	15 43	6 46
W30	16 4	22 18	0s44	11 25	1 12	21 52	0 39	23 45	1 42	10 51	1 2	13 6	1 59	0 41	0 44	20 25	0 15	11 34	9 45	20 1	20 11	10 9	15 43	6 46
T 31	16s22	25s 9	1s57	12s 3	1n 5	22s 8	0s42	23s37	1s41	10s55	1n 2	13s 6	1s58	0n40	0s44	20n25	0s15	11s35	9n45	20n 1	20n10	10s 6	15n42	6s47

Julian Day Number = 2180815.5, Delta T = 11m31s
Ecliptic obliquity = 23°32'13, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'11, Lahiri = 13°31'12 Julian Calendar 1 Oct. 1258 == Greg. Calendar 8 Oct. 1258

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

NOVEMBER 1258 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 8 53	15♏52'17	3♑52	6♏ 7	7♐32	21♑18	1♏17	0♓45	3°R19	27°R57	4♐46	29♉ 2	29♉39	16♓ 5	17°R 7	F 1
S 2	3 12 49	16°52'55	16°41	7°43	8°47	22° 3	1°30	0°45	3♈17	27♋57	4°48	29° 4	29°36	16°12	17♋ 6	S 2
S 3	3 16 46	17°53'35	29°11	9°19	10° 1	22°48	1°43	0°46	3°16	27°56	4°50	29° 5	29°33	16°19	17° 5	S 3
M 4	3 20 42	18°54'16	11♒24	10°54	11°16	23°33	1°56	0°47	3°14	27°56	4°53	29° 5	29°30	16°25	17° 3	M 4
T 5	3 24 39	19°54'59	23°26	12°29	12°31	24°19	2° 9	0°47	3°13	27°56	4°55	29°R 5	29°27	16°32	17° 2	T 5
W 6	3 28 35	20°55'42	5♓20	14° 5	13°46	25° 4	2°21	0°48	3°11	27°55	4°57	29° 5	29°24	16°39	17° 1	W 6
T 7	3 32 32	21°56'26	17°12	15°40	15° 0	25°49	2°34	0°49	3°10	27°55	4°59	29° 4	29°20	16°45	16°59	T 7
F 8	3 36 29	22°57'12	29° 6	17°15	16°15	26°35	2°47	0°51	3° 9	27°54	5° 2	29° 3	29°17	16°52	16°58	F 8
S 9	3 40 25	23°57'58	11♈ 6	18°50	17°30	27°20	3° 0	0°52	3° 7	27°54	5° 4	29° 3	29°14	16°59	16°56	S 9
S 10	3 44 22	24°58'46	23°15	20°24	18°44	28° 5	3°13	0°53	3° 6	27°53	5° 6	29° 2	29°11	17° 6	16°54	S 10
M11	3 48 18	25°59'35	5♉35	21°59	19°59	28°51	3°25	0°55	3° 5	27°53	5° 8	29° 2	29° 8	17°12	16°52	M11
T 12	3 52 15	27° 0'25	18° 9	23°34	21°13	29°36	3°38	0°56	3° 4	27°52	5°11	29° 1	29° 5	17°19	16°50	T 12
W13	3 56 11	28° 1'16	0♊58	25° 8	22°28	0♒22	3°50	0°58	3° 3	27°51	5°13	29°D 1	29° 1	17°26	16°48	W13
T 14	4 0 8	29° 2'08	14° 0	26°43	23°43	1° 7	4° 3	1° 0	3° 1	27°51	5°15	29°R 1	28°58	17°32	16°46	T 14
F 15	4 4 4	0♐ 3'02	27°17	28°17	24°57	1°53	4°16	1° 1	3° 0	27°50	5°18	29° 1	28°55	17°39	16°44	F 15
S 16	4 8 1	1° 3'56	10♋47	29°51	26°12	2°38	4°28	1° 3	3° 0	27°49	5°20	29° 1	28°52	17°46	16°42	S 16
S 17	4 11 58	2° 4'53	24°28	1♐26	27°26	3°24	4°41	1° 5	2°59	27°48	5°22	29° 1	28°49	17°53	16°39	S 17
M18	4 15 54	3° 5'50	8♌20	3° 0	28°41	4°10	4°53	1° 8	2°58	27°48	5°25	29° 0	28°45	17°59	16°37	M18
T 19	4 19 51	4° 6'48	22°21	4°34	29°56	4°55	5° 5	1°10	2°57	27°47	5°27	29° 0	28°42	18° 6	16°34	T 19
W20	4 23 47	5° 7'48	6♍28	6° 8	1♑10	5°41	5°18	1°12	2°56	27°46	5°29	29°D 0	28°39	18°13	16°32	W20
T 21	4 27 44	6° 8'49	20°41	7°43	2°25	6°26	5°30	1°15	2°55	27°45	5°32	29° 0	28°36	18°19	16°29	T 21
F 22	4 31 40	7° 9'51	4♎56	9°17	3°39	7°12	5°42	1°17	2°55	27°44	5°34	29° 1	28°33	18°26	16°26	F 22
S 23	4 35 37	8°10'54	19°12	10°51	4°54	7°58	5°54	1°20	2°54	27°43	5°36	29° 2	28°30	18°33	16°23	S 23
S 24	4 39 33	9°11'59	3♏24	12°26	6° 8	8°43	6° 6	1°23	2°53	27°42	5°38	29° 2	28°26	18°40	16°21	S 24
M25	4 43 30	10°13'04	17°30	14° 1	7°23	9°29	6°18	1°26	2°53	27°41	5°41	29° 3	28°23	18°46	16°18	M25
T 26	4 47 27	11°14'10	1♐25	15°35	8°37	10°15	6°30	1°29	2°52	27°40	5°43	29°R 3	28°20	18°53	16°15	T 26
W27	4 51 23	12°15'17	15° 7	17°10	9°52	11° 1	6°42	1°32	2°52	27°39	5°45	29° 3	28°17	19° 0	16°11	W27
T 28	4 55 20	13°16'25	28°31	18°45	11° 6	11°46	6°54	1°35	2°52	27°38	5°48	29° 2	28°14	19° 6	16° 8	T 28
F 29	4 59 16	14°17'34	11♑38	20°20	12°21	12°32	7° 6	1°38	2°51	27°37	5°50	29° 0	28°11	19°13	16° 5	F 29
S 30	5 3 13	15♐18'42	24♑26	21♐55	13♑35	13♒18	7♏18	1♓41	2♈51	27♋36	5♐52	28♉57	28♉ 7	19♓20	16♋ 2	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s39	26s30	3s 1	12s41	0n59	22s23	0s44	23s29	1s40	11s 0	1n 2	13s 6	1s58	0n39	0s44	20n25	0s15	11s35	9n44	20n 2	20n10	10s 3	15n42	6s47
S 2	16 57	26 22	3 54	13 19	0 52	22 37	0 47	23 21	1 39	11 5	1 2	13 5	1 58	0 39	0 44	20 25	0 15	11 36	9 44	20 2	20 9	10 0	15 41	6 48
S 3	17 14	24 53	4 35	13 56	0 45	22 51	0 49	23 13	1 39	11 9	1 2	13 5	1 58	0 38	0 43	20 25	0 15	11 36	9 44	20 2	20 8	9 57	15 41	6 49
M 4	17 31	22 15	5 2	14 33	0 39	23 4	0 52	23 5	1 38	11 13	1 2	13 5	1 58	0 38	0 43	20 25	0 15	11 37	9 44	20 2	20 8	9 55	15 40	6 49
T 5	17 47	18 43	5 15	15 9	0 32	23 17	0 54	22 56	1 37	11 18	1 2	13 4	1 58	0 37	0 43	20 25	0 15	11 38	9 44	20 2	20 7	9 52	15 40	6 50
W 6	18 4	14 28	5 15	15 44	0 25	23 29	0 56	22 47	1 36	11 22	1 2	13 4	1 57	0 37	0 43	20 25	0 15	11 38	9 44	20 2	20 6	9 49	15 39	6 51
T 7	18 20	9 41	5 1	16 18	0 18	23 40	0 59	22 38	1 36	11 27	1 2	13 3	1 57	0 36	0 43	20 26	0 15	11 39	9 43	20 2	20 5	9 46	15 39	6 51
F 8	18 35	4 33	4 34	16 52	0 11	23 50	1 1	22 28	1 35	11 31	1 2	13 3	1 57	0 36	0 43	20 26	0 15	11 39	9 43	20 2	20 5	9 43	15 39	6 52
S 9	18 50	0n48	3 56	17 25	0 5	24 0	1 3	22 19	1 34	11 35	1 2	13 2	1 57	0 35	0 43	20 26	0 14	11 40	9 43	20 2	20 4	9 40	15 38	6 53
S 10	19 5	6 12	3 6	17 57	0s 2	24 8	1 5	22 9	1 33	11 40	1 2	13 1	1 57	0 35	0 43	20 26	0 14	11 40	9 43	20 1	20 3	9 37	15 38	6 53
M11	19 20	11 27	2 6	18 29	0 9	24 17	1 7	21 59	1 32	11 44	1 2	13 1	1 57	0 34	0 43	20 26	0 14	11 41	9 43	20 1	20 3	9 34	15 37	6 54
T 12	19 34	16 21	1 0	18 59	0 16	24 24	1 10	21 48	1 32	11 48	1 2	13 0	1 57	0 34	0 43	20 26	0 14	11 41	9 43	20 1	20 2	9 32	15 37	6 54
W13	19 48	20 37	0n11	19 29	0 22	24 31	1 12	21 38	1 31	11 53	1 2	12 59	1 56	0 33	0 43	20 26	0 14	11 42	9 43	20 1	20 1	9 29	15 37	6 55
T 14	20 1	23 56	1 22	19 58	0 29	24 37	1 14	21 27	1 30	11 57	1 2	12 59	1 56	0 33	0 43	20 26	0 14	11 42	9 42	20 1	20 1	9 26	15 36	6 55
F 15	20 15	26 1	2 30	20 26	0 35	24 42	1 16	21 16	1 29	12 1	1 2	12 58	1 56	0 33	0 43	20 27	0 14	11 43	9 42	20 1	20 0	9 23	15 36	6 56
S 16	20 27	26 37	3 31	20 52	0 41	24 47	1 18	21 5	1 28	12 5	1 2	12 57	1 56	0 32	0 43	20 27	0 14	11 43	9 42	20 1	19 59	9 20	15 36	6 57
S 17	20 40	25 36	4 21	21 18	0 47	24 50	1 20	20 54	1 27	12 9	1 2	12 56	1 56	0 32	0 43	20 27	0 14	11 44	9 42	20 1	19 59	9 17	15 36	6 57
M18	20 52	23 1	4 57	21 43	0 53	24 53	1 21	20 42	1 27	12 14	1 2	12 55	1 56	0 32	0 43	20 27	0 14	11 44	9 42	20 1	19 58	9 14	15 35	6 58
T 19	21 3	19 4	5 15	22 7	0 59	24 55	1 23	20 30	1 26	12 18	1 2	12 54	1 56	0 31	0 43	20 27	0 14	11 45	9 42	20 1	19 57	9 11	15 35	6 58
W20	21 14	14 2	5 14	22 29	1 5	24 57	1 25	20 18	1 25	12 22	1 2	12 53	1 55	0 31	0 43	20 27	0 14	11 45	9 42	20 1	19 56	9 8	15 35	6 59
T 21	21 25	8 13	4 55	22 51	1 11	24 58	1 27	20 6	1 24	12 26	1 2	12 52	1 55	0 31	0 43	20 28	0 14	11 46	9 42	20 1	19 56	9 5	15 35	6 59
F 22	21 36	1 57	4 17	23 11	1 16	24 58	1 28	19 53	1 23	12 30	1 2	12 51	1 55	0 30	0 43	20 28	0 14	11 46	9 42	20 1	19 55	9 2	15 34	7 0
S 23	21 46	4s25	3 23	23 30	1 21	24 57	1 30	19 41	1 22	12 34	1 2	12 50	1 55	0 30	0 43	20 28	0 14	11 47	9 42	20 1	19 54	8 59	15 34	7 0
S 24	21 55	10 33	2 17	23 48	1 26	24 55	1 32	19 28	1 22	12 38	1 2	12 49	1 55	0 30	0 43	20 28	0 14	11 47	9 41	20 2	19 54	8 57	15 34	7 1
M25	22 4	16 6	1 4	24 5	1 31	24 53	1 33	19 15	1 21	12 42	1 2	12 48	1 55	0 30	0 43	20 28	0 14	11 48	9 41	20 2	19 53	8 54	15 34	7 1
T 26	22 13	20 45	0s13	24 21	1 36	24 50	1 34	19 2	1 20	12 46	1 3	12 46	1 54	0 30	0 43	20 29	0 14	11 48	9 41	20 2	19 52	8 51	15 34	7 2
W27	22 21	24 9	1 28	24 35	1 40	24 46	1 36	18 48	1 19	12 49	1 3	12 45	1 54	0 30	0 43	20 29	0 14	11 49	9 41	20 2	19 51	8 48	15 34	7 2
T 28	22 29	26 7	2 36	24 48	1 45	24 41	1 37	18 35	1 18	12 53	1 3	12 44	1 54	0 29	0 43	20 29	0 14	11 49	9 41	20 1	19 51	8 45	15 34	7 3
F 29	22 36	26 35	3 34	24 59	1 49	24 36	1 38	18 21	1 17	12 57	1 3	12 43	1 54	0 29	0 43	20 29	0 14	11 49	9 41	20 1	19 50	8 42	15 34	7 3
S 30	22s43	25s35	4s20	25s 9	1s52	24s29	1s40	18s 7	1s16	13s 1	1n 3	12s41	1s54	0n29	0s43	20n29	0s14	11s50	9n41	20n 0	19n49	8s39	15n33	7s 4

Julian Day Number = 2180846.5, Delta T = 11m31s
Ecliptic obliquity = 23°32'12, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'16, Lahiri = 13°31'16 Julian Calendar 1 Nov. 1258 == Greg. Calendar 8 Nov. 1258

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ASTRODIENST EPHEMERIS for the year 1258
geocentric

DECEMBER 1258 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 7 9	16♐19'51	6♒56	23♐30	14♑49	14♒ 4	7♏29	1♓45	2°R51	27°R35	5♐55	28°R54	28♉ 4	19♓27	15°R58	S 1
M 2	5 11 6	17°21'01	19°12	25° 6	16° 4	14°50	7°41	1°48	2♈51	27♋33	5°57	28♉52	28° 1	19°33	15♋55	M 2
T 3	5 15 3	18°22'10	1♓15	26°41	17°18	15°35	7°53	1°52	2°50	27°32	5°59	28°50	27°58	19°40	15°51	T 3
W 4	5 18 59	19°23'20	13°10	28°17	18°32	16°21	8° 4	1°56	2°50	27°31	6° 1	28°49	27°55	19°47	15°48	W 4
T 5	5 22 56	20°24'30	25° 1	29°53	19°47	17° 7	8°15	2° 0	2°D50	27°30	6° 4	28°D49	27°51	19°53	15°44	T 5
F 6	5 26 52	21°25'40	6♈55	1♑28	21° 1	17°53	8°27	2° 3	2°50	27°28	6° 6	28°50	27°48	20° 0	15°40	F 6
S 7	5 30 49	22°26'50	18°54	3° 4	22°15	18°39	8°38	2° 7	2°51	27°27	6° 8	28°51	27°45	20° 7	15°37	S 7
S 8	5 34 45	23°28'00	1♉ 5	4°40	23°29	19°24	8°49	2°12	2°51	27°26	6°10	28°53	27°42	20°14	15°33	S 8
M 9	5 38 42	24°29'10	13°30	6°16	24°44	20°10	9° 0	2°16	2°51	27°25	6°13	28°55	27°39	20°20	15°29	M 9
T 10	5 42 38	25°30'20	26°14	7°52	25°58	20°56	9°11	2°20	2°51	27°23	6°15	28°R56	27°36	20°27	15°25	T 10
W11	5 46 35	26°31'31	9♊18	9°27	27°12	21°42	9°22	2°24	2°51	27°22	6°17	28°55	27°32	20°34	15°21	W11
T 12	5 50 32	27°32'41	22°42	11° 2	28°26	22°28	9°33	2°29	2°52	27°20	6°19	28°53	27°29	20°40	15°17	T 12
F 13	5 54 28	28°33'52	6♋25	12°37	29°40	23°13	9°44	2°33	2°52	27°19	6°21	28°50	27°26	20°47	15°13	F 13
S 14	5 58 25	29°35'02	20°24	14°11	0♒54	23°59	9°54	2°38	2°53	27°18	6°23	28°46	27°23	20°54	15° 9	S 14
S 15	6 2 21	0♑36'13	4♌35	15°45	2° 8	24°45	10° 5	2°42	2°53	27°16	6°26	28°40	27°20	21° 1	15° 5	S 15
M16	6 6 18	1°37'24	18°53	17°18	3°22	25°31	10°16	2°47	2°54	27°15	6°28	28°35	27°17	21° 7	15° 1	M16
T 17	6 10 14	2°38'35	3♍13	18°49	4°36	26°16	10°26	2°52	2°54	27°13	6°30	28°31	27°13	21°14	14°57	T 17
W18	6 14 11	3°39'46	17°31	20°20	5°50	27° 2	10°36	2°57	2°55	27°12	6°32	28°29	27°10	21°21	14°53	W18
T 19	6 18 7	4°40'57	1♎43	21°48	7° 4	27°48	10°46	3° 2	2°56	27°10	6°34	28°D27	27° 7	21°27	14°49	T 19
F 20	6 22 4	5°42'09	15°48	23°15	8°17	28°33	10°57	3° 7	2°56	27° 8	6°36	28°28	27° 4	21°34	14°44	F 20
S 21	6 26 1	6°43'20	29°44	24°39	9°31	29°19	11° 7	3°12	2°57	27° 7	6°38	28°29	27° 1	21°41	14°40	S 21
S 22	6 29 57	7°44'32	13♏32	26° 1	10°45	0♓ 5	11°17	3°17	2°58	27° 5	6°40	28°31	26°57	21°48	14°36	S 22
M23	6 33 54	8°45'43	27° 9	27°19	11°59	0°50	11°26	3°22	2°59	27° 4	6°42	28°R31	26°54	21°54	14°32	M23
T 24	6 37 50	9°46'55	10♐36	28°33	13°12	1°36	11°36	3°28	3° 0	27° 2	6°44	28°31	26°51	22° 1	14°27	T 24
W25	6 41 47	10°48'06	23°53	29°42	14°26	2°22	11°46	3°33	3° 1	27° 1	6°46	28°28	26°48	22° 8	14°23	W25
T 26	6 45 43	11°49'17	6♑57	0♒46	15°39	3° 7	11°55	3°39	3° 2	26°59	6°48	28°23	26°45	22°14	14°19	T 26
F 27	6 49 40	12°50'28	19°49	1°43	16°53	3°53	12° 5	3°44	3° 3	26°57	6°50	28°16	26°42	22°21	14°14	F 27
S 28	6 53 36	13°51'38	2♒27	2°34	18° 6	4°38	12°14	3°50	3° 4	26°56	6°52	28° 7	26°38	22°28	14°10	S 28
S 29	6 57 33	14°52'47	14°52	3°16	19°20	5°24	12°23	3°55	3° 5	26°54	6°54	27°58	26°35	22°35	14° 6	S 29
M30	7 1 30	15°53'56	27° 4	3°50	20°33	6°10	12°32	4° 1	3° 7	26°52	6°56	27°49	26°32	22°41	14° 1	M30
T 31	7 5 26	16♑55'04	9♓ 6	4♒14	21♒47	6♓55	12♏41	4♓ 7	3♈ 8	26♋51	6♐58	27♉41	26♉29	22♓48	13♋57	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s50	23s19	4s52	25s18	1s56	24s23	1s41	17s53	1s16	13s 5	1n 3	12s40	1s54	0n29	0s42	20n30	0s14	11s50	9n41	20n 0	19n49	8s36	15n33	7s 4
M 2	22 56	20 2	5 11	25 25	1 59	24 15	1 42	17 39	1 15	13 8	1 3	12 39	1 54	0 29	0 42	20 30	0 14	11 51	9 41	19 59	19 48	8 33	15 33	7 5
T 3	23 2	15 58	5 15	25 31	2 2	24 7	1 43	17 24	1 14	13 12	1 3	12 37	1 54	0 29	0 42	20 30	0 14	11 51	9 41	19 59	19 47	8 30	15 33	7 5
W 4	23 7	11 20	5 5	25 36	2 4	23 57	1 44	17 10	1 13	13 16	1 3	12 36	1 53	0 29	0 42	20 30	0 14	11 51	9 41	19 59	19 46	8 27	15 33	7 5
T 5	23 11	6 18	4 43	25 38	2 6	23 48	1 44	16 55	1 12	13 19	1 3	12 34	1 53	0 29	0 42	20 31	0 14	11 52	9 41	19 59	19 46	8 24	15 33	7 6
F 6	23 15	1 3	4 8	25 40	2 8	23 37	1 45	16 40	1 11	13 23	1 3	12 33	1 53	0 29	0 42	20 31	0 14	11 52	9 41	19 59	19 45	8 21	15 33	7 6
S 7	23 19	4n19	3 23	25 39	2 9	23 26	1 46	16 25	1 10	13 26	1 3	12 31	1 53	0 29	0 42	20 31	0 14	11 53	9 41	19 59	19 44	8 18	15 34	7 6
S 8	23 22	9 36	2 27	25 37	2 10	23 14	1 46	16 10	1 9	13 30	1 3	12 29	1 53	0 29	0 42	20 31	0 14	11 53	9 41	20 0	19 44	8 15	15 34	7 7
M 9	23 25	14 38	1 24	25 34	2 11	23 1	1 47	15 54	1 9	13 33	1 3	12 28	1 53	0 30	0 42	20 32	0 14	11 53	9 41	20 0	19 43	8 12	15 34	7 7
T 10	23 28	19 9	0 15	25 29	2 11	22 48	1 47	15 39	1 8	13 37	1 3	12 26	1 53	0 30	0 42	20 32	0 14	11 54	9 41	20 0	19 42	8 9	15 34	7 7
W11	23 29	22 52	0n57	25 22	2 10	22 34	1 48	15 23	1 7	13 40	1 3	12 25	1 53	0 30	0 42	20 32	0 14	11 54	9 41	20 0	19 41	8 6	15 34	7 8
T 12	23 31	25 26	2 7	25 13	2 9	22 19	1 48	15 7	1 6	13 44	1 4	12 23	1 52	0 30	0 42	20 33	0 14	11 54	9 41	20 0	19 41	8 3	15 34	7 8
F 13	23 32	26 33	3 11	25 3	2 8	22 4	1 48	14 51	1 5	13 47	1 4	12 21	1 52	0 30	0 42	20 33	0 14	11 55	9 41	19 59	19 40	8 0	15 34	7 8
S 14	23 32	26 1	4 5	24 52	2 6	21 48	1 48	14 35	1 4	13 50	1 4	12 19	1 52	0 30	0 42	20 33	0 14	11 55	9 41	19 58	19 39	7 57	15 34	7 9
S 15	23 32	23 48	4 45	24 38	2 3	21 32	1 48	14 19	1 3	13 53	1 4	12 18	1 52	0 31	0 42	20 33	0 14	11 55	9 41	19 57	19 39	7 54	15 35	7 9
M16	23 32	20 5	5 7	24 23	2 0	21 14	1 48	14 3	1 2	13 57	1 4	12 16	1 52	0 31	0 42	20 34	0 14	11 55	9 41	19 56	19 38	7 51	15 35	7 9
T 17	23 31	15 11	5 10	24 7	1 55	20 57	1 48	13 47	1 2	14 0	1 4	12 14	1 52	0 31	0 42	20 34	0 14	11 56	9 41	19 55	19 37	7 48	15 35	7 9
W18	23 29	9 28	4 55	23 49	1 51	20 38	1 48	13 30	1 1	14 3	1 4	12 12	1 52	0 31	0 42	20 34	0 14	11 56	9 41	19 54	19 36	7 45	15 35	7 9
T 19	23 27	3 18	4 21	23 29	1 45	20 19	1 48	13 13	1 0	14 6	1 4	12 10	1 52	0 32	0 42	20 35	0 14	11 56	9 41	19 54	19 36	7 42	15 35	7 10
F 20	23 25	3s 0	3 31	23 9	1 39	20 0	1 48	12 57	0 59	14 9	1 4	12 8	1 51	0 32	0 42	20 35	0 14	11 57	9 41	19 54	19 35	7 39	15 36	7 10
S 21	23 22	9 5	2 30	22 47	1 31	19 40	1 47	12 40	0 58	14 12	1 4	12 6	1 51	0 32	0 42	20 35	0 14	11 57	9 41	19 54	19 34	7 36	15 36	7 10
S 22	23 19	14 41	1 21	22 24	1 23	19 19	1 47	12 23	0 57	14 15	1 4	12 4	1 51	0 33	0 42	20 36	0 14	11 57	9 42	19 55	19 33	7 33	15 36	7 10
M23	23 15	19 29	0 7	21 59	1 14	18 58	1 46	12 6	0 56	14 18	1 5	12 2	1 51	0 33	0 42	20 36	0 14	11 57	9 42	19 55	19 33	7 30	15 37	7 10
T 24	23 10	23 12	1s 5	21 35	1 4	18 36	1 45	11 49	0 55	14 21	1 5	12 0	1 51	0 34	0 42	20 36	0 14	11 58	9 42	19 55	19 32	7 27	15 37	7 10
W25	23 6	25 36	2 13	21 9	0 53	18 14	1 45	11 31	0 55	14 24	1 5	11 58	1 51	0 34	0 42	20 37	0 14	11 58	9 42	19 54	19 31	7 24	15 37	7 11
T 26	23 1	26 34	3 13	20 44	0 40	17 51	1 44	11 14	0 54	14 27	1 5	11 56	1 51	0 35	0 41	20 37	0 14	11 58	9 42	19 53	19 30	7 21	15 38	7 11
F 27	22 55	26 3	4 1	20 18	0 27	17 28	1 43	10 57	0 53	14 29	1 5	11 54	1 51	0 35	0 41	20 37	0 14	11 58	9 42	19 51	19 30	7 18	15 38	7 11
S 28	22 49	24 11	4 37	19 53	0 13	17 5	1 42	10 39	0 52	14 32	1 5	11 52	1 51	0 36	0 41	20 38	0 14	11 59	9 42	19 49	19 29	7 15	15 38	7 11
S 29	22 42	21 12	4 59	19 28	0n 2	16 41	1 41	10 22	0 51	14 35	1 5	11 50	1 51	0 36	0 41	20 38	0 14	11 59	9 42	19 47	19 28	7 12	15 39	7 11
M30	22 35	17 20	5 7	19 4	0 18	16 16	1 39	10 4	0 50	14 38	1 5	11 47	1 51	0 37	0 41	20 38	0 14	11 59	9 42	19 45	19 28	7 9	15 39	7 11
T 31	22s28	12s50	5s 1	18s42	0n35	15s51	1s38	9s46	0s49	14s40	1n 5	11s45	1s50	0n37	0s41	20n38	0s14	11s59	9n42	19n43	19n27	7s 6	15n39	7s11

Julian Day Number = 2180876.5, Delta T = 11m31s
Ecliptic obliquity = 23°32'12, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'20, Lahiri = 13°31'20 Julian Calendar 1 Dec. 1258 == Greg. Calendar 8 Dec. 1258

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ASTRODIENST EPHEMERIS for the year 1259
geocentric

JANUARY 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 9 23	17♑56'11	21♓ 0	4♒27	23♒ 0	7♓41	12♏50	4♓13	3♈ 9	26°R49	7♐ 0	27°R35	26♉26	22♓55	13°R53	W 1
T 2	7 13 19	18°57'17	2♈51	4°R30	24°13	8°26	12°58	4°19	3°11	26♋47	7° 2	27♉31	26°23	23° 1	13♋48	T 2
F 3	7 17 16	19°58'22	14°42	4°21	25°26	9°11	13° 7	4°25	3°12	26°46	7° 4	27°D30	26°19	23° 8	13°44	F 3
S 4	7 21 12	20°59'26	26°39	4° 0	26°39	9°57	13°15	4°31	3°14	26°44	7° 5	27°30	26°16	23°15	13°40	S 4
S 5	7 25 9	22° 0'29	8♉47	3°28	27°52	10°42	13°24	4°37	3°15	26°42	7° 7	27°31	26°13	23°22	13°36	S 5
M 6	7 29 5	23° 1'31	21°11	2°45	29° 5	11°28	13°32	4°43	3°17	26°41	7° 9	27°R32	26°10	23°28	13°31	M 6
T 7	7 33 2	24° 2'32	3♊56	1°52	0♓18	12°13	13°40	4°49	3°18	26°39	7°11	27°32	26° 7	23°35	13°27	T 7
W 8	7 36 59	25° 3'32	17° 5	0°51	1°31	12°58	13°48	4°55	3°20	26°37	7°12	27°30	26° 3	23°42	13°23	W 8
T 9	7 40 55	26° 4'31	0♋41	29♑43	2°44	13°44	13°56	5° 2	3°22	26°36	7°14	27°25	26° 0	23°48	13°19	T 9
F 10	7 44 52	27° 5'28	14°42	28°31	3°56	14°29	14° 3	5° 8	3°24	26°34	7°16	27°19	25°57	23°55	13°15	F 10
S 11	7 48 48	28° 6'25	29° 6	27°16	5° 9	15°14	14°11	5°14	3°26	26°32	7°17	27°10	25°54	24° 2	13°10	S 11
S 12	7 52 45	29° 7'21	13♌45	26° 1	6°21	15°59	14°18	5°21	3°27	26°31	7°19	27° 0	25°51	24° 8	13° 6	S 12
M13	7 56 41	0♒ 8'15	28°33	24°48	7°34	16°44	14°26	5°27	3°29	26°29	7°21	26°50	25°48	24°15	13° 2	M13
T 14	8 0 38	1° 9'09	13♍20	23°39	8°46	17°30	14°33	5°34	3°31	26°27	7°22	26°41	25°44	24°22	12°58	T 14
W15	8 4 35	2°10'02	28° 0	22°35	9°58	18°15	14°40	5°41	3°33	26°25	7°24	26°34	25°41	24°29	12°54	W15
T 16	8 8 31	3°10'54	12♎27	21°38	11°11	19° 0	14°47	5°47	3°35	26°24	7°25	26°30	25°38	24°35	12°50	T 16
F 17	8 12 28	4°11'44	26°36	20°48	12°23	19°45	14°53	5°54	3°37	26°22	7°27	26°28	25°35	24°42	12°46	F 17
S 18	8 16 24	5°12'35	10♏28	20° 7	13°35	20°30	15° 0	6° 1	3°39	26°20	7°28	26°D28	25°32	24°49	12°42	S 18
S 19	8 20 21	6°13'24	24° 3	19°34	14°47	21°15	15° 6	6° 7	3°42	26°19	7°30	26°R28	25°29	24°55	12°39	S 19
M20	8 24 17	7°14'12	7♐23	19° 9	15°59	22° 0	15°12	6°14	3°44	26°17	7°31	26°28	25°25	25° 2	12°35	M20
T 21	8 28 14	8°14'59	20°29	18°52	17°10	22°45	15°19	6°21	3°46	26°15	7°32	26°25	25°22	25° 9	12°31	T 21
W22	8 32 10	9°15'45	3♑23	18°44	18°22	23°29	15°24	6°28	3°48	26°14	7°34	26°20	25°19	25°16	12°27	W22
T 23	8 36 7	10°16'30	16° 6	18°D43	19°34	24°14	15°30	6°35	3°51	26°12	7°35	26°12	25°16	25°22	12°24	T 23
F 24	8 40 4	11°17'14	28°39	18°49	20°45	24°59	15°36	6°42	3°53	26°11	7°36	26° 1	25°13	25°29	12°20	F 24
S 25	8 44 0	12°17'56	11♒ 2	19° 2	21°56	25°44	15°41	6°49	3°55	26° 9	7°38	25°48	25° 9	25°36	12°17	S 25
S 26	8 47 57	13°18'37	23°16	19°21	23° 8	26°29	15°47	6°56	3°58	26° 7	7°39	25°34	25° 6	25°42	12°13	S 26
M27	8 51 53	14°19'16	5♓22	19°45	24°19	27°13	15°52	7° 3	4° 0	26° 6	7°40	25°19	25° 3	25°49	12°10	M27
T 28	8 55 50	15°19'54	17°19	20°15	25°30	27°58	15°57	7°10	4° 3	26° 4	7°41	25° 7	25° 0	25°56	12° 6	T 28
W29	8 59 46	16°20'29	29°11	20°50	26°41	28°43	16° 2	7°17	4° 5	26° 3	7°42	24°56	24°57	26° 2	12° 3	W29
T 30	9 3 43	17°21'03	11♈ 0	21°30	27°52	29°27	16° 6	7°24	4° 8	26° 1	7°43	24°48	24°54	26° 9	12° 0	T 30
F 31	9 7 39	18♒21'36	22♈50	22♑13	29♓ 2	0♈12	16♏11	7♓31	4♈10	25♋59	7♐45	24♉43	24♉50	26♓16	11♋57	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s20	7s54	4s42	18s22	0n53	15s26	1s37	9s28	0s48	14s43	1n 6	11s43	1s50	0n38	0s41	20n39	0s14	11s59	9n43	19n42	19n26	7s 3	15n40	7s11
T 2	22 11	2 42	4 11	18 4	1 11	15 0	1 35	9 10	0 47	14 45	1 6	11 41	1 50	0 38	0 41	20 39	0 14	11 59	9 43	19 41	19 25	7 0	15 40	7 11
F 3	22 3	2n36	3 29	17 48	1 30	14 34	1 34	8 52	0 47	14 48	1 6	11 38	1 50	0 39	0 41	20 39	0 14	12 0	9 43	19 41	19 25	6 57	15 41	7 11
S 4	21 53	7 52	2 38	17 35	1 48	14 7	1 32	8 34	0 46	14 50	1 6	11 36	1 50	0 40	0 41	20 40	0 14	12 0	9 43	19 41	19 24	6 54	15 41	7 11
S 5	21 44	12 55	1 39	17 25	2 6	13 40	1 30	8 16	0 45	14 53	1 6	11 34	1 50	0 40	0 41	20 40	0 14	12 0	9 43	19 41	19 23	6 51	15 42	7 11
M 6	21 34	17 35	0 34	17 17	2 24	13 13	1 29	7 58	0 44	14 55	1 6	11 32	1 50	0 41	0 41	20 40	0 14	12 0	9 43	19 41	19 22	6 48	15 42	7 11
T 7	21 23	21 35	0n34	17 13	2 40	12 46	1 27	7 40	0 43	14 57	1 6	11 29	1 50	0 42	0 41	20 41	0 14	12 0	9 43	19 41	19 22	6 45	15 43	7 11
W 8	21 12	24 37	1 43	17 12	2 55	12 18	1 25	7 22	0 42	14 59	1 6	11 27	1 50	0 42	0 41	20 41	0 14	12 0	9 43	19 41	19 21	6 42	15 43	7 11
T 9	21 1	26 20	2 47	17 14	3 8	11 50	1 23	7 4	0 41	15 2	1 6	11 24	1 50	0 43	0 41	20 42	0 14	12 0	9 44	19 40	19 20	6 39	15 43	7 11
F 10	20 50	26 26	3 44	17 18	3 19	11 21	1 21	6 45	0 40	15 4	1 7	11 22	1 50	0 44	0 41	20 42	0 14	12 1	9 44	19 38	19 19	6 36	15 44	7 11
S 11	20 37	24 47	4 28	17 24	3 27	10 53	1 18	6 27	0 40	15 6	1 7	11 20	1 50	0 45	0 41	20 42	0 14	12 1	9 44	19 36	19 19	6 33	15 45	7 10
S 12	20 25	21 28	4 55	17 32	3 34	10 24	1 16	6 9	0 39	15 8	1 7	11 17	1 50	0 45	0 41	20 43	0 14	12 1	9 44	19 34	19 18	6 30	15 45	7 10
M13	20 12	16 45	5 3	17 41	3 37	9 54	1 14	5 50	0 38	15 10	1 7	11 15	1 50	0 46	0 41	20 43	0 14	12 1	9 44	19 32	19 17	6 27	15 46	7 10
T 14	19 59	11 2	4 51	17 52	3 38	9 25	1 11	5 32	0 37	15 12	1 7	11 12	1 49	0 47	0 41	20 43	0 14	12 1	9 44	19 30	19 16	6 24	15 46	7 10
W15	19 45	4 45	4 19	18 4	3 37	8 55	1 9	5 13	0 36	15 14	1 7	11 10	1 49	0 48	0 41	20 44	0 14	12 1	9 45	19 28	19 16	6 20	15 47	7 10
T 16	19 32	1s41	3 31	18 16	3 34	8 25	1 6	4 55	0 35	15 16	1 7	11 7	1 49	0 49	0 41	20 44	0 14	12 1	9 45	19 27	19 15	6 17	15 47	7 10
F 17	19 17	7 57	2 32	18 28	3 29	7 55	1 3	4 36	0 34	15 18	1 8	11 5	1 49	0 49	0 41	20 44	0 14	12 1	9 45	19 27	19 14	6 14	15 48	7 9
S 18	19 3	13 42	1 24	18 41	3 22	7 25	1 1	4 18	0 34	15 19	1 8	11 2	1 49	0 50	0 41	20 45	0 14	12 1	9 45	19 27	19 13	6 11	15 48	7 9
S 19	18 48	18 39	0 13	18 54	3 15	6 54	0 58	3 59	0 33	15 21	1 8	11 0	1 49	0 51	0 41	20 45	0 14	12 1	9 45	19 27	19 13	6 8	15 49	7 9
M20	18 32	22 35	0s58	19 6	3 5	6 24	0 55	3 41	0 32	15 23	1 8	10 57	1 49	0 52	0 41	20 45	0 14	12 1	9 45	19 27	19 12	6 5	15 50	7 9
T 21	18 17	25 15	2 4	19 18	2 56	5 53	0 52	3 22	0 31	15 24	1 8	10 54	1 49	0 53	0 41	20 45	0 14	12 1	9 46	19 26	19 11	6 2	15 50	7 8
W22	18 1	26 32	3 2	19 30	2 45	5 22	0 49	3 3	0 30	15 26	1 8	10 52	1 49	0 54	0 41	20 46	0 14	12 1	9 46	19 25	19 10	5 59	15 51	7 8
T 23	17 44	26 23	3 51	19 41	2 34	4 51	0 46	2 45	0 29	15 28	1 8	10 49	1 49	0 55	0 40	20 46	0 14	12 1	9 46	19 23	19 9	5 56	15 51	7 8
F 24	17 28	24 52	4 27	19 52	2 22	4 20	0 42	2 26	0 29	15 29	1 9	10 47	1 49	0 56	0 40	20 46	0 14	12 1	9 46	19 20	19 9	5 53	15 52	7 8
S 25	17 11	22 11	4 50	20 2	2 11	3 48	0 39	2 8	0 28	15 30	1 9	10 44	1 49	0 57	0 40	20 47	0 14	12 1	9 46	19 17	19 8	5 50	15 53	7 7
S 26	16 54	18 31	5 0	20 11	1 59	3 17	0 36	1 49	0 27	15 32	1 9	10 41	1 49	0 58	0 40	20 47	0 14	12 1	9 47	19 14	19 7	5 47	15 53	7 7
M27	16 36	14 9	4 55	20 19	1 47	2 46	0 32	1 30	0 26	15 33	1 9	10 39	1 49	0 59	0 40	20 47	0 14	12 1	9 47	19 10	19 6	5 44	15 54	7 7
T 28	16 18	9 17	4 38	20 26	1 35	2 14	0 29	1 12	0 25	15 35	1 9	10 36	1 49	1 0	0 40	20 48	0 14	12 1	9 47	19 7	19 6	5 40	15 54	7 6
W29	16 0	4 7	4 9	20 33	1 23	1 43	0 25	0 53	0 24	15 36	1 9	10 33	1 49	1 1	0 40	20 48	0 14	12 1	9 47	19 5	19 5	5 37	15 55	7 6
T 30	15 42	1n10	3 29	20 38	1 12	1 11	0 22	0 35	0 24	15 37	1 9	10 31	1 49	1 2	0 40	20 48	0 14	12 1	9 47	19 3	19 4	5 34	15 56	7 6
F 31	15s23	6n26	2s40	20s42	1n 0	0s40	0s18	0s16	0s23	15s38	1n10	10s28	1s49	1n 3	0s40	20n49	0s14	12s 1	9n48	19n 2	19n 3	5s31	15n56	7s 5

Julian Day Number = 2180907.5, Delta T = 11m30s
Ecliptic obliquity = 23°32'12, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'24, Lahiri = 13°31'25 Julian Calendar 1 Jan. 1259 == Greg. Calendar 8 Jan. 1259

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ASTRODIENST EPHEMERIS for the year 1259
geocentric

FEBRUARY 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 11 36	19♒22'06	4♉44	23♋ 1	0♈13	0♈56	16♏15	7♓38	4♈13	25°R58	7♐46	24°R41	24♉47	26♓23	11°R54	S 1
S 2	9 15 33	20°22'35	16°49	23°52	1°23	1°41	16°19	7°46	4°16	25♋56	7°47	24♉41	24°44	26°29	11♋51	S 2
M 3	9 19 29	21°23'02	29° 8	24°46	2°34	2°25	16°23	7°53	4°18	25°55	7°48	24°41	24°41	26°36	11°48	M 3
T 4	9 23 26	22°23'27	11♊49	25°43	3°44	3°10	16°27	8° 0	4°21	25°53	7°48	24°40	24°38	26°43	11°45	T 4
W 5	9 27 22	23°23'49	24°55	26°43	4°54	3°54	16°30	8° 7	4°24	25°52	7°49	24°37	24°35	26°49	11°42	W 5
T 6	9 31 19	24°24'10	8♋30	27°45	6° 4	4°38	16°34	8°15	4°27	25°51	7°50	24°33	24°31	26°56	11°40	T 6
F 7	9 35 15	25°24'29	22°35	28°50	7°14	5°23	16°37	8°22	4°30	25°49	7°51	24°25	24°28	27° 3	11°37	F 7
S 8	9 39 12	26°24'46	7♌ 8	29°57	8°23	6° 7	16°40	8°29	4°32	25°48	7°52	24°15	24°25	27° 9	11°34	S 8
S 9	9 43 8	27°25'02	22° 3	1♒ 7	9°33	6°51	16°43	8°37	4°35	25°46	7°53	24° 3	24°22	27°16	11°32	S 9
M10	9 47 5	28°25'15	7♍11	2°18	10°42	7°35	16°46	8°44	4°38	25°45	7°54	23°52	24°19	27°23	11°30	M10
T 11	9 51 2	29°25'26	22°23	3°31	11°51	8°19	16°48	8°51	4°41	25°44	7°54	23°41	24°15	27°30	11°27	T 11
W12	9 54 58	0♓25'36	7♎26	4°46	13° 0	9° 3	16°51	8°59	4°44	25°42	7°55	23°33	24°12	27°36	11°25	W12
T 13	9 58 55	1°25'44	22°13	6° 3	14° 9	9°47	16°53	9° 6	4°47	25°41	7°56	23°28	24° 9	27°43	11°23	T 13
F 14	10 2 51	2°25'50	6♏38	7°21	15°18	10°31	16°55	9°14	4°50	25°40	7°56	23°25	24° 6	27°50	11°21	F 14
S 15	10 6 48	3°25'55	20°39	8°41	16°26	11°15	16°57	9°21	4°53	25°38	7°57	23°D24	24° 3	27°56	11°19	S 15
S 16	10 10 44	4°25'58	4♐16	10° 2	17°34	11°59	16°58	9°28	4°56	25°37	7°57	23°R24	24° 0	28° 3	11°17	S 16
M17	10 14 41	5°26'00	17°32	11°25	18°42	12°43	17° 0	9°36	4°59	25°36	7°58	23°24	23°56	28°10	11°15	M17
T 18	10 18 37	6°26'00	0♑28	12°49	19°50	13°27	17° 1	9°43	5° 2	25°35	7°58	23°22	23°53	28°16	11°14	T 18
W19	10 22 34	7°25'59	13° 9	14°15	20°58	14°11	17° 2	9°51	5° 5	25°33	7°59	23°17	23°50	28°23	11°12	W19
T 20	10 26 31	8°25'55	25°37	15°41	22° 6	14°54	17° 3	9°58	5° 9	25°32	7°59	23° 9	23°47	28°30	11°11	T 20
F 21	10 30 27	9°25'50	7♒55	17°10	23°13	15°38	17° 4	10° 6	5°12	25°31	8° 0	22°59	23°44	28°37	11° 9	F 21
S 22	10 34 24	10°25'43	20° 5	18°39	24°20	16°22	17° 4	10°13	5°15	25°30	8° 0	22°46	23°40	28°43	11° 8	S 22
S 23	10 38 20	11°25'34	2♓ 8	20°10	25°27	17° 5	17° 5	10°21	5°18	25°29	8° 0	22°33	23°37	28°50	11° 7	S 23
M24	10 42 17	12°25'23	14° 5	21°42	26°34	17°49	17°R 5	10°28	5°21	25°28	8° 1	22°19	23°34	28°57	11° 5	M24
T 25	10 46 13	13°25'10	25°58	23°15	27°41	18°32	17° 5	10°35	5°25	25°27	8° 1	22° 7	23°31	29° 3	11° 4	T 25
W26	10 50 10	14°24'55	7♈48	24°50	28°47	19°16	17° 4	10°43	5°28	25°26	8° 1	21°57	23°28	29°10	11° 4	W26
T 27	10 54 6	15°24'38	19°37	26°25	29°53	19°59	17° 4	10°50	5°31	25°25	8° 1	21°49	23°25	29°17	11° 3	T 27
F 28	10 58 3	16♓24'19	1♉28	28♒ 2	0♉59	20♈43	17♏ 3	10♓58	5♈34	25♋24	8♐ 1	21♉45	23♉21	29♓23	11♋ 2	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 4	11n32	1s43	20s46	0n49	0s 8	0s14	0n 2	0s22	15s39	1n10	10s25	1s49	1n 4	0s40	20n49	0s14	12s 1	9n48	19n 1	19n 3	5s28	15n57	7s 5
S 2	14 45	16 16	0 42	20 48	0 38	0n24	0 11	0 21	0 21	15 40	1 10	10 23	1 49	1 5	0 40	20 49	0 14	12 1	9 48	19 1	19 2	5 25	15 58	7 4
M 3	14 26	20 26	0n24	20 49	0 27	0 55	0 7	0 39	0 20	15 41	1 10	10 20	1 49	1 6	0 40	20 50	0 14	12 1	9 48	19 1	19 1	5 22	15 58	7 4
T 4	14 6	23 46	1 29	20 49	0 17	1 27	0 3	0 58	0 20	15 42	1 10	10 17	1 49	1 7	0 40	20 50	0 14	12 1	9 49	19 1	19 0	5 19	15 59	7 4
W 5	13 47	25 59	2 32	20 48	0 6	1 58	0n 1	1 16	0 19	15 43	1 10	10 14	1 49	1 9	0 40	20 50	0 14	12 1	9 49	19 0	18 59	5 16	16 0	7 3
T 6	13 26	26 45	3 29	20 45	0s 3	2 30	0 5	1 35	0 18	15 44	1 11	10 12	1 49	1 10	0 40	20 50	0 14	12 1	9 49	18 59	18 59	5 13	16 0	7 3
F 7	13 6	25 50	4 16	20 41	0 13	3 1	0 9	1 53	0 17	15 45	1 11	10 9	1 49	1 11	0 40	20 51	0 14	12 1	9 49	18 57	18 58	5 9	16 1	7 2
S 8	12 46	23 11	4 47	20 36	0 22	3 33	0 13	2 11	0 16	15 45	1 11	10 6	1 49	1 12	0 40	20 51	0 14	12 1	9 49	18 55	18 57	5 6	16 2	7 2
S 9	12 25	18 56	5 0	20 30	0 31	4 4	0 18	2 30	0 16	15 46	1 11	10 3	1 49	1 13	0 40	20 51	0 14	12 0	9 50	18 52	18 56	5 3	16 2	7 1
M10	12 4	13 25	4 52	20 22	0 40	4 35	0 22	2 48	0 15	15 47	1 11	10 1	1 49	1 14	0 40	20 52	0 14	12 0	9 50	18 49	18 56	5 0	16 3	7 1
T 11	11 43	7 4	4 24	20 14	0 48	5 6	0 26	3 6	0 14	15 47	1 11	9 58	1 49	1 16	0 40	20 52	0 14	12 0	9 50	18 46	18 55	4 57	16 4	7 0
W12	11 22	0 22	3 37	20 3	0 56	5 37	0 30	3 24	0 13	15 48	1 11	9 55	1 49	1 17	0 40	20 52	0 14	12 0	9 50	18 44	18 54	4 54	16 4	7 0
T 13	11 1	6s16	2 37	19 52	1 4	6 8	0 35	3 42	0 12	15 48	1 12	9 52	1 49	1 18	0 40	20 52	0 14	12 0	9 51	18 43	18 53	4 51	16 5	6 59
F 14	10 39	12 25	1 27	19 39	1 11	6 39	0 39	4 0	0 12	15 49	1 12	9 49	1 49	1 19	0 40	20 53	0 14	12 0	9 51	18 42	18 52	4 48	16 6	6 59
S 15	10 17	17 45	0 15	19 25	1 18	7 9	0 43	4 18	0 11	15 49	1 12	9 47	1 49	1 20	0 40	20 53	0 14	12 0	9 51	18 42	18 52	4 44	16 6	6 58
S 16	9 55	22 1	0s57	19 9	1 24	7 39	0 48	4 36	0 10	15 49	1 12	9 44	1 49	1 22	0 40	20 53	0 14	12 0	9 51	18 42	18 51	4 41	16 7	6 58
M17	9 33	25 0	2 4	18 52	1 30	8 10	0 52	4 54	0 9	15 50	1 12	9 41	1 49	1 23	0 40	20 53	0 13	11 59	9 52	18 42	18 50	4 38	16 8	6 57
T 18	9 11	26 35	3 3	18 34	1 36	8 40	0 57	5 12	0 9	15 50	1 12	9 38	1 49	1 24	0 40	20 54	0 13	11 59	9 52	18 41	18 49	4 35	16 8	6 57
W19	8 49	26 43	3 51	18 14	1 41	9 10	1 1	5 29	0 8	15 50	1 13	9 36	1 49	1 25	0 40	20 54	0 13	11 59	9 52	18 40	18 48	4 32	16 9	6 56
T 20	8 26	25 29	4 27	17 53	1 46	9 39	1 6	5 47	0 7	15 50	1 13	9 33	1 49	1 27	0 40	20 54	0 13	11 59	9 52	18 38	18 48	4 29	16 9	6 56
F 21	8 4	23 2	4 51	17 31	1 51	10 9	1 10	6 5	0 6	15 50	1 13	9 30	1 49	1 28	0 40	20 54	0 13	11 59	9 52	18 36	18 47	4 26	16 10	6 55
S 22	7 41	19 35	5 0	17 7	1 55	10 38	1 15	6 22	0 6	15 50	1 13	9 27	1 49	1 29	0 40	20 54	0 13	11 59	9 53	18 32	18 46	4 23	16 11	6 55
S 23	7 18	15 22	4 57	16 42	1 59	11 7	1 19	6 40	0 5	15 50	1 13	9 24	1 49	1 30	0 40	20 55	0 13	11 58	9 53	18 29	18 45	4 19	16 11	6 54
M24	6 56	10 35	4 40	16 16	2 3	11 35	1 24	6 57	0 4	15 50	1 13	9 22	1 49	1 32	0 40	20 55	0 13	11 58	9 53	18 26	18 44	4 16	16 12	6 54
T 25	6 33	5 26	4 11	15 48	2 6	12 4	1 28	7 15	0 3	15 50	1 13	9 19	1 49	1 33	0 40	20 55	0 13	11 58	9 53	18 22	18 44	4 13	16 13	6 53
W26	6 10	0 7	3 31	15 19	2 8	12 32	1 33	7 32	0 3	15 50	1 14	9 16	1 49	1 34	0 40	20 55	0 13	11 58	9 54	18 20	18 43	4 10	16 13	6 52
T 27	5 46	5n12	2 42	14 48	2 10	13 0	1 38	7 49	0 2	15 49	1 14	9 13	1 50	1 36	0 40	20 55	0 13	11 58	9 54	18 18	18 42	4 7	16 14	6 52
F 28	5s23	10n23	1s46	14s16	2s12	13n28	1n42	8n 6	0s 1	15s49	1n14	9s10	1s50	1n37	0s40	20n56	0s13	11s57	9n54	18n17	18n41	4s 4	16n15	6s51

Julian Day Number = 2180938.5, Delta T = 11m30s
Ecliptic obliquity = 23°32'13, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'28, Lahiri = 13°31'29 Julian Calendar 1 Feb. 1259 == Greg. Calendar 8 Feb. 1259

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ASTRODIENST EPHEMERIS for the year 1259
geocentric

MARCH 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 1 59	17♓23'57	13♉23	29♒40	2♉ 4	21♈26	17°R 3	11♓ 5	5♈38	25°R23	8♐ 1	21°R43	23♉18	29♓30	11°R 1	S 1
S 2	11 5 56	18°23'33	25°28	1♓20	3°10	22° 9	17♏ 2	11°13	5°41	25♋22	8° 2	21°D42	23°15	29°37	11♋ 1	S 2
M 3	11 9 53	19°23'07	7♊46	3° 1	4°15	22°53	17° 0	11°20	5°44	25°21	8° 2	21♉43	23°12	29°44	11° 0	M 3
T 4	11 13 49	20°22'39	20°23	4°43	5°20	23°36	16°59	11°27	5°48	25°20	8°R 2	21°R43	23° 9	29°50	11° 0	T 4
W 5	11 17 46	21°22'08	3♋23	6°26	6°24	24°19	16°57	11°35	5°51	25°20	8° 2	21°43	23° 6	29°57	11° 0	W 5
T 6	11 21 42	22°21'35	16°51	8°10	7°29	25° 2	16°56	11°42	5°54	25°19	8° 2	21°40	23° 2	0♈ 4	10°59	T 6
F 7	11 25 39	23°21'00	0♌49	9°56	8°33	25°45	16°54	11°50	5°58	25°18	8° 1	21°35	22°59	0°10	10°D59	F 7
S 8	11 29 35	24°20'22	15°16	11°43	9°36	26°28	16°52	11°57	6° 1	25°17	8° 1	21°28	22°56	0°17	10°59	S 8
S 9	11 33 32	25°19'42	0♍ 8	13°32	10°40	27°11	16°49	12° 4	6° 4	25°17	8° 1	21°20	22°53	0°24	11° 0	S 9
M10	11 37 28	26°19'00	15°19	15°22	11°43	27°54	16°47	12°11	6° 8	25°16	8° 1	21°11	22°50	0°30	11° 0	M10
T 11	11 41 25	27°18'15	0♎38	17°13	12°45	28°37	16°44	12°19	6°11	25°15	8° 1	21° 3	22°46	0°37	11° 0	T 11
W12	11 45 22	28°17'28	15°54	19° 5	13°48	29°20	16°41	12°26	6°15	25°15	8° 1	20°57	22°43	0°44	11° 1	W12
T 13	11 49 18	29°16'40	0♏56	20°59	14°50	0♉ 2	16°38	12°33	6°18	25°14	8° 0	20°53	22°40	0°50	11° 1	T 13
F 14	11 53 15	0♈15'49	15°37	22°54	15°51	0°45	16°35	12°41	6°21	25°14	8° 0	20°D52	22°37	0°57	11° 2	F 14
S 15	11 57 11	1°14'57	29°52	24°51	16°53	1°28	16°32	12°48	6°25	25°13	8° 0	20°52	22°34	1° 4	11° 2	S 15
S 16	12 1 8	2°14'03	13♐40	26°49	17°54	2°11	16°28	12°55	6°28	25°13	7°59	20°53	22°31	1°11	11° 3	S 16
M17	12 5 4	3°13'07	27° 2	28°48	18°54	2°53	16°25	13° 2	6°32	25°12	7°59	20°R54	22°27	1°17	11° 4	M17
T 18	12 9 1	4°12'10	10♑ 0	0♈48	19°55	3°36	16°21	13° 9	6°35	25°12	7°58	20°54	22°24	1°24	11° 5	T 18
W19	12 12 57	5°11'10	22°38	2°50	20°54	4°18	16°17	13°16	6°39	25°12	7°58	20°52	22°21	1°31	11° 6	W19
T 20	12 16 54	6°10'09	5♒ 1	4°52	21°54	5° 1	16°13	13°23	6°42	25°11	7°57	20°49	22°18	1°37	11° 7	T 20
F 21	12 20 51	7° 9'06	17°11	6°56	22°53	5°43	16° 8	13°30	6°45	25°11	7°57	20°43	22°15	1°44	11° 9	F 21
S 22	12 24 47	8° 8'01	29°13	9° 0	23°51	6°26	16° 4	13°37	6°49	25°11	7°56	20°36	22°12	1°51	11°10	S 22
S 23	12 28 44	9° 6'54	11♓ 8	11° 5	24°49	7° 8	15°59	13°44	6°52	25°10	7°56	20°28	22° 8	1°57	11°11	S 23
M24	12 32 40	10° 5'45	23° 0	13°11	25°47	7°50	15°54	13°51	6°56	25°10	7°55	20°21	22° 5	2° 4	11°13	M24
T 25	12 36 37	11° 4'34	4♈49	15°17	26°44	8°33	15°49	13°58	6°59	25°10	7°54	20°13	22° 2	2°11	11°15	T 25
W26	12 40 33	12° 3'22	16°39	17°23	27°40	9°15	15°44	14° 5	7° 3	25°10	7°54	20° 8	21°59	2°17	11°16	W26
T 27	12 44 30	13° 2'07	28°31	19°29	28°37	9°57	15°39	14°12	7° 6	25°10	7°53	20° 3	21°56	2°24	11°18	T 27
F 28	12 48 26	14° 0'50	10♉27	21°34	29°32	10°39	15°33	14°19	7° 9	25°10	7°52	20° 1	21°52	2°31	11°20	F 28
S 29	12 52 23	14°59'31	22°29	23°39	0♊27	11°21	15°28	14°26	7°13	25°10	7°51	20°D 1	21°49	2°38	11°22	S 29
S 30	12 56 20	15°58'10	4♊40	25°42	1°21	12° 3	15°22	14°32	7°16	25°D10	7°51	20° 2	21°46	2°44	11°24	S 30
M31	13 0 16	16♈56'47	17♊ 4	27♈45	2♊15	12♉45	15♏16	14♓39	7♈20	25♋10	7♐50	20♉ 3	21♉43	2♈51	11♋27	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s 0	15n13	0s44	13s43	2s13	13n55	1n47	8n23	0s 1	15s49	1n14	9s 8	1s50	1n38	0s40	20n56	0s13	11s57	9n54	18n16	18n41	4s 1	16n15	6s51
S 2	4 37	19 32	0n20	13 8	2 14	14 22	1 52	8 40	0n 0	15 48	1 14	9 5	1 50	1 40	0 40	20 56	0 13	11 57	9 55	18 16	18 40	3 57	16 16	6 50
M 3	4 13	23 5	1 25	12 32	2 15	14 48	1 56	8 57	0 1	15 48	1 14	9 2	1 50	1 41	0 40	20 56	0 13	11 57	9 55	18 16	18 39	3 54	16 17	6 50
T 4	3 50	25 38	2 27	11 55	2 15	15 15	2 1	9 13	0 2	15 47	1 14	8 59	1 50	1 42	0 40	20 56	0 13	11 56	9 55	18 16	18 38	3 51	16 17	6 49
W 5	3 26	26 53	3 24	11 16	2 14	15 41	2 5	9 30	0 2	15 47	1 15	8 57	1 50	1 44	0 40	20 57	0 13	11 56	9 55	18 16	18 37	3 48	16 18	6 48
T 6	3 3	26 37	4 11	10 36	2 13	16 6	2 10	9 47	0 3	15 46	1 15	8 54	1 50	1 45	0 40	20 57	0 13	11 56	9 56	18 15	18 36	3 45	16 18	6 48
F 7	2 39	24 42	4 46	9 54	2 12	16 32	2 14	10 3	0 4	15 45	1 15	8 51	1 50	1 46	0 40	20 57	0 13	11 56	9 56	18 14	18 36	3 42	16 19	6 47
S 8	2 15	21 9	5 3	9 12	2 10	16 57	2 19	10 19	0 4	15 45	1 15	8 48	1 50	1 48	0 40	20 57	0 13	11 55	9 56	18 12	18 35	3 38	16 20	6 47
S 9	1 52	16 10	5 2	8 28	2 7	17 21	2 23	10 35	0 5	15 44	1 15	8 46	1 50	1 49	0 40	20 57	0 13	11 55	9 56	18 10	18 34	3 35	16 20	6 46
M10	1 28	10 5	4 39	7 42	2 4	17 45	2 28	10 52	0 6	15 43	1 15	8 43	1 50	1 50	0 40	20 57	0 13	11 55	9 56	18 8	18 33	3 32	16 21	6 45
T 11	1 5	3 21	3 56	6 56	2 1	18 9	2 32	11 8	0 6	15 42	1 15	8 40	1 50	1 52	0 39	20 57	0 13	11 55	9 57	18 6	18 32	3 29	16 21	6 45
W12	0 41	3s34	2 56	6 8	1 57	18 32	2 37	11 23	0 7	15 41	1 15	8 37	1 51	1 53	0 39	20 58	0 13	11 54	9 57	18 4	18 32	3 26	16 22	6 44
T 13	0 17	10 12	1 45	5 19	1 53	18 55	2 41	11 39	0 8	15 40	1 16	8 35	1 51	1 54	0 39	20 58	0 13	11 54	9 57	18 3	18 31	3 23	16 22	6 44
F 14	0n 6	16 8	0 28	4 28	1 48	19 18	2 46	11 55	0 8	15 39	1 16	8 32	1 51	1 56	0 39	20 58	0 13	11 54	9 57	18 3	18 30	3 19	16 23	6 43
S 15	0 30	21 0	0s48	3 37	1 42	19 40	2 50	12 10	0 9	15 38	1 16	8 29	1 51	1 57	0 39	20 58	0 13	11 54	9 58	18 3	18 29	3 16	16 24	6 42
S 16	0 54	24 31	2 0	2 44	1 36	20 1	2 54	12 26	0 10	15 37	1 16	8 27	1 51	1 59	0 39	20 58	0 13	11 53	9 58	18 3	18 28	3 13	16 24	6 42
M17	1 17	26 33	3 2	1 51	1 29	20 22	2 58	12 41	0 10	15 36	1 16	8 24	1 51	2 0	0 39	20 58	0 13	11 53	9 58	18 3	18 28	3 10	16 25	6 41
T 18	1 41	27 2	3 54	0 56	1 22	20 43	3 3	12 56	0 11	15 35	1 16	8 21	1 51	2 1	0 39	20 58	0 13	11 53	9 58	18 3	18 27	3 7	16 25	6 41
W19	2 4	26 6	4 32	0 1	1 15	21 3	3 7	13 11	0 12	15 33	1 16	8 19	1 51	2 3	0 39	20 58	0 13	11 53	9 58	18 3	18 26	3 4	16 26	6 40
T 20	2 28	23 53	4 57	0n55	1 7	21 23	3 11	13 26	0 12	15 32	1 16	8 16	1 51	2 4	0 39	20 58	0 13	11 52	9 59	18 2	18 25	3 0	16 26	6 39
F 21	2 51	20 38	5 8	1 52	0 58	21 42	3 15	13 41	0 13	15 31	1 16	8 13	1 51	2 5	0 39	20 58	0 13	11 52	9 59	18 0	18 24	2 57	16 27	6 39
S 22	3 14	16 33	5 5	2 50	0 49	22 1	3 19	13 56	0 14	15 29	1 17	8 11	1 52	2 7	0 39	20 59	0 13	11 52	9 59	17 59	18 23	2 54	16 27	6 38
S 23	3 38	11 52	4 49	3 48	0 39	22 19	3 22	14 10	0 14	15 28	1 17	8 8	1 52	2 8	0 39	20 59	0 13	11 51	9 59	17 56	18 23	2 51	16 28	6 38
M24	4 1	6 46	4 20	4 46	0 30	22 37	3 26	14 25	0 15	15 26	1 17	8 6	1 52	2 10	0 39	20 59	0 13	11 51	9 59	17 54	18 22	2 48	16 28	6 37
T 25	4 24	1 27	3 41	5 45	0 19	22 54	3 30	14 39	0 16	15 25	1 17	8 3	1 52	2 11	0 39	20 59	0 13	11 51	10 0	17 52	18 21	2 44	16 29	6 36
W26	4 47	3n56	2 51	6 43	0 9	23 11	3 34	14 53	0 16	15 23	1 17	8 0	1 52	2 12	0 39	20 59	0 13	11 51	10 0	17 51	18 20	2 41	16 29	6 36
T 27	5 10	9 13	1 54	7 41	0n 2	23 27	3 37	15 7	0 17	15 22	1 17	7 58	1 52	2 14	0 39	20 59	0 13	11 50	10 0	17 50	18 19	2 38	16 29	6 35
F 28	5 33	14 12	0 52	8 38	0 13	23 43	3 41	15 21	0 17	15 20	1 17	7 55	1 52	2 15	0 39	20 59	0 13	11 50	10 0	17 49	18 19	2 35	16 30	6 35
S 29	5 56	18 41	0n14	9 35	0 24	23 59	3 44	15 35	0 18	15 19	1 17	7 53	1 52	2 16	0 39	20 59	0 13	11 50	10 0	17 49	18 18	2 32	16 30	6 34
S 30	6 18	22 27	1 19	10 31	0 35	24 13	3 47	15 49	0 19	15 17	1 17	7 50	1 53	2 18	0 39	20 59	0 13	11 49	10 1	17 49	18 17	2 28	16 31	6 33
M31	6n41	25n16	2n23	11n26	0n46	24n27	3n50	16n 2	0n19	15s15	1n17	7s48	1s53	2n19	0s39	20n59	0s13	11s49	10n 1	17n50	18n16	2s25	16n31	6s33

Julian Day Number = 2180966.5, Delta T = 11m30s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'32, Lahiri = 13°31'33 Julian Calendar 1 March 1259 == Greg. Calendar 8 March 1259

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ASTRODIENST EPHEMERIS for the year 1259
geocentric

APRIL 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 4 13	17♈55'22	29♊44	29♈45	3♊ 8	13♉27	15°R10	14♓46	7♈23	25♋10	7°R49	20♉ 5	21♉40	2♈58	11♋29	T 1
W 2	13 8 9	18°53'54	12♋44	1♉43	4° 1	14° 9	15♏ 4	14°53	7°26	25°10	7♐48	20°R 6	21°37	3° 4	11°31	W 2
T 3	13 12 6	19°52'24	26° 7	3°39	4°53	14°51	14°58	14°59	7°30	25°10	7°47	20° 6	21°33	3°11	11°34	T 3
F 4	13 16 2	20°50'52	9♌55	5°32	5°44	15°33	14°52	15° 6	7°33	25°10	7°46	20° 5	21°30	3°18	11°36	F 4
S 5	13 19 59	21°49'18	24° 9	7°22	6°34	16°15	14°45	15°12	7°37	25°10	7°45	20° 2	21°27	3°24	11°39	S 5
S 6	13 23 55	22°47'42	8♍47	9° 9	7°24	16°56	14°39	15°19	7°40	25°11	7°44	19°59	21°24	3°31	11°42	S 6
M 7	13 27 52	23°46'03	23°44	10°53	8°13	17°38	14°32	15°25	7°43	25°11	7°43	19°55	21°21	3°38	11°45	M 7
T 8	13 31 49	24°44'22	8♎52	12°33	9° 1	18°20	14°25	15°31	7°47	25°11	7°42	19°52	21°17	3°44	11°48	T 8
W 9	13 35 45	25°42'39	24° 2	14° 9	9°48	19° 1	14°19	15°38	7°50	25°11	7°41	19°49	21°14	3°51	11°51	W 9
T 10	13 39 42	26°40'55	9♏ 5	15°41	10°34	19°43	14°12	15°44	7°53	25°12	7°40	19°48	21°11	3°58	11°54	T 10
F 11	13 43 38	27°39'09	23°52	17° 9	11°20	20°24	14° 5	15°50	7°56	25°12	7°39	19°D48	21° 8	4° 4	11°57	F 11
S 12	13 47 35	28°37'21	8♐16	18°32	12° 4	21° 6	13°58	15°56	8° 0	25°13	7°38	19°48	21° 5	4°11	12° 0	S 12
S 13	13 51 31	29°35'32	22°13	19°51	12°48	21°47	13°51	16° 2	8° 3	25°13	7°37	19°50	21° 2	4°18	12° 3	S 13
M14	13 55 28	0♑33'41	5♑44	21° 6	13°31	22°28	13°43	16° 8	8° 6	25°14	7°36	19°51	20°58	4°25	12° 7	M14
T 15	13 59 24	1°31'49	18°49	22°17	14°12	23°10	13°36	16°14	8° 9	25°14	7°34	19°52	20°55	4°31	12°10	T 15
W16	14 3 21	2°29'55	1♒32	23°23	14°53	23°51	13°29	16°20	8°13	25°15	7°33	19°R52	20°52	4°38	12°14	W16
T 17	14 7 18	3°28'00	13°55	24°24	15°32	24°32	13°21	16°26	8°16	25°15	7°32	19°52	20°49	4°45	12°18	T 17
F 18	14 11 14	4°26'03	26° 4	25°20	16°10	25°14	13°14	16°32	8°19	25°16	7°31	19°51	20°46	4°51	12°21	F 18
S 19	14 15 11	5°24'05	8♓ 3	26°12	16°47	25°55	13° 7	16°38	8°22	25°17	7°29	19°49	20°43	4°58	12°25	S 19
S 20	14 19 7	6°22'05	19°55	26°59	17°23	26°36	12°59	16°44	8°25	25°17	7°28	19°48	20°39	5° 5	12°29	S 20
M21	14 23 4	7°20'04	1♈44	27°40	17°57	27°17	12°51	16°49	8°28	25°18	7°27	19°46	20°36	5°11	12°33	M21
T 22	14 27 0	8°18'01	13°34	28°17	18°30	27°58	12°44	16°55	8°32	25°19	7°25	19°44	20°33	5°18	12°37	T 22
W23	14 30 57	9°15'57	25°27	28°49	19° 2	28°39	12°36	17° 0	8°35	25°19	7°24	19°43	20°30	5°25	12°41	W23
T 24	14 34 53	10°13'52	7♉25	29°16	19°32	29°20	12°29	17° 6	8°38	25°20	7°23	19°42	20°27	5°31	12°45	T 24
F 25	14 38 50	11°11'45	19°30	29°38	20° 1	0♊ 1	12°21	17°11	8°41	25°21	7°21	19°D42	20°23	5°38	12°50	F 25
S 26	14 42 46	12° 9'36	1♊44	29°55	20°28	0°42	12°13	17°17	8°44	25°22	7°20	19°42	20°20	5°45	12°54	S 26
S 27	14 46 43	13° 7'26	14° 9	0♊ 7	20°54	1°23	12° 6	17°22	8°47	25°23	7°18	19°42	20°17	5°51	12°58	S 27
M28	14 50 40	14° 5'15	26°47	0°14	21°18	2° 4	11°58	17°27	8°50	25°24	7°17	19°43	20°14	5°58	13° 3	M28
T 29	14 54 36	15° 3'01	9♋39	0°R16	21°40	2°45	11°50	17°32	8°53	25°25	7°16	19°43	20°11	6° 5	13° 7	T 29
W30	14 58 33	16♉ 0'47	22♋47	0♊13	22♊ 0	3♊25	11♏43	17♓37	8♈56	25♋26	7♐14	19♉44	20♉ 8	6♈12	13♋12	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 4	26n52	3n20	12n19	0n57	24n41	3n53	16n15	0n20	15s13	1n17	7s45	1s53	2n20	0s39	20n59	0s13	11s49	10n 1	17n50	18n15	2s22	16n31	6s32
W 2	7 26	27 4	4 9	13 11	1 8	24 54	3 56	16 29	0 20	15 11	1 17	7 43	1 53	2 22	0 39	20 59	0 13	11 48	10 1	17 50	18 14	2 19	16 32	6 32
T 3	7 48	25 42	4 46	14 1	1 18	25 7	3 59	16 42	0 21	15 10	1 17	7 41	1 53	2 23	0 39	20 59	0 13	11 48	10 1	17 50	18 14	2 16	16 32	6 31
F 4	8 10	22 47	5 8	14 49	1 29	25 19	4 2	16 54	0 22	15 8	1 17	7 38	1 53	2 24	0 39	20 59	0 13	11 48	10 1	17 50	18 13	2 12	16 33	6 30
S 5	8 32	18 26	5 13	15 35	1 38	25 30	4 4	17 7	0 22	15 6	1 17	7 36	1 53	2 26	0 39	20 59	0 13	11 48	10 2	17 49	18 12	2 9	16 33	6 30
S 6	8 54	12 53	4 57	16 18	1 48	25 41	4 7	17 20	0 23	15 4	1 17	7 33	1 54	2 27	0 39	20 59	0 13	11 47	10 2	17 48	18 11	2 6	16 33	6 29
M 7	9 16	6 29	4 21	16 59	1 56	25 52	4 9	17 32	0 23	15 2	1 17	7 31	1 54	2 28	0 39	20 59	0 13	11 47	10 2	17 47	18 10	2 3	16 34	6 29
T 8	9 37	0s22	3 26	17 38	2 4	26 2	4 11	17 44	0 24	15 0	1 18	7 29	1 54	2 30	0 39	20 59	0 13	11 47	10 2	17 47	18 9	2 0	16 34	6 28
W 9	9 59	7 14	2 17	18 15	2 12	26 11	4 13	17 56	0 25	14 58	1 18	7 26	1 54	2 31	0 39	20 59	0 13	11 46	10 2	17 46	18 9	1 56	16 34	6 28
T 10	10 20	13 39	0 59	18 48	2 18	26 20	4 15	18 8	0 25	14 56	1 18	7 24	1 54	2 32	0 39	20 59	0 13	11 46	10 2	17 46	18 8	1 53	16 35	6 27
F 11	10 41	19 11	0s22	19 20	2 24	26 28	4 17	18 20	0 26	14 54	1 18	7 22	1 54	2 34	0 39	20 59	0 13	11 46	10 2	17 45	18 7	1 50	16 35	6 27
S 12	11 2	23 25	1 40	19 48	2 29	26 36	4 18	18 32	0 26	14 52	1 18	7 20	1 55	2 35	0 39	20 59	0 13	11 46	10 2	17 46	18 6	1 47	16 35	6 26
S 13	11 22	26 8	2 49	20 14	2 33	26 43	4 20	18 43	0 27	14 50	1 18	7 17	1 55	2 36	0 39	20 58	0 12	11 45	10 3	17 46	18 5	1 44	16 35	6 25
M14	11 43	27 11	3 47	20 38	2 37	26 50	4 21	18 54	0 27	14 47	1 18	7 15	1 55	2 37	0 39	20 58	0 12	11 45	10 3	17 46	18 4	1 40	16 36	6 25
T 15	12 3	26 41	4 31	20 59	2 39	26 56	4 22	19 5	0 28	14 45	1 17	7 13	1 55	2 39	0 39	20 58	0 12	11 45	10 3	17 47	18 4	1 37	16 36	6 24
W16	12 23	24 46	5 0	21 17	2 41	27 1	4 22	19 16	0 28	14 43	1 17	7 11	1 55	2 40	0 39	20 58	0 12	11 44	10 3	17 47	18 3	1 34	16 36	6 24
T 17	12 43	21 43	5 14	21 33	2 41	27 6	4 23	19 27	0 29	14 41	1 17	7 9	1 55	2 41	0 40	20 58	0 12	11 44	10 3	17 47	18 2	1 31	16 36	6 23
F 18	13 3	17 48	5 14	21 46	2 40	27 11	4 23	19 38	0 29	14 39	1 17	7 7	1 56	2 42	0 40	20 58	0 12	11 44	10 3	17 46	18 1	1 27	16 36	6 23
S 19	13 23	13 13	5 0	21 57	2 39	27 15	4 23	19 48	0 30	14 36	1 17	7 4	1 56	2 44	0 40	20 58	0 12	11 43	10 3	17 46	18 0	1 24	16 37	6 22
S 20	13 42	8 12	4 33	22 6	2 36	27 18	4 23	19 58	0 31	14 34	1 17	7 2	1 56	2 45	0 40	20 58	0 12	11 43	10 3	17 45	17 59	1 21	16 37	6 22
M21	14 1	2 54	3 55	22 12	2 33	27 21	4 23	20 8	0 31	14 32	1 17	7 0	1 56	2 46	0 40	20 58	0 12	11 43	10 3	17 45	17 58	1 18	16 37	6 21
T 22	14 20	2n30	3 7	22 16	2 28	27 23	4 22	20 18	0 32	14 30	1 17	6 58	1 56	2 47	0 40	20 58	0 12	11 43	10 3	17 44	17 58	1 15	16 37	6 21
W23	14 38	7 51	2 10	22 17	2 22	27 25	4 21	20 28	0 32	14 28	1 17	6 56	1 57	2 49	0 40	20 57	0 12	11 42	10 4	17 44	17 57	1 11	16 37	6 20
T 24	14 57	12 59	1 8	22 16	2 15	27 27	4 20	20 37	0 33	14 25	1 17	6 54	1 57	2 50	0 40	20 57	0 12	11 42	10 4	17 44	17 56	1 8	16 37	6 20
F 25	15 15	17 40	0 1	22 13	2 7	27 27	4 19	20 47	0 33	14 23	1 17	6 52	1 57	2 51	0 40	20 57	0 12	11 42	10 4	17 44	17 55	1 5	16 37	6 19
S 26	15 33	21 41	1n 6	22 8	1 58	27 28	4 17	20 56	0 34	14 21	1 17	6 51	1 57	2 52	0 40	20 57	0 12	11 42	10 4	17 44	17 54	1 2	16 37	6 19
S 27	15 51	24 46	2 12	22 1	1 48	27 28	4 15	21 5	0 34	14 18	1 17	6 49	1 57	2 53	0 40	20 57	0 12	11 41	10 4	17 44	17 53	0 58	16 37	6 18
M28	16 8	26 41	3 12	21 51	1 36	27 27	4 12	21 13	0 35	14 16	1 17	6 47	1 58	2 54	0 40	20 57	0 12	11 41	10 4	17 44	17 53	0 55	16 38	6 18
T 29	16 25	27 13	4 3	21 40	1 24	27 26	4 10	21 22	0 35	14 14	1 17	6 45	1 58	2 56	0 40	20 57	0 12	11 41	10 4	17 44	17 52	0 52	16 38	6 17
W30	16n42	26n15	4n43	21n26	1n11	27n24	4n 7	21n30	0n36	14s12	1n17	6s43	1s58	2n57	0s40	20n56	0s12	11s40	10n 4	17n44	17n51	0s49	16n38	6s17

Julian Day Number = 2180997.5, Delta T = 11m30s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'36, Lahiri = 13°31'37 Julian Calendar 1 Apr. 1259 == Greg. Calendar 8 Apr. 1259

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ASTRODIENST EPHEMERIS for the year 1259
geocentric

MAY 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 2 29	16♉58'30	6♌13	0°R 5	22♊18	4♊ 6	11°R35	17♓42	8♈58	25♋27	7°R13	19♉44	20♉ 4	6♈18	13♋17	T 1
F 2	15 6 26	17°56'12	19°58	29♉54	22°35	4°47	11♏28	17°47	9° 1	25°28	7♐11	19°R44	20° 1	6°25	13°21	F 2
S 3	15 10 22	18°53'52	4♍ 1	29°38	22°49	5°27	11°20	17°52	9° 4	25°29	7°10	19°44	19°58	6°32	13°26	S 3
S 4	15 14 19	19°51'30	18°23	29°18	23° 2	6° 8	11°13	17°57	9° 7	25°30	7° 8	19°D44	19°55	6°38	13°31	S 4
M 5	15 18 16	20°49'07	2♎59	28°55	23°12	6°48	11° 5	18° 1	9°10	25°31	7° 7	19°44	19°52	6°45	13°36	M 5
T 6	15 22 12	21°46'42	17°46	28°28	23°20	7°29	10°58	18° 6	9°12	25°32	7° 5	19°44	19°49	6°52	13°41	T 6
W 7	15 26 9	22°44'15	2♏36	27°59	23°26	8° 9	10°50	18°11	9°15	25°34	7° 4	19°44	19°45	6°58	13°46	W 7
T 8	15 30 5	23°41'48	17°23	27°28	23°30	8°50	10°43	18°15	9°18	25°35	7° 2	19°R44	19°42	7° 5	13°51	T 8
F 9	15 34 2	24°39'19	2♐ 0	26°56	23°R31	9°30	10°36	18°19	9°20	25°36	7° 1	19°44	19°39	7°12	13°56	F 9
S 10	15 37 58	25°36'50	16°20	26°22	23°30	10°11	10°29	18°24	9°23	25°37	6°59	19°44	19°36	7°18	14° 2	S 10
S 11	15 41 55	26°34'19	0♑18	25°48	23°27	10°51	10°21	18°28	9°26	25°39	6°57	19°43	19°33	7°25	14° 7	S 11
M12	15 45 51	27°31'47	13°52	25°15	23°21	11°31	10°14	18°32	9°28	25°40	6°56	19°42	19°29	7°32	14°12	M12
T 13	15 49 48	28°29'15	27° 2	24°42	23°13	12°12	10° 7	18°36	9°31	25°41	6°54	19°41	19°26	7°38	14°18	T 13
W14	15 53 45	29°26'41	9♒49	24°10	23° 3	12°52	10° 1	18°40	9°33	25°43	6°53	19°41	19°23	7°45	14°23	W14
T 15	15 57 41	0♊24'07	22°16	23°41	22°50	13°32	9°54	18°44	9°36	25°44	6°51	19°40	19°20	7°52	14°29	T 15
F 16	16 1 38	1°21'32	4♓27	23°13	22°34	14°12	9°47	18°48	9°38	25°46	6°50	19°D40	19°17	7°58	14°34	F 16
S 17	16 5 34	2°18'56	16°26	22°49	22°16	14°52	9°40	18°52	9°41	25°47	6°48	19°40	19°14	8° 5	14°40	S 17
S 18	16 9 31	3°16'20	28°19	22°28	21°56	15°32	9°34	18°55	9°43	25°48	6°46	19°41	19°10	8°12	14°46	S 18
M19	16 13 27	4°13'43	10♈ 8	22°10	21°34	16°12	9°28	18°59	9°45	25°50	6°45	19°42	19° 7	8°18	14°51	M19
T 20	16 17 24	5°11'05	21°59	21°56	21°10	16°53	9°21	19° 3	9°47	25°52	6°43	19°44	19° 4	8°25	14°57	T 20
W21	16 21 20	6° 8'27	3♉56	21°46	20°43	17°33	9°15	19° 6	9°50	25°53	6°42	19°45	19° 1	8°32	15° 3	W21
T 22	16 25 17	7° 5'48	16° 2	21°40	20°15	18°12	9° 9	19° 9	9°52	25°55	6°40	19°R46	18°58	8°38	15° 9	T 22
F 23	16 29 14	8° 3'08	28°19	21°D39	19°45	18°52	9° 3	19°13	9°54	25°56	6°38	19°45	18°55	8°45	15°15	F 23
S 24	16 33 10	9° 0'28	10♊49	21°43	19°13	19°32	8°57	19°16	9°56	25°58	6°37	19°44	18°51	8°52	15°21	S 24
S 25	16 37 7	9°57'47	23°33	21°50	18°40	20°12	8°52	19°19	9°58	26° 0	6°35	19°42	18°48	8°59	15°27	S 25
M26	16 41 3	10°55'05	6♋31	22° 3	18° 6	20°52	8°46	19°22	10° 0	26° 1	6°33	19°39	18°45	9° 5	15°33	M26
T 27	16 45 0	11°52'23	19°43	22°19	17°30	21°32	8°41	19°25	10° 2	26° 3	6°32	19°36	18°42	9°12	15°39	T 27
W28	16 48 56	12°49'39	3♌10	22°41	16°54	22°12	8°35	19°27	10° 4	26° 5	6°30	19°33	18°39	9°19	15°45	W28
T 29	16 52 53	13°46'55	16°49	23° 7	16°17	22°51	8°30	19°30	10° 6	26° 6	6°29	19°30	18°35	9°25	15°51	T 29
F 30	16 56 49	14°44'10	0♍40	23°37	15°39	23°31	8°25	19°33	10° 8	26° 8	6°27	19°29	18°32	9°32	15°57	F 30
S 31	17 0 46	15♊41'24	14♍42	24♉12	15♊ 2	24♊11	8♏20	19♓35	10♈10	26♋10	6♐26	19°D28	18♉29	9♈39	16♋ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n58	23n46	5n 9	21n11	0n57	27n22	4n 3	21n39	0n36	14s10	1n16	6s41	1s58	2n58	0s40	20n56	0s12	11s40	10n 4	17n44	17n50	0s46	16n38	6s16
F 2	17 15	19 54	5 17	20 54	0 42	27 19	3 59	21 47	0 37	14 7	1 16	6 40	1 58	2 59	0 40	20 56	0 12	11 40	10 4	17 44	17 49	0 42	16 38	6 16
S 3	17 31	14 50	5 8	20 35	0 26	27 15	3 55	21 54	0 37	14 5	1 16	6 38	1 59	3 0	0 40	20 56	0 12	11 40	10 4	17 44	17 48	0 39	16 38	6 16
S 4	17 47	8 53	4 39	20 15	0 10	27 12	3 51	22 2	0 38	14 3	1 16	6 36	1 59	3 1	0 40	20 56	0 12	11 39	10 4	17 44	17 47	0 36	16 38	6 15
M 5	18 2	2 21	3 51	19 53	0s 7	27 7	3 46	22 10	0 38	14 1	1 16	6 35	1 59	3 2	0 40	20 56	0 12	11 39	10 4	17 44	17 47	0 33	16 37	6 15
T 6	18 17	4s24	2 48	19 31	0 24	27 2	3 40	22 17	0 38	13 58	1 16	6 33	1 59	3 3	0 40	20 55	0 12	11 39	10 4	17 44	17 46	0 29	16 37	6 14
W 7	18 32	10 57	1 34	19 8	0 41	26 57	3 35	22 24	0 39	13 56	1 16	6 32	2 0	3 4	0 40	20 55	0 12	11 39	10 4	17 45	17 45	0 26	16 37	6 14
T 8	18 46	16 53	0 13	18 43	0 59	26 51	3 28	22 31	0 39	13 54	1 16	6 30	2 0	3 5	0 40	20 55	0 12	11 39	10 4	17 45	17 44	0 23	16 37	6 13
F 9	19 1	21 45	1s 7	18 19	1 16	26 44	3 21	22 37	0 40	13 52	1 15	6 28	2 0	3 6	0 40	20 55	0 12	11 38	10 4	17 45	17 43	0 20	16 37	6 13
S 10	19 15	25 11	2 22	17 55	1 33	26 37	3 14	22 44	0 40	13 50	1 15	6 27	2 0	3 7	0 40	20 54	0 12	11 38	10 4	17 44	17 42	0 16	16 37	6 13
S 11	19 28	26 59	3 26	17 30	1 50	26 29	3 7	22 50	0 41	13 48	1 15	6 25	2 0	3 8	0 40	20 54	0 12	11 38	10 4	17 44	17 41	0 13	16 37	6 12
M12	19 41	27 4	4 17	17 7	2 6	26 20	2 58	22 56	0 41	13 46	1 15	6 24	2 1	3 9	0 40	20 54	0 12	11 38	10 4	17 44	17 41	0 10	16 37	6 12
T 13	19 54	25 37	4 52	16 44	2 22	26 11	2 50	23 2	0 42	13 44	1 15	6 23	2 1	3 10	0 40	20 54	0 12	11 37	10 4	17 44	17 40	0 7	16 36	6 12
W14	20 7	22 52	5 12	16 22	2 36	26 2	2 41	23 8	0 42	13 42	1 15	6 21	2 1	3 11	0 40	20 54	0 12	11 37	10 4	17 44	17 39	0 3	16 36	6 11
T 15	20 19	19 7	5 16	16 1	2 50	25 51	2 31	23 13	0 43	13 40	1 14	6 20	2 1	3 12	0 40	20 53	0 12	11 37	10 4	17 43	17 38	0 0	16 36	6 11
F 16	20 31	14 40	5 6	15 42	3 3	25 40	2 21	23 19	0 43	13 38	1 14	6 19	2 2	3 13	0 40	20 53	0 12	11 37	10 4	17 43	17 37	0n 3	16 36	6 10
S 17	20 43	9 43	4 43	15 25	3 15	25 29	2 10	23 24	0 43	13 36	1 14	6 17	2 2	3 14	0 40	20 53	0 12	11 37	10 4	17 43	17 36	0 6	16 36	6 10
S 18	20 54	4 28	4 8	15 9	3 25	25 17	1 59	23 29	0 44	13 34	1 14	6 16	2 2	3 15	0 40	20 53	0 12	11 36	10 3	17 44	17 35	0 10	16 35	6 10
M19	21 5	0n56	3 22	14 56	3 34	25 4	1 48	23 33	0 44	13 32	1 14	6 15	2 2	3 16	0 40	20 52	0 12	11 36	10 3	17 44	17 34	0 13	16 35	6 9
T 20	21 15	6 19	2 28	14 45	3 42	24 50	1 36	23 38	0 45	13 30	1 14	6 14	2 3	3 17	0 40	20 52	0 12	11 36	10 3	17 44	17 34	0 16	16 35	6 9
W21	21 25	11 32	1 26	14 35	3 49	24 36	1 24	23 42	0 45	13 29	1 13	6 13	2 3	3 18	0 40	20 52	0 12	11 36	10 3	17 45	17 33	0 19	16 35	6 9
T 22	21 35	16 23	0 21	14 29	3 55	24 22	1 11	23 46	0 46	13 27	1 13	6 12	2 3	3 19	0 40	20 51	0 12	11 36	10 3	17 45	17 32	0 23	16 34	6 8
F 23	21 44	20 38	0n47	14 24	3 59	24 6	0 58	23 50	0 46	13 25	1 13	6 11	2 3	3 19	0 40	20 51	0 12	11 36	10 3	17 45	17 31	0 26	16 34	6 8
S 24	21 53	24 2	1 54	14 22	4 2	23 51	0 45	23 54	0 46	13 24	1 13	6 10	2 4	3 20	0 40	20 51	0 12	11 35	10 3	17 45	17 30	0 29	16 34	6 8
S 25	22 2	26 18	2 56	14 22	4 4	23 34	0 31	23 57	0 47	13 22	1 13	6 9	2 4	3 21	0 40	20 51	0 12	11 35	10 3	17 44	17 29	0 32	16 33	6 8
M26	22 10	27 12	3 50	14 24	4 5	23 18	0 18	24 0	0 47	13 20	1 12	6 8	2 4	3 22	0 40	20 50	0 12	11 35	10 3	17 43	17 28	0 36	16 33	6 7
T 27	22 18	26 34	4 33	14 29	4 5	23 0	0 4	24 3	0 48	13 19	1 12	6 7	2 4	3 23	0 40	20 50	0 12	11 35	10 3	17 42	17 27	0 39	16 32	6 7
W28	22 26	24 25	5 1	14 36	4 3	22 43	0s10	24 6	0 48	13 17	1 12	6 6	2 5	3 23	0 40	20 50	0 12	11 35	10 2	17 41	17 27	0 42	16 32	6 7
T 29	22 33	20 50	5 14	14 44	4 1	22 25	0 25	24 9	0 48	13 16	1 12	6 5	2 5	3 24	0 40	20 49	0 12	11 35	10 2	17 41	17 26	0 45	16 32	6 6
F 30	22 40	16 5	5 8	14 55	3 58	22 7	0 39	24 11	0 49	13 15	1 11	6 4	2 5	3 25	0 40	20 49	0 12	11 35	10 2	17 40	17 25	0 49	16 31	6 6
S 31	22n46	10n25	4n44	15n 7	3s54	21n49	0s53	24n14	0n49	13s13	1n11	6s 4	2s 5	3n26	0s40	20n49	0s12	11s35	10n 2	17n40	17n24	0n52	16n31	6s 6

Julian Day Number = 2181027.5, Delta T = 11m30s
Ecliptic obliquity = 23°32'13, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'41, Lahiri = 13°31'41 Julian Calendar 1 May 1259 == Greg. Calendar 8 May 1259

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ASTRODIENST EPHEMERIS for the year 1259
geocentric

JUNE 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 4 43	16♊38'37	28♍53	24♉51	14°R24	24♊50	8°R16	19♓38	10♈12	26♋12	6°R24	19♉28	18♉26	9♈45	16♋10	S 1
M 2	17 8 39	17°35'50	13♎11	25°34	13♊47	25°30	8♏11	19°40	10°14	26°13	6♐22	19°30	18°23	9°52	16°16	M 2
T 3	17 12 36	18°33'02	27°34	26°21	13°10	26°10	8° 7	19°42	10°15	26°15	6°21	19°31	18°20	9°59	16°23	T 3
W 4	17 16 32	19°30'13	11♏59	27°13	12°34	26°49	8° 3	19°44	10°17	26°17	6°19	19°32	18°16	10° 5	16°29	W 4
T 5	17 20 29	20°27'23	26°21	28° 8	11°59	27°29	7°59	19°46	10°19	26°19	6°18	19°R32	18°13	10°12	16°36	T 5
F 6	17 24 25	21°24'34	10♐36	29° 7	11°26	28° 8	7°55	19°48	10°20	26°21	6°16	19°31	18°10	10°19	16°42	F 6
S 7	17 28 22	22°21'43	24°39	0♊11	10°54	28°48	7°51	19°50	10°22	26°23	6°15	19°28	18° 7	10°25	16°48	S 7
S 8	17 32 18	23°18'53	8♑27	1°18	10°23	29°27	7°47	19°52	10°23	26°25	6°13	19°23	18° 4	10°32	16°55	S 8
M 9	17 36 15	24°16'03	21°55	2°29	9°54	0♋ 6	7°44	19°53	10°25	26°27	6°12	19°18	18° 1	10°39	17° 2	M 9
T 10	17 40 12	25°13'12	5♒ 2	3°44	9°27	0°46	7°41	19°55	10°26	26°29	6°10	19°12	17°57	10°45	17° 8	T 10
W11	17 44 8	26°10'21	17°49	5° 2	9° 2	1°25	7°38	19°56	10°28	26°31	6° 9	19° 7	17°54	10°52	17°15	W11
T 12	17 48 5	27° 7'31	0♓17	6°24	8°40	2° 5	7°35	19°58	10°29	26°33	6° 7	19° 3	17°51	10°59	17°21	T 12
F 13	17 52 1	28° 4'40	12°29	7°50	8°19	2°44	7°32	19°59	10°30	26°35	6° 6	19° 0	17°48	11° 5	17°28	F 13
S 14	17 55 58	29° 1'50	24°29	9°19	8° 1	3°23	7°30	20° 0	10°32	26°37	6° 4	18°D58	17°45	11°12	17°35	S 14
S 15	17 59 54	29°59'00	6♈21	10°52	7°45	4° 2	7°27	20° 1	10°33	26°39	6° 3	18°59	17°41	11°19	17°41	S 15
M16	18 3 51	0♋56'10	18°11	12°28	7°31	4°42	7°25	20° 2	10°34	26°41	6° 1	19° 0	17°38	11°25	17°48	M16
T 17	18 7 47	1°53'20	0♉ 4	14° 8	7°20	5°21	7°23	20° 3	10°35	26°43	6° 0	19° 1	17°35	11°32	17°55	T 17
W18	18 11 44	2°50'31	12° 4	15°51	7°12	6° 0	7°21	20° 4	10°36	26°45	5°59	19° 2	17°32	11°39	18° 2	W18
T 19	18 15 41	3°47'42	24°16	17°37	7° 5	6°39	7°19	20° 4	10°37	26°47	5°57	19°R 2	17°29	11°45	18° 9	T 19
F 20	18 19 37	4°44'53	6♊43	19°27	7° 1	7°18	7°18	20° 5	10°38	26°49	5°56	19° 1	17°26	11°52	18°15	F 20
S 21	18 23 34	5°42'05	19°28	21°19	7°D 0	7°57	7°17	20° 5	10°39	26°51	5°55	18°57	17°22	11°59	18°22	S 21
S 22	18 27 30	6°39'17	2♋32	23°14	7° 0	8°36	7°16	20° 5	10°40	26°53	5°53	18°52	17°19	12° 5	18°29	S 22
M23	18 31 27	7°36'29	15°53	25°11	7° 3	9°16	7°15	20° 6	10°41	26°55	5°52	18°45	17°16	12°12	18°36	M23
T 24	18 35 23	8°33'42	29°31	27°11	7° 9	9°55	7°14	20° 6	10°42	26°57	5°51	18°36	17°13	12°19	18°43	T 24
W25	18 39 20	9°30'54	13♌22	29°13	7°16	10°34	7°13	20°R 6	10°42	26°59	5°49	18°28	17°10	12°25	18°50	W25
T 26	18 43 17	10°28'07	27°24	1♋17	7°26	11°13	7°13	20° 6	10°43	27° 2	5°48	18°21	17° 7	12°32	18°57	T 26
F 27	18 47 13	11°25'20	11♍31	3°22	7°37	11°52	7°13	20° 6	10°44	27° 4	5°47	18°16	17° 3	12°39	19° 4	F 27
S 28	18 51 10	12°22'33	25°41	5°28	7°51	12°30	7°D13	20° 5	10°44	27° 6	5°46	18°13	17° 0	12°45	19°11	S 28
S 29	18 55 6	13°19'46	9♎52	7°36	8° 6	13° 9	7°13	20° 5	10°45	27° 8	5°45	18°D12	16°57	12°52	19°18	S 29
M30	18 59 3	14♋16'59	24♎ 1	9♋44	8♊24	13♋48	7♏13	20♓ 4	10♈45	27♋10	5♐43	18♉12	16♉54	12♈59	19♋24	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n52	4n10	4n 3	15n21	3s49	21n31	1s 7	24n16	0n49	13s12	1n11	6s 3	2s 6	3n26	0s40	20n48	0s12	11s35	10n 2	17n40	17n23	0n55	16n30	6s 6
M 2	22 57	2s22	3 6	15 37	3 43	21 13	1 21	24 17	0 50	13 11	1 11	6 2	2 6	3 27	0 40	20 48	0 12	11 34	10 2	17 41	17 22	0 58	16 30	6 5
T 3	23 2	8 49	1 58	15 55	3 36	20 55	1 34	24 19	0 50	13 10	1 10	6 2	2 6	3 28	0 40	20 48	0 12	11 34	10 2	17 41	17 21	1 2	16 29	6 5
W 4	23 7	14 50	0 41	16 13	3 29	20 37	1 47	24 20	0 51	13 8	1 10	6 1	2 6	3 28	0 40	20 47	0 12	11 34	10 1	17 41	17 20	1 5	16 29	6 5
T 5	23 12	20 1	0s37	16 33	3 21	20 20	2 0	24 22	0 51	13 7	1 10	6 0	2 7	3 29	0 40	20 47	0 12	11 34	10 1	17 41	17 20	1 8	16 28	6 5
F 6	23 15	23 59	1 53	16 55	3 13	20 3	2 13	24 23	0 51	13 6	1 10	6 0	2 7	3 29	0 40	20 47	0 12	11 34	10 1	17 41	17 19	1 11	16 28	6 4
S 7	23 19	26 26	3 0	17 17	3 3	19 46	2 25	24 24	0 52	13 5	1 9	5 59	2 7	3 30	0 41	20 46	0 12	11 34	10 1	17 40	17 18	1 15	16 27	6 4
S 8	23 22	27 11	3 56	17 40	2 54	19 30	2 37	24 24	0 52	13 4	1 9	5 59	2 8	3 31	0 41	20 46	0 12	11 34	10 1	17 39	17 17	1 18	16 26	6 4
M 9	23 25	26 17	4 36	18 4	2 44	19 15	2 49	24 25	0 52	13 4	1 9	5 59	2 8	3 31	0 41	20 46	0 12	11 34	10 0	17 37	17 16	1 21	16 26	6 4
T 10	23 27	23 57	5 2	18 29	2 33	19 0	2 59	24 25	0 53	13 3	1 9	5 58	2 8	3 32	0 41	20 45	0 12	11 34	10 0	17 36	17 15	1 25	16 25	6 4
W11	23 29	20 29	5 11	18 54	2 22	18 46	3 10	24 25	0 53	13 2	1 8	5 58	2 8	3 32	0 41	20 45	0 11	11 34	10 0	17 34	17 14	1 28	16 25	6 4
T 12	23 30	16 10	5 5	19 19	2 11	18 33	3 20	24 25	0 53	13 1	1 8	5 58	2 9	3 33	0 41	20 45	0 11	11 34	10 0	17 33	17 13	1 31	16 24	6 3
F 13	23 31	11 17	4 45	19 45	1 59	18 21	3 29	24 24	0 54	13 1	1 8	5 57	2 9	3 33	0 41	20 44	0 11	11 34	10 0	17 32	17 12	1 34	16 23	6 3
S 14	23 32	6 5	4 13	20 10	1 47	18 9	3 38	24 24	0 54	13 0	1 8	5 57	2 9	3 34	0 41	20 44	0 11	11 34	9 59	17 32	17 12	1 38	16 23	6 3
S 15	23 32	0 42	3 31	20 36	1 35	17 58	3 46	24 23	0 54	13 0	1 7	5 57	2 9	3 34	0 41	20 44	0 11	11 34	9 59	17 32	17 11	1 41	16 22	6 3
M16	23 32	4n42	2 40	21 1	1 23	17 49	3 54	24 22	0 55	12 59	1 7	5 57	2 10	3 35	0 41	20 43	0 11	11 34	9 59	17 32	17 10	1 44	16 21	6 3
T 17	23 31	9 58	1 41	21 25	1 10	17 40	4 1	24 21	0 55	12 59	1 7	5 57	2 10	3 35	0 41	20 43	0 11	11 34	9 59	17 33	17 9	1 47	16 20	6 3
W18	23 30	14 55	0 38	21 49	0 58	17 32	4 8	24 19	0 55	12 58	1 7	5 57	2 10	3 35	0 41	20 42	0 11	11 34	9 58	17 33	17 8	1 51	16 20	6 3
T 19	23 29	19 22	0n28	22 12	0 46	17 25	4 14	24 18	0 56	12 58	1 6	5 57	2 11	3 36	0 41	20 42	0 11	11 34	9 58	17 33	17 7	1 54	16 19	6 2
F 20	23 27	23 4	1 34	22 34	0 33	17 18	4 19	24 16	0 56	12 58	1 6	5 57	2 11	3 36	0 41	20 42	0 11	11 34	9 58	17 33	17 6	1 57	16 18	6 2
S 21	23 25	25 43	2 37	22 54	0 21	17 13	4 25	24 14	0 56	12 58	1 6	5 57	2 11	3 36	0 41	20 41	0 11	11 34	9 58	17 32	17 5	2 0	16 17	6 2
S 22	23 22	27 3	3 33	23 13	0 9	17 8	4 29	24 12	0 57	12 58	1 6	5 57	2 11	3 37	0 41	20 41	0 11	11 34	9 57	17 30	17 4	2 4	16 16	6 2
M23	23 19	26 51	4 18	23 29	0n 2	17 5	4 34	24 10	0 57	12 57	1 5	5 57	2 12	3 37	0 41	20 40	0 11	11 34	9 57	17 28	17 3	2 7	16 16	6 2
T 24	23 16	25 3	4 50	23 44	0 14	17 2	4 37	24 7	0 57	12 57	1 5	5 57	2 12	3 37	0 41	20 40	0 11	11 34	9 57	17 26	17 3	2 10	16 15	6 2
W25	23 12	21 45	5 5	23 57	0 24	17 0	4 41	24 4	0 58	12 58	1 5	5 58	2 12	3 38	0 41	20 40	0 11	11 34	9 57	17 24	17 2	2 14	16 14	6 2
T 26	23 7	17 9	5 3	24 7	0 35	16 58	4 44	24 1	0 58	12 58	1 4	5 58	2 12	3 38	0 41	20 39	0 11	11 34	9 56	17 22	17 1	2 17	16 13	6 2
F 27	23 3	11 37	4 42	24 14	0 45	16 58	4 46	23 58	0 58	12 58	1 4	5 58	2 13	3 38	0 41	20 39	0 11	11 34	9 56	17 20	17 0	2 20	16 12	6 2
S 28	22 58	5 27	4 4	24 19	0 54	16 58	4 49	23 55	0 59	12 58	1 4	5 59	2 13	3 38	0 41	20 38	0 11	11 34	9 56	17 19	16 59	2 23	16 11	6 2
S 29	22 52	1s 0	3 11	24 21	1 2	16 58	4 50	23 52	0 59	12 58	1 4	5 59	2 13	3 38	0 41	20 38	0 11	11 35	9 55	17 19	16 58	2 27	16 10	6 2
M30	22n46	7s24	2n 6	24n21	1n10	16n59	4s52	23n48	0n59	12s59	1n 3	6s 0	2s14	3n39	0s41	20n38	0s11	11s35	9n55	17n19	16n57	2n30	16n10	6s 2

Julian Day Number = 2181058.5, Delta T = 11m30s
Ecliptic obliquity = 23°32'13, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'45, Lahiri = 13°31'45 Julian Calendar 1 June 1259 == Greg. Calendar 8 June 1259

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ASTRODIENST EPHEMERIS for the year 1259
geocentric

JULY 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 2 59	15♋14'12	8♏ 8	11♋52	8♊43	14♋27	7♏14	20°R 4	10♈46	27♋12	5°R42	18♉13	16♉51	13♈ 5	19♋31	T 1
W 2	19 6 56	16°11'26	22°10	14° 0	9° 4	15° 6	7°14	20♓ 3	10°46	27°15	5♐41	18°R13	16°47	13°12	19°38	W 2
T 3	19 10 52	17° 8'39	6♐ 7	16° 8	9°27	15°45	7°15	20° 2	10°46	27°17	5°40	18°11	16°44	13°19	19°45	T 3
F 4	19 14 49	18° 5'54	19°56	18°16	9°52	16°24	7°16	20° 1	10°47	27°19	5°39	18° 8	16°41	13°25	19°52	F 4
S 5	19 18 46	19° 3'09	3♑36	20°22	10°18	17° 2	7°18	20° 0	10°47	27°21	5°38	18° 2	16°38	13°32	19°59	S 5
S 6	19 22 42	20° 0'24	17° 4	22°28	10°46	17°41	7°19	19°59	10°47	27°23	5°37	17°53	16°35	13°39	20° 6	S 6
M 7	19 26 39	20°57'40	0♒16	24°33	11°15	18°20	7°21	19°58	10°47	27°26	5°36	17°43	16°32	13°45	20°13	M 7
T 8	19 30 35	21°54'57	13°13	26°37	11°45	18°59	7°23	19°57	10°47	27°28	5°35	17°32	16°28	13°52	20°20	T 8
W 9	19 34 32	22°52'14	25°53	28°39	12°18	19°37	7°24	19°56	10°48	27°30	5°34	17°22	16°25	13°59	20°27	W 9
T 10	19 38 28	23°49'33	8♓17	0♌40	12°51	20°16	7°27	19°54	10°R48	27°32	5°33	17°13	16°22	14° 5	20°34	T 10
F 11	19 42 25	24°46'52	20°26	2°39	13°26	20°55	7°29	19°53	10°47	27°35	5°32	17° 5	16°19	14°12	20°41	F 11
S 12	19 46 21	25°44'13	2♈24	4°37	14° 2	21°33	7°31	19°51	10°47	27°37	5°31	17° 1	16°16	14°19	20°48	S 12
S 13	19 50 18	26°41'34	14°16	6°33	14°39	22°12	7°34	19°49	10°47	27°39	5°30	16°58	16°13	14°25	20°55	S 13
M14	19 54 15	27°38'57	26° 5	8°28	15°17	22°51	7°37	19°47	10°47	27°41	5°29	16°D57	16° 9	14°32	21° 2	M14
T 15	19 58 11	28°36'21	7♉58	10°21	15°57	23°29	7°40	19°45	10°47	27°43	5°29	16°57	16° 6	14°39	21° 9	T 15
W16	20 2 8	29°33'46	19°59	12°13	16°37	24° 8	7°43	19°43	10°47	27°46	5°28	16°R58	16° 3	14°45	21°16	W16
T 17	20 6 4	0♌31'12	2♊13	14° 3	17°19	24°46	7°46	19°41	10°46	27°48	5°27	16°57	16° 0	14°52	21°23	T 17
F 18	20 10 1	1°28'40	14°46	15°51	18° 1	25°25	7°50	19°39	10°46	27°50	5°26	16°54	15°57	14°59	21°30	F 18
S 19	20 13 57	2°26'09	27°41	17°38	18°45	26° 3	7°54	19°37	10°45	27°52	5°26	16°48	15°53	15° 5	21°37	S 19
S 20	20 17 54	3°23'39	10♋59	19°23	19°29	26°42	7°57	19°34	10°45	27°55	5°25	16°40	15°50	15°12	21°44	S 20
M21	20 21 50	4°21'10	24°40	21° 7	20°15	27°20	8° 1	19°32	10°44	27°57	5°24	16°30	15°47	15°19	21°51	M21
T 22	20 25 47	5°18'43	8♌42	22°49	21° 1	27°59	8° 6	19°29	10°44	27°59	5°24	16°19	15°44	15°25	21°58	T 22
W23	20 29 44	6°16'16	23° 0	24°29	21°48	28°37	8°10	19°26	10°43	28° 1	5°23	16° 8	15°41	15°32	22° 5	W23
T 24	20 33 40	7°13'51	7♍28	26° 8	22°36	29°16	8°15	19°24	10°43	28° 3	5°23	15°57	15°38	15°39	22°12	T 24
F 25	20 37 37	8°11'27	21°58	27°46	23°24	29°54	8°19	19°21	10°42	28° 6	5°22	15°49	15°34	15°45	22°19	F 25
S 26	20 41 33	9° 9'03	6♎27	29°22	24°14	0♌33	8°24	19°18	10°41	28° 8	5°22	15°44	15°31	15°52	22°25	S 26
S 27	20 45 30	10° 6'41	20°48	0♍56	25° 4	1°11	8°29	19°15	10°40	28°10	5°21	15°41	15°28	15°59	22°32	S 27
M28	20 49 26	11° 4'19	4♏59	2°29	25°54	1°49	8°34	19°12	10°39	28°12	5°21	15°41	15°25	16° 5	22°39	M28
T 29	20 53 23	12° 1'59	18°59	4° 0	26°46	2°28	8°39	19° 9	10°38	28°14	5°21	15°41	15°22	16°12	22°46	T 29
W30	20 57 19	12°59'40	2♐49	5°30	27°38	3° 6	8°45	19° 5	10°38	28°17	5°20	15°40	15°19	16°19	22°53	W30
T 31	21 1 16	13♌57'22	16♐27	6♍58	28♊30	3♌44	8♏50	19♓ 2	10♈37	28♋19	5♐20	15♉38	15♉15	16♈25	22♋59	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n40	13s26	0n54	24n17	1n17	17n 1	4s53	23n44	0n59	12s59	1n 3	6s 0	2s14	3n39	0s41	20n37	0s11	11s35	9n55	17n19	16n56	2n33	16n 9	6s 2
W 2	22 33	18 44	0s21	24 11	1 24	17 4	4 54	23 40	1 0	13 0	1 3	6 1	2 14	3 39	0 41	20 37	0 11	11 35	9 54	17 19	16 55	2 36	16 8	6 2
T 3	22 26	22 58	1 34	24 2	1 30	17 6	4 54	23 36	1 0	13 0	1 3	6 1	2 14	3 39	0 41	20 36	0 11	11 35	9 54	17 19	16 54	2 40	16 7	6 2
F 4	22 18	25 50	2 41	23 51	1 34	17 10	4 55	23 31	1 0	13 1	1 2	6 2	2 15	3 39	0 41	20 36	0 11	11 35	9 54	17 18	16 53	2 43	16 6	6 2
S 5	22 11	27 7	3 38	23 36	1 39	17 13	4 55	23 27	1 1	13 2	1 2	6 2	2 15	3 39	0 41	20 35	0 11	11 35	9 53	17 16	16 53	2 46	16 5	6 2
S 6	22 2	26 45	4 21	23 20	1 42	17 18	4 54	23 22	1 1	13 2	1 2	6 3	2 15	3 39	0 41	20 35	0 11	11 35	9 53	17 14	16 52	2 49	16 4	6 2
M 7	21 54	24 53	4 49	23 1	1 44	17 22	4 54	23 17	1 1	13 3	1 2	6 4	2 15	3 39	0 41	20 35	0 11	11 36	9 53	17 11	16 51	2 53	16 3	6 2
T 8	21 45	21 44	5 2	22 40	1 46	17 27	4 53	23 12	1 1	13 4	1 1	6 4	2 16	3 39	0 41	20 34	0 11	11 36	9 52	17 8	16 50	2 56	16 2	6 2
W 9	21 35	17 38	5 0	22 16	1 48	17 32	4 52	23 7	1 2	13 5	1 1	6 5	2 16	3 39	0 41	20 34	0 11	11 36	9 52	17 5	16 49	2 59	16 1	6 2
T 10	21 26	12 52	4 43	21 51	1 48	17 38	4 51	23 1	1 2	13 6	1 1	6 6	2 16	3 39	0 41	20 33	0 11	11 36	9 52	17 2	16 48	3 3	16 0	6 2
F 11	21 15	7 41	4 14	21 24	1 48	17 43	4 49	22 56	1 2	13 7	1 0	6 7	2 16	3 39	0 42	20 33	0 11	11 36	9 51	17 0	16 47	3 6	15 58	6 2
S 12	21 5	2 18	3 34	20 55	1 47	17 49	4 47	22 50	1 2	13 8	1 0	6 8	2 17	3 39	0 42	20 33	0 11	11 37	9 51	16 59	16 46	3 9	15 57	6 2
S 13	20 54	3n 7	2 45	20 25	1 46	17 55	4 45	22 44	1 3	13 9	1 0	6 9	2 17	3 39	0 42	20 32	0 11	11 37	9 51	16 58	16 45	3 12	15 56	6 2
M14	20 43	8 26	1 49	19 53	1 44	18 2	4 43	22 38	1 3	13 10	1 0	6 10	2 17	3 39	0 42	20 32	0 11	11 37	9 50	16 58	16 44	3 16	15 55	6 2
T 15	20 31	13 28	0 48	19 20	1 41	18 8	4 41	22 31	1 3	13 11	0 59	6 11	2 17	3 39	0 42	20 31	0 11	11 37	9 50	16 58	16 43	3 19	15 54	6 2
W16	20 20	18 4	0n16	18 46	1 38	18 14	4 39	22 25	1 3	13 13	0 59	6 12	2 18	3 39	0 42	20 31	0 11	11 37	9 50	16 58	16 43	3 22	15 53	6 2
T 17	20 7	22 0	1 20	18 11	1 34	18 21	4 36	22 18	1 4	13 14	0 59	6 13	2 18	3 38	0 42	20 30	0 11	11 38	9 49	16 58	16 42	3 25	15 52	6 2
F 18	19 55	25 1	2 22	17 35	1 30	18 27	4 33	22 11	1 4	13 15	0 59	6 14	2 18	3 38	0 42	20 30	0 11	11 38	9 49	16 57	16 41	3 29	15 51	6 2
S 19	19 42	26 49	3 18	16 58	1 26	18 34	4 30	22 4	1 4	13 17	0 58	6 15	2 18	3 38	0 42	20 30	0 11	11 38	9 49	16 56	16 40	3 32	15 49	6 3
S 20	19 29	27 9	4 5	16 21	1 21	18 40	4 27	21 57	1 4	13 18	0 58	6 16	2 19	3 38	0 42	20 29	0 11	11 38	9 48	16 53	16 39	3 35	15 48	6 3
M21	19 15	25 52	4 40	15 43	1 16	18 47	4 24	21 50	1 5	13 20	0 58	6 17	2 19	3 38	0 42	20 29	0 11	11 39	9 48	16 50	16 38	3 39	15 47	6 3
T 22	19 1	22 57	4 58	15 4	1 10	18 53	4 21	21 43	1 5	13 21	0 58	6 19	2 19	3 37	0 42	20 28	0 11	11 39	9 47	16 47	16 37	3 42	15 46	6 3
W23	18 47	18 36	4 59	14 25	1 4	19 0	4 18	21 35	1 5	13 23	0 57	6 20	2 19	3 37	0 42	20 28	0 11	11 39	9 47	16 44	16 36	3 45	15 45	6 3
T 24	18 32	13 8	4 40	13 45	0 57	19 6	4 14	21 27	1 5	13 25	0 57	6 21	2 20	3 37	0 42	20 27	0 11	11 39	9 47	16 41	16 35	3 48	15 43	6 3
F 25	18 18	6 55	4 4	13 6	0 51	19 12	4 11	21 19	1 6	13 26	0 57	6 22	2 20	3 36	0 42	20 27	0 11	11 40	9 46	16 39	16 34	3 52	15 42	6 3
S 26	18 2	0 22	3 11	12 26	0 44	19 18	4 7	21 11	1 6	13 28	0 57	6 24	2 20	3 36	0 42	20 26	0 11	11 40	9 46	16 37	16 33	3 55	15 41	6 4
S 27	17 47	6s11	2 7	11 45	0 36	19 24	4 3	21 3	1 6	13 30	0 56	6 25	2 20	3 36	0 42	20 26	0 11	11 40	9 45	16 36	16 32	3 58	15 40	6 4
M28	17 31	12 21	0 56	11 5	0 29	19 29	3 59	20 55	1 6	13 32	0 56	6 27	2 20	3 35	0 42	20 26	0 11	11 41	9 45	16 36	16 31	4 1	15 38	6 4
T 29	17 15	17 49	0s18	10 25	0 21	19 35	3 55	20 46	1 6	13 34	0 56	6 28	2 21	3 35	0 42	20 25	0 11	11 41	9 45	16 36	16 30	4 5	15 37	6 4
W30	16 59	22 16	1 29	9 44	0 13	19 40	3 51	20 37	1 7	13 36	0 56	6 30	2 21	3 35	0 42	20 25	0 11	11 41	9 44	16 36	16 30	4 8	15 36	6 4
T 31	16n42	25s25	2s35	9n 4	0n 5	19n45	3s47	20n29	1n 7	13s38	0n55	6s31	2s21	3n34	0s42	20n24	0s11	11s42	9n44	16n35	16n29	4n11	15n35	6s 5

Julian Day Number = 2181088.5, Delta T = 11m30s
Ecliptic obliquity = 23°32'13, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'49, Lahiri = 13°31'49 Julian Calendar 1 July 1259 == Greg. Calendar 8 July 1259

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1259
geocentric

AUGUST 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 5 13	14♌55'05	29♐54	8♍25	29♊23	4♌23	8♏56	18°R59	10°R36	28♋21	5°R20	15°R33	15♉12	16♈32	23♋ 6	F 1
S 2	21 9 9	15°52'49	13♑10	9°50	0♋17	5° 1	9° 2	18♓55	10♈34	28°23	5♐19	15♉25	15° 9	16°39	23°13	S 2
S 3	21 13 6	16°50'35	26°15	11°13	1°12	5°39	9° 8	18°52	10°33	28°25	5°19	15°15	15° 6	16°45	23°20	S 3
M 4	21 17 2	17°48'21	9♒ 9	12°35	2° 6	6°18	9°14	18°48	10°32	28°27	5°19	15° 3	15° 3	16°52	23°26	M 4
T 5	21 20 59	18°46'10	21°49	13°55	3° 2	6°56	9°21	18°44	10°31	28°29	5°19	14°49	14°59	16°59	23°33	T 5
W 6	21 24 55	19°43'59	4♓17	15°13	3°58	7°34	9°27	18°41	10°30	28°32	5°19	14°37	14°56	17° 5	23°40	W 6
T 7	21 28 52	20°41'51	16°31	16°30	4°54	8°12	9°34	18°37	10°28	28°34	5°18	14°25	14°53	17°12	23°46	T 7
F 8	21 32 48	21°39'44	28°35	17°45	5°51	8°50	9°41	18°33	10°27	28°36	5°18	14°16	14°50	17°19	23°53	F 8
S 9	21 36 45	22°37'38	10♈30	18°58	6°49	9°29	9°48	18°29	10°26	28°38	5°18	14° 9	14°47	17°25	23°59	S 9
S 10	21 40 42	23°35'35	22°19	20° 9	7°47	10° 7	9°55	18°25	10°24	28°40	5°D18	14° 5	14°44	17°32	24° 6	S 10
M11	21 44 38	24°33'33	4♉ 7	21°18	8°45	10°45	10° 2	18°21	10°23	28°42	5°18	14° 3	14°40	17°39	24°12	M11
T 12	21 48 35	25°31'33	15°58	22°24	9°44	11°23	10° 9	18°17	10°21	28°44	5°18	14°D 3	14°37	17°45	24°18	T 12
W13	21 52 31	26°29'35	27°57	23°29	10°43	12° 1	10°16	18°13	10°20	28°46	5°19	14°R 3	14°34	17°52	24°25	W13
T 14	21 56 28	27°27'40	10♊11	24°31	11°42	12°40	10°24	18° 9	10°18	28°48	5°19	14° 3	14°31	17°59	24°31	T 14
F 15	22 0 24	28°25'46	22°44	25°31	12°42	13°18	10°32	18° 5	10°17	28°50	5°19	14° 0	14°28	18° 5	24°38	F 15
S 16	22 4 21	29°23'54	5♋41	26°28	13°43	13°56	10°40	18° 0	10°15	28°52	5°19	13°56	14°24	18°12	24°44	S 16
S 17	22 8 17	0♍22'04	19° 5	27°22	14°43	14°34	10°48	17°56	10°13	28°54	5°19	13°49	14°21	18°19	24°50	S 17
M18	22 12 14	1°20'17	2♌56	28°13	15°44	15°12	10°56	17°52	10°12	28°56	5°19	13°40	14°18	18°25	24°56	M18
T 19	22 16 11	2°18'31	17°13	29° 1	16°46	15°50	11° 4	17°47	10°10	28°58	5°20	13°29	14°15	18°32	25° 2	T 19
W20	22 20 7	3°16'46	1♍50	29°46	17°48	16°28	11°12	17°43	10° 8	29° 0	5°20	13°18	14°12	18°39	25° 8	W20
T 21	22 24 4	4°15'04	16°40	0♎27	18°50	17° 6	11°21	17°38	10° 6	29° 2	5°20	13° 9	14° 9	18°45	25°15	T 21
F 22	22 28 0	5°13'23	1♎35	1° 5	19°52	17°44	11°29	17°34	10° 4	29° 4	5°21	13° 1	14° 5	18°52	25°21	F 22
S 23	22 31 57	6°11'45	16°26	1°38	20°55	18°22	11°38	17°29	10° 3	29° 5	5°21	12°56	14° 2	18°59	25°27	S 23
S 24	22 35 53	7°10'07	1♏ 6	2° 6	21°58	19° 1	11°47	17°25	10° 1	29° 7	5°22	12°54	13°59	19° 5	25°32	S 24
M25	22 39 50	8° 8'32	15°29	2°30	23° 1	19°39	11°56	17°20	9°59	29° 9	5°22	12°D53	13°56	19°12	25°38	M25
T 26	22 43 46	9° 6'58	29°35	2°49	24° 4	20°17	12° 5	17°16	9°57	29°11	5°23	12°54	13°53	19°19	25°44	T 26
W27	22 47 43	10° 5'26	13♐23	3° 2	25° 8	20°55	12°14	17°11	9°55	29°13	5°23	12°R54	13°50	19°25	25°50	W27
T 28	22 51 40	11° 3'55	26°52	3°10	26°12	21°33	12°23	17° 7	9°53	29°14	5°24	12°53	13°46	19°32	25°56	T 28
F 29	22 55 36	12° 2'26	10♑ 6	3°R11	27°17	22°11	12°33	17° 2	9°51	29°16	5°24	12°49	13°43	19°39	26° 1	F 29
S 30	22 59 33	13° 0'59	23° 5	3° 6	28°21	22°49	12°42	16°57	9°49	29°18	5°25	12°44	13°40	19°45	26° 7	S 30
S 31	23 3 29	13♍59'33	5♒51	2♎54	29♋26	23♌27	12♏52	16♓53	9♈46	29♋20	5♐26	12♉36	13♉37	19♈52	26♋13	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n26	27s 3	3s31	8n24	0s 4	19n49	3s43	20n20	1n 7	13s40	0n55	6s33	2s21	3n34	0s42	20n24	0s11	11s42	9n43	16n34	16n28	4n15	15n33	6s 5	F 1
S 2	16 8	27 6	4 14	7 44	0 12	19 54	3 38	20 11	1 7	13 42	0 55	6 34	2 21	3 33	0 42	20 23	0 11	11 42	9 43	16 32	16 27	4 18	15 32	6 5	S 2
S 3	15 51	25 38	4 44	7 4	0 21	19 58	3 34	20 1	1 7	13 44	0 55	6 36	2 22	3 33	0 42	20 23	0 11	11 43	9 43	16 29	16 26	4 21	15 31	6 5	S 3
M 4	15 33	22 50	4 58	6 24	0 30	20 2	3 30	19 52	1 8	13 46	0 54	6 37	2 22	3 32	0 42	20 23	0 11	11 43	9 42	16 25	16 25	4 24	15 29	6 5	M 4
T 5	15 16	18 59	4 58	5 45	0 39	20 5	3 25	19 43	1 8	13 49	0 54	6 39	2 22	3 32	0 42	20 22	0 11	11 44	9 42	16 21	16 24	4 28	15 28	6 6	T 5
W 6	14 57	14 22	4 43	5 7	0 48	20 8	3 21	19 33	1 8	13 51	0 54	6 40	2 22	3 31	0 42	20 22	0 11	11 44	9 41	16 17	16 23	4 31	15 27	6 6	W 6
T 7	14 39	9 15	4 15	4 28	0 57	20 11	3 16	19 23	1 8	13 53	0 54	6 42	2 22	3 31	0 42	20 21	0 11	11 44	9 41	16 14	16 22	4 34	15 25	6 6	T 7
F 8	14 21	3 52	3 36	3 51	1 6	20 13	3 11	19 13	1 8	13 56	0 54	6 44	2 23	3 30	0 42	20 21	0 11	11 45	9 41	16 11	16 21	4 37	15 24	6 7	F 8
S 9	14 2	1n36	2 48	3 13	1 16	20 15	3 7	19 3	1 9	13 58	0 53	6 46	2 23	3 30	0 42	20 21	0 11	11 45	9 40	16 9	16 20	4 41	15 23	6 7	S 9
S 10	13 43	6 59	1 53	2 37	1 25	20 17	3 2	18 53	1 9	14 0	0 53	6 47	2 23	3 29	0 42	20 20	0 11	11 45	9 40	16 8	16 19	4 44	15 21	6 7	S 10
M11	13 23	12 7	0 53	2 1	1 35	20 18	2 57	18 43	1 9	14 3	0 53	6 49	2 23	3 29	0 42	20 20	0 11	11 46	9 39	16 7	16 18	4 47	15 20	6 7	M11
T 12	13 4	16 51	0n10	1 26	1 44	20 19	2 52	18 32	1 9	14 5	0 53	6 51	2 23	3 28	0 42	20 19	0 11	11 46	9 39	16 7	16 17	4 51	15 18	6 8	T 12
W13	12 44	20 58	1 13	0 52	1 54	20 19	2 48	18 22	1 9	14 8	0 52	6 52	2 23	3 27	0 42	20 19	0 11	11 47	9 39	16 7	16 16	4 54	15 17	6 8	W13
T 14	12 24	24 17	2 14	0 18	2 3	20 19	2 43	18 11	1 9	14 10	0 52	6 54	2 23	3 27	0 42	20 19	0 11	11 47	9 38	16 7	16 16	4 57	15 16	6 8	T 14
F 15	12 4	26 30	3 10	0s14	2 12	20 19	2 38	18 1	1 10	14 13	0 52	6 56	2 24	3 26	0 42	20 18	0 11	11 48	9 38	16 6	16 15	5 0	15 14	6 9	F 15
S 16	11 44	27 23	3 58	0 45	2 22	20 18	2 33	17 50	1 10	14 16	0 52	6 58	2 24	3 25	0 42	20 18	0 11	11 48	9 37	16 5	16 14	5 4	15 13	6 9	S 16
S 17	11 23	26 42	4 35	1 15	2 31	20 16	2 28	17 39	1 10	14 18	0 52	7 0	2 24	3 25	0 42	20 17	0 11	11 48	9 37	16 3	16 13	5 7	15 11	6 9	S 17
M18	11 3	24 24	4 57	1 44	2 40	20 14	2 23	17 28	1 10	14 21	0 51	7 1	2 24	3 24	0 43	20 17	0 11	11 49	9 37	16 0	16 12	5 10	15 10	6 10	M18
T 19	10 42	20 31	5 2	2 11	2 49	20 12	2 18	17 16	1 10	14 24	0 51	7 3	2 24	3 23	0 43	20 17	0 11	11 49	9 36	15 57	16 11	5 13	15 9	6 10	T 19
W20	10 21	15 19	4 47	2 37	2 57	20 9	2 13	17 5	1 10	14 27	0 51	7 5	2 24	3 23	0 43	20 16	0 11	11 50	9 36	15 54	16 10	5 17	15 7	6 10	W20
T 21	9 59	9 9	4 13	3 1	3 6	20 6	2 8	16 54	1 11	14 30	0 51	7 7	2 24	3 22	0 43	20 16	0 11	11 50	9 35	15 51	16 9	5 20	15 6	6 11	T 21
F 22	9 38	2 26	3 21	3 23	3 14	20 2	2 3	16 42	1 11	14 32	0 50	7 9	2 25	3 21	0 43	20 15	0 11	11 51	9 35	15 49	16 8	5 23	15 4	6 11	F 22
S 23	9 17	4s24	2 16	3 44	3 21	19 57	1 58	16 30	1 11	14 35	0 50	7 11	2 25	3 20	0 43	20 15	0 11	11 51	9 34	15 47	16 7	5 27	15 3	6 12	S 23
S 24	8 55	10 56	1 2	4 2	3 29	19 52	1 53	16 19	1 11	14 38	0 50	7 13	2 25	3 20	0 43	20 15	0 11	11 52	9 34	15 46	16 6	5 30	15 1	6 12	S 24
M25	8 33	16 46	0s14	4 17	3 36	19 47	1 48	16 7	1 11	14 41	0 50	7 15	2 25	3 19	0 43	20 14	0 11	11 52	9 34	15 46	16 5	5 33	15 0	6 12	M25
T 26	8 11	21 35	1 28	4 31	3 42	19 41	1 44	15 55	1 11	14 44	0 50	7 16	2 25	3 18	0 43	20 14	0 11	11 53	9 33	15 46	16 4	5 36	14 59	6 13	T 26
W27	7 49	25 4	2 35	4 41	3 47	19 35	1 39	15 43	1 11	14 47	0 49	7 18	2 25	3 17	0 43	20 14	0 11	11 53	9 33	15 46	16 3	5 40	14 57	6 13	W27
T 28	7 27	27 2	3 32	4 48	3 52	19 28	1 34	15 31	1 12	14 50	0 49	7 20	2 25	3 16	0 43	20 13	0 11	11 54	9 32	15 46	16 2	5 43	14 56	6 14	T 28
F 29	7 4	27 25	4 17	4 52	3 56	19 20	1 29	15 18	1 12	14 53	0 49	7 22	2 25	3 16	0 43	20 13	0 11	11 54	9 32	15 45	16 1	5 46	14 54	6 14	F 29
S 30	6 42	26 16	4 47	4 53	3 59	19 12	1 24	15 6	1 12	14 56	0 49	7 24	2 25	3 15	0 43	20 12	0 11	11 55	9 32	15 43	16 0	5 49	14 53	6 14	S 30
S 31	6n19	23s46	5s 2	4s50	4s 0	19n 4	1s19	14n54	1n12	14s59	0n49	7s26	2s25	3n14	0s43	20n12	0s11	11s55	9n31	15n41	15n59	5n53	14n51	6s15	S 31

Julian Day Number = 2181119.5, Delta T = 11m29s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'53, Lahiri = 13°31'54 Julian Calendar 1 Aug. 1259 == Greg. Calendar 8 Aug. 1259

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ASTRODIENST EPHEMERIS for the year 1259
geocentric

SEPTEMBER 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 7 26	14♍58'09	18♒26	2°R35	0♌31	24♌ 4	13♏ 1	16°R48	9°R44	29♋21	5♐26	12°R26	13♉34	19♈59	26♋18	M 1
T 2	23 11 22	15°56'47	0♓50	2♎10	1°37	24°42	13°11	16♓43	9♈42	29°23	5°27	12♉15	13°30	20° 5	26°24	T 2
W 3	23 15 19	16°55'27	13° 3	1°37	2°42	25°20	13°21	16°39	9°40	29°25	5°28	12° 5	13°27	20°12	26°29	W 3
T 4	23 19 15	17°54'09	25° 8	0°57	3°48	25°58	13°31	16°34	9°38	29°26	5°29	11°56	13°24	20°19	26°34	T 4
F 5	23 23 12	18°52'53	7♈ 4	0°10	4°54	26°36	13°41	16°29	9°36	29°28	5°30	11°48	13°21	20°25	26°40	F 5
S 6	23 27 9	19°51'39	18°55	29♍18	6° 1	27°14	13°51	16°25	9°33	29°29	5°31	11°43	13°18	20°32	26°45	S 6
S 7	23 31 5	20°50'27	0♉42	28°20	7° 7	27°52	14° 2	16°20	9°31	29°31	5°31	11°40	13°15	20°39	26°50	S 7
M 8	23 35 2	21°49'17	12°29	27°17	8°14	28°30	14°12	16°15	9°29	29°33	5°32	11°D40	13°11	20°45	26°55	M 8
T 9	23 38 58	22°48'10	24°20	26°12	9°21	29° 8	14°22	16°11	9°26	29°34	5°33	11°40	13° 8	20°52	27° 0	T 9
W10	23 42 55	23°47'05	6♊19	25° 5	10°28	29°46	14°33	16° 6	9°24	29°35	5°34	11°42	13° 5	20°58	27° 5	W10
T 11	23 46 51	24°46'02	18°31	23°58	11°36	0♍24	14°44	16° 1	9°22	29°37	5°35	11°43	13° 2	21° 5	27°10	T 11
F 12	23 50 48	25°45'02	1♋ 1	22°52	12°43	1° 2	14°54	15°57	9°19	29°38	5°36	11°R43	12°59	21°12	27°15	F 12
S 13	23 54 44	26°44'04	13°54	21°50	13°51	1°39	15° 5	15°52	9°17	29°40	5°37	11°41	12°56	21°18	27°20	S 13
S 14	23 58 41	27°43'09	27°14	20°53	14°59	2°17	15°16	15°48	9°15	29°41	5°39	11°38	12°52	21°25	27°24	S 14
M15	0 2 38	28°42'15	11♌ 3	20° 3	16° 7	2°55	15°27	15°43	9°12	29°42	5°40	11°33	12°49	21°32	27°29	M15
T 16	0 6 34	29°41'24	25°20	19°21	17°16	3°33	15°38	15°39	9°10	29°44	5°41	11°27	12°46	21°38	27°33	T 16
W17	0 10 31	0♎40'36	10♍ 3	18°49	18°24	4°11	15°49	15°34	9° 8	29°45	5°42	11°20	12°43	21°45	27°38	W17
T 18	0 14 27	1°39'49	25° 3	18°26	19°33	4°49	16° 1	15°30	9° 5	29°46	5°43	11°14	12°40	21°52	27°42	T 18
F 19	0 18 24	2°39'04	10♎13	18°14	20°42	5°26	16°12	15°26	9° 3	29°48	5°45	11°10	12°36	21°58	27°47	F 19
S 20	0 22 20	3°38'22	25°23	18°D12	21°51	6° 4	16°23	15°21	9° 0	29°49	5°46	11° 7	12°33	22° 5	27°51	S 20
S 21	0 26 17	4°37'41	10♏22	18°21	23° 0	6°42	16°35	15°17	8°58	29°50	5°47	11°D 6	12°30	22°12	27°55	S 21
M22	0 30 13	5°37'03	25° 4	18°41	24° 9	7°20	16°46	15°13	8°55	29°51	5°49	11° 7	12°27	22°18	27°59	M22
T 23	0 34 10	6°36'26	9♐24	19°10	25°19	7°58	16°58	15° 8	8°53	29°52	5°50	11° 8	12°24	22°25	28° 3	T 23
W24	0 38 7	7°35'52	23°20	19°49	26°28	8°36	17°10	15° 4	8°51	29°53	5°51	11°10	12°21	22°32	28° 7	W24
T 25	0 42 3	8°35'19	6♑53	20°37	27°38	9°13	17°21	15° 0	8°48	29°54	5°53	11°R10	12°17	22°38	28°11	T 25
F 26	0 46 0	9°34'47	20° 3	21°32	28°48	9°51	17°33	14°56	8°46	29°55	5°54	11°10	12°14	22°45	28°15	F 26
S 27	0 49 56	10°34'18	2♒54	22°35	29°58	10°29	17°45	14°52	8°43	29°56	5°56	11° 8	12°11	22°52	28°19	S 27
S 28	0 53 53	11°33'50	15°29	23°44	1♍ 8	11° 7	17°57	14°48	8°41	29°57	5°57	11° 5	12° 8	22°58	28°22	S 28
M29	0 57 49	12°33'24	27°50	24°58	2°19	11°44	18° 9	14°44	8°38	29°58	5°59	11° 0	12° 5	23° 5	28°26	M29
T 30	1 1 46	13♎33'00	10♓ 1	26♍17	3♍29	12♍22	18♏21	14♓41	8♈36	29♋59	6♐ 0	10♉55	12♉ 2	23♈12	28♋29	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n57	20s10	5s 3	4s43	4s 1	18n55	1s14	14n41	1n12	15s 2	0n49	7s28	2s25	3n13	0s43	20n12	0s11	11s56	9n31	15n38	15n58	5n56	14n50	6s15
T 2	5 34	15 43	4 49	4 32	4 0	18 45	1 9	14 28	1 12	15 6	0 48	7 30	2 25	3 12	0 43	20 11	0 11	11 56	9 30	15 35	15 57	5 59	14 48	6 16
W 3	5 11	10 43	4 22	4 16	3 58	18 35	1 5	14 16	1 12	15 9	0 48	7 31	2 25	3 11	0 43	20 11	0 11	11 57	9 30	15 31	15 57	6 2	14 47	6 16
T 4	4 48	5 21	3 43	3 57	3 53	18 25	1 0	14 3	1 13	15 12	0 48	7 33	2 25	3 11	0 43	20 11	0 11	11 57	9 30	15 29	15 56	6 6	14 46	6 17
F 5	4 25	0n 8	2 55	3 33	3 47	18 14	0 55	13 50	1 13	15 15	0 48	7 35	2 26	3 10	0 43	20 10	0 11	11 58	9 29	15 26	15 55	6 9	14 44	6 17
S 6	4 2	5 36	1 59	3 4	3 39	18 2	0 50	13 37	1 13	15 18	0 48	7 37	2 26	3 9	0 43	20 10	0 11	11 58	9 29	15 25	15 54	6 12	14 43	6 18
S 7	3 39	10 51	0 59	2 32	3 30	17 50	0 46	13 24	1 13	15 22	0 47	7 39	2 26	3 8	0 43	20 10	0 11	11 59	9 28	15 24	15 53	6 15	14 41	6 18
M 8	3 15	15 43	0n 4	1 56	3 18	17 37	0 41	13 11	1 13	15 25	0 47	7 41	2 26	3 7	0 43	20 9	0 11	12 0	9 28	15 24	15 52	6 19	14 40	6 19
T 9	2 52	20 2	1 8	1 18	3 4	17 24	0 37	12 58	1 13	15 28	0 47	7 43	2 26	3 6	0 43	20 9	0 11	12 0	9 28	15 24	15 51	6 22	14 38	6 19
W10	2 29	23 34	2 9	0 37	2 49	17 10	0 32	12 45	1 13	15 31	0 47	7 44	2 26	3 5	0 43	20 9	0 11	12 1	9 27	15 24	15 50	6 25	14 37	6 20
T 11	2 5	26 8	3 6	0n 5	2 32	16 56	0 28	12 31	1 13	15 35	0 47	7 46	2 26	3 4	0 43	20 9	0 11	12 1	9 27	15 25	15 49	6 28	14 36	6 20
F 12	1 42	27 27	3 55	0 48	2 13	16 41	0 23	12 18	1 13	15 38	0 47	7 48	2 26	3 3	0 43	20 8	0 11	12 2	9 26	15 25	15 48	6 32	14 34	6 21
S 13	1 18	27 21	4 34	1 30	1 54	16 26	0 19	12 4	1 14	15 41	0 46	7 50	2 26	3 2	0 43	20 8	0 11	12 2	9 26	15 24	15 47	6 35	14 33	6 21
S 14	0 55	25 42	5 0	2 11	1 34	16 11	0 14	11 51	1 14	15 45	0 46	7 51	2 26	3 1	0 43	20 8	0 11	12 3	9 26	15 23	15 46	6 38	14 31	6 22
M15	0 31	22 29	5 10	2 50	1 14	15 55	0 10	11 37	1 14	15 48	0 46	7 53	2 26	3 0	0 43	20 7	0 11	12 3	9 25	15 22	15 45	6 41	14 30	6 22
T 16	0 7	17 50	5 1	3 25	0 53	15 38	0 6	11 24	1 14	15 51	0 46	7 55	2 26	3 0	0 43	20 7	0 11	12 4	9 25	15 20	15 44	6 45	14 28	6 23
W17	0s16	12 2	4 32	3 56	0 33	15 21	0 2	11 10	1 14	15 55	0 46	7 57	2 26	2 59	0 43	20 7	0 11	12 5	9 25	15 18	15 43	6 48	14 27	6 23
T 18	0 40	5 24	3 44	4 23	0 14	15 3	0n 2	10 56	1 14	15 58	0 46	7 58	2 25	2 58	0 43	20 7	0 11	12 5	9 24	15 16	15 42	6 51	14 26	6 24
F 19	1 4	1s37	2 40	4 44	0n 4	14 45	0 7	10 42	1 14	16 2	0 45	8 0	2 25	2 57	0 43	20 6	0 11	12 6	9 24	15 14	15 41	6 54	14 24	6 25
S 20	1 27	8 32	1 25	5 1	0 22	14 27	0 11	10 28	1 14	16 5	0 45	8 2	2 25	2 56	0 43	20 6	0 11	12 6	9 23	15 14	15 40	6 58	14 23	6 25
S 21	1 51	14 56	0 4	5 12	0 37	14 8	0 14	10 14	1 14	16 8	0 45	8 3	2 25	2 55	0 43	20 6	0 11	12 7	9 23	15 13	15 39	7 1	14 22	6 26
M22	2 14	20 20	1s16	5 18	0 52	13 49	0 18	10 0	1 14	16 12	0 45	8 5	2 25	2 54	0 43	20 6	0 11	12 7	9 23	15 13	15 38	7 4	14 20	6 26
T 23	2 38	24 24	2 28	5 18	1 5	13 29	0 22	9 46	1 14	16 15	0 45	8 7	2 25	2 53	0 43	20 5	0 11	12 8	9 22	15 14	15 37	7 7	14 19	6 27
W24	3 2	26 52	3 30	5 13	1 17	13 9	0 26	9 32	1 14	16 19	0 45	8 8	2 25	2 52	0 43	20 5	0 10	12 9	9 22	15 14	15 36	7 11	14 17	6 27
T 25	3 25	27 40	4 19	5 4	1 27	12 48	0 30	9 18	1 15	16 22	0 45	8 10	2 25	2 51	0 43	20 5	0 10	12 9	9 22	15 15	15 35	7 14	14 16	6 28
F 26	3 49	26 51	4 52	4 50	1 36	12 27	0 33	9 3	1 15	16 26	0 44	8 11	2 25	2 50	0 43	20 5	0 10	12 10	9 21	15 14	15 34	7 17	14 15	6 29
S 27	4 12	24 37	5 10	4 32	1 43	12 6	0 37	8 49	1 15	16 29	0 44	8 13	2 25	2 49	0 43	20 5	0 10	12 10	9 21	15 14	15 33	7 20	14 13	6 29
S 28	4 36	21 13	5 12	4 10	1 49	11 44	0 40	8 35	1 15	16 33	0 44	8 14	2 25	2 48	0 43	20 4	0 10	12 11	9 21	15 13	15 32	7 24	14 12	6 30
M29	4 59	16 57	5 0	3 45	1 54	11 22	0 43	8 20	1 15	16 36	0 44	8 15	2 25	2 47	0 43	20 4	0 10	12 11	9 20	15 11	15 31	7 27	14 11	6 31
T 30	5s22	12s 4	4s34	3n17	1n58	11n 0	0n47	8n 6	1n15	16s40	0n44	8s17	2s25	2n46	0s43	20n 4	0s10	12s12	9n20	15n10	15n30	7n30	14n10	6s31

Julian Day Number = 2181150.5, Delta T = 11m29s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°24'57, Lahiri = 13°31'58 Julian Calendar 1 Sept. 1259 == Greg. Calendar 8 Sept. 1259

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ASTRODIENST EPHEMERIS for the year 1259
geocentric

OCTOBER 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 5 42	14♎32'38	22♓ 3	27♍40	4♍40	13♍ 0	18♏33	14°R37	8°R34	0♌ 0	6♐ 2	10°R51	11♉58	23♈18	28♋33	W 1
T 2	1 9 39	15°32'18	3♈58	29° 7	5°50	13°37	18°45	14♓33	8♈31	0° 1	6° 3	10♉47	11°55	23°25	28°36	T 2
F 3	1 13 35	16°31'59	15°49	0♎37	7° 1	14°15	18°58	14°30	8°29	0° 2	6° 5	10°43	11°52	23°32	28°39	F 3
S 4	1 17 32	17°31'43	27°37	2° 9	8°12	14°53	19°10	14°26	8°26	0° 2	6° 7	10°41	11°49	23°38	28°42	S 4
S 5	1 21 29	18°31'29	9♉25	3°43	9°23	15°31	19°22	14°23	8°24	0° 3	6° 8	10°D41	11°46	23°45	28°45	S 5
M 6	1 25 25	19°31'17	21°15	5°19	10°35	16° 8	19°35	14°19	8°21	0° 4	6°10	10°41	11°42	23°51	28°48	M 6
T 7	1 29 22	20°31'07	3♊ 9	6°56	11°46	16°46	19°47	14°16	8°19	0° 5	6°12	10°42	11°39	23°58	28°51	T 7
W 8	1 33 18	21°31'00	15°12	8°34	12°58	17°24	20° 0	14°13	8°17	0° 5	6°14	10°44	11°36	24° 5	28°54	W 8
T 9	1 37 15	22°30'54	27°26	10°13	14° 9	18° 1	20°12	14°10	8°14	0° 6	6°15	10°45	11°33	24°11	28°57	T 9
F 10	1 41 11	23°30'51	9♋56	11°52	15°21	18°39	20°25	14° 7	8°12	0° 6	6°17	10°47	11°30	24°18	28°59	F 10
S 11	1 45 8	24°30'50	22°45	13°31	16°33	19°17	20°38	14° 4	8°10	0° 7	6°19	10°R47	11°27	24°25	29° 2	S 11
S 12	1 49 4	25°30'51	5♌58	15°11	17°45	19°54	20°50	14° 1	8° 7	0° 8	6°21	10°47	11°23	24°31	29° 4	S 12
M13	1 53 1	26°30'55	19°37	16°51	18°57	20°32	21° 3	13°58	8° 5	0° 8	6°23	10°46	11°20	24°38	29° 6	M13
T 14	1 56 58	27°31'00	3♍43	18°31	20° 9	21°10	21°16	13°55	8° 3	0° 8	6°25	10°44	11°17	24°45	29° 9	T 14
W15	2 0 54	28°31'08	18°15	20°10	21°21	21°47	21°29	13°52	8° 1	0° 9	6°26	10°43	11°14	24°51	29°11	W15
T 16	2 4 51	29°31'18	3♎ 8	21°50	22°33	22°25	21°42	13°50	7°58	0° 9	6°28	10°41	11°11	24°58	29°13	T 16
F 17	2 8 47	0♏31'30	18°16	23°29	23°46	23° 2	21°55	13°47	7°56	0°10	6°30	10°40	11° 7	25° 5	29°15	F 17
S 18	2 12 44	1°31'43	3♏30	25° 8	24°58	23°40	22° 8	13°45	7°54	0°10	6°32	10°D40	11° 4	25°11	29°17	S 18
S 19	2 16 40	2°31'59	18°39	26°47	26°11	24°18	22°21	13°43	7°52	0°10	6°34	10°40	11° 1	25°18	29°18	S 19
M20	2 20 37	3°32'16	3♐35	28°26	27°23	24°55	22°34	13°41	7°50	0°10	6°36	10°40	10°58	25°25	29°20	M20
T 21	2 24 33	4°32'35	18°10	0♏ 4	28°36	25°33	22°47	13°39	7°48	0°11	6°38	10°41	10°55	25°31	29°21	T 21
W22	2 28 30	5°32'56	2♑20	1°41	29°49	26°10	23° 0	13°37	7°46	0°11	6°40	10°41	10°52	25°38	29°23	W22
T 23	2 32 27	6°33'18	16° 3	3°19	1♎ 2	26°48	23°13	13°35	7°43	0°11	6°42	10°42	10°48	25°45	29°24	T 23
F 24	2 36 23	7°33'42	29°19	4°56	2°15	27°25	23°26	13°33	7°41	0°11	6°44	10°42	10°45	25°51	29°25	F 24
S 25	2 40 20	8°34'06	12♒12	6°33	3°28	28° 3	23°39	13°31	7°39	0°11	6°46	10°R42	10°42	25°58	29°26	S 25
S 26	2 44 16	9°34'33	24°44	8° 9	4°41	28°40	23°53	13°30	7°37	0°R11	6°49	10°42	10°39	26° 5	29°27	S 26
M27	2 48 13	10°35'00	6♓59	9°45	5°54	29°18	24° 6	13°28	7°36	0°11	6°51	10°D42	10°36	26°11	29°28	M27
T 28	2 52 9	11°35'29	19° 2	11°21	7° 8	29°55	24°19	13°27	7°34	0°11	6°53	10°42	10°33	26°18	29°29	T 28
W29	2 56 6	12°35'59	0♈57	12°57	8°21	0♎33	24°32	13°25	7°32	0°11	6°55	10°42	10°29	26°24	29°30	W29
T 30	3 0 2	13°36'31	12°46	14°32	9°34	1°10	24°46	13°24	7°30	0°11	6°57	10°42	10°26	26°31	29°30	T 30
F 31	3 3 59	14♏37'04	24♈34	16♏ 7	10♎48	1♎48	24♏59	13♓23	7♈28	0♌11	6♐59	10♉43	10♉23	26♈38	29♋31	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s45	6s47	3s56	2n46	2n 0	10n37	0n50	7n52	1n15	16s43	0n44	8s18	2s25	2n45	0s43	20n 4	0s10	12s13	9n20	15n 8	15n29	7n33	14n 8	6s32
T 2	6 8	1 18	3 8	2 13	2 2	10 14	0 53	7 37	1 15	16 47	0 44	8 20	2 25	2 44	0 43	20 4	0 10	12 13	9 19	15 7	15 28	7 37	14 7	6 32
F 3	6 32	4n12	2 13	1 37	2 2	9 50	0 56	7 22	1 15	16 50	0 43	8 21	2 24	2 43	0 43	20 3	0 10	12 14	9 19	15 6	15 27	7 40	14 6	6 33
S 4	6 54	9 34	1 11	1 0	2 2	9 27	0 59	7 8	1 15	16 54	0 43	8 22	2 24	2 42	0 43	20 3	0 10	12 14	9 19	15 5	15 26	7 43	14 5	6 34
S 5	7 17	14 35	0 7	0 22	2 1	9 2	1 2	6 53	1 15	16 57	0 43	8 23	2 24	2 41	0 43	20 3	0 10	12 15	9 18	15 5	15 25	7 46	14 3	6 34
M 6	7 40	19 5	0n58	0s18	1 59	8 38	1 5	6 39	1 15	17 1	0 43	8 25	2 24	2 40	0 43	20 3	0 10	12 16	9 18	15 5	15 24	7 50	14 2	6 35
T 7	8 3	22 51	2 1	0 59	1 56	8 13	1 8	6 24	1 15	17 4	0 43	8 26	2 24	2 40	0 43	20 3	0 10	12 16	9 18	15 6	15 24	7 53	14 1	6 36
W 8	8 25	25 41	2 59	1 40	1 53	7 48	1 10	6 9	1 15	17 8	0 43	8 27	2 24	2 39	0 43	20 3	0 10	12 17	9 17	15 6	15 23	7 56	14 0	6 36
T 9	8 48	27 21	3 51	2 23	1 50	7 23	1 13	5 54	1 15	17 11	0 43	8 28	2 24	2 38	0 43	20 3	0 10	12 17	9 17	15 7	15 22	7 59	13 59	6 37
F 10	9 10	27 41	4 32	3 5	1 46	6 57	1 15	5 40	1 15	17 15	0 42	8 29	2 24	2 37	0 43	20 2	0 10	12 18	9 17	15 7	15 21	8 3	13 57	6 38
S 11	9 32	26 34	5 1	3 48	1 42	6 32	1 18	5 25	1 15	17 18	0 42	8 30	2 23	2 36	0 43	20 2	0 10	12 19	9 16	15 7	15 20	8 6	13 56	6 38
S 12	9 54	23 57	5 16	4 31	1 37	6 6	1 20	5 10	1 15	17 22	0 42	8 31	2 23	2 35	0 43	20 2	0 10	12 19	9 16	15 7	15 19	8 9	13 55	6 39
M13	10 16	19 56	5 13	5 14	1 32	5 39	1 22	4 55	1 15	17 25	0 42	8 32	2 23	2 34	0 43	20 2	0 10	12 20	9 16	15 7	15 18	8 12	13 54	6 40
T 14	10 38	14 43	4 52	5 57	1 26	5 13	1 25	4 40	1 15	17 28	0 42	8 33	2 23	2 33	0 43	20 2	0 10	12 20	9 16	15 6	15 17	8 15	13 53	6 40
W15	11 0	8 31	4 12	6 40	1 21	4 46	1 27	4 25	1 15	17 32	0 42	8 34	2 23	2 32	0 43	20 2	0 10	12 21	9 15	15 6	15 16	8 19	13 52	6 41
T 16	11 21	1 42	3 14	7 23	1 15	4 19	1 29	4 11	1 15	17 35	0 42	8 35	2 23	2 31	0 43	20 2	0 10	12 21	9 15	15 5	15 15	8 22	13 51	6 42
F 17	11 42	5s20	2 1	8 5	1 9	3 52	1 31	3 56	1 15	17 39	0 42	8 36	2 23	2 31	0 43	20 2	0 10	12 22	9 15	15 5	15 14	8 25	13 50	6 42
S 18	12 3	12 7	0 40	8 48	1 3	3 25	1 32	3 41	1 15	17 42	0 42	8 36	2 22	2 30	0 43	20 2	0 10	12 23	9 15	15 5	15 13	8 28	13 49	6 43
S 19	12 24	18 9	0s44	9 29	0 57	2 58	1 34	3 26	1 15	17 46	0 41	8 37	2 22	2 29	0 42	20 2	0 10	12 23	9 14	15 5	15 12	8 32	13 48	6 44
M20	12 45	22 59	2 4	10 11	0 50	2 30	1 36	3 11	1 15	17 49	0 41	8 38	2 22	2 28	0 42	20 2	0 10	12 24	9 14	15 5	15 11	8 35	13 47	6 45
T 21	13 5	26 13	3 14	10 51	0 44	2 3	1 37	2 56	1 15	17 53	0 41	8 38	2 22	2 27	0 42	20 2	0 10	12 24	9 14	15 5	15 10	8 38	13 46	6 45
W22	13 26	27 40	4 10	11 32	0 37	1 35	1 39	2 41	1 15	17 56	0 41	8 39	2 22	2 26	0 42	20 2	0 10	12 25	9 13	15 5	15 9	8 41	13 45	6 46
T 23	13 46	27 21	4 49	12 12	0 30	1 7	1 40	2 26	1 15	18 0	0 41	8 40	2 22	2 26	0 42	20 2	0 10	12 25	9 13	15 6	15 8	8 44	13 44	6 47
F 24	14 5	25 27	5 12	12 51	0 24	0 39	1 41	2 11	1 15	18 3	0 41	8 40	2 21	2 25	0 42	20 2	0 10	12 26	9 13	15 6	15 7	8 48	13 43	6 47
S 25	14 25	22 17	5 18	13 29	0 17	0 11	1 42	1 56	1 15	18 6	0 41	8 41	2 21	2 24	0 42	20 2	0 10	12 27	9 13	15 6	15 6	8 51	13 42	6 48
S 26	14 44	18 10	5 8	14 7	0 10	0s17	1 43	1 41	1 15	18 10	0 41	8 41	2 21	2 23	0 42	20 2	0 10	12 27	9 13	15 6	15 5	8 54	13 41	6 49
M27	15 3	13 23	4 45	14 44	0 4	0 45	1 44	1 26	1 15	18 13	0 41	8 42	2 21	2 23	0 42	20 2	0 10	12 28	9 12	15 6	15 4	8 57	13 40	6 49
T 28	15 22	8 11	4 10	15 21	0s 3	1 14	1 45	1 11	1 15	18 16	0 41	8 42	2 21	2 22	0 42	20 2	0 10	12 28	9 12	15 6	15 3	9 0	13 39	6 50
W29	15 41	2 44	3 24	15 56	0 10	1 42	1 46	0 56	1 15	18 20	0 40	8 42	2 21	2 21	0 42	20 2	0 10	12 29	9 12	15 6	15 2	9 4	13 38	6 51
T 30	15 59	2n47	2 29	16 31	0 16	2 10	1 47	0 41	1 15	18 23	0 40	8 42	2 20	2 20	0 42	20 2	0 10	12 29	9 12	15 6	15 1	9 7	13 38	6 51
F 31	16s17	8n11	1s29	17s 6	0s23	2s39	1n47	0n26	1n15	18s26	0n40	8s43	2s20	2n20	0s42	20n 2	0s10	12s30	9n11	15n 6	15n 0	9n10	13n37	6s52

Julian Day Number = 2181180.5, Delta T = 11m29s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'02, Lahiri = 13°32'02 Julian Calendar 1 Oct. 1259 == Greg. Calendar 8 Oct. 1259

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ASTRODIENST EPHEMERIS for the year 1259
geocentric

NOVEMBER 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 7 56	15♏37'39	6♉23	17♏42	12♎ 1	2♎25	25♏12	13°R22	7°R26	0°R11	7♐ 1	10°R43	10♉20	26♈44	29♋31	S 1
S 2	3 11 52	16°38'15	18°15	19°16	13°15	3° 3	25°26	13♓21	7♈25	0♌10	7° 3	10♉43	10°17	26°51	29°32	S 2
M 3	3 15 49	17°38'53	0♊12	20°51	14°28	3°40	25°39	13°21	7°23	0°10	7° 6	10°42	10°13	26°58	29°32	M 3
T 4	3 19 45	18°39'32	12°16	22°25	15°42	4°18	25°53	13°20	7°21	0°10	7° 8	10°42	10°10	27° 4	29°R32	T 4
W 5	3 23 42	19°40'13	24°29	23°59	16°56	4°55	26° 6	13°19	7°20	0°10	7°10	10°40	10° 7	27°11	29°32	W 5
T 6	3 27 38	20°40'55	6♋53	25°33	18°10	5°32	26°19	13°19	7°18	0° 9	7°12	10°39	10° 4	27°18	29°32	T 6
F 7	3 31 35	21°41'39	19°31	27° 6	19°24	6°10	26°33	13°19	7°16	0° 9	7°14	10°38	10° 1	27°24	29°32	F 7
S 8	3 35 31	22°42'25	2♌24	28°40	20°38	6°47	26°46	13°18	7°15	0° 8	7°17	10°36	9°58	27°31	29°31	S 8
S 9	3 39 28	23°43'12	15°35	0♐13	21°52	7°25	27° 0	13°18	7°13	0° 8	7°19	10°36	9°54	27°38	29°31	S 9
M10	3 43 25	24°44'01	29° 6	1°47	23° 6	8° 2	27°13	13°D18	7°12	0° 8	7°21	10°D36	9°51	27°44	29°30	M10
T 11	3 47 21	25°44'51	12♍58	3°20	24°20	8°39	27°27	13°18	7°11	0° 7	7°23	10°36	9°48	27°51	29°30	T 11
W12	3 51 18	26°45'43	27°11	4°53	25°34	9°17	27°40	13°19	7° 9	0° 6	7°26	10°37	9°45	27°58	29°29	W12
T 13	3 55 14	27°46'36	11♎45	6°26	26°48	9°54	27°54	13°19	7° 8	0° 6	7°28	10°38	9°42	28° 4	29°28	T 13
F 14	3 59 11	28°47'30	26°34	7°59	28° 2	10°31	28° 7	13°19	7° 7	0° 5	7°30	10°40	9°39	28°11	29°27	F 14
S 15	4 3 7	29°48'26	11♏33	9°32	29°17	11° 9	28°21	13°20	7° 5	0° 5	7°33	10°R40	9°35	28°17	29°26	S 15
S 16	4 7 4	0♐49'23	26°34	11° 4	0♏31	11°46	28°34	13°21	7° 4	0° 4	7°35	10°39	9°32	28°24	29°25	S 16
M17	4 11 0	1°50'22	11♐29	12°37	1°45	12°23	28°48	13°21	7° 3	0° 3	7°37	10°38	9°29	28°31	29°24	M17
T 18	4 14 57	2°51'21	26° 9	14°10	3° 0	13° 0	29° 1	13°22	7° 2	0° 3	7°39	10°35	9°26	28°37	29°23	T 18
W19	4 18 54	3°52'21	10♑27	15°42	4°14	13°38	29°15	13°23	7° 1	0° 2	7°42	10°31	9°23	28°44	29°21	W19
T 20	4 22 50	4°53'22	24°19	17°15	5°29	14°15	29°28	13°24	7° 0	0° 1	7°44	10°28	9°19	28°51	29°20	T 20
F 21	4 26 47	5°54'24	7♒44	18°47	6°43	14°52	29°42	13°25	6°59	0° 0	7°46	10°25	9°16	28°57	29°18	F 21
S 22	4 30 43	6°55'26	20°43	20°19	7°58	15°29	29°55	13°27	6°58	29♋59	7°49	10°22	9°13	29° 4	29°16	S 22
S 23	4 34 40	7°56'29	3♓18	21°51	9°12	16° 6	0♐ 9	13°28	6°57	29°58	7°51	10°D21	9°10	29°11	29°15	S 23
M24	4 38 36	8°57'32	15°35	23°22	10°27	16°44	0°22	13°30	6°57	29°58	7°53	10°21	9° 7	29°17	29°13	M24
T 25	4 42 33	9°58'36	27°36	24°53	11°41	17°21	0°36	13°31	6°56	29°57	7°55	10°23	9° 4	29°24	29°11	T 25
W26	4 46 30	10°59'40	9♈28	26°24	12°56	17°58	0°49	13°33	6°55	29°56	7°58	10°24	9° 0	29°31	29° 9	W26
T 27	4 50 26	12° 0'45	21°16	27°54	14°11	18°35	1° 2	13°35	6°55	29°55	8° 0	10°26	8°57	29°37	29° 6	T 27
F 28	4 54 23	13° 1'50	3♉ 3	29°23	15°25	19°12	1°16	13°37	6°54	29°54	8° 2	10°27	8°54	29°44	29° 4	F 28
S 29	4 58 19	14° 2'56	14°54	0♑51	16°40	19°49	1°29	13°39	6°53	29°53	8° 5	10°R28	8°51	29°51	29° 2	S 29
S 30	5 2 16	15♐ 4'02	26♉52	2♑19	17♏55	20♎26	1♐42	13♓41	6♈53	29♋52	8♐ 7	10♉26	8♉48	29♈57	28♋59	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s35	13n19	0s24	17s39	0s29	3s 7	1n48	0n11	1n15	18s30	0n40	8s43	2s20	2n19	0s42	20n 2	0s10	12s30	9n11	15n 6	14n59	9n13	13n36	6s53
S 2	16 53	18 0	0n42	18 11	0 36	3 35	1 48	0s 4	1 15	18 33	0 40	8 43	2 20	2 18	0 42	20 2	0 10	12 31	9 11	15 6	14 58	9 16	13 35	6 54
M 3	17 10	22 0	1 46	18 43	0 42	4 3	1 49	0 19	1 15	18 36	0 40	8 43	2 20	2 18	0 42	20 2	0 10	12 31	9 11	15 6	14 57	9 20	13 35	6 54
T 4	17 27	25 6	2 46	19 14	0 48	4 32	1 49	0 34	1 15	18 40	0 40	8 43	2 19	2 17	0 42	20 2	0 10	12 32	9 11	15 6	14 56	9 23	13 34	6 55
W 5	17 43	27 5	3 40	19 43	0 54	5 0	1 49	0 49	1 15	18 43	0 40	8 43	2 19	2 17	0 42	20 2	0 10	12 33	9 10	15 5	14 55	9 26	13 33	6 56
T 6	18 0	27 45	4 24	20 12	1 0	5 28	1 49	1 4	1 15	18 46	0 40	8 43	2 19	2 16	0 42	20 2	0 10	12 33	9 10	15 5	14 54	9 29	13 32	6 56
F 7	18 16	26 59	4 56	20 40	1 6	5 56	1 49	1 19	1 15	18 49	0 40	8 43	2 19	2 15	0 42	20 2	0 10	12 34	9 10	15 4	14 53	9 32	13 32	6 57
S 8	18 31	24 48	5 14	21 7	1 12	6 24	1 49	1 34	1 15	18 52	0 40	8 43	2 19	2 15	0 42	20 2	0 10	12 34	9 10	15 4	14 52	9 36	13 31	6 58
S 9	18 47	21 15	5 16	21 33	1 18	6 52	1 49	1 48	1 15	18 56	0 39	8 43	2 18	2 14	0 42	20 2	0 10	12 35	9 10	15 4	14 51	9 39	13 31	6 58
M10	19 2	16 31	5 1	21 57	1 23	7 19	1 49	2 3	1 15	18 59	0 39	8 43	2 18	2 14	0 42	20 2	0 10	12 35	9 10	15 4	14 50	9 42	13 30	6 59
T 11	19 16	10 50	4 28	22 21	1 28	7 47	1 49	2 18	1 15	19 2	0 39	8 43	2 18	2 13	0 42	20 3	0 10	12 36	9 9	15 4	14 49	9 45	13 30	7 0
W12	19 31	4 27	3 38	22 44	1 33	8 15	1 48	2 33	1 15	19 5	0 39	8 42	2 18	2 13	0 42	20 3	0 10	12 36	9 9	15 4	14 48	9 48	13 29	7 0
T 13	19 45	2s19	2 33	23 5	1 38	8 42	1 48	2 48	1 14	19 8	0 39	8 42	2 18	2 12	0 42	20 3	0 10	12 37	9 9	15 5	14 47	9 52	13 29	7 1
F 14	19 58	9 5	1 17	23 25	1 43	9 9	1 47	3 3	1 14	19 11	0 39	8 42	2 17	2 12	0 42	20 3	0 10	12 37	9 9	15 5	14 46	9 55	13 28	7 2
S 15	20 12	15 26	0s 5	23 44	1 47	9 36	1 47	3 17	1 14	19 14	0 39	8 41	2 17	2 11	0 42	20 3	0 10	12 38	9 9	15 5	14 45	9 58	13 28	7 2
S 16	20 24	20 52	1 27	24 2	1 52	10 3	1 46	3 32	1 14	19 17	0 39	8 41	2 17	2 11	0 42	20 3	0 10	12 38	9 9	15 5	14 44	10 1	13 27	7 3
M17	20 37	24 56	2 42	24 19	1 55	10 29	1 45	3 47	1 14	19 20	0 39	8 40	2 17	2 10	0 42	20 3	0 10	12 39	9 9	15 4	14 43	10 4	13 27	7 4
T 18	20 49	27 14	3 45	24 34	1 59	10 56	1 44	4 1	1 14	19 24	0 39	8 40	2 17	2 10	0 42	20 4	0 10	12 39	9 9	15 3	14 42	10 8	13 26	7 4
W19	21 1	27 39	4 33	24 48	2 3	11 22	1 43	4 16	1 14	19 27	0 39	8 39	2 16	2 10	0 42	20 4	0 10	12 39	9 8	15 2	14 41	10 11	13 26	7 5
T 20	21 12	26 18	5 2	25 0	2 6	11 48	1 42	4 30	1 14	19 29	0 39	8 39	2 16	2 9	0 42	20 4	0 10	12 40	9 8	15 1	14 40	10 14	13 26	7 6
F 21	21 23	23 28	5 14	25 12	2 8	12 13	1 41	4 45	1 14	19 32	0 39	8 38	2 16	2 9	0 42	20 4	0 10	12 40	9 8	15 0	14 39	10 17	13 26	7 6
S 22	21 33	19 32	5 10	25 21	2 11	12 38	1 40	4 59	1 14	19 35	0 38	8 37	2 16	2 9	0 41	20 4	0 10	12 41	9 8	15 0	14 38	10 20	13 25	7 7
S 23	21 43	14 50	4 50	25 30	2 13	13 3	1 39	5 14	1 13	19 38	0 38	8 37	2 16	2 8	0 41	20 4	0 10	12 41	9 8	14 59	14 37	10 23	13 25	7 8
M24	21 53	9 39	4 17	25 36	2 14	13 28	1 38	5 28	1 13	19 41	0 38	8 36	2 15	2 8	0 41	20 5	0 10	12 42	9 8	14 59	14 35	10 27	13 25	7 8
T 25	22 2	4 14	3 34	25 42	2 16	13 52	1 36	5 43	1 13	19 44	0 38	8 35	2 15	2 8	0 41	20 5	0 10	12 42	9 8	15 0	14 34	10 30	13 25	7 9
W26	22 11	1n17	2 42	25 46	2 16	14 16	1 35	5 57	1 13	19 47	0 38	8 34	2 15	2 8	0 41	20 5	0 10	12 43	9 8	15 0	14 33	10 33	13 24	7 9
T 27	22 19	6 44	1 43	25 48	2 17	14 40	1 34	6 11	1 13	19 50	0 38	8 33	2 15	2 7	0 41	20 5	0 10	12 43	9 8	15 1	14 32	10 36	13 24	7 10
F 28	22 27	11 57	0 41	25 49	2 16	15 4	1 32	6 25	1 13	19 53	0 38	8 32	2 15	2 7	0 41	20 5	0 10	12 43	9 8	15 1	14 31	10 39	13 24	7 11
S 29	22 35	16 46	0n24	25 48	2 16	15 27	1 30	6 40	1 13	19 55	0 38	8 31	2 14	2 7	0 41	20 6	0 10	12 44	9 8	15 1	14 30	10 42	13 24	7 11
S 30	22s42	20n58	1n28	25s45	2s14	15s49	1n29	6s54	1n13	19s58	0n38	8s30	2s14	2n 7	0s41	20n 6	0s10	12s44	9n 8	15n 1	14n29	10n46	13n24	7s12

Julian Day Number = 2181211.5, Delta T = 11m29s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'06, Lahiri = 13°32'06 Julian Calendar 1 Nov. 1259 == Greg. Calendar 8 Nov. 1259

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ASTRODIENST EPHEMERIS for the year 1259
geocentric

DECEMBER 1259 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 6 12	16♐ 5'09	8♊59	3♉45	19♏10	21♎ 3	1♐56	13♓43	6°R52	29°R50	8♐ 9	10°R23	8♉45	0♉ 4	28°R57	M 1
T 2	5 10 9	17° 6'16	21°17	5°10	20°24	21°40	2° 9	13°46	6♈52	29♋49	8°11	10♉18	8°41	0°10	28♋54	T 2
W 3	5 14 5	18° 7'24	3♋47	6°34	21°39	22°17	2°22	13°48	6°52	29°48	8°14	10°12	8°38	0°17	28°51	W 3
T 4	5 18 2	19° 8'32	16°30	7°55	22°54	22°54	2°36	13°51	6°51	29°47	8°16	10° 4	8°35	0°24	28°49	T 4
F 5	5 21 59	20° 9'41	29°25	9°14	24° 9	23°31	2°49	13°53	6°51	29°46	8°18	9°57	8°32	0°30	28°46	F 5
S 6	5 25 55	21°10'51	12♌33	10°31	25°24	24° 8	3° 2	13°56	6°51	29°45	8°20	9°51	8°29	0°37	28°43	S 6
S 7	5 29 52	22°12'01	25°53	11°44	26°38	24°45	3°15	13°59	6°51	29°43	8°23	9°46	8°25	0°44	28°40	S 7
M 8	5 33 48	23°13'11	9♍27	12°53	27°53	25°22	3°28	14° 2	6°51	29°42	8°25	9°43	8°22	0°50	28°37	M 8
T 9	5 37 45	24°14'22	23°13	13°58	29° 8	25°58	3°41	14° 5	6°D51	29°41	8°27	9°D42	8°19	0°57	28°33	T 9
W10	5 41 41	25°15'33	7♎13	14°58	0♐23	26°35	3°55	14° 8	6°51	29°39	8°29	9°43	8°16	1° 4	28°30	W10
T 11	5 45 38	26°16'45	21°26	15°52	1°38	27°12	4° 8	14°11	6°51	29°38	8°32	9°44	8°13	1°10	28°27	T 11
F 12	5 49 34	27°17'58	5♏51	16°40	2°53	27°49	4°21	14°15	6°51	29°37	8°34	9°R45	8°10	1°17	28°23	F 12
S 13	5 53 31	28°19'11	20°24	17°20	4° 8	28°26	4°34	14°18	6°51	29°35	8°36	9°44	8° 6	1°24	28°20	S 13
S 14	5 57 28	29°20'24	5♐ 2	17°51	5°23	29° 2	4°46	14°21	6°51	29°34	8°38	9°42	8° 3	1°30	28°16	S 14
M15	6 1 24	0♑21'38	19°38	18°13	6°38	29°39	4°59	14°25	6°52	29°33	8°40	9°37	8° 0	1°37	28°13	M15
T 16	6 5 21	1°22'51	4♑ 5	18°25	7°53	0♏16	5°12	14°29	6°52	29°31	8°43	9°29	7°57	1°44	28° 9	T 16
W17	6 9 17	2°24'05	18°16	18°R27	9° 8	0°52	5°25	14°33	6°52	29°30	8°45	9°21	7°54	1°50	28° 5	W17
T 18	6 13 14	3°25'18	2♒ 8	18°16	10°23	1°29	5°38	14°37	6°53	29°28	8°47	9°11	7°51	1°57	28° 2	T 18
F 19	6 17 10	4°26'31	15°35	17°54	11°38	2° 6	5°50	14°41	6°53	29°27	8°49	9° 2	7°47	2° 4	27°58	F 19
S 20	6 21 7	5°27'43	28°38	17°20	12°53	2°42	6° 3	14°45	6°54	29°25	8°51	8°54	7°44	2°10	27°54	S 20
S 21	6 25 4	6°28'55	11♓17	16°35	14° 8	3°19	6°16	14°49	6°54	29°24	8°53	8°48	7°41	2°17	27°50	S 21
M22	6 29 0	7°30'07	23°36	15°39	15°23	3°55	6°28	14°53	6°55	29°22	8°55	8°45	7°38	2°23	27°46	M22
T 23	6 32 57	8°31'18	5♈39	14°34	16°38	4°32	6°41	14°57	6°56	29°21	8°57	8°D44	7°35	2°30	27°42	T 23
W24	6 36 53	9°32'28	17°32	13°22	17°53	5° 8	6°53	15° 2	6°57	29°19	8°59	8°44	7°31	2°37	27°38	W24
T 25	6 40 50	10°33'38	29°19	12° 5	19° 8	5°44	7° 6	15° 6	6°57	29°17	9° 1	8°45	7°28	2°43	27°34	T 25
F 26	6 44 46	11°34'47	11♉ 7	10°46	20°23	6°21	7°18	15°11	6°58	29°16	9° 3	8°R45	7°25	2°50	27°30	F 26
S 27	6 48 43	12°35'55	23° 0	9°27	21°38	6°57	7°30	15°16	6°59	29°14	9° 5	8°44	7°22	2°57	27°25	S 27
S 28	6 52 39	13°37'03	5♊ 3	8°10	22°54	7°33	7°42	15°20	7° 0	29°13	9° 7	8°41	7°19	3° 3	27°21	S 28
M29	6 56 36	14°38'10	17°20	6°58	24° 9	8°10	7°55	15°25	7° 1	29°11	9° 9	8°34	7°16	3°10	27°17	M29
T 30	7 0 33	15°39'17	29°52	5°53	25°24	8°46	8° 7	15°30	7° 2	29° 9	9°11	8°26	7°12	3°17	27°13	T 30
W31	7 4 29	16♑40'23	12♋40	4♑55	26♐39	9♏22	8♐19	15♓35	7♈ 3	29♋ 8	9♐13	8♉15	7♉ 9	3♉23	27♋ 8	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s48	24n21	2n29	25s41	2s12	16s11	1n27	7s 8	1n12	20s 1	0n38	8s29	2s14	2n 7	0s41	20n 6	0s10	12s45	9n 7	15n 0	14n28	10n49	13n24	7s12
T 2	22 55	26 39	3 24	25 36	2 10	16 33	1 25	7 22	1 12	20 3	0 38	8 28	2 14	2 7	0 41	20 6	0 10	12 45	9 7	14 58	14 27	10 52	13 24	7 13
W 3	23 0	27 39	4 10	25 29	2 6	16 54	1 24	7 36	1 12	20 6	0 38	8 27	2 14	2 6	0 41	20 7	0 10	12 45	9 7	14 56	14 26	10 55	13 24	7 13
T 4	23 5	27 13	4 44	25 20	2 2	17 15	1 22	7 50	1 12	20 9	0 38	8 26	2 13	2 6	0 41	20 7	0 10	12 46	9 7	14 54	14 25	10 58	13 24	7 14
F 5	23 10	25 19	5 4	25 10	1 57	17 36	1 20	8 3	1 12	20 11	0 38	8 25	2 13	2 6	0 41	20 7	0 10	12 46	9 7	14 52	14 24	11 1	13 24	7 14
S 6	23 15	22 3	5 9	24 58	1 51	17 56	1 18	8 17	1 12	20 14	0 38	8 23	2 13	2 6	0 41	20 7	0 10	12 46	9 7	14 50	14 23	11 4	13 24	7 15
S 7	23 18	17 36	4 58	24 45	1 45	18 15	1 16	8 31	1 11	20 17	0 38	8 22	2 13	2 6	0 41	20 8	0 10	12 47	9 7	14 48	14 22	11 8	13 24	7 15
M 8	23 22	12 13	4 29	24 31	1 37	18 34	1 14	8 45	1 11	20 19	0 38	8 21	2 13	2 6	0 41	20 8	0 10	12 47	9 7	14 47	14 21	11 11	13 24	7 16
T 9	23 25	6 9	3 45	24 16	1 28	18 53	1 12	8 58	1 11	20 22	0 38	8 19	2 12	2 6	0 41	20 8	0 10	12 48	9 7	14 47	14 20	11 14	13 25	7 16
W10	23 27	0s20	2 47	24 0	1 19	19 11	1 9	9 12	1 11	20 24	0 37	8 18	2 12	2 6	0 41	20 9	0 10	12 48	9 7	14 47	14 19	11 17	13 25	7 17
T 11	23 29	6 53	1 37	23 42	1 8	19 28	1 7	9 25	1 11	20 27	0 37	8 17	2 12	2 6	0 41	20 9	0 10	12 48	9 7	14 47	14 18	11 20	13 25	7 17
F 12	23 31	13 12	0 21	23 25	0 55	19 45	1 5	9 39	1 10	20 29	0 37	8 15	2 12	2 6	0 41	20 9	0 10	12 49	9 7	14 48	14 17	11 23	13 25	7 18
S 13	23 32	18 51	0s57	23 6	0 42	20 2	1 3	9 52	1 10	20 32	0 37	8 14	2 12	2 7	0 41	20 9	0 10	12 49	9 7	14 47	14 16	11 26	13 25	7 18
S 14	23 32	23 23	2 12	22 48	0 28	20 18	1 1	10 5	1 10	20 34	0 37	8 12	2 12	2 7	0 41	20 10	0 10	12 49	9 7	14 47	14 15	11 30	13 26	7 18
M15	23 32	26 25	3 18	22 30	0 12	20 33	0 58	10 18	1 10	20 36	0 37	8 11	2 11	2 7	0 41	20 10	0 10	12 49	9 7	14 45	14 14	11 33	13 26	7 19
T 16	23 32	27 38	4 10	22 11	0n 5	20 48	0 56	10 32	1 9	20 39	0 37	8 9	2 11	2 7	0 41	20 10	0 10	12 50	9 7	14 43	14 13	11 36	13 26	7 19
W17	23 31	27 0	4 46	21 54	0 22	21 2	0 53	10 45	1 9	20 41	0 37	8 7	2 11	2 7	0 41	20 11	0 10	12 50	9 7	14 40	14 12	11 39	13 27	7 20
T 18	23 30	24 41	5 4	21 37	0 41	21 15	0 51	10 58	1 9	20 43	0 37	8 6	2 11	2 7	0 40	20 11	0 10	12 50	9 7	14 37	14 11	11 42	13 27	7 20
F 19	23 28	21 4	5 4	21 21	1 0	21 28	0 49	11 10	1 9	20 46	0 37	8 4	2 11	2 8	0 40	20 11	0 10	12 51	9 7	14 34	14 10	11 45	13 27	7 20
S 20	23 25	16 30	4 48	21 6	1 19	21 40	0 46	11 23	1 8	20 48	0 37	8 2	2 10	2 8	0 40	20 12	0 10	12 51	9 7	14 31	14 9	11 48	13 28	7 21
S 21	23 23	11 21	4 19	20 52	1 39	21 52	0 44	11 36	1 8	20 50	0 37	8 0	2 10	2 8	0 40	20 12	0 10	12 51	9 7	14 30	14 8	11 51	13 28	7 21
M22	23 19	5 53	3 38	20 40	1 57	22 3	0 41	11 49	1 8	20 52	0 37	7 59	2 10	2 8	0 40	20 12	0 10	12 51	9 7	14 29	14 7	11 55	13 29	7 21
T 23	23 16	0 19	2 48	20 30	2 15	22 13	0 39	12 1	1 8	20 54	0 37	7 57	2 10	2 9	0 40	20 13	0 10	12 52	9 8	14 28	14 6	11 58	13 29	7 22
W24	23 12	5n12	1 51	20 21	2 32	22 23	0 36	12 14	1 7	20 56	0 37	7 55	2 10	2 9	0 40	20 13	0 10	12 52	9 8	14 28	14 5	12 1	13 30	7 22
T 25	23 7	10 30	0 50	20 13	2 47	22 32	0 34	12 26	1 7	20 59	0 37	7 53	2 10	2 9	0 40	20 13	0 10	12 52	9 8	14 28	14 4	12 4	13 30	7 22
F 26	23 2	15 25	0n13	20 7	3 0	22 40	0 31	12 38	1 7	21 1	0 37	7 51	2 9	2 10	0 40	20 14	0 10	12 52	9 8	14 29	14 3	12 7	13 31	7 22
S 27	22 56	19 49	1 15	20 3	3 10	22 48	0 28	12 51	1 7	21 3	0 37	7 49	2 9	2 10	0 40	20 14	0 10	12 53	9 8	14 28	14 2	12 10	13 31	7 23
S 28	22 50	23 27	2 15	20 0	3 18	22 55	0 26	13 3	1 6	21 5	0 37	7 47	2 9	2 11	0 40	20 14	0 10	12 53	9 8	14 27	14 1	12 13	13 32	7 23
M29	22 44	26 5	3 10	19 58	3 23	23 1	0 23	13 15	1 6	21 7	0 37	7 45	2 9	2 11	0 40	20 15	0 10	12 53	9 8	14 25	13 59	12 16	13 32	7 23
T 30	22 37	27 29	3 57	19 58	3 26	23 7	0 21	13 27	1 6	21 9	0 37	7 43	2 9	2 11	0 40	20 15	0 10	12 53	9 8	14 22	13 58	12 19	13 33	7 23
W31	22s30	27n27	4n33	20s 0	3n27	23s12	0n18	13s39	1n 5	21s11	0n37	7s41	2s 9	2n12	0s40	20n15	0s10	12s53	9n 8	14n19	13n57	12n23	13n34	7s23

Julian Day Number = 2181241.5, Delta T = 11m29s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'10, Lahiri = 13°32'10 Julian Calendar 1 Dec. 1259 == Greg. Calendar 8 Dec. 1259

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ASTRODIENST EPHEMERIS for the year 1260
geocentric

JANUARY 1260 JC — 00:00 UT

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

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s22	25n54	4n55	20s 3	3n25	23s16	0n15	13s50	1n 5	21s13	0n37	7s39	2s 9	2n12	0s40	20n16	0s10	12s54	9n 8	14n15	13n56	12n26	13n34	7s24
F 2	22 13	22 54	5 2	20 8	3 22	23 19	0 13	14 2	1 5	21 14	0 37	7 37	2 8	2 13	0 40	20 16	0 10	12 54	9 8	14 11	13 55	12 29	13 35	7 24
S 3	22 5	18 37	4 52	20 13	3 17	23 22	0 10	14 14	1 4	21 16	0 37	7 34	2 8	2 14	0 40	20 16	0 10	12 54	9 8	14 7	13 54	12 32	13 36	7 24
S 4	21 56	13 20	4 25	20 20	3 11	23 24	0 8	14 25	1 4	21 18	0 37	7 32	2 8	2 14	0 40	20 17	0 10	12 54	9 8	14 4	13 53	12 35	13 36	7 24
M 5	21 46	7 20	3 42	20 28	3 3	23 25	0 5	14 36	1 3	21 20	0 37	7 30	2 8	2 15	0 40	20 17	0 10	12 54	9 9	14 2	13 52	12 38	13 37	7 24
T 6	21 36	0 56	2 46	20 36	2 55	23 26	0 2	14 48	1 3	21 22	0 37	7 28	2 8	2 15	0 40	20 17	0 10	12 54	9 9	14 1	13 51	12 41	13 38	7 24
W 7	21 26	5s34	1 40	20 45	2 46	23 26	0s 0	14 59	1 3	21 23	0 37	7 26	2 8	2 16	0 40	20 18	0 10	12 55	9 9	14 0	13 50	12 44	13 39	7 24
T 8	21 15	11 50	0 27	20 54	2 37	23 25	0 3	15 10	1 2	21 25	0 37	7 23	2 8	2 16	0 40	20 18	0 10	12 55	9 9	14 0	13 49	12 47	13 39	7 24
F 9	21 4	17 31	0s47	21 4	2 27	23 23	0 5	15 21	1 2	21 27	0 37	7 21	2 7	2 17	0 40	20 19	0 10	12 55	9 9	14 0	13 48	12 50	13 40	7 24
S 10	20 52	22 15	1 59	21 13	2 17	23 21	0 8	15 32	1 2	21 28	0 37	7 19	2 7	2 18	0 40	20 19	0 10	12 55	9 9	14 0	13 47	12 53	13 41	7 24
S 11	20 40	25 41	3 3	21 23	2 6	23 18	0 10	15 43	1 1	21 30	0 37	7 16	2 7	2 18	0 40	20 19	0 10	12 55	9 9	13 58	13 46	12 57	13 42	7 24
M12	20 28	27 28	3 56	21 32	1 56	23 14	0 13	15 53	1 1	21 32	0 37	7 14	2 7	2 19	0 40	20 20	0 10	12 55	9 9	13 56	13 45	13 0	13 43	7 24
T 13	20 15	27 28	4 34	21 41	1 45	23 10	0 15	16 4	1 0	21 33	0 37	7 11	2 7	2 20	0 39	20 20	0 10	12 55	9 10	13 53	13 44	13 3	13 43	7 24
W14	20 2	25 45	4 56	21 50	1 34	23 4	0 18	16 14	1 0	21 35	0 37	7 9	2 7	2 21	0 39	20 20	0 10	12 55	9 10	13 49	13 43	13 6	13 44	7 24
T 15	19 49	22 34	4 59	21 58	1 24	22 59	0 20	16 24	0 59	21 36	0 37	7 7	2 7	2 21	0 39	20 21	0 10	12 55	9 10	13 44	13 42	13 9	13 45	7 24
F 16	19 35	18 16	4 47	22 6	1 13	22 52	0 23	16 35	0 59	21 38	0 37	7 4	2 7	2 22	0 39	20 21	0 10	12 55	9 10	13 40	13 41	13 12	13 46	7 24
S 17	19 21	13 13	4 20	22 13	1 3	22 45	0 25	16 45	0 58	21 39	0 36	7 2	2 6	2 23	0 39	20 21	0 10	12 56	9 10	13 36	13 40	13 15	13 47	7 24
S 18	19 6	7 44	3 40	22 19	0 53	22 37	0 27	16 55	0 58	21 41	0 36	6 59	2 6	2 24	0 39	20 22	0 10	12 56	9 10	13 33	13 39	13 18	13 48	7 24
M19	18 51	2 5	2 51	22 24	0 43	22 28	0 30	17 5	0 57	21 42	0 36	6 56	2 6	2 24	0 39	20 22	0 10	12 56	9 10	13 31	13 37	13 21	13 49	7 24
T 20	18 36	3n33	1 55	22 29	0 33	22 19	0 32	17 14	0 57	21 44	0 36	6 54	2 6	2 25	0 39	20 23	0 10	12 56	9 11	13 30	13 36	13 24	13 50	7 24
W21	18 20	8 58	0 55	22 32	0 23	22 9	0 34	17 24	0 56	21 45	0 36	6 51	2 6	2 26	0 39	20 23	0 10	12 56	9 11	13 29	13 35	13 27	13 51	7 23
T 22	18 4	14 3	0n 7	22 35	0 14	21 58	0 37	17 34	0 56	21 46	0 36	6 49	2 6	2 27	0 39	20 23	0 10	12 56	9 11	13 29	13 34	13 30	13 52	7 23
F 23	17 48	18 37	1 9	22 36	0 5	21 47	0 39	17 43	0 55	21 48	0 36	6 46	2 6	2 28	0 39	20 24	0 10	12 56	9 11	13 29	13 33	13 33	13 52	7 23
S 24	17 32	22 30	2 9	22 37	0s 4	21 35	0 41	17 52	0 55	21 49	0 36	6 43	2 6	2 29	0 39	20 24	0 10	12 56	9 11	13 29	13 32	13 36	13 53	7 23
S 25	17 15	25 28	3 3	22 36	0 13	21 22	0 43	18 2	0 54	21 50	0 36	6 41	2 6	2 30	0 39	20 24	0 10	12 56	9 11	13 28	13 31	13 39	13 54	7 23
M26	16 58	27 17	3 50	22 34	0 21	21 9	0 45	18 11	0 54	21 51	0 36	6 38	2 6	2 31	0 39	20 25	0 9	12 56	9 12	13 26	13 30	13 42	13 55	7 22
T 27	16 40	27 45	4 27	22 31	0 30	20 55	0 47	18 20	0 53	21 53	0 36	6 35	2 6	2 32	0 39	20 25	0 9	12 56	9 12	13 23	13 29	13 45	13 56	7 22
W28	16 23	26 42	4 52	22 27	0 37	20 40	0 49	18 28	0 52	21 54	0 36	6 33	2 5	2 33	0 39	20 25	0 9	12 56	9 12	13 19	13 28	13 48	13 57	7 22
T 29	16 5	24 7	5 1	22 22	0 45	20 25	0 51	18 37	0 52	21 55	0 36	6 30	2 5	2 34	0 39	20 26	0 9	12 56	9 12	13 15	13 27	13 51	13 58	7 22
F 30	15 46	20 8	4 53	22 15	0 52	20 9	0 53	18 46	0 51	21 56	0 36	6 27	2 5	2 35	0 39	20 26	0 9	12 56	9 12	13 11	13 26	13 54	13 59	7 21
S 31	15s28	14n58	4n28	22s 7	0s59	19s53	0s55	18s54	0n51	21s57	0n36	6s24	2s 5	2n36	0s39	20n26	0s 9	12s56	9n13	13n 7	13n25	13n58	14n 0	7s21

Julian Day Number = 2181272.5, Delta T = 11m29s
Ecliptic obliquity = 23°32'14, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'14, Lahiri = 13°32'15 Julian Calendar 1 Jan. 1260 == Greg. Calendar 8 Jan. 1260

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ASTRODIENST EPHEMERIS for the year 1260
geocentric

FEBRUARY 1260 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 10 39	19♒ 7'29	16♍ 8	26♋50	6♒40	28♏16	14♐ 0	18♓49	8♈ 3	28°R15	10♐ 2	4°R28	5♉28	6♉56	24°R49	S 1
M 2	9 14 35	20° 7'56	0♎24	28°15	7°55	28°50	14° 9	18°56	8° 5	28♋13	10° 4	4♉21	5°24	7° 3	24♋45	M 2
T 3	9 18 32	21° 8'22	14°41	29°41	9°10	29°25	14°17	19° 2	8° 8	28°12	10° 5	4°17	5°21	7° 9	24°42	T 3
W 4	9 22 29	22° 8'47	28°56	1♒ 9	10°25	29°59	14°26	19° 9	8°10	28°10	10° 6	4°D16	5°18	7°16	24°38	W 4
T 5	9 26 25	23° 9'10	13♏ 6	2°37	11°40	0♐33	14°35	19°16	8°13	28° 9	10° 7	4°16	5°15	7°22	24°34	T 5
F 6	9 30 22	24° 9'32	27°11	4° 7	12°54	1° 7	14°43	19°23	8°16	28° 7	10° 8	4°R16	5°12	7°29	24°30	F 6
S 7	9 34 18	25° 9'53	11♐ 9	5°37	14° 9	1°41	14°52	19°31	8°18	28° 6	10° 9	4°15	5° 9	7°36	24°27	S 7
S 8	9 38 15	26°10'12	25° 1	7° 9	15°24	2°15	15° 0	19°38	8°21	28° 4	10° 9	4°12	5° 5	7°42	24°23	S 8
M 9	9 42 11	27°10'30	8♋45	8°42	16°39	2°49	15° 8	19°45	8°24	28° 3	10°10	4° 6	5° 2	7°49	24°20	M 9
T 10	9 46 8	28°10'46	22°20	10°16	17°54	3°23	15°16	19°52	8°27	28° 1	10°11	3°57	4°59	7°56	24°17	T 10
W11	9 50 4	29°11'00	5♒44	11°51	19° 9	3°57	15°24	19°59	8°29	28° 0	10°12	3°47	4°56	8° 2	24°13	W11
T 12	9 54 1	0♓11'13	18°56	13°26	20°24	4°31	15°32	20° 6	8°32	27°59	10°13	3°35	4°53	8° 9	24°10	T 12
F 13	9 57 58	1°11'24	1♓54	15° 3	21°39	5° 4	15°39	20°14	8°35	27°57	10°13	3°24	4°49	8°16	24° 7	F 13
S 14	10 1 54	2°11'33	14°36	16°41	22°54	5°38	15°47	20°21	8°38	27°56	10°14	3°14	4°46	8°22	24° 4	S 14
S 15	10 5 51	3°11'40	27° 3	18°20	24° 8	6°11	15°54	20°28	8°41	27°54	10°15	3° 6	4°43	8°29	24° 1	S 15
M16	10 9 47	4°11'45	9♈16	20° 0	25°23	6°44	16° 1	20°36	8°44	27°53	10°15	3° 0	4°40	8°36	23°58	M16
T 17	10 13 44	5°11'48	21°17	21°42	26°38	7°17	16° 8	20°43	8°47	27°52	10°16	2°57	4°37	8°42	23°55	T 17
W18	10 17 40	6°11'48	3♉ 9	23°24	27°53	7°50	16°15	20°50	8°50	27°51	10°17	2°D57	4°34	8°49	23°52	W18
T 19	10 21 37	7°11'47	14°57	25° 7	29° 8	8°23	16°21	20°58	8°53	27°49	10°17	2°57	4°30	8°56	23°49	T 19
F 20	10 25 33	8°11'43	26°45	26°52	0♓22	8°56	16°28	21° 5	8°56	27°48	10°18	2°58	4°27	9° 2	23°47	F 20
S 21	10 29 30	9°11'38	8♊38	28°38	1°37	9°29	16°34	21°12	8°59	27°47	10°18	2°R59	4°24	9° 9	23°44	S 21
S 22	10 33 27	10°11'30	20°43	0♓24	2°52	10° 1	16°41	21°20	9° 2	27°46	10°19	2°58	4°21	9°15	23°42	S 22
M23	10 37 23	11°11'19	3♋ 3	2°12	4° 7	10°34	16°47	21°27	9° 5	27°45	10°19	2°55	4°18	9°22	23°40	M23
T 24	10 41 20	12°11'07	15°45	4° 2	5°21	11° 6	16°53	21°35	9° 8	27°44	10°19	2°51	4°14	9°29	23°37	T 24
W25	10 45 16	13°10'52	28°50	5°52	6°36	11°39	16°58	21°42	9°12	27°42	10°20	2°44	4°11	9°35	23°35	W25
T 26	10 49 13	14°10'35	12♌20	7°43	7°51	12°11	17° 4	21°50	9°15	27°41	10°20	2°37	4° 8	9°42	23°33	T 26
F 27	10 53 9	15°10'16	26°15	9°36	9° 5	12°43	17°10	21°57	9°18	27°40	10°20	2°29	4° 5	9°49	23°31	F 27
S 28	10 57 6	16° 9'55	10♍32	11°30	10°20	13°15	17°15	22° 5	9°21	27°39	10°20	2°21	4° 2	9°55	23°29	S 28
S 29	11 1 2	17♓ 9'31	25♍ 4	13♓25	11♓35	13♐46	17♐20	22♓12	9♈24	27♋38	10♐21	2♉15	3♉59	10♉ 2	23♋27	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 9	8n57	3n46	21s58	1s 6	19s36	0s57	19s 3	0n50	21s58	0n36	6s22	2s 5	2n37	0s39	20n27	0s 9	12s56	9n13	13n 4	13n24	14n 1	14n 1	7s21
M 2	14 50	2 26	2 49	21 47	1 13	19 18	0 59	19 11	0 49	21 59	0 36	6 19	2 5	2 38	0 39	20 27	0 9	12 56	9 13	13 1	13 23	14 4	14 2	7 20
T 3	14 31	4s15	1 42	21 35	1 19	19 0	1 0	19 19	0 49	22 0	0 36	6 16	2 5	2 39	0 39	20 27	0 9	12 56	9 13	13 0	13 22	14 7	14 3	7 20
W 4	14 11	10 42	0 28	21 22	1 25	18 42	1 2	19 27	0 48	22 1	0 36	6 13	2 5	2 40	0 39	20 28	0 9	12 56	9 13	13 0	13 21	14 10	14 4	7 20
T 5	13 51	16 35	0s47	21 7	1 30	18 23	1 4	19 35	0 47	22 2	0 36	6 11	2 5	2 41	0 39	20 28	0 9	12 56	9 14	13 0	13 19	14 13	14 5	7 19
F 6	13 31	21 32	1 59	20 51	1 35	18 3	1 5	19 43	0 47	22 3	0 36	6 8	2 5	2 42	0 39	20 28	0 9	12 56	9 14	13 0	13 18	14 16	14 6	7 19
S 7	13 11	25 13	3 3	20 34	1 40	17 43	1 7	19 50	0 46	22 4	0 36	6 5	2 5	2 43	0 39	20 29	0 9	12 55	9 14	12 59	13 17	14 19	14 7	7 19
S 8	12 51	27 22	3 55	20 15	1 45	17 22	1 8	19 58	0 45	22 5	0 36	6 2	2 5	2 44	0 39	20 29	0 9	12 55	9 14	12 58	13 16	14 22	14 8	7 18
M 9	12 30	27 48	4 34	19 55	1 49	17 1	1 10	20 5	0 44	22 6	0 36	5 59	2 5	2 45	0 39	20 29	0 9	12 55	9 14	12 56	13 15	14 25	14 9	7 18
T 10	12 9	26 33	4 57	19 33	1 53	16 39	1 11	20 12	0 44	22 7	0 36	5 56	2 5	2 46	0 39	20 29	0 9	12 55	9 15	12 53	13 14	14 28	14 10	7 17
W11	11 48	23 48	5 3	19 10	1 56	16 17	1 12	20 19	0 43	22 8	0 36	5 53	2 5	2 47	0 39	20 30	0 9	12 55	9 15	12 50	13 13	14 31	14 11	7 17
T 12	11 27	19 50	4 52	18 45	1 59	15 55	1 14	20 26	0 42	22 9	0 36	5 51	2 5	2 49	0 39	20 30	0 9	12 55	9 15	12 46	13 12	14 34	14 12	7 16
F 13	11 6	14 59	4 27	18 20	2 2	15 32	1 15	20 33	0 41	22 9	0 36	5 48	2 5	2 50	0 39	20 30	0 9	12 55	9 15	12 42	13 11	14 37	14 13	7 16
S 14	10 44	9 36	3 48	17 52	2 4	15 8	1 16	20 40	0 40	22 10	0 36	5 45	2 5	2 51	0 39	20 31	0 9	12 55	9 15	12 38	13 10	14 40	14 14	7 15
S 15	10 23	3 55	3 0	17 23	2 6	14 44	1 17	20 47	0 40	22 11	0 36	5 42	2 4	2 52	0 39	20 31	0 9	12 55	9 16	12 36	13 9	14 43	14 15	7 15
M16	10 1	1n48	2 3	16 53	2 7	14 20	1 18	20 53	0 39	22 12	0 36	5 39	2 4	2 53	0 38	20 31	0 9	12 55	9 16	12 34	13 8	14 46	14 16	7 14
T 17	9 39	7 22	1 2	16 22	2 9	13 56	1 19	21 0	0 38	22 12	0 36	5 36	2 4	2 54	0 38	20 31	0 9	12 54	9 16	12 33	13 7	14 49	14 17	7 14
W18	9 17	12 38	0n 1	15 48	2 9	13 31	1 20	21 6	0 37	22 13	0 37	5 33	2 4	2 56	0 38	20 32	0 9	12 54	9 16	12 33	13 6	14 52	14 18	7 13
T 19	8 54	17 24	1 4	15 14	2 9	13 5	1 21	21 12	0 36	22 14	0 37	5 30	2 4	2 57	0 38	20 32	0 9	12 54	9 16	12 33	13 5	14 54	14 19	7 13
F 20	8 32	21 31	2 4	14 38	2 9	12 39	1 22	21 18	0 35	22 14	0 37	5 27	2 4	2 58	0 38	20 32	0 9	12 54	9 17	12 33	13 3	14 57	14 20	7 12
S 21	8 9	24 48	3 0	14 0	2 9	12 13	1 22	21 24	0 34	22 15	0 37	5 24	2 4	2 59	0 38	20 32	0 9	12 54	9 17	12 33	13 2	15 0	14 21	7 12
S 22	7 47	27 0	3 48	13 22	2 7	11 47	1 23	21 30	0 33	22 16	0 37	5 21	2 4	3 1	0 38	20 33	0 9	12 54	9 17	12 33	13 1	15 3	14 22	7 11
M23	7 24	27 57	4 27	12 41	2 6	11 20	1 24	21 36	0 32	22 16	0 37	5 18	2 4	3 2	0 38	20 33	0 9	12 54	9 17	12 32	13 0	15 6	14 23	7 11
T 24	7 1	27 28	4 54	11 59	2 4	10 53	1 24	21 41	0 31	22 17	0 37	5 15	2 4	3 3	0 38	20 33	0 9	12 53	9 17	12 31	12 59	15 9	14 24	7 10
W25	6 38	25 29	5 7	11 16	2 1	10 26	1 25	21 47	0 30	22 17	0 37	5 12	2 4	3 4	0 38	20 33	0 9	12 53	9 18	12 28	12 58	15 12	14 25	7 10
T 26	6 15	22 1	5 3	10 32	1 58	9 59	1 25	21 52	0 29	22 18	0 37	5 9	2 4	3 6	0 38	20 34	0 9	12 53	9 18	12 26	12 57	15 15	14 26	7 9
F 27	5 52	17 14	4 42	9 46	1 54	9 31	1 25	21 57	0 28	22 18	0 37	5 6	2 4	3 7	0 38	20 34	0 9	12 53	9 18	12 23	12 56	15 18	14 27	7 8
S 28	5 29	11 23	4 3	8 59	1 50	9 3	1 26	22 2	0 27	22 19	0 37	5 3	2 4	3 8	0 38	20 34	0 9	12 53	9 18	12 20	12 55	15 21	14 27	7 8
S 29	5s 6	4n49	3n 7	8s10	1s45	8s34	1s26	22s 7	0n26	22s19	0n37	5s 0	2s 4	3n 9	0s38	20n34	0s 9	12s52	9n19	12n18	12n54	15n24	14n28	7s 7

Julian Day Number = 2181303.5, Delta T = 11m29s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'18, Lahiri = 13°32'19 Julian Calendar 1 Feb. 1260 == Greg. Calendar 8 Feb. 1260

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ASTRODIENST EPHEMERIS for the year 1260
geocentric

MARCH 1260 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 4 59	18♓ 9'06	9♎46	15♓21	12♓49	14♐18	17♐25	22♓20	9♈28	27°R37	10♐21	2°R11	3♉55	10♉ 9	23°R26	M 1
T 2	11 8 56	19° 8'38	24°29	17°18	14° 4	14°50	17°30	22°27	9°31	27♋36	10°21	2♉ 9	3°52	10°15	23♋24	T 2
W 3	11 12 52	20° 8'09	9♏ 8	19°17	15°18	15°21	17°34	22°35	9°34	27°36	10°21	2°D 9	3°49	10°22	23°23	W 3
T 4	11 16 49	21° 7'38	23°37	21°16	16°33	15°52	17°39	22°42	9°37	27°35	10°21	2°10	3°46	10°29	23°21	T 4
F 5	11 20 45	22° 7'05	7♐54	23°16	17°48	16°23	17°43	22°50	9°41	27°34	10°21	2°11	3°43	10°35	23°20	F 5
S 6	11 24 42	23° 6'30	21°55	25°17	19° 2	16°54	17°47	22°57	9°44	27°33	10°R21	2°R12	3°40	10°42	23°19	S 6
S 7	11 28 38	24° 5'54	5♑41	27°19	20°17	17°25	17°51	23° 5	9°47	27°32	10°21	2°11	3°36	10°48	23°18	S 7
M 8	11 32 35	25° 5'16	19°12	29°21	21°31	17°56	17°55	23°12	9°51	27°31	10°21	2° 9	3°33	10°55	23°17	M 8
T 9	11 36 31	26° 4'36	2♒28	1♈23	22°46	18°26	17°59	23°20	9°54	27°31	10°21	2° 5	3°30	11° 2	23°16	T 9
W10	11 40 28	27° 3'54	15°31	3°26	24° 0	18°57	18° 2	23°28	9°57	27°30	10°21	2° 0	3°27	11° 8	23°15	W10
T 11	11 44 25	28° 3'11	28°20	5°28	25°15	19°27	18° 5	23°35	10° 1	27°29	10°21	1°54	3°24	11°15	23°14	T 11
F 12	11 48 21	29° 2'25	10♓56	7°30	26°29	19°57	18° 9	23°43	10° 4	27°29	10°20	1°48	3°20	11°22	23°13	F 12
S 13	11 52 18	0♈ 1'37	23°21	9°31	27°44	20°26	18°11	23°50	10° 8	27°28	10°20	1°43	3°17	11°28	23°13	S 13
S 14	11 56 14	1° 0'47	5♈34	11°31	28°58	20°56	18°14	23°58	10°11	27°28	10°20	1°39	3°14	11°35	23°13	S 14
M15	12 0 11	1°59'55	17°37	13°30	0♈13	21°25	18°17	24° 5	10°14	27°27	10°20	1°37	3°11	11°42	23°12	M15
T 16	12 4 7	2°59'01	29°32	15°27	1°27	21°55	18°19	24°13	10°18	27°26	10°19	1°D36	3° 8	11°48	23°12	T 16
W17	12 8 4	3°58'05	11♉21	17°21	2°41	22°24	18°21	24°20	10°21	27°26	10°19	1°36	3° 5	11°55	23°D12	W17
T 18	12 12 0	4°57'07	23° 8	19°13	3°56	22°53	18°23	24°28	10°25	27°26	10°19	1°37	3° 1	12° 2	23°12	T 18
F 19	12 15 57	5°56'06	4♊56	21° 2	5°10	23°21	18°25	24°35	10°28	27°25	10°18	1°39	2°58	12° 8	23°12	F 19
S 20	12 19 53	6°55'03	16°50	22°48	6°25	23°50	18°27	24°42	10°32	27°25	10°18	1°41	2°55	12°15	23°12	S 20
S 21	12 23 50	7°53'58	28°54	24°30	7°39	24°18	18°28	24°50	10°35	27°24	10°17	1°42	2°52	12°22	23°13	S 21
M22	12 27 47	8°52'51	11♋12	26° 8	8°53	24°46	18°29	24°57	10°38	27°24	10°17	1°R42	2°49	12°28	23°13	M22
T 23	12 31 43	9°51'41	23°51	27°42	10° 8	25°13	18°30	25° 5	10°42	27°24	10°16	1°42	2°46	12°35	23°13	T 23
W24	12 35 40	10°50'29	6♌52	29°12	11°22	25°41	18°31	25°12	10°45	27°24	10°16	1°40	2°42	12°41	23°14	W24
T 25	12 39 36	11°49'14	20°20	0♉37	12°36	26° 8	18°32	25°19	10°49	27°23	10°15	1°38	2°39	12°48	23°15	T 25
F 26	12 43 33	12°47'58	4♍15	1°56	13°50	26°35	18°33	25°27	10°52	27°23	10°14	1°35	2°36	12°55	23°16	F 26
S 27	12 47 29	13°46'39	18°36	3°11	15° 5	27° 2	18°33	25°34	10°56	27°23	10°14	1°33	2°33	13° 1	23°17	S 27
S 28	12 51 26	14°45'17	3♎19	4°20	16°19	27°29	18°R33	25°41	10°59	27°23	10°13	1°31	2°30	13° 8	23°18	S 28
M29	12 55 22	15°43'54	18°16	5°24	17°33	27°55	18°33	25°48	11° 2	27°23	10°12	1°30	2°26	13°15	23°19	M29
T 30	12 59 19	16°42'29	3♏20	6°22	18°47	28°21	18°33	25°56	11° 6	27°23	10°11	1°D29	2°23	13°21	23°20	T 30
W31	13 3 16	17♈41'02	18♏21	7♉15	20♈ 1	28♐47	18♐32	26♓ 3	11♈ 9	27°D23	10♐11	1♉30	2♉20	13♉28	23♋21	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4s42	2s 4	1n58	7s20	1s40	8s 6	1s26	22s12	0n25	22s20	0n37	4s57	2s 4	3n11	0s38	20n35	0s 9	12s52	9n19	12n17	12n53	15n27	14n29	7s 7
T 2	4 19	8 53	0 41	6 29	1 34	7 37	1 26	22 17	0 24	22 20	0 37	4 55	2 4	3 12	0 38	20 35	0 9	12 52	9 19	12 16	12 52	15 30	14 30	7 6
W 3	3 55	15 12	0s38	5 37	1 28	7 8	1 26	22 21	0 22	22 21	0 37	4 52	2 4	3 13	0 38	20 35	0 9	12 52	9 19	12 16	12 51	15 33	14 31	7 5
T 4	3 32	20 36	1 54	4 43	1 21	6 39	1 26	22 26	0 21	22 21	0 37	4 49	2 4	3 15	0 38	20 35	0 9	12 52	9 19	12 17	12 49	15 36	14 32	7 5
F 5	3 8	24 42	3 2	3 49	1 14	6 10	1 26	22 30	0 20	22 22	0 37	4 46	2 4	3 16	0 38	20 35	0 9	12 52	9 20	12 17	12 48	15 39	14 33	7 4
S 6	2 45	27 15	3 58	2 53	1 6	5 40	1 26	22 35	0 19	22 22	0 37	4 43	2 4	3 17	0 38	20 35	0 9	12 51	9 20	12 17	12 47	15 42	14 33	7 3
S 7	2 21	28 3	4 39	1 57	0 57	5 11	1 26	22 39	0 18	22 22	0 37	4 40	2 5	3 19	0 38	20 36	0 9	12 51	9 20	12 17	12 46	15 45	14 34	7 3
M 8	1 58	27 9	5 3	1 0	0 48	4 41	1 25	22 43	0 16	22 23	0 37	4 37	2 5	3 20	0 38	20 36	0 9	12 51	9 20	12 16	12 45	15 47	14 35	7 2
T 9	1 34	24 44	5 11	0 2	0 39	4 11	1 25	22 47	0 15	22 23	0 37	4 34	2 5	3 21	0 38	20 36	0 9	12 51	9 20	12 15	12 44	15 50	14 36	7 1
W10	1 10	21 4	5 3	0n56	0 29	3 41	1 25	22 51	0 14	22 23	0 37	4 31	2 5	3 23	0 38	20 36	0 9	12 50	9 21	12 13	12 43	15 53	14 37	7 1
T 11	0 47	16 27	4 39	1 54	0 19	3 11	1 24	22 55	0 12	22 24	0 37	4 28	2 5	3 24	0 38	20 36	0 9	12 50	9 21	12 11	12 42	15 56	14 38	7 0
F 12	0 23	11 13	4 2	2 52	0 8	2 41	1 23	22 58	0 11	22 24	0 37	4 25	2 5	3 25	0 38	20 36	0 9	12 50	9 21	12 9	12 41	15 59	14 38	6 59
S 13	0n 1	5 37	3 14	3 50	0n 3	2 10	1 23	23 2	0 9	22 24	0 37	4 22	2 5	3 27	0 38	20 37	0 9	12 50	9 21	12 7	12 40	16 2	14 39	6 59
S 14	0 24	0n 7	2 18	4 48	0 15	1 40	1 22	23 6	0 8	22 24	0 37	4 19	2 5	3 28	0 38	20 37	0 9	12 50	9 21	12 6	12 39	16 5	14 40	6 58
M15	0 48	5 46	1 16	5 45	0 26	1 10	1 21	23 9	0 7	22 25	0 37	4 16	2 5	3 29	0 38	20 37	0 9	12 49	9 22	12 5	12 37	16 8	14 41	6 57
T 16	1 11	11 11	0 11	6 41	0 38	0 39	1 21	23 12	0 5	22 25	0 37	4 13	2 5	3 31	0 38	20 37	0 9	12 49	9 22	12 5	12 36	16 11	14 41	6 57
W17	1 35	16 9	0n53	7 36	0 50	0 9	1 20	23 16	0 4	22 25	0 37	4 10	2 5	3 32	0 38	20 37	0 9	12 49	9 22	12 5	12 35	16 14	14 42	6 56
T 18	1 59	20 30	1 56	8 30	1 1	0n22	1 19	23 19	0 2	22 25	0 37	4 7	2 5	3 33	0 38	20 37	0 9	12 49	9 22	12 5	12 34	16 16	14 43	6 55
F 19	2 22	24 3	2 53	9 22	1 13	0 52	1 18	23 22	0 0	22 25	0 37	4 4	2 5	3 35	0 38	20 37	0 9	12 48	9 22	12 6	12 33	16 19	14 43	6 55
S 20	2 45	26 36	3 44	10 12	1 24	1 23	1 17	23 25	0s 1	22 25	0 37	4 2	2 5	3 36	0 38	20 37	0 9	12 48	9 23	12 6	12 32	16 22	14 44	6 54
S 21	3 9	27 57	4 25	11 1	1 35	1 53	1 16	23 28	0 3	22 25	0 37	3 59	2 5	3 37	0 38	20 37	0 9	12 48	9 23	12 7	12 31	16 25	14 45	6 53
M22	3 32	27 58	4 56	11 47	1 46	2 24	1 15	23 30	0 4	22 26	0 37	3 56	2 5	3 39	0 38	20 37	0 9	12 48	9 23	12 7	12 30	16 28	14 45	6 52
T 23	3 55	26 33	5 13	12 30	1 56	2 54	1 14	23 33	0 6	22 26	0 37	3 53	2 5	3 40	0 38	20 38	0 9	12 47	9 23	12 7	12 29	16 31	14 46	6 52
W24	4 18	23 42	5 14	13 12	2 6	3 24	1 12	23 36	0 8	22 26	0 37	3 50	2 5	3 42	0 38	20 38	0 9	12 47	9 23	12 6	12 28	16 34	14 46	6 51
T 25	4 42	19 29	4 59	13 50	2 15	3 55	1 11	23 39	0 10	22 26	0 37	3 47	2 6	3 43	0 38	20 38	0 9	12 47	9 24	12 5	12 27	16 37	14 47	6 50
F 26	5 5	14 7	4 26	14 26	2 23	4 25	1 10	23 41	0 11	22 26	0 37	3 44	2 6	3 44	0 38	20 38	0 9	12 47	9 24	12 4	12 25	16 39	14 48	6 50
S 27	5 27	7 50	3 35	14 59	2 31	4 55	1 8	23 44	0 13	22 26	0 37	3 41	2 6	3 46	0 38	20 38	0 9	12 46	9 24	12 4	12 24	16 42	14 48	6 49
S 28	5 50	0 58	2 30	15 29	2 38	5 25	1 7	23 46	0 15	22 26	0 37	3 39	2 6	3 47	0 38	20 38	0 9	12 46	9 24	12 3	12 23	16 45	14 49	6 48
M29	6 13	6s 4	1 13	15 57	2 44	5 55	1 5	23 48	0 17	22 26	0 37	3 36	2 6	3 48	0 38	20 38	0 9	12 46	9 24	12 2	12 22	16 48	14 49	6 47
T 30	6 36	12 50	0s10	16 21	2 49	6 24	1 4	23 51	0 19	22 26	0 37	3 33	2 6	3 50	0 38	20 38	0 9	12 45	9 24	12 2	12 21	16 51	14 50	6 47
W31	6n58	18s50	1s32	16n42	2n53	6n54	1s 2	23s53	0s21	22s26	0n37	3s30	2s 6	3n51	0s38	20n38	0s 9	12s45	9n25	12n 3	12n20	16n54	14n50	6s46

Julian Day Number = 2181332.5, Delta T = 11m28s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'22, Lahiri = 13°32'23 Julian Calendar 1 March 1260 == Greg. Calendar 8 March 1260

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ASTRODIENST EPHEMERIS for the year 1260
geocentric

APRIL 1260 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 7 12	18♈39'34	3♐13	8♉ 2	21♈15	29♐13	18°R32	26♓10	11♈13	27♋23	10°R10	1♉31	2♉17	13♉35	23♋23	T 1
F 2	13 11 9	19°38'03	17°48	8°43	22°30	29°38	18♐31	26°17	11°16	27°23	10♐ 9	1°32	2°14	13°41	23°24	F 2
S 3	13 15 5	20°36'31	2♑ 3	9°18	23°44	0♑ 3	18°30	26°24	11°20	27°23	10° 8	1°32	2°11	13°48	23°26	S 3
S 4	13 19 2	21°34'58	15°55	9°47	24°58	0°28	18°29	26°31	11°23	27°23	10° 7	1°R33	2° 7	13°55	23°28	S 4
M 5	13 22 58	22°33'23	29°25	10°11	26°12	0°52	18°27	26°38	11°26	27°23	10° 6	1°33	2° 4	14° 1	23°29	M 5
T 6	13 26 55	23°31'46	12♒34	10°28	27°26	1°16	18°26	26°46	11°30	27°23	10° 5	1°32	2° 1	14° 8	23°31	T 6
W 7	13 30 51	24°30'07	25°24	10°40	28°40	1°40	18°24	26°53	11°33	27°23	10° 4	1°32	1°58	14°15	23°33	W 7
T 8	13 34 48	25°28'27	7♓57	10°46	29°54	2° 3	18°22	26°59	11°36	27°24	10° 3	1°31	1°55	14°21	23°36	T 8
F 9	13 38 45	26°26'45	20°18	10°R47	1♉ 8	2°26	18°20	27° 6	11°40	27°24	10° 2	1°30	1°52	14°28	23°38	F 9
S 10	13 42 41	27°25'02	2♈27	10°42	2°22	2°49	18°18	27°13	11°43	27°24	10° 1	1°30	1°48	14°34	23°40	S 10
S 11	13 46 38	28°23'17	14°27	10°32	3°36	3°11	18°15	27°20	11°46	27°25	10° 0	1°29	1°45	14°41	23°42	S 11
M12	13 50 34	29°21'30	26°21	10°17	4°50	3°33	18°13	27°27	11°50	27°25	9°59	1°D29	1°42	14°48	23°45	M12
T 13	13 54 31	0♉19'41	8♉11	9°57	6° 4	3°55	18°10	27°34	11°53	27°25	9°58	1°29	1°39	14°54	23°48	T 13
W14	13 58 27	1°17'51	19°58	9°34	7°18	4°16	18° 7	27°40	11°56	27°26	9°57	1°R29	1°36	15° 1	23°50	W14
T 15	14 2 24	2°15'59	1♊46	9° 6	8°32	4°37	18° 3	27°47	12° 0	27°26	9°56	1°29	1°32	15° 8	23°53	T 15
F 16	14 6 20	3°14'05	13°36	8°36	9°46	4°57	18° 0	27°54	12° 3	27°27	9°55	1°29	1°29	15°14	23°56	F 16
S 17	14 10 17	4°12'09	25°33	8° 3	11° 0	5°17	17°57	28° 0	12° 6	27°27	9°53	1°29	1°26	15°21	23°59	S 17
S 18	14 14 14	5°10'12	7♋39	7°28	12°14	5°37	17°53	28° 7	12° 9	27°28	9°52	1°28	1°23	15°28	24° 2	S 18
M19	14 18 10	6° 8'12	19°58	6°52	13°28	5°56	17°49	28°13	12°13	27°29	9°51	1°28	1°20	15°34	24° 5	M19
T 20	14 22 7	7° 6'11	2♌34	6°15	14°42	6°15	17°45	28°20	12°16	27°29	9°50	1°D28	1°17	15°41	24° 8	T 20
W21	14 26 3	8° 4'07	15°31	5°38	15°55	6°33	17°41	28°26	12°19	27°30	9°48	1°28	1°13	15°48	24°12	W21
T 22	14 30 0	9° 2'02	28°52	5° 2	17° 9	6°51	17°36	28°33	12°22	27°31	9°47	1°28	1°10	15°54	24°15	T 22
F 23	14 33 56	9°59'55	12♍38	4°27	18°23	7° 8	17°32	28°39	12°25	27°31	9°46	1°29	1° 7	16° 1	24°19	F 23
S 24	14 37 53	10°57'46	26°52	3°54	19°37	7°25	17°27	28°45	12°28	27°32	9°45	1°30	1° 4	16° 8	24°22	S 24
S 25	14 41 49	11°55'35	11♎29	3°23	20°51	7°42	17°22	28°51	12°32	27°33	9°43	1°30	1° 1	16°14	24°26	S 25
M26	14 45 46	12°53'23	26°26	2°55	22° 4	7°58	17°17	28°58	12°35	27°34	9°42	1°R31	0°57	16°21	24°30	M26
T 27	14 49 43	13°51'09	11♏36	2°31	23°18	8°13	17°12	29° 4	12°38	27°35	9°40	1°31	0°54	16°28	24°34	T 27
W28	14 53 39	14°48'53	26°49	2°10	24°32	8°28	17° 7	29°10	12°41	27°35	9°39	1°30	0°51	16°34	24°38	W28
T 29	14 57 36	15°46'37	11♐56	1°53	25°46	8°43	17° 2	29°16	12°44	27°36	9°38	1°28	0°48	16°41	24°42	T 29
F 30	15 1 32	16♉44'19	26♐48	1♉40	26♉59	8♑56	16♐56	29♓22	12♈47	27♋37	9♐36	1♉27	0♉45	16♉47	24♋46	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n20	23s37	2s47	17n 0	2n56	7n23	1s 0	23s55	0s23	22s26	0n37	3s28	2s 6	3n52	0s38	20n38	0s 8	12s45	9n25	12n 3	12n19	16n57	14n51	6s45
F 2	7 43	26 47	3 50	17 16	2 57	7 53	0 59	23 57	0 25	22 26	0 37	3 25	2 6	3 54	0 38	20 38	0 8	12 45	9 25	12 3	12 18	16 59	14 51	6 45
S 3	8 5	28 8	4 36	17 28	2 58	8 22	0 57	23 59	0 27	22 26	0 37	3 22	2 6	3 55	0 38	20 38	0 8	12 44	9 25	12 3	12 17	17 2	14 51	6 44
S 4	8 27	27 38	5 6	17 37	2 58	8 51	0 55	24 2	0 29	22 26	0 37	3 19	2 7	3 56	0 38	20 38	0 8	12 44	9 25	12 4	12 16	17 5	14 52	6 43
M 5	8 49	25 31	5 17	17 43	2 56	9 20	0 53	24 4	0 31	22 25	0 37	3 17	2 7	3 58	0 38	20 38	0 8	12 44	9 25	12 4	12 15	17 8	14 52	6 43
T 6	9 10	22 5	5 11	17 45	2 53	9 48	0 52	24 6	0 34	22 25	0 37	3 14	2 7	3 59	0 38	20 38	0 8	12 44	9 25	12 3	12 13	17 11	14 53	6 42
W 7	9 32	17 39	4 50	17 45	2 49	10 16	0 50	24 8	0 36	22 25	0 37	3 11	2 7	4 0	0 38	20 38	0 8	12 43	9 26	12 3	12 12	17 13	14 53	6 41
T 8	9 53	12 34	4 16	17 42	2 43	10 44	0 48	24 9	0 38	22 25	0 37	3 9	2 7	4 2	0 38	20 38	0 8	12 43	9 26	12 3	12 11	17 16	14 53	6 41
F 9	10 15	7 4	3 29	17 35	2 36	11 12	0 46	24 11	0 41	22 25	0 37	3 6	2 7	4 3	0 38	20 38	0 8	12 43	9 26	12 3	12 10	17 19	14 54	6 40
S 10	10 36	1 23	2 34	17 26	2 28	11 40	0 44	24 13	0 43	22 25	0 37	3 3	2 7	4 4	0 38	20 38	0 8	12 43	9 26	12 2	12 9	17 22	14 54	6 39
S 11	10 57	4n17	1 33	17 14	2 19	12 7	0 42	24 15	0 45	22 25	0 37	3 1	2 7	4 6	0 38	20 38	0 8	12 42	9 26	12 2	12 8	17 25	14 54	6 38
M12	11 17	9 46	0 28	16 59	2 8	12 34	0 40	24 17	0 48	22 24	0 37	2 58	2 8	4 7	0 38	20 38	0 8	12 42	9 26	12 2	12 7	17 28	14 54	6 38
T 13	11 38	14 53	0n37	16 42	1 56	13 1	0 37	24 19	0 50	22 24	0 36	2 56	2 8	4 8	0 38	20 38	0 8	12 42	9 26	12 2	12 6	17 30	14 55	6 37
W14	11 58	19 25	1 41	16 22	1 43	13 27	0 35	24 21	0 53	22 24	0 36	2 53	2 8	4 9	0 38	20 37	0 8	12 41	9 26	12 2	12 5	17 33	14 55	6 36
T 15	12 19	23 13	2 40	16 0	1 29	13 53	0 33	24 23	0 55	22 24	0 36	2 50	2 8	4 11	0 38	20 37	0 8	12 41	9 27	12 2	12 3	17 36	14 55	6 36
F 16	12 39	26 3	3 33	15 36	1 14	14 19	0 31	24 25	0 58	22 23	0 36	2 48	2 8	4 12	0 38	20 37	0 8	12 41	9 27	12 2	12 2	17 39	14 55	6 35
S 17	12 58	27 45	4 17	15 11	0 59	14 44	0 29	24 27	1 1	22 23	0 36	2 45	2 8	4 13	0 38	20 37	0 8	12 41	9 27	12 2	12 1	17 41	14 55	6 34
S 18	13 18	28 9	4 51	14 44	0 42	15 9	0 26	24 29	1 4	22 23	0 36	2 43	2 8	4 15	0 38	20 37	0 8	12 40	9 27	12 2	12 0	17 44	14 56	6 34
M19	13 37	27 10	5 11	14 16	0 26	15 34	0 24	24 30	1 6	22 22	0 36	2 40	2 9	4 16	0 38	20 37	0 8	12 40	9 27	12 2	11 59	17 47	14 56	6 33
T 20	13 56	24 49	5 17	13 48	0 8	15 58	0 22	24 32	1 9	22 22	0 36	2 38	2 9	4 17	0 38	20 37	0 8	12 40	9 27	12 2	11 58	17 50	14 56	6 32
W21	14 15	21 9	5 8	13 19	0s 9	16 22	0 19	24 34	1 12	22 22	0 36	2 36	2 9	4 18	0 38	20 37	0 8	12 40	9 27	12 2	11 57	17 53	14 56	6 32
T 22	14 34	16 19	4 42	12 50	0 26	16 45	0 17	24 36	1 15	22 21	0 36	2 33	2 9	4 19	0 38	20 37	0 8	12 39	9 27	12 2	11 56	17 55	14 56	6 31
F 23	14 52	10 31	3 59	12 23	0 43	17 8	0 15	24 39	1 18	22 21	0 36	2 31	2 9	4 21	0 38	20 37	0 8	12 39	9 27	12 2	11 55	17 58	14 56	6 31
S 24	15 11	4 1	3 1	11 55	1 0	17 31	0 12	24 41	1 21	22 21	0 36	2 29	2 9	4 22	0 38	20 36	0 8	12 39	9 27	12 2	11 54	18 1	14 56	6 30
S 25	15 29	2s54	1 49	11 30	1 17	17 53	0 10	24 43	1 24	22 20	0 36	2 26	2 10	4 23	0 38	20 36	0 8	12 39	9 27	12 3	11 52	18 4	14 56	6 29
M26	15 46	9 48	0 28	11 5	1 32	18 14	0 8	24 45	1 27	22 20	0 36	2 24	2 10	4 24	0 38	20 36	0 8	12 38	9 27	12 3	11 51	18 6	14 56	6 29
T 27	16 4	16 16	0s56	10 43	1 48	18 36	0 5	24 47	1 30	22 19	0 36	2 22	2 10	4 25	0 38	20 36	0 8	12 38	9 27	12 3	11 50	18 9	14 56	6 28
W28	16 21	21 44	2 16	10 22	2 2	18 56	0 3	24 49	1 34	22 19	0 36	2 19	2 10	4 27	0 38	20 36	0 8	12 38	9 27	12 3	11 49	18 12	14 56	6 27
T 29	16 38	25 43	3 26	10 4	2 15	19 16	0 0	24 52	1 37	22 18	0 36	2 17	2 10	4 28	0 38	20 36	0 8	12 38	9 27	12 2	11 48	18 15	14 56	6 27
F 30	16n54	27s50	4s20	9n47	2s28	19n36	0n 2	24s54	1s40	22s18	0n36	2s15	2s10	4n29	0s38	20n35	0s 8	12s37	9n27	12n 1	11n47	18n17	14n56	6s26

Julian Day Number = 2181363.5, Delta T = 11m28s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'27, Lahiri = 13°32'27 Julian Calendar 1 Apr. 1260 == Greg. Calendar 8 Apr. 1260

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ASTRODIENST EPHEMERIS for the year 1260
geocentric

MAY 1260 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 5 29	17♉42'00	11♋17	1°R31	28♉13	9♋10	16°R50	29♓28	12♈50	27♋38	9°R35	1°R25	0♉42	16♉54	24♋50	S 1
S 2	15 9 25	18°39'40	25°21	1°D27	29°27	9°22	16♐45	29°33	12°53	27°39	9♐33	1♉23	0°38	17° 1	24°54	S 2
M 3	15 13 22	19°37'19	8♒57	1♉27	0♊40	9°35	16°39	29°39	12°56	27°40	9°32	1°22	0°35	17° 7	24°59	M 3
T 4	15 17 18	20°34'56	22° 8	1°32	1°54	9°46	16°33	29°45	12°59	27°41	9°30	1°D22	0°32	17°14	25° 3	T 4
W 5	15 21 15	21°32'33	4♓54	1°42	3° 8	9°57	16°26	29°50	13° 1	27°42	9°29	1°22	0°29	17°21	25° 7	W 5
T 6	15 25 12	22°30'09	17°21	1°56	4°21	10° 8	16°20	29°56	13° 4	27°44	9°27	1°23	0°26	17°27	25°12	T 6
F 7	15 29 8	23°27'44	29°33	2°14	5°35	10°17	16°14	0♈ 2	13° 7	27°45	9°26	1°25	0°23	17°34	25°17	F 7
S 8	15 33 5	24°25'17	11♈33	2°37	6°48	10°26	16° 7	0° 7	13°10	27°46	9°24	1°26	0°19	17°41	25°21	S 8
S 9	15 37 1	25°22'50	23°25	3° 4	8° 2	10°35	16° 1	0°12	13°13	27°47	9°23	1°28	0°16	17°47	25°26	S 9
M10	15 40 58	26°20'22	5♉14	3°35	9°15	10°42	15°54	0°18	13°15	27°48	9°21	1°R28	0°13	17°54	25°31	M10
T 11	15 44 54	27°17'53	17° 0	4°10	10°29	10°49	15°47	0°23	13°18	27°50	9°20	1°27	0°10	18° 1	25°36	T 11
W12	15 48 51	28°15'22	28°49	4°50	11°43	10°56	15°40	0°28	13°21	27°51	9°18	1°24	0° 7	18° 7	25°41	W12
T 13	15 52 47	29°12'51	10♊40	5°33	12°56	11° 2	15°33	0°33	13°23	27°52	9°17	1°21	0° 3	18°14	25°46	T 13
F 14	15 56 44	0♊10'19	22°37	6°20	14°10	11° 7	15°26	0°38	13°26	27°54	9°15	1°16	0° 0	18°21	25°51	F 14
S 15	16 0 41	1° 7'46	4♋41	7°10	15°23	11°11	15°19	0°43	13°29	27°55	9°13	1°11	29♈57	18°27	25°56	S 15
S 16	16 4 37	2° 5'11	16°55	8° 4	16°37	11°14	15°12	0°48	13°31	27°56	9°12	1° 6	29°54	18°34	26° 2	S 16
M17	16 8 34	3° 2'36	29°20	9° 2	17°50	11°17	15° 4	0°53	13°34	27°58	9°10	1° 2	29°51	18°41	26° 7	M17
T 18	16 12 30	3°59'59	11♌59	10° 3	19° 4	11°19	14°57	0°58	13°36	27°59	9° 9	0°59	29°48	18°47	26°13	T 18
W19	16 16 27	4°57'21	24°56	11° 8	20°17	11°21	14°50	1° 2	13°39	28° 1	9° 7	0°57	29°44	18°54	26°18	W19
T 20	16 20 23	5°54'42	8♍12	12°15	21°30	11°R21	14°42	1° 7	13°41	28° 2	9° 6	0°D56	29°41	19° 1	26°24	T 20
F 21	16 24 20	6°52'02	21°49	13°26	22°44	11°21	14°35	1°11	13°43	28° 4	9° 4	0°57	29°38	19° 7	26°29	F 21
S 22	16 28 16	7°49'20	5♎50	14°40	23°57	11°20	14°27	1°16	13°46	28° 5	9° 2	0°58	29°35	19°14	26°35	S 22
S 23	16 32 13	8°46'38	20°14	15°57	25°11	11°19	14°20	1°20	13°48	28° 7	9° 1	1° 0	29°32	19°20	26°41	S 23
M24	16 36 10	9°43'55	4♏59	17°18	26°24	11°17	14°12	1°25	13°50	28° 8	8°59	1°R 0	29°29	19°27	26°46	M24
T 25	16 40 6	10°41'11	19°59	18°41	27°37	11°13	14° 4	1°29	13°52	28°10	8°58	0°59	29°25	19°34	26°52	T 25
W26	16 44 3	11°38'26	5♐ 8	20° 7	28°51	11°10	13°57	1°33	13°55	28°12	8°56	0°56	29°22	19°40	26°58	W26
T 27	16 47 59	12°35'40	20°15	21°37	0♋ 4	11° 5	13°49	1°37	13°57	28°13	8°54	0°51	29°19	19°47	27° 4	T 27
F 28	16 51 56	13°32'54	5♑12	23° 9	1°17	11° 0	13°41	1°41	13°59	28°15	8°53	0°45	29°16	19°54	27°10	F 28
S 29	16 55 52	14°30'08	19°49	24°44	2°30	10°54	13°34	1°45	14° 1	28°17	8°51	0°38	29°13	20° 0	27°16	S 29
S 30	16 59 49	15°27'21	4♒ 1	26°22	3°44	10°47	13°26	1°48	14° 3	28°18	8°50	0°32	29° 9	20° 7	27°22	S 30
M31	17 3 46	16♊24'34	17♒44	28♉ 3	4♋57	10♋40	13♐19	1♈52	14♈ 5	28♋20	8♐48	0♉27	29♈ 6	20♉14	27♋29	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n11	27s59	4s57	9n34	2s39	19n55	0n 5	24s57	1s44	22s17	0n36	2s13	2s11	4n30	0s38	20n35	0s 8	12s37	9n28	12n 1	11n46	18n20	14n55	6s26
S 2	17 27	26 18	5 14	9 22	2 50	20 14	0 7	24 59	1 47	22 17	0 36	2 11	2 11	4 31	0 38	20 35	0 8	12 37	9 28	12 0	11 45	18 23	14 55	6 25
M 3	17 43	23 7	5 13	9 14	2 59	20 32	0 10	25 2	1 51	22 16	0 36	2 8	2 11	4 32	0 38	20 35	0 8	12 37	9 28	12 0	11 43	18 25	14 55	6 24
T 4	17 58	18 51	4 56	9 7	3 8	20 49	0 12	25 5	1 54	22 16	0 35	2 6	2 11	4 34	0 38	20 35	0 8	12 37	9 28	12 0	11 42	18 28	14 55	6 24
W 5	18 13	13 50	4 24	9 4	3 15	21 6	0 14	25 7	1 58	22 15	0 35	2 4	2 11	4 35	0 38	20 35	0 8	12 36	9 28	12 0	11 41	18 31	14 55	6 23
T 6	18 28	8 23	3 40	9 3	3 21	21 23	0 17	25 10	2 2	22 15	0 35	2 2	2 12	4 36	0 38	20 34	0 8	12 36	9 28	12 0	11 40	18 34	14 54	6 23
F 7	18 43	2 44	2 47	9 4	3 26	21 38	0 19	25 13	2 5	22 14	0 35	2 0	2 12	4 37	0 38	20 34	0 8	12 36	9 28	12 1	11 39	18 36	14 54	6 22
S 8	18 57	2n56	1 48	9 8	3 31	21 53	0 22	25 16	2 9	22 14	0 35	1 58	2 12	4 38	0 38	20 34	0 8	12 36	9 28	12 1	11 38	18 39	14 54	6 22
S 9	19 11	8 27	0 44	9 14	3 34	22 8	0 24	25 19	2 13	22 13	0 35	1 56	2 12	4 39	0 38	20 34	0 8	12 36	9 28	12 2	11 37	18 42	14 54	6 21
M10	19 25	13 39	0n21	9 22	3 36	22 22	0 26	25 23	2 17	22 12	0 35	1 54	2 12	4 40	0 38	20 33	0 8	12 35	9 28	12 2	11 36	18 44	14 53	6 20
T 11	19 38	18 20	1 25	9 33	3 38	22 35	0 29	25 26	2 21	22 12	0 35	1 52	2 13	4 41	0 38	20 33	0 8	12 35	9 28	12 1	11 35	18 47	14 53	6 20
W12	19 51	22 20	2 25	9 45	3 38	22 48	0 31	25 29	2 25	22 11	0 35	1 51	2 13	4 42	0 38	20 33	0 8	12 35	9 27	12 1	11 33	18 50	14 53	6 19
T 13	20 4	25 25	3 19	10 0	3 38	23 0	0 34	25 33	2 29	22 10	0 35	1 49	2 13	4 43	0 38	20 33	0 8	12 35	9 27	11 59	11 32	18 52	14 52	6 19
F 14	20 16	27 24	4 5	10 16	3 37	23 11	0 36	25 37	2 33	22 10	0 35	1 47	2 13	4 44	0 38	20 32	0 8	12 35	9 27	11 58	11 31	18 55	14 52	6 18
S 15	20 28	28 7	4 40	10 34	3 35	23 22	0 38	25 40	2 37	22 9	0 35	1 45	2 14	4 45	0 38	20 32	0 8	12 34	9 27	11 56	11 30	18 58	14 51	6 18
S 16	20 40	27 28	5 3	10 54	3 32	23 32	0 41	25 44	2 41	22 8	0 34	1 43	2 14	4 46	0 38	20 32	0 8	12 34	9 27	11 54	11 29	19 0	14 51	6 17
M17	20 51	25 27	5 12	11 16	3 29	23 41	0 43	25 48	2 46	22 8	0 34	1 42	2 14	4 47	0 38	20 32	0 8	12 34	9 27	11 53	11 28	19 3	14 50	6 17
T 18	21 2	22 10	5 7	11 39	3 25	23 50	0 45	25 52	2 50	22 7	0 34	1 40	2 14	4 48	0 38	20 31	0 8	12 34	9 27	11 52	11 27	19 6	14 50	6 16
W19	21 13	17 44	4 45	12 4	3 20	23 58	0 47	25 56	2 54	22 6	0 34	1 38	2 14	4 49	0 38	20 31	0 8	12 34	9 27	11 51	11 26	19 8	14 49	6 16
T 20	21 23	12 22	4 9	12 30	3 14	24 5	0 50	26 1	2 58	22 6	0 34	1 37	2 15	4 50	0 38	20 31	0 8	12 34	9 27	11 51	11 24	19 11	14 49	6 15
F 21	21 33	6 17	3 17	12 57	3 8	24 12	0 52	26 5	3 3	22 5	0 34	1 35	2 15	4 51	0 38	20 31	0 8	12 33	9 27	11 51	11 23	19 14	14 48	6 15
S 22	21 42	0s18	2 13	13 25	3 1	24 18	0 54	26 10	3 7	22 4	0 34	1 34	2 15	4 52	0 38	20 30	0 8	12 33	9 27	11 52	11 22	19 16	14 48	6 14
S 23	21 51	7 3	0 58	13 54	2 54	24 23	0 56	26 14	3 12	22 3	0 34	1 32	2 15	4 52	0 39	20 30	0 8	12 33	9 27	11 52	11 21	19 19	14 47	6 14
M24	22 0	13 35	0s22	14 24	2 46	24 27	0 58	26 19	3 16	22 3	0 34	1 31	2 16	4 53	0 39	20 30	0 8	12 33	9 27	11 52	11 20	19 22	14 47	6 13
T 25	22 8	19 26	1 41	14 55	2 38	24 31	1 0	26 23	3 21	22 2	0 33	1 29	2 16	4 54	0 39	20 29	0 8	12 33	9 27	11 52	11 19	19 24	14 46	6 13
W26	22 16	24 6	2 55	15 27	2 29	24 34	1 2	26 28	3 25	22 1	0 33	1 28	2 16	4 55	0 39	20 29	0 8	12 33	9 26	11 51	11 18	19 27	14 45	6 12
T 27	22 24	27 5	3 55	16 0	2 20	24 36	1 4	26 33	3 30	22 0	0 33	1 26	2 16	4 56	0 39	20 29	0 8	12 33	9 26	11 49	11 17	19 29	14 45	6 12
F 28	22 31	28 5	4 39	16 32	2 10	24 38	1 6	26 38	3 34	21 59	0 33	1 25	2 17	4 57	0 39	20 28	0 8	12 33	9 26	11 47	11 15	19 32	14 44	6 12
S 29	22 38	27 4	5 4	17 5	2 0	24 39	1 8	26 43	3 39	21 59	0 33	1 24	2 17	4 57	0 39	20 28	0 8	12 32	9 26	11 45	11 14	19 35	14 43	6 11
S 30	22 44	24 19	5 9	17 39	1 49	24 39	1 10	26 48	3 43	21 58	0 33	1 22	2 17	4 58	0 39	20 28	0 8	12 32	9 26	11 42	11 13	19 37	14 42	6 11
M31	22n50	20s15	4s55	18n12	1s39	24n38	1n11	26s53	3s48	21s57	0n33	1s21	2s17	4n59	0s39	20n27	0s 8	12s32	9n26	11n41	11n12	19n40	14n42	6s10

Julian Day Number = 2181393.5, Delta T = 11m28s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'31, Lahiri = 13°32'31 Julian Calendar 1 May 1260 == Greg. Calendar 8 May 1260

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1260
geocentric

JUNE 1260 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 7 42	17♊21'47	0♓59	29♉47	6♋10	10°R31	13°R11	1♈56	14♈ 7	28♋22	8°R46	0°R24	29♈ 3	20♉20	27♋35	T 1
W 2	17 11 39	18°18'59	13°48	1♊34	7°23	10♏23	13♐ 3	1°59	14° 9	28°24	8♐45	0°D23	29° 0	20°27	27°41	W 2
T 3	17 15 35	19°16'11	26°15	3°23	8°37	10°13	12°56	2° 3	14°11	28°25	8°43	0♉23	28°57	20°34	27°47	T 3
F 4	17 19 32	20°13'23	8♈24	5°15	9°50	10° 3	12°48	2° 6	14°13	28°27	8°42	0°24	28°54	20°40	27°54	F 4
S 5	17 23 28	21°10'35	20°21	7°10	11° 3	9°52	12°41	2° 9	14°14	28°29	8°40	0°25	28°50	20°47	28° 0	S 5
S 6	17 27 25	22° 7'47	2♉11	9° 7	12°16	9°40	12°33	2°13	14°16	28°31	8°39	0°R25	28°47	20°54	28° 7	S 6
M 7	17 31 21	23° 4'59	13°57	11° 6	13°29	9°28	12°26	2°16	14°18	28°33	8°37	0°24	28°44	21° 0	28°13	M 7
T 8	17 35 18	24° 2'11	25°45	13° 8	14°42	9°15	12°18	2°19	14°20	28°35	8°36	0°21	28°41	21° 7	28°20	T 8
W 9	17 39 15	24°59'23	7♊37	15°12	15°56	9° 2	12°11	2°21	14°21	28°37	8°34	0°16	28°38	21°14	28°26	W 9
T 10	17 43 11	25°56'35	19°35	17°17	17° 9	8°48	12° 4	2°24	14°23	28°39	8°33	0° 8	28°35	21°20	28°33	T 10
F 11	17 47 8	26°53'47	1♋42	19°24	18°22	8°33	11°56	2°27	14°24	28°41	8°31	29♈59	28°31	21°27	28°40	F 11
S 12	17 51 4	27°50'58	13°58	21°32	19°35	8°18	11°49	2°30	14°26	28°42	8°30	29°48	28°28	21°34	28°46	S 12
S 13	17 55 1	28°48'10	26°25	23°41	20°48	8° 3	11°42	2°32	14°27	28°44	8°28	29°38	28°25	21°40	28°53	S 13
M14	17 58 57	29°45'21	9♌ 4	25°51	22° 1	7°47	11°35	2°35	14°29	28°46	8°27	29°28	28°22	21°47	29° 0	M14
T 15	18 2 54	0♋42'32	21°55	28° 1	23°14	7°31	11°28	2°37	14°30	28°48	8°25	29°21	28°19	21°54	29° 7	T 15
W16	18 6 50	1°39'42	4♍58	0♋12	24°27	7°15	11°22	2°39	14°31	28°50	8°24	29°15	28°15	22° 0	29°14	W16
T 17	18 10 47	2°36'53	18°17	2°22	25°40	6°58	11°15	2°41	14°33	28°52	8°22	29°12	28°12	22° 7	29°21	T 17
F 18	18 14 44	3°34'03	1♎52	4°32	26°53	6°41	11° 8	2°43	14°34	28°55	8°21	29°D12	28° 9	22°14	29°28	F 18
S 19	18 18 40	4°31'13	15°44	6°41	28° 6	6°24	11° 2	2°45	14°35	28°57	8°20	29°12	28° 6	22°20	29°35	S 19
S 20	18 22 37	5°28'23	29°54	8°49	29°19	6° 7	10°55	2°47	14°36	28°59	8°18	29°R12	28° 3	22°27	29°42	S 20
M21	18 26 33	6°25'33	14♏21	10°57	0♌32	5°50	10°49	2°49	14°37	29° 1	8°17	29°11	28° 0	22°34	29°49	M21
T 22	18 30 30	7°22'43	29° 3	13° 3	1°44	5°33	10°43	2°50	14°38	29° 3	8°15	29° 9	27°56	22°40	29°56	T 22
W23	18 34 26	8°19'53	13♐54	15° 7	2°57	5°15	10°37	2°52	14°39	29° 5	8°14	29° 3	27°53	22°47	0♌ 3	W23
T 24	18 38 23	9°17'03	28°47	17°10	4°10	4°58	10°31	2°53	14°40	29° 7	8°13	28°55	27°50	22°54	0°10	T 24
F 25	18 42 20	10°14'13	13♑33	19°12	5°23	4°41	10°25	2°55	14°41	29° 9	8°12	28°46	27°47	23° 0	0°17	F 25
S 26	18 46 16	11°11'24	28° 5	21°12	6°36	4°24	10°19	2°56	14°42	29°11	8°10	28°35	27°44	23° 7	0°24	S 26
S 27	18 50 13	12° 8'35	12♒15	23°10	7°48	4° 7	10°14	2°57	14°43	29°13	8° 9	28°25	27°41	23°13	0°32	S 27
M28	18 54 9	13° 5'47	25°59	25° 7	9° 1	3°50	10° 9	2°58	14°44	29°16	8° 8	28°16	27°37	23°20	0°39	M28
T 29	18 58 6	14° 2'59	9♓16	27° 2	10°14	3°34	10° 3	2°59	14°44	29°18	8° 7	28°10	27°34	23°27	0°46	T 29
W30	19 2 2	15♋ 0'12	22♓ 7	28♋55	11♌27	3♏18	9♐58	3♈ 0	14♈45	29♋20	8♐ 5	28♈ 6	27♈31	23♉33	0♌53	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n56	15s19	4s26	18n46	1s28	24n37	1n13	26s58	3s52	21s56	0n33	1s20	2s18	5n 0	0s39	20n27	0s 8	12s32	9n26	11n40	11n11	19n42	14n41	6s10
W 2	23 1	9 51	3 45	19 19	1 16	24 35	1 15	27 4	3 57	21 55	0 32	1 19	2 18	5 0	0 39	20 27	0 8	12 32	9 26	11 39	11 10	19 45	14 40	6 10
T 3	23 6	4 9	2 54	19 51	1 5	24 32	1 16	27 9	4 1	21 55	0 32	1 18	2 18	5 1	0 39	20 26	0 8	12 32	9 25	11 39	11 9	19 48	14 39	6 9
F 4	23 11	1n34	1 56	20 23	0 54	24 28	1 18	27 14	4 5	21 54	0 32	1 17	2 18	5 2	0 39	20 26	0 8	12 32	9 25	11 39	11 8	19 50	14 38	6 9
S 5	23 15	7 9	0 54	20 54	0 42	24 24	1 20	27 19	4 10	21 53	0 32	1 16	2 19	5 2	0 39	20 26	0 7	12 32	9 25	11 40	11 6	19 53	14 38	6 8
S 6	23 18	12 26	0n 9	21 24	0 30	24 19	1 21	27 25	4 14	21 52	0 32	1 14	2 19	5 3	0 39	20 25	0 7	12 32	9 25	11 40	11 5	19 55	14 37	6 8
M 7	23 21	17 14	1 12	21 53	0 19	24 13	1 23	27 30	4 19	21 51	0 32	1 14	2 19	5 4	0 39	20 25	0 7	12 32	9 25	11 40	11 4	19 58	14 36	6 8
T 8	23 24	21 24	2 12	22 21	0 8	24 7	1 24	27 35	4 23	21 50	0 31	1 13	2 19	5 4	0 39	20 24	0 7	12 32	9 25	11 39	11 3	20 1	14 35	6 7
W 9	23 27	24 44	3 6	22 46	0n 4	24 0	1 25	27 40	4 27	21 50	0 31	1 12	2 20	5 5	0 39	20 24	0 7	12 32	9 24	11 37	11 2	20 3	14 34	6 7
T 10	23 28	26 59	3 52	23 10	0 15	23 52	1 26	27 45	4 31	21 49	0 31	1 11	2 20	5 6	0 39	20 24	0 7	12 32	9 24	11 34	11 1	20 6	14 33	6 7
F 11	23 30	28 0	4 29	23 32	0 25	23 43	1 28	27 50	4 35	21 48	0 31	1 10	2 20	5 6	0 39	20 23	0 7	12 32	9 24	11 31	11 0	20 8	14 32	6 6
S 12	23 31	27 39	4 53	23 51	0 35	23 34	1 29	27 55	4 39	21 47	0 31	1 9	2 21	5 7	0 39	20 23	0 7	12 32	9 24	11 27	10 58	20 11	14 31	6 6
S 13	23 32	25 55	5 4	24 8	0 45	23 24	1 30	28 0	4 43	21 46	0 31	1 8	2 21	5 7	0 39	20 23	0 7	12 32	9 24	11 23	10 57	20 13	14 30	6 6
M14	23 32	22 53	5 0	24 22	0 54	23 14	1 31	28 5	4 47	21 46	0 31	1 8	2 21	5 8	0 39	20 22	0 7	12 32	9 23	11 20	10 56	20 16	14 29	6 5
T 15	23 32	18 41	4 41	24 34	1 3	23 2	1 32	28 9	4 51	21 45	0 30	1 7	2 21	5 8	0 39	20 22	0 7	12 32	9 23	11 17	10 55	20 18	14 28	6 5
W16	23 32	13 34	4 8	24 43	1 11	22 50	1 33	28 14	4 54	21 44	0 30	1 6	2 22	5 9	0 39	20 21	0 7	12 32	9 23	11 15	10 54	20 21	14 27	6 5
T 17	23 31	7 43	3 20	24 49	1 18	22 38	1 34	28 18	4 58	21 43	0 30	1 6	2 22	5 9	0 39	20 21	0 7	12 32	9 23	11 14	10 53	20 23	14 26	6 5
F 18	23 29	1 24	2 20	24 52	1 24	22 25	1 34	28 23	5 1	21 43	0 30	1 5	2 22	5 10	0 39	20 21	0 7	12 32	9 22	11 14	10 52	20 26	14 24	6 4
S 19	23 28	5s 7	1 11	24 52	1 30	22 11	1 35	28 27	5 4	21 42	0 30	1 5	2 23	5 10	0 39	20 20	0 7	12 32	9 22	11 14	10 50	20 28	14 23	6 4
S 20	23 25	11 32	0s 4	24 50	1 35	21 56	1 36	28 31	5 7	21 41	0 29	1 4	2 23	5 11	0 39	20 20	0 7	12 32	9 22	11 14	10 49	20 31	14 22	6 4
M21	23 23	17 29	1 20	24 45	1 40	21 41	1 36	28 35	5 10	21 41	0 29	1 4	2 23	5 11	0 39	20 19	0 7	12 32	9 22	11 14	10 48	20 33	14 21	6 3
T 22	23 20	22 30	2 32	24 37	1 43	21 25	1 37	28 38	5 13	21 40	0 29	1 3	2 23	5 11	0 39	20 19	0 7	12 32	9 21	11 13	10 47	20 36	14 20	6 3
W23	23 16	26 6	3 34	24 26	1 46	21 9	1 37	28 42	5 16	21 39	0 29	1 3	2 24	5 12	0 39	20 18	0 7	12 32	9 21	11 11	10 46	20 38	14 18	6 3
T 24	23 13	27 54	4 22	24 13	1 49	20 52	1 37	28 45	5 19	21 38	0 29	1 3	2 24	5 12	0 39	20 18	0 7	12 32	9 21	11 8	10 45	20 41	14 17	6 3
F 25	23 8	27 41	4 52	23 58	1 50	20 35	1 38	28 48	5 21	21 38	0 29	1 2	2 24	5 12	0 39	20 18	0 7	12 32	9 21	11 5	10 44	20 43	14 16	6 3
S 26	23 4	25 33	5 2	23 41	1 51	20 17	1 38	28 51	5 23	21 37	0 28	1 2	2 25	5 13	0 39	20 17	0 7	12 32	9 20	11 1	10 43	20 46	14 15	6 2
S 27	22 59	21 53	4 53	23 22	1 51	19 58	1 38	28 54	5 26	21 37	0 28	1 2	2 25	5 13	0 39	20 17	0 7	12 32	9 20	10 57	10 41	20 48	14 13	6 2
M28	22 53	17 6	4 28	23 0	1 50	19 39	1 38	28 56	5 28	21 36	0 28	1 2	2 25	5 13	0 39	20 16	0 7	12 32	9 20	10 54	10 40	20 51	14 12	6 2
T 29	22 48	11 39	3 48	22 37	1 49	19 19	1 38	28 59	5 29	21 35	0 28	1 2	2 25	5 13	0 39	20 16	0 7	12 32	9 20	10 52	10 39	20 53	14 11	6 2
W30	22n41	5s52	2s58	22n13	1n47	18n59	1n38	29s 1	5s31	21s35	0n28	1s 2	2s26	5n14	0s39	20n15	0s 7	12s32	9n19	10n50	10n38	20n56	14n 9	6s 2

Julian Day Number = 2181424.5, Delta T = 11m28s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'35, Lahiri = 13°32'35 Julian Calendar 1 June 1260 == Greg. Calendar 8 June 1260

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ASTRODIENST EPHEMERIS for the year 1260
geocentric

JULY 1260 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 5 59	15♋57'26	4♈36	0♌46	12♌39	3°R 2	9°R53	3♈ 1	14♈46	29♋22	8°R 4	28°R 4	27♈28	23♉40	1♌ 1	T 1
F 2	19 9 55	16°54'40	16°46	2°35	13°52	2♑47	9♐48	3° 1	14°46	29°24	8♐ 3	28°D 3	27°25	23°47	1° 8	F 2
S 3	19 13 52	17°51'55	28°43	4°23	15° 4	2°32	9°44	3° 2	14°47	29°26	8° 2	28°R 3	27°21	23°53	1°15	S 3
S 4	19 17 49	18°49'12	10♉33	6° 9	16°17	2°17	9°39	3° 2	14°47	29°29	8° 1	28♈ 3	27°18	24° 0	1°23	S 4
M 5	19 21 45	19°46'29	22°21	7°53	17°30	2° 3	9°35	3° 3	14°47	29°31	8° 0	28° 1	27°15	24° 7	1°30	M 5
T 6	19 25 42	20°43'47	4♊11	9°35	18°42	1°49	9°31	3° 3	14°48	29°33	7°59	27°56	27°12	24°13	1°38	T 6
W 7	19 29 38	21°41'06	16° 8	11°15	19°55	1°36	9°27	3° 3	14°48	29°35	7°58	27°49	27° 9	24°20	1°45	W 7
T 8	19 33 35	22°38'26	28°14	12°54	21° 7	1°24	9°23	3°R 3	14°48	29°37	7°57	27°40	27° 6	24°27	1°52	T 8
F 9	19 37 31	23°35'46	10♋33	14°31	22°20	1°12	9°19	3° 3	14°49	29°40	7°56	27°28	27° 2	24°33	2° 0	F 9
S 10	19 41 28	24°33'08	23° 4	16° 6	23°32	1° 1	9°16	3° 3	14°49	29°42	7°55	27°15	26°59	24°40	2° 7	S 10
S 11	19 45 24	25°30'30	5♌49	17°40	24°45	0°51	9°12	3° 2	14°49	29°44	7°54	27° 2	26°56	24°47	2°15	S 11
M12	19 49 21	26°27'54	18°46	19°11	25°57	0°41	9° 9	3° 2	14°49	29°46	7°53	26°50	26°53	24°53	2°22	M12
T 13	19 53 18	27°25'17	1♍56	20°41	27° 9	0°33	9° 6	3° 1	14°R49	29°49	7°52	26°40	26°50	25° 0	2°30	T 13
W14	19 57 14	28°22'42	15°16	22° 9	28°22	0°24	9° 3	3° 1	14°49	29°51	7°51	26°33	26°47	25° 7	2°37	W14
T 15	20 1 11	29°20'07	28°47	23°35	29°34	0°17	9° 1	3° 0	14°49	29°53	7°50	26°29	26°43	25°13	2°45	T 15
F 16	20 5 7	0♌17'33	12♎29	25° 0	0♍46	0°11	8°58	2°59	14°49	29°55	7°49	26°27	26°40	25°20	2°52	F 16
S 17	20 9 4	1°15'00	26°21	26°22	1°59	0° 5	8°56	2°58	14°49	29°57	7°49	26°27	26°37	25°27	3° 0	S 17
S 18	20 13 0	2°12'27	10♏24	27°43	3°11	29♐59	8°54	2°57	14°48	29°59	7°48	26°27	26°34	25°33	3° 7	S 18
M19	20 16 57	3° 9'55	24°38	29° 1	4°23	29°56	8°52	2°56	14°48	0♌ 2	7°47	26°25	26°31	25°40	3°15	M19
T 20	20 20 53	4° 7'25	9♐ 0	0♍18	5°35	29°53	8°50	2°55	14°48	0° 4	7°46	26°22	26°27	25°47	3°22	T 20
W21	20 24 50	5° 4'55	23°28	1°33	6°47	29°50	8°48	2°54	14°47	0° 6	7°46	26°16	26°24	25°53	3°30	W21
T 22	20 28 47	6° 2'26	7♑57	2°45	7°59	29°49	8°47	2°52	14°47	0° 9	7°45	26° 8	26°21	26° 0	3°38	T 22
F 23	20 32 43	6°59'57	22°21	3°55	9°11	29°D48	8°46	2°51	14°47	0°11	7°44	25°58	26°18	26° 7	3°45	F 23
S 24	20 36 40	7°57'30	6♒34	5° 3	10°23	29°48	8°45	2°49	14°46	0°13	7°44	25°46	26°15	26°13	3°53	S 24
S 25	20 40 36	8°55'05	20°30	6° 9	11°35	29°49	8°44	2°47	14°46	0°15	7°43	25°35	26°12	26°20	4° 0	S 25
M26	20 44 33	9°52'40	4♓ 5	7°12	12°47	29°50	8°44	2°46	14°45	0°17	7°43	25°26	26° 8	26°27	4° 8	M26
T 27	20 48 29	10°50'17	17°17	8°13	13°59	29°53	8°43	2°44	14°44	0°20	7°42	25°18	26° 5	26°33	4°15	T 27
W28	20 52 26	11°47'55	0♈ 6	9°11	15°11	29°56	8°43	2°42	14°44	0°22	7°42	25°13	26° 2	26°40	4°23	W28
T 29	20 56 22	12°45'35	12°34	10° 6	16°23	0♑ 0	8°D43	2°40	14°43	0°24	7°41	25°11	25°59	26°47	4°30	T 29
F 30	21 0 19	13°43'16	24°45	10°58	17°34	0° 5	8°43	2°37	14°42	0°26	7°41	25°D10	25°56	26°53	4°38	F 30
S 31	21 4 16	14♌40'59	6♉43	11♍47	18♍46	0♑11	8♐43	2♈35	14♈41	0♌28	7♐41	25♈10	25♈53	27♉ 0	4♌45	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22n35	0s 1	2s 1	21n46	1n45	18n38	1n38	29s 3	5s33	21s34	0n27	1s 2	2s26	5n14	0s40	20n15	0s 7	12s32	9n19	10n50	10n37	20n58	14n 8	6s 1	T 1
F 2	22 28	5n42	1 0	21 19	1 42	18 17	1 37	29 4	5 34	21 34	0 27	1 2	2 26	5 14	0 40	20 15	0 7	12 33	9 19	10 50	10 36	21 1	14 7	6 1	F 2
S 3	22 20	11 7	0n 4	20 50	1 38	17 56	1 37	29 6	5 35	21 33	0 27	1 2	2 27	5 14	0 40	20 14	0 7	12 33	9 18	10 50	10 34	21 3	14 5	6 1	S 3
S 4	22 13	16 5	1 6	20 20	1 34	17 33	1 37	29 7	5 36	21 33	0 27	1 2	2 27	5 14	0 40	20 14	0 7	12 33	9 18	10 49	10 33	21 6	14 4	6 1	S 4
M 5	22 4	20 27	2 5	19 49	1 30	17 11	1 36	29 8	5 37	21 32	0 27	1 2	2 27	5 15	0 40	20 13	0 7	12 33	9 18	10 49	10 32	21 8	14 2	6 1	M 5
T 6	21 56	24 0	2 59	19 17	1 25	16 48	1 36	29 9	5 38	21 32	0 27	1 2	2 27	5 15	0 40	20 13	0 7	12 33	9 17	10 47	10 31	21 10	14 1	6 1	T 6
W 7	21 47	26 33	3 45	18 44	1 19	16 24	1 35	29 10	5 39	21 31	0 26	1 2	2 28	5 15	0 40	20 12	0 7	12 33	9 17	10 45	10 30	21 13	13 59	6 0	W 7
T 8	21 38	27 54	4 22	18 11	1 13	16 0	1 34	29 11	5 39	21 31	0 26	1 3	2 28	5 15	0 40	20 12	0 7	12 33	9 17	10 41	10 29	21 15	13 58	6 0	T 8
F 9	21 28	27 53	4 47	17 37	1 7	15 36	1 34	29 11	5 39	21 31	0 26	1 3	2 28	5 15	0 40	20 11	0 7	12 34	9 17	10 37	10 28	21 18	13 56	6 0	F 9
S 10	21 18	26 28	4 59	17 2	1 0	15 11	1 33	29 11	5 39	21 30	0 26	1 3	2 28	5 15	0 40	20 11	0 7	12 34	9 16	10 32	10 26	21 20	13 55	6 0	S 10
S 11	21 8	23 41	4 57	16 27	0 53	14 46	1 32	29 12	5 40	21 30	0 26	1 4	2 29	5 15	0 40	20 10	0 7	12 34	9 16	10 27	10 25	21 23	13 53	6 0	S 11
M12	20 57	19 40	4 39	15 51	0 46	14 20	1 31	29 12	5 39	21 30	0 25	1 4	2 29	5 15	0 40	20 10	0 7	12 34	9 16	10 23	10 24	21 25	13 52	6 0	M12
T 13	20 46	14 39	4 6	15 16	0 38	13 55	1 30	29 11	5 39	21 29	0 25	1 5	2 29	5 15	0 40	20 10	0 7	12 34	9 15	10 20	10 23	21 27	13 50	6 0	T 13
W14	20 34	8 53	3 19	14 39	0 30	13 28	1 28	29 11	5 39	21 29	0 25	1 5	2 30	5 15	0 40	20 9	0 7	12 35	9 15	10 17	10 22	21 30	13 49	6 0	W14
T 15	20 22	2 38	2 21	14 3	0 22	13 2	1 27	29 11	5 38	21 29	0 25	1 6	2 30	5 15	0 40	20 9	0 7	12 35	9 15	10 15	10 21	21 32	13 47	6 0	T 15
F 16	20 10	3s50	1 13	13 27	0 13	12 35	1 26	29 10	5 38	21 29	0 25	1 6	2 30	5 15	0 40	20 8	0 7	12 35	9 14	10 15	10 20	21 34	13 45	6 0	F 16
S 17	19 58	10 12	0 0	12 51	0 4	12 8	1 24	29 9	5 37	21 29	0 24	1 7	2 30	5 15	0 40	20 8	0 7	12 35	9 14	10 15	10 18	21 37	13 44	6 0	S 17
S 18	19 45	16 10	1s13	12 14	0s 5	11 40	1 23	29 9	5 36	21 28	0 24	1 7	2 31	5 15	0 40	20 7	0 7	12 35	9 14	10 15	10 17	21 39	13 42	6 0	S 18
M19	19 32	21 19	2 23	11 38	0 14	11 12	1 21	29 8	5 35	21 28	0 24	1 8	2 31	5 14	0 40	20 7	0 7	12 36	9 13	10 14	10 16	21 42	13 41	6 0	M19
T 20	19 18	25 16	3 25	11 2	0 24	10 44	1 20	29 7	5 34	21 28	0 24	1 9	2 31	5 14	0 40	20 6	0 7	12 36	9 13	10 13	10 15	21 44	13 39	6 0	T 20
W21	19 4	27 36	4 14	10 27	0 34	10 16	1 18	29 5	5 33	21 28	0 24	1 10	2 32	5 14	0 40	20 6	0 7	12 36	9 12	10 11	10 14	21 46	13 37	6 0	W21
T 22	18 50	28 3	4 46	9 51	0 44	9 47	1 16	29 4	5 32	21 28	0 23	1 10	2 32	5 14	0 40	20 5	0 7	12 36	9 12	10 8	10 13	21 49	13 36	6 0	T 22
F 23	18 36	26 37	5 0	9 16	0 54	9 18	1 14	29 3	5 31	21 28	0 23	1 11	2 32	5 14	0 40	20 5	0 7	12 37	9 12	10 4	10 11	21 51	13 34	6 0	F 23
S 24	18 21	23 28	4 56	8 42	1 4	8 49	1 12	29 2	5 29	21 28	0 23	1 12	2 32	5 14	0 40	20 4	0 7	12 37	9 11	10 0	10 10	21 53	13 32	6 0	S 24
S 25	18 6	19 2	4 33	8 8	1 15	8 20	1 10	29 0	5 28	21 28	0 23	1 13	2 33	5 13	0 40	20 4	0 7	12 37	9 11	9 56	10 9	21 56	13 30	6 0	S 25
M26	17 51	13 42	3 56	7 35	1 25	7 50	1 8	28 58	5 26	21 28	0 23	1 14	2 33	5 13	0 40	20 4	0 7	12 38	9 11	9 52	10 8	21 58	13 29	6 0	M26
T 27	17 35	7 54	3 7	7 3	1 36	7 20	1 6	28 57	5 25	21 29	0 22	1 15	2 33	5 13	0 40	20 3	0 7	12 38	9 10	9 50	10 7	22 0	13 27	6 0	T 27
W28	17 19	1 56	2 9	6 31	1 47	6 50	1 4	28 55	5 23	21 29	0 22	1 16	2 33	5 12	0 40	20 3	0 7	12 38	9 10	9 48	10 6	22 3	13 25	6 0	W28
T 29	17 3	3n58	1 7	6 0	1 57	6 20	1 1	28 53	5 21	21 29	0 22	1 17	2 34	5 12	0 40	20 2	0 7	12 38	9 10	9 47	10 5	22 5	13 23	6 0	T 29
F 30	16 47	9 35	0 2	5 31	2 8	5 50	0 59	28 52	5 19	21 29	0 22	1 18	2 34	5 12	0 40	20 2	0 7	12 39	9 9	9 47	10 3	22 7	13 22	6 0	F 30
S 31	16n30	14n47	1n 1	5n 2	2s19	5n20	0n57	28s50	5s17	21s29	0n22	1s19	2s34	5n11	0s40	20n 1	0s 7	12s39	9n 9	9n47	10n 2	22n10	13n20	6s 0	S 31

Julian Day Number = 2181454.5, Delta T = 11m28s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'39, Lahiri = 13°32'40 Julian Calendar 1 July 1260 == Greg. Calendar 8 July 1260

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ASTRODIENST EPHEMERIS for the year 1260
geocentric

AUGUST 1260 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 8 12	15♌38'44	18♉34	12♍32	19♍58	0♏18	8♐44	2°R33	14°R40	0♌31	7°R40	25°R11	25♈49	27♉ 7	4♌53	S 1
M 2	21 12 9	16°36'30	0♊24	13°14	21° 9	0°25	8°44	2♈30	14♈39	0°33	7♐40	25♈10	25°46	27°13	5° 0	M 2
T 3	21 16 5	17°34'18	12°16	13°53	22°21	0°33	8°45	2°28	14°38	0°35	7°40	25° 7	25°43	27°20	5° 8	T 3
W 4	21 20 2	18°32'08	24°17	14°27	23°33	0°42	8°46	2°25	14°37	0°37	7°39	25° 2	25°40	27°27	5°15	W 4
T 5	21 23 58	19°30'00	6♋30	14°58	24°44	0°52	8°47	2°22	14°36	0°39	7°39	24°54	25°37	27°33	5°23	T 5
F 6	21 27 55	20°27'53	18°58	15°23	25°56	1° 2	8°49	2°20	14°35	0°41	7°39	24°44	25°33	27°40	5°30	F 6
S 7	21 31 51	21°25'48	1♌43	15°45	27° 7	1°13	8°50	2°17	14°34	0°43	7°39	24°34	25°30	27°47	5°37	S 7
S 8	21 35 48	22°23'45	14°45	16° 1	28°18	1°25	8°52	2°14	14°33	0°45	7°39	24°23	25°27	27°53	5°45	S 8
M 9	21 39 45	23°21'43	28° 3	16°12	29°30	1°38	8°54	2°11	14°32	0°48	7°39	24°13	25°24	28° 0	5°52	M 9
T 10	21 43 41	24°19'43	11♍35	16°R18	0♎41	1°51	8°56	2° 7	14°30	0°50	7°39	24° 5	25°21	28° 7	5°59	T 10
W11	21 47 38	25°17'44	25°19	16°18	1°52	2° 5	8°59	2° 4	14°29	0°52	7°D39	23°59	25°18	28°13	6° 7	W11
T 12	21 51 34	26°15'47	9♎12	16°12	3° 4	2°20	9° 1	2° 1	14°28	0°54	7°39	23°56	25°14	28°20	6°14	T 12
F 13	21 55 31	27°13'51	23°12	16° 0	4°15	2°35	9° 4	1°58	14°26	0°56	7°39	23°D55	25°11	28°27	6°21	F 13
S 14	21 59 27	28°11'57	7♏16	15°42	5°26	2°52	9° 7	1°54	14°25	0°58	7°39	23°55	25° 8	28°33	6°29	S 14
S 15	22 3 24	29°10'04	21°23	15°17	6°37	3° 8	9°10	1°51	14°23	1° 0	7°39	23°56	25° 5	28°40	6°36	S 15
M16	22 7 20	0♍ 8'13	5♐32	14°46	7°48	3°26	9°13	1°47	14°22	1° 2	7°39	23°R56	25° 2	28°47	6°43	M16
T 17	22 11 17	1° 6'23	19°41	14°10	8°59	3°44	9°17	1°43	14°20	1° 4	7°39	23°55	24°59	28°53	6°50	T 17
W18	22 15 14	2° 4'35	3♑50	13°27	10°10	4° 2	9°20	1°40	14°19	1° 6	7°39	23°51	24°55	29° 0	6°57	W18
T 19	22 19 10	3° 2'48	17°54	12°39	11°21	4°22	9°24	1°36	14°17	1° 8	7°39	23°45	24°52	29° 7	7° 5	T 19
F 20	22 23 7	4° 1'03	1♒51	11°47	12°31	4°42	9°28	1°32	14°15	1°10	7°40	23°38	24°49	29°13	7°12	F 20
S 21	22 27 3	4°59'19	15°38	10°51	13°42	5° 2	9°32	1°28	14°14	1°12	7°40	23°30	24°46	29°20	7°19	S 21
S 22	22 31 0	5°57'37	29°11	9°52	14°53	5°23	9°36	1°24	14°12	1°14	7°40	23°22	24°43	29°27	7°26	S 22
M23	22 34 56	6°55'57	12♓27	8°51	16° 3	5°44	9°41	1°20	14°10	1°15	7°41	23°15	24°39	29°33	7°33	M23
T 24	22 38 53	7°54'19	25°26	7°50	17°14	6° 6	9°45	1°16	14° 8	1°17	7°41	23°10	24°36	29°40	7°40	T 24
W25	22 42 49	8°52'42	8♈ 6	6°50	18°24	6°29	9°50	1°12	14° 7	1°19	7°42	23° 7	24°33	29°47	7°47	W25
T 26	22 46 46	9°51'08	20°29	5°53	19°34	6°52	9°55	1° 8	14° 5	1°21	7°42	23°D 6	24°30	29°53	7°54	T 26
F 27	22 50 43	10°49'36	2♉37	5° 0	20°45	7°16	10° 0	1° 3	14° 3	1°23	7°42	23° 6	24°27	0♊ 0	8° 0	F 27
S 28	22 54 39	11°48'06	14°35	4°11	21°55	7°40	10° 5	0°59	14° 1	1°25	7°43	23° 7	24°24	0° 7	8° 7	S 28
S 29	22 58 36	12°46'38	26°26	3°30	23° 5	8° 4	10°11	0°55	13°59	1°26	7°44	23° 9	24°20	0°13	8°14	S 29
M30	23 2 32	13°45'12	8♊16	2°55	24°15	8°29	10°16	0°50	13°57	1°28	7°44	23°R10	24°17	0°20	8°21	M30
T 31	23 6 29	14♍43'49	20♊ 9	2♍30	25♎25	8♑55	10♐22	0♈46	13♈55	1♌30	7♐45	23♈10	24♈14	0♊27	8♌27	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n13	19n22	2n 1	4n35	2s30	4n49	0n54	28s48	5s16	21s30	0n22	1s21	2s34	5n11	0s40	20n 1	0s 7	12s39	9n 8	9n47	10n 1	22n12	13n18	6s 0
M 2	15 55	23 11	2 56	4 9	2 40	4 19	0 52	28 46	5 14	21 30	0 21	1 22	2 35	5 11	0 40	20 0	0 7	12 40	9 8	9 47	10 0	22 14	13 16	6 0
T 3	15 38	26 3	3 43	3 45	2 51	3 48	0 49	28 44	5 12	21 30	0 21	1 23	2 35	5 10	0 40	20 0	0 7	12 40	9 8	9 45	9 59	22 16	13 14	6 0
W 4	15 20	27 46	4 21	3 22	3 1	3 17	0 46	28 42	5 9	21 31	0 21	1 24	2 35	5 10	0 40	19 59	0 7	12 40	9 7	9 44	9 58	22 19	13 12	6 0
T 5	15 2	28 10	4 48	3 1	3 11	2 46	0 43	28 39	5 7	21 31	0 21	1 26	2 35	5 9	0 40	19 59	0 7	12 41	9 7	9 41	9 56	22 21	13 11	6 0
F 6	14 44	27 10	5 2	2 42	3 21	2 15	0 41	28 37	5 5	21 31	0 21	1 27	2 36	5 9	0 40	19 59	0 7	12 41	9 6	9 37	9 55	22 23	13 9	6 0
S 7	14 25	24 45	5 1	2 25	3 30	1 44	0 38	28 35	5 3	21 32	0 20	1 28	2 36	5 9	0 41	19 58	0 7	12 41	9 6	9 33	9 54	22 26	13 7	6 0
S 8	14 6	21 1	4 45	2 10	3 39	1 12	0 35	28 33	5 1	21 32	0 20	1 30	2 36	5 8	0 41	19 58	0 7	12 42	9 6	9 29	9 53	22 28	13 5	6 1
M 9	13 47	16 9	4 13	1 58	3 48	0 41	0 32	28 30	4 58	21 33	0 20	1 31	2 36	5 8	0 41	19 57	0 7	12 42	9 5	9 26	9 52	22 30	13 3	6 1
T 10	13 28	10 25	3 26	1 49	3 55	0 10	0 29	28 28	4 56	21 33	0 20	1 33	2 36	5 7	0 41	19 57	0 7	12 43	9 5	9 23	9 51	22 32	13 1	6 1
W11	13 9	4 7	2 27	1 42	4 2	0s21	0 26	28 25	4 54	21 34	0 20	1 34	2 37	5 7	0 41	19 56	0 7	12 43	9 5	9 20	9 49	22 35	12 59	6 1
T 12	12 49	2s28	1 18	1 39	4 9	0 53	0 22	28 23	4 52	21 34	0 20	1 36	2 37	5 6	0 41	19 56	0 7	12 43	9 4	9 19	9 48	22 37	12 57	6 1
F 13	12 29	8 59	0 4	1 39	4 14	1 24	0 19	28 20	4 49	21 35	0 19	1 37	2 37	5 5	0 41	19 55	0 7	12 44	9 4	9 19	9 47	22 39	12 55	6 1
S 14	12 9	15 7	1s11	1 42	4 18	1 55	0 16	28 17	4 47	21 36	0 19	1 39	2 37	5 5	0 41	19 55	0 7	12 44	9 3	9 19	9 46	22 41	12 53	6 2
S 15	11 49	20 28	2 22	1 49	4 21	2 27	0 13	28 14	4 44	21 36	0 19	1 40	2 37	5 4	0 41	19 55	0 7	12 44	9 3	9 19	9 45	22 43	12 52	6 2
M16	11 28	24 40	3 24	1 59	4 23	2 58	0 9	28 12	4 42	21 37	0 19	1 42	2 38	5 4	0 41	19 54	0 7	12 45	9 3	9 19	9 44	22 46	12 50	6 2
T 17	11 8	27 21	4 14	2 13	4 23	3 29	0 6	28 9	4 40	21 38	0 19	1 43	2 38	5 3	0 41	19 54	0 7	12 45	9 2	9 19	9 42	22 48	12 48	6 2
W18	10 47	28 17	4 48	2 31	4 21	4 0	0 2	28 6	4 37	21 38	0 18	1 45	2 38	5 2	0 41	19 53	0 7	12 46	9 2	9 18	9 41	22 50	12 46	6 2
T 19	10 26	27 22	5 5	2 52	4 18	4 31	0s 1	28 2	4 35	21 39	0 18	1 47	2 38	5 2	0 41	19 53	0 7	12 46	9 1	9 15	9 40	22 52	12 44	6 3
F 20	10 5	24 45	5 4	3 17	4 12	5 2	0 5	27 59	4 32	21 40	0 18	1 48	2 38	5 1	0 41	19 52	0 7	12 47	9 1	9 13	9 39	22 54	12 42	6 3
S 21	9 43	20 44	4 45	3 45	4 5	5 33	0 8	27 56	4 30	21 41	0 18	1 50	2 39	5 0	0 41	19 52	0 7	12 47	9 1	9 10	9 38	22 57	12 40	6 3
S 22	9 22	15 42	4 10	4 16	3 56	6 4	0 12	27 53	4 27	21 41	0 18	1 52	2 39	5 0	0 41	19 52	0 7	12 47	9 0	9 7	9 37	22 59	12 38	6 3
M23	9 0	10 1	3 22	4 49	3 45	6 35	0 16	27 49	4 25	21 42	0 18	1 54	2 39	4 59	0 41	19 51	0 7	12 48	9 0	9 4	9 35	23 1	12 36	6 4
T 24	8 38	4 2	2 24	5 23	3 32	7 5	0 19	27 46	4 22	21 43	0 17	1 55	2 39	4 58	0 41	19 51	0 7	12 48	8 59	9 2	9 34	23 3	12 34	6 4
W25	8 16	2n 0	1 20	5 59	3 17	7 36	0 23	27 42	4 20	21 44	0 17	1 57	2 39	4 58	0 41	19 50	0 7	12 49	8 59	9 1	9 33	23 5	12 32	6 4
T 26	7 54	7 49	0 14	6 35	3 1	8 6	0 27	27 39	4 17	21 45	0 17	1 59	2 39	4 57	0 41	19 50	0 7	12 49	8 59	9 1	9 32	23 8	12 30	6 4
F 27	7 32	13 14	0n52	7 11	2 43	8 36	0 31	27 35	4 15	21 46	0 17	2 1	2 39	4 56	0 41	19 50	0 7	12 50	8 58	9 1	9 31	23 10	12 28	6 5
S 28	7 10	18 6	1 54	7 46	2 25	9 6	0 34	27 31	4 12	21 47	0 17	2 3	2 40	4 55	0 41	19 49	0 7	12 50	8 58	9 1	9 30	23 12	12 26	6 5
S 29	6 47	22 13	2 51	8 19	2 6	9 36	0 38	27 27	4 10	21 48	0 17	2 5	2 40	4 54	0 41	19 49	0 7	12 51	8 57	9 2	9 28	23 14	12 24	6 5
M30	6 25	25 25	3 41	8 50	1 46	10 6	0 42	27 23	4 7	21 49	0 16	2 6	2 40	4 54	0 41	19 48	0 7	12 51	8 57	9 2	9 27	23 16	12 22	6 5
T 31	6n 2	27n31	4n21	9n17	1s26	10s35	0s46	27s18	4s 5	21s50	0n16	2s 8	2s40	4n53	0s41	19n48	0s 7	12s52	8n57	9n 2	9n26	23n18	12n20	6s 6

Julian Day Number = 2181485.5, Delta T = 11m28s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'43, Lahiri = 13°32'44 Julian Calendar 1 Aug. 1260 == Greg. Calendar 8 Aug. 1260

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ASTRODIENST EPHEMERIS for the year 1260
geocentric

SEPTEMBER 1260 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 10 25	15♍42'28	2♋11	2°R13	26♎35	9♑21	10♐28	0°R41	13°R53	1♘32	7♐45	23°R 9	24♈11	0♊33	8♘34	W 1
T 2	23 14 22	16°41'09	14°26	2°D 6	27°45	9°47	10°34	0♈37	13♈51	1°33	7°46	23♈ 6	24° 8	0°40	8°41	T 2
F 3	23 18 18	17°39'53	26°58	2♍ 9	28°55	10°14	10°40	0°32	13°49	1°35	7°47	23° 1	24° 4	0°47	8°47	F 3
S 4	23 22 15	18°38'38	9♘50	2°21	0♏ 5	10°41	10°47	0°28	13°46	1°37	7°48	22°56	24° 1	0°53	8°54	S 4
S 5	23 26 12	19°37'26	23° 3	2°43	1°15	11° 9	10°53	0°23	13°44	1°38	7°48	22°50	23°58	1° 0	9° 0	S 5
M 6	23 30 8	20°36'16	6♍37	3°15	2°24	11°37	11° 0	0°19	13°42	1°40	7°49	22°45	23°55	1° 7	9° 7	M 6
T 7	23 34 5	21°35'08	20°31	3°56	3°34	12° 5	11° 7	0°14	13°40	1°42	7°50	22°41	23°52	1°13	9°13	T 7
W 8	23 38 1	22°34'02	4♎39	4°45	4°43	12°34	11°14	0° 9	13°38	1°43	7°51	22°38	23°49	1°20	9°19	W 8
T 9	23 41 58	23°32'58	18°59	5°42	5°52	13° 3	11°21	0° 5	13°35	1°45	7°52	22°D37	23°45	1°27	9°26	T 9
F 10	23 45 54	24°31'56	3♏25	6°46	7° 2	13°33	11°28	29♓59	13°33	1°46	7°53	22°37	23°42	1°34	9°32	F 10
S 11	23 49 51	25°30'56	17°51	7°57	8°11	14° 3	11°35	29°55	13°31	1°48	7°54	22°39	23°39	1°40	9°38	S 11
S 12	23 53 47	26°29'58	2♐14	9°14	9°20	14°33	11°43	29°50	13°29	1°49	7°55	22°40	23°36	1°47	9°44	S 12
M13	23 57 44	27°29'01	16°31	10°36	10°29	15° 4	11°51	29°46	13°26	1°51	7°56	22°41	23°33	1°54	9°50	M13
T 14	0 1 41	28°28'07	0♑39	12° 3	11°38	15°34	11°58	29°41	13°24	1°52	7°57	22°R42	23°30	2° 0	9°56	T 14
W15	0 5 37	29°27'14	14°37	13°33	12°47	16° 6	12° 6	29°36	13°22	1°53	7°58	22°41	23°26	2° 7	10° 2	W15
T 16	0 9 34	0♎26'23	28°23	15° 7	13°55	16°37	12°15	29°32	13°19	1°55	7°59	22°39	23°23	2°14	10° 8	T 16
F 17	0 13 30	1°25'33	11♒57	16°44	15° 4	17° 9	12°23	29°27	13°17	1°56	8° 0	22°36	23°20	2°20	10°14	F 17
S 18	0 17 27	2°24'46	25°18	18°22	16°12	17°41	12°31	29°22	13°15	1°57	8° 1	22°33	23°17	2°27	10°19	S 18
S 19	0 21 23	3°24'00	8♓25	20° 3	17°21	18°14	12°40	29°17	13°12	1°59	8° 3	22°30	23°14	2°34	10°25	S 19
M20	0 25 20	4°23'16	21°18	21°45	18°29	18°47	12°48	29°13	13°10	2° 0	8° 4	22°28	23°10	2°40	10°31	M20
T 21	0 29 16	5°22'35	3♈58	23°28	19°37	19°20	12°57	29° 8	13° 7	2° 1	8° 5	22°26	23° 7	2°47	10°36	T 21
W22	0 33 13	6°21'55	16°24	25°11	20°45	19°53	13° 6	29° 3	13° 5	2° 2	8° 6	22°D25	23° 4	2°54	10°42	W22
T 23	0 37 9	7°21'17	28°38	26°56	21°53	20°27	13°15	28°59	13° 2	2° 3	8° 8	22°25	23° 1	3° 0	10°47	T 23
F 24	0 41 6	8°20'42	10♉41	28°40	23° 1	21° 0	13°24	28°54	13° 0	2° 5	8° 9	22°26	22°58	3° 7	10°53	F 24
S 25	0 45 3	9°20'09	22°37	0♎25	24° 8	21°34	13°33	28°49	12°58	2° 6	8°10	22°27	22°55	3°14	10°58	S 25
S 26	0 48 59	10°19'38	4♊27	2° 9	25°16	22° 9	13°42	28°45	12°55	2° 7	8°12	22°28	22°51	3°20	11° 3	S 26
M27	0 52 56	11°19'10	16°16	3°54	26°23	22°43	13°52	28°40	12°53	2° 8	8°13	22°30	22°48	3°27	11° 8	M27
T 28	0 56 52	12°18'44	28° 9	5°38	27°30	23°18	14° 1	28°36	12°50	2° 9	8°15	22°30	22°45	3°34	11°13	T 28
W29	1 0 49	13°18'20	10♋ 9	7°22	28°37	23°53	14°11	28°31	12°48	2°10	8°16	22°R31	22°42	3°40	11°18	W29
T 30	1 4 45	14♎17'58	22♋22	9♎ 5	29♏44	24♑28	14♐21	28♓27	12♈45	2♘11	8♐18	22♈31	22♈39	3♊47	11♘23	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n39	28n22	4n51	9n42	1s 7	11s 4	0s50	27s14	4s 2	21s51	0n16	2s10	2s40	4n52	0s41	19n48	0s 7	12s52	8n56	9n 2	9n25	23n20	12n18	6s 6
T 2	5 17	27 51	5 8	10 2	0 47	11 33	0 54	27 10	4 0	21 52	0 16	2 12	2 40	4 51	0 41	19 47	0 7	12 53	8 56	9 1	9 24	23 22	12 16	6 6
F 3	4 54	25 56	5 11	10 18	0 29	12 2	0 58	27 5	3 57	21 53	0 16	2 14	2 40	4 50	0 41	19 47	0 7	12 53	8 55	8 59	9 23	23 25	12 14	6 7
S 4	4 31	22 38	4 58	10 31	0 11	12 30	1 1	27 0	3 55	21 54	0 16	2 16	2 40	4 50	0 41	19 47	0 6	12 54	8 55	8 57	9 21	23 27	12 12	6 7
S 5	4 7	18 8	4 30	10 38	0n 6	12 59	1 5	26 56	3 52	21 55	0 15	2 18	2 40	4 49	0 41	19 46	0 6	12 54	8 55	8 55	9 20	23 29	12 10	6 7
M 6	3 44	12 36	3 45	10 41	0 22	13 26	1 9	26 51	3 50	21 56	0 15	2 20	2 40	4 48	0 41	19 46	0 6	12 55	8 54	8 53	9 19	23 31	12 8	6 8
T 7	3 21	6 20	2 47	10 40	0 36	13 54	1 13	26 46	3 47	21 57	0 15	2 22	2 41	4 47	0 41	19 46	0 6	12 55	8 54	8 52	9 18	23 33	12 6	6 8
W 8	2 58	0s23	1 37	10 35	0 50	14 21	1 17	26 40	3 45	21 58	0 15	2 24	2 41	4 46	0 41	19 45	0 6	12 56	8 54	8 51	9 17	23 35	12 4	6 9
T 9	2 34	7 9	0 20	10 25	1 2	14 49	1 21	26 35	3 42	21 59	0 15	2 25	2 41	4 45	0 41	19 45	0 6	12 56	8 53	8 50	9 15	23 37	12 2	6 9
F 10	2 11	13 37	0s59	10 11	1 12	15 15	1 25	26 30	3 40	22 0	0 15	2 27	2 41	4 44	0 41	19 45	0 6	12 57	8 53	8 50	9 14	23 39	12 0	6 9
S 11	1 47	19 22	2 14	9 53	1 22	15 42	1 29	26 24	3 38	22 2	0 15	2 29	2 41	4 44	0 41	19 44	0 6	12 57	8 52	8 51	9 13	23 41	11 58	6 10
S 12	1 24	23 58	3 21	9 32	1 30	16 8	1 33	26 18	3 35	22 3	0 14	2 31	2 41	4 43	0 41	19 44	0 6	12 58	8 52	8 51	9 12	23 43	11 56	6 10
M13	1 0	27 4	4 14	9 7	1 37	16 33	1 37	26 12	3 33	22 4	0 14	2 33	2 41	4 42	0 41	19 44	0 6	12 58	8 52	8 52	9 11	23 45	11 54	6 11
T 14	0 37	28 24	4 52	8 39	1 43	16 59	1 41	26 6	3 30	22 5	0 14	2 35	2 41	4 41	0 41	19 43	0 6	12 59	8 51	8 52	9 10	23 47	11 52	6 11
W15	0 13	27 54	5 11	8 8	1 47	17 24	1 45	26 0	3 28	22 6	0 14	2 37	2 41	4 40	0 41	19 43	0 6	12 59	8 51	8 51	9 8	23 49	11 50	6 11
T 16	0s11	25 41	5 13	7 35	1 51	17 48	1 48	25 54	3 25	22 8	0 14	2 39	2 41	4 39	0 41	19 43	0 6	13 0	8 51	8 51	9 7	23 51	11 48	6 12
F 17	0 34	22 2	4 57	7 0	1 53	18 13	1 52	25 47	3 23	22 9	0 14	2 41	2 41	4 38	0 41	19 42	0 6	13 0	8 50	8 50	9 6	23 54	11 46	6 12
S 18	0 58	17 18	4 25	6 23	1 55	18 36	1 56	25 41	3 21	22 10	0 14	2 43	2 41	4 37	0 41	19 42	0 6	13 1	8 50	8 49	9 5	23 56	11 44	6 13
S 19	1 21	11 50	3 40	5 44	1 56	19 0	2 0	25 34	3 18	22 11	0 13	2 45	2 41	4 36	0 41	19 42	0 6	13 1	8 50	8 48	9 4	23 58	11 43	6 13
M20	1 45	5 58	2 43	5 4	1 56	19 22	2 3	25 27	3 16	22 12	0 13	2 47	2 41	4 35	0 41	19 42	0 6	13 2	8 49	8 47	9 3	24 0	11 41	6 14
T 21	2 9	0n 3	1 40	4 22	1 55	19 45	2 7	25 20	3 14	22 14	0 13	2 48	2 41	4 34	0 41	19 41	0 6	13 2	8 49	8 46	9 1	24 2	11 39	6 14
W22	2 32	5 58	0 33	3 39	1 54	20 7	2 11	25 13	3 11	22 15	0 13	2 50	2 41	4 33	0 41	19 41	0 6	13 3	8 48	8 46	9 0	24 4	11 37	6 15
T 23	2 56	11 34	0n34	2 56	1 51	20 28	2 14	25 5	3 9	22 16	0 13	2 52	2 41	4 32	0 41	19 41	0 6	13 4	8 48	8 46	8 59	24 6	11 35	6 15
F 24	3 19	16 40	1 39	2 12	1 49	20 50	2 18	24 58	3 6	22 17	0 13	2 54	2 41	4 31	0 41	19 41	0 6	13 4	8 48	8 46	8 58	24 8	11 33	6 15
S 25	3 43	21 4	2 40	1 27	1 46	21 10	2 22	24 50	3 4	22 19	0 13	2 56	2 41	4 30	0 41	19 40	0 6	13 5	8 47	8 46	8 57	24 10	11 31	6 16
S 26	4 6	24 36	3 32	0 42	1 42	21 30	2 25	24 42	3 2	22 20	0 12	2 58	2 41	4 30	0 41	19 40	0 6	13 5	8 47	8 47	8 55	24 11	11 29	6 16
M27	4 30	27 4	4 16	0s 3	1 38	21 50	2 28	24 34	3 0	22 21	0 12	2 59	2 41	4 29	0 41	19 40	0 6	13 6	8 47	8 47	8 54	24 13	11 27	6 17
T 28	4 53	28 21	4 49	0 49	1 34	22 9	2 32	24 26	2 57	22 23	0 12	3 1	2 41	4 28	0 41	19 40	0 6	13 6	8 46	8 48	8 53	24 15	11 26	6 17
W29	5 16	28 18	5 10	1 35	1 29	22 27	2 35	24 17	2 55	22 24	0 12	3 3	2 41	4 27	0 41	19 39	0 6	13 7	8 46	8 48	8 52	24 17	11 24	6 18
T 30	5s40	26n53	5n17	2s20	1n24	22s45	2s38	24s 9	2s53	22s25	0n12	3s 5	2s41	4n26	0s41	19n39	0s 6	13s 7	8n46	8n48	8n51	24n19	11n22	6s19

Julian Day Number = 2181516.5, Delta T = 11m28s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'48, Lahiri = 13°32'48 Julian Calendar 1 Sept. 1260 == Greg. Calendar 8 Sept. 1260

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ASTRODIENST EPHEMERIS for the year 1260
geocentric

OCTOBER 1260 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 8 42	15♎17'39	4♌52	10♎49	0♐51	25♑ 4	14♐31	28°R22	12°R43	2♌12	8♐19	22°R30	22♈36	3♊54	11♌28	F 1
S 2	1 12 38	16°17'22	17°42	12°31	1°57	25°39	14°41	28♓18	12♈40	2°12	8°21	22♈30	22°32	4° 0	11°33	S 2
S 3	1 16 35	17°17'08	0♍57	14°13	3° 4	26°15	14°51	28°13	12°38	2°13	8°22	22°29	22°29	4° 7	11°37	S 3
M 4	1 20 32	18°16'55	14°36	15°55	4°10	26°51	15° 1	28° 9	12°36	2°14	8°24	22°28	22°26	4°14	11°42	M 4
T 5	1 24 28	19°16'45	28°40	17°36	5°16	27°27	15°11	28° 5	12°33	2°15	8°26	22°28	22°23	4°20	11°47	T 5
W 6	1 28 25	20°16'36	13♎ 6	19°16	6°22	28° 4	15°22	28° 1	12°31	2°16	8°27	22°28	22°20	4°27	11°51	W 6
T 7	1 32 21	21°16'30	27°48	20°56	7°28	28°40	15°32	27°57	12°28	2°16	8°29	22°D28	22°16	4°34	11°55	T 7
F 8	1 36 18	22°16'26	12♏40	22°35	8°33	29°17	15°43	27°52	12°26	2°17	8°31	22°R28	22°13	4°40	12° 0	F 8
S 9	1 40 14	23°16'24	27°33	24°14	9°38	29°54	15°54	27°48	12°24	2°18	8°32	22°28	22°10	4°47	12° 4	S 9
S 10	1 44 11	24°16'23	12♐21	25°52	10°43	0♒31	16° 5	27°44	12°21	2°18	8°34	22°28	22° 7	4°54	12° 8	S 10
M11	1 48 7	25°16'25	26°56	27°30	11°48	1° 9	16°15	27°40	12°19	2°19	8°36	22°27	22° 4	5° 1	12°12	M11
T 12	1 52 4	26°16'28	11♑15	29° 7	12°53	1°46	16°26	27°37	12°16	2°20	8°38	22°27	22° 1	5° 7	12°16	T 12
W13	1 56 1	27°16'32	25°14	0♏44	13°57	2°24	16°38	27°33	12°14	2°20	8°39	22°D27	21°57	5°14	12°20	W13
T 14	1 59 57	28°16'38	8♒53	2°20	15° 2	3° 2	16°49	27°29	12°12	2°21	8°41	22°27	21°54	5°21	12°23	T 14
F 15	2 3 54	29°16'46	22°14	3°56	16° 5	3°40	17° 0	27°25	12° 9	2°21	8°43	22°28	21°51	5°27	12°27	F 15
S 16	2 7 50	0♏16'55	5♓16	5°32	17° 9	4°18	17°11	27°22	12° 7	2°21	8°45	22°28	21°48	5°34	12°31	S 16
S 17	2 11 47	1°17'06	18° 3	7° 7	18°13	4°56	17°23	27°18	12° 5	2°22	8°47	22°29	21°45	5°41	12°34	S 17
M18	2 15 43	2°17'18	0♈35	8°41	19°16	5°34	17°34	27°15	12° 3	2°22	8°49	22°30	21°42	5°47	12°37	M18
T 19	2 19 40	3°17'32	12°56	10°15	20°18	6°13	17°46	27°12	12° 0	2°23	8°51	22°31	21°38	5°54	12°41	T 19
W20	2 23 36	4°17'48	25° 8	11°49	21°21	6°51	17°58	27° 8	11°58	2°23	8°53	22°R31	21°35	6° 1	12°44	W20
T 21	2 27 33	5°18'05	7♉11	13°23	22°23	7°30	18° 9	27° 5	11°56	2°23	8°55	22°30	21°32	6° 7	12°47	T 21
F 22	2 31 30	6°18'25	19° 8	14°56	23°25	8° 9	18°21	27° 2	11°54	2°23	8°57	22°29	21°29	6°14	12°50	F 22
S 23	2 35 26	7°18'46	1♊ 0	16°28	24°26	8°48	18°33	26°59	11°52	2°23	8°59	22°27	21°26	6°21	12°53	S 23
S 24	2 39 23	8°19'09	12°50	18° 1	25°28	9°27	18°45	26°56	11°50	2°24	9° 1	22°25	21°22	6°27	12°56	S 24
M25	2 43 19	9°19'34	24°39	19°33	26°28	10° 6	18°57	26°53	11°47	2°24	9° 3	22°22	21°19	6°34	12°58	M25
T 26	2 47 16	10°20'00	6♋33	21° 5	27°29	10°46	19° 9	26°50	11°45	2°24	9° 5	22°19	21°16	6°41	13° 1	T 26
W27	2 51 12	11°20'29	18°32	22°36	28°29	11°25	19°22	26°48	11°43	2°24	9° 7	22°17	21°13	6°47	13° 3	W27
T 28	2 55 9	12°20'59	0♌42	24° 8	29°29	12° 4	19°34	26°45	11°41	2°R24	9° 9	22°16	21°10	6°54	13° 6	T 28
F 29	2 59 5	13°21'32	13° 7	25°39	0♑28	12°44	19°46	26°43	11°39	2°24	9°11	22°D15	21° 7	7° 1	13° 8	F 29
S 30	3 3 2	14°22'06	25°51	27° 9	1°27	13°24	19°59	26°40	11°37	2°24	9°13	22°15	21° 3	7° 8	13°10	S 30
S 31	3 6 59	15♏22'42	8♍58	28♏40	2♑25	14♒ 4	20♐11	26♓38	11♈35	2♌24	9♐15	22♈17	21♈ 0	7♊14	13♌12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6s 3	24n 8	5n10	3s 6	1n18	23s 3	2s42	24s 0	2s50	22s26	0n12	3s 6	2s41	4n25	0s41	19n39	0s 6	13s 8	8n45	8n48	8n50	24n21	11n20	6s19
S 2	6 26	20 8	4 47	3 51	1 13	23 20	2 45	23 51	2 48	22 28	0 12	3 8	2 41	4 24	0 41	19 39	0 6	13 8	8 45	8 47	8 48	24 23	11 18	6 20
S 3	6 49	15 3	4 9	4 36	1 7	23 36	2 48	23 42	2 46	22 29	0 11	3 10	2 40	4 23	0 41	19 39	0 6	13 9	8 45	8 47	8 47	24 25	11 17	6 20
M 4	7 12	9 5	3 15	5 21	1 1	23 52	2 51	23 33	2 44	22 30	0 11	3 11	2 40	4 22	0 41	19 38	0 6	13 10	8 44	8 47	8 46	24 27	11 15	6 21
T 5	7 35	2 30	2 8	6 5	0 55	24 7	2 54	23 24	2 42	22 32	0 11	3 13	2 40	4 21	0 41	19 38	0 6	13 10	8 44	8 47	8 45	24 29	11 13	6 21
W 6	7 57	4s24	0 52	6 49	0 49	24 21	2 56	23 14	2 39	22 33	0 11	3 15	2 40	4 20	0 41	19 38	0 6	13 11	8 44	8 47	8 44	24 31	11 11	6 22
T 7	8 20	11 12	0s30	7 33	0 42	24 35	2 59	23 4	2 37	22 34	0 11	3 16	2 40	4 19	0 41	19 38	0 6	13 11	8 44	8 47	8 42	24 33	11 10	6 22
F 8	8 42	17 27	1 50	8 16	0 36	24 49	3 2	22 55	2 35	22 35	0 11	3 18	2 40	4 18	0 41	19 38	0 6	13 12	8 43	8 47	8 41	24 35	11 8	6 23
S 9	9 5	22 40	3 3	8 59	0 29	25 2	3 4	22 45	2 33	22 37	0 11	3 19	2 40	4 17	0 41	19 38	0 6	13 12	8 43	8 47	8 40	24 37	11 6	6 24
S 10	9 27	26 23	4 3	9 41	0 23	25 14	3 7	22 34	2 31	22 38	0 11	3 21	2 40	4 16	0 41	19 38	0 6	13 13	8 43	8 47	8 39	24 38	11 5	6 24
M11	9 49	28 17	4 47	10 22	0 16	25 25	3 9	22 24	2 29	22 39	0 10	3 22	2 40	4 15	0 41	19 37	0 6	13 13	8 42	8 46	8 38	24 40	11 3	6 25
T 12	10 11	28 14	5 11	11 3	0 10	25 36	3 12	22 13	2 26	22 40	0 10	3 24	2 40	4 15	0 41	19 37	0 6	13 14	8 42	8 46	8 36	24 42	11 1	6 25
W13	10 33	26 22	5 17	11 44	0 3	25 46	3 14	22 3	2 24	22 42	0 10	3 25	2 39	4 14	0 41	19 37	0 6	13 14	8 42	8 46	8 35	24 44	11 0	6 26
T 14	10 54	23 0	5 4	12 24	0s 4	25 56	3 16	21 52	2 22	22 43	0 10	3 26	2 39	4 13	0 41	19 37	0 6	13 15	8 42	8 46	8 34	24 46	10 58	6 26
F 15	11 16	18 30	4 36	13 3	0 11	26 5	3 18	21 41	2 20	22 44	0 10	3 28	2 39	4 12	0 41	19 37	0 6	13 16	8 41	8 47	8 33	24 48	10 56	6 27
S 16	11 37	13 14	3 53	13 41	0 17	26 14	3 20	21 30	2 18	22 45	0 10	3 29	2 39	4 11	0 41	19 37	0 6	13 16	8 41	8 47	8 32	24 50	10 55	6 28
S 17	11 58	7 30	3 0	14 19	0 24	26 21	3 21	21 19	2 16	22 47	0 10	3 30	2 39	4 10	0 41	19 37	0 6	13 17	8 41	8 47	8 30	24 51	10 53	6 28
M18	12 19	1 35	1 59	14 56	0 30	26 28	3 23	21 7	2 14	22 48	0 10	3 31	2 39	4 9	0 41	19 37	0 6	13 17	8 40	8 47	8 29	24 53	10 52	6 29
T 19	12 40	4n19	0 53	15 32	0 37	26 35	3 24	20 55	2 12	22 49	0 9	3 33	2 39	4 8	0 41	19 37	0 6	13 18	8 40	8 48	8 28	24 55	10 50	6 30
W20	13 0	9 59	0n14	16 8	0 43	26 41	3 26	20 44	2 10	22 50	0 9	3 34	2 38	4 8	0 41	19 37	0 6	13 18	8 40	8 48	8 27	24 57	10 49	6 30
T 21	13 21	15 14	1 20	16 43	0 50	26 46	3 27	20 32	2 8	22 51	0 9	3 35	2 38	4 7	0 41	19 37	0 6	13 19	8 40	8 48	8 26	24 59	10 47	6 31
F 22	13 41	19 51	2 22	17 16	0 56	26 50	3 28	20 20	2 6	22 52	0 9	3 36	2 38	4 6	0 41	19 37	0 6	13 19	8 39	8 47	8 25	25 1	10 46	6 31
S 23	14 1	23 39	3 17	17 49	1 2	26 54	3 29	20 7	2 4	22 54	0 9	3 37	2 38	4 5	0 41	19 36	0 6	13 20	8 39	8 46	8 23	25 2	10 45	6 32
S 24	14 20	26 27	4 3	18 22	1 8	26 57	3 30	19 55	2 2	22 55	0 9	3 38	2 38	4 4	0 41	19 36	0 6	13 20	8 39	8 45	8 22	25 4	10 43	6 33
M25	14 40	28 5	4 39	18 53	1 14	27 0	3 31	19 43	2 0	22 56	0 9	3 39	2 38	4 3	0 41	19 36	0 6	13 21	8 39	8 44	8 21	25 6	10 42	6 33
T 26	14 59	28 26	5 3	19 23	1 20	27 2	3 31	19 30	1 58	22 57	0 9	3 40	2 37	4 3	0 41	19 36	0 6	13 21	8 39	8 43	8 20	25 8	10 40	6 34
W27	15 18	27 26	5 15	19 53	1 26	27 3	3 32	19 17	1 56	22 58	0 9	3 41	2 37	4 2	0 41	19 36	0 6	13 22	8 38	8 43	8 19	25 9	10 39	6 35
T 28	15 36	25 9	5 12	20 21	1 31	27 4	3 32	19 4	1 54	22 59	0 8	3 42	2 37	4 1	0 41	19 36	0 6	13 22	8 38	8 42	8 17	25 11	10 38	6 35
F 29	15 55	21 39	4 55	20 49	1 37	27 4	3 32	18 51	1 52	23 0	0 8	3 43	2 37	4 0	0 41	19 36	0 6	13 23	8 38	8 42	8 16	25 13	10 37	6 36
S 30	16 13	17 4	4 23	21 15	1 42	27 3	3 32	18 38	1 50	23 1	0 8	3 43	2 37	4 0	0 41	19 36	0 6	13 24	8 38	8 42	8 15	25 15	10 35	6 37
S 31	16s31	11n35	3n36	21s41	1s47	27s 2	3s31	18s24	1s48	23s 2	0n 8	3s44	2s36	3n59	0s41	19n37	0s 6	13s24	8n37	8n42	8n14	25n16	10n34	6s37

Julian Day Number = 2181546.5, Delta T = 11m28s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'52, Lahiri = 13°32'52 Julian Calendar 1 Oct. 1260 == Greg. Calendar 8 Oct. 1260

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ASTRODIENST EPHEMERIS for the year 1260
geocentric

NOVEMBER 1260 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 10 55	16♏23'19	22♍31	0♐10	3♑23	14♒43	20♐24	26°R36	11°R34	2°R24	9♐17	22♈18	20♈57	7♊21	13♌14	M 1
T 2	3 14 52	17°23'59	6♎32	1°39	4°21	15°23	20°36	26♓34	11♈32	2♌23	9°19	22°20	20°54	7°28	13°16	T 2
W 3	3 18 48	18°24'40	20°59	3° 9	5°18	16° 3	20°49	26°32	11°30	2°23	9°22	22°R20	20°51	7°34	13°18	W 3
T 4	3 22 45	19°25'22	5♏49	4°38	6°14	16°44	21° 2	26°30	11°28	2°23	9°24	22°20	20°47	7°41	13°20	T 4
F 5	3 26 41	20°26'07	20°56	6° 6	7°10	17°24	21°15	26°28	11°26	2°23	9°26	22°18	20°44	7°48	13°21	F 5
S 6	3 30 38	21°26'52	6♐ 9	7°34	8° 5	18° 4	21°27	26°26	11°25	2°23	9°28	22°14	20°41	7°54	13°23	S 6
S 7	3 34 34	22°27'39	21°20	9° 2	9° 0	18°44	21°40	26°24	11°23	2°22	9°30	22°10	20°38	8° 1	13°24	S 7
M 8	3 38 31	23°28'28	6♑18	10°29	9°54	19°25	21°53	26°23	11°21	2°22	9°32	22° 5	20°35	8° 8	13°25	M 8
T 9	3 42 28	24°29'17	20°54	11°55	10°48	20° 5	22° 6	26°22	11°20	2°21	9°35	22° 1	20°32	8°14	13°26	T 9
W10	3 46 24	25°30'07	5♒ 6	13°21	11°41	20°46	22°19	26°20	11°18	2°21	9°37	21°58	20°28	8°21	13°27	W10
T 11	3 50 21	26°30'58	18°51	14°46	12°33	21°27	22°32	26°19	11°17	2°21	9°39	21°56	20°25	8°28	13°28	T 11
F 12	3 54 17	27°31'50	2♓ 9	16°10	13°25	22° 7	22°45	26°18	11°15	2°20	9°41	21°D56	20°22	8°34	13°29	F 12
S 13	3 58 14	28°32'43	15° 4	17°32	14°15	22°48	22°59	26°17	11°14	2°20	9°44	21°57	20°19	8°41	13°30	S 13
S 14	4 2 10	29°33'37	27°39	18°54	15° 5	23°29	23°12	26°16	11°12	2°19	9°46	21°59	20°16	8°48	13°30	S 14
M15	4 6 7	0♐34'31	9♈59	20°13	15°54	24°10	23°25	26°15	11°11	2°18	9°48	22° 0	20°13	8°55	13°31	M15
T 16	4 10 3	1°35'27	22° 7	21°32	16°43	24°51	23°38	26°15	11°10	2°18	9°50	22°R 1	20° 9	9° 1	13°31	T 16
W17	4 14 0	2°36'23	4♉ 7	22°48	17°30	25°32	23°52	26°14	11° 8	2°17	9°53	22° 0	20° 6	9° 8	13°31	W17
T 18	4 17 57	3°37'20	16° 1	24° 1	18°17	26°13	24° 5	26°14	11° 7	2°16	9°55	21°57	20° 3	9°15	13°32	T 18
F 19	4 21 53	4°38'18	27°52	25°12	19° 2	26°54	24°19	26°13	11° 6	2°16	9°57	21°52	20° 0	9°21	13°R32	F 19
S 20	4 25 50	5°39'17	9♊43	26°20	19°47	27°35	24°32	26°13	11° 5	2°15	9°59	21°45	19°57	9°28	13°32	S 20
S 21	4 29 46	6°40'17	21°34	27°25	20°30	28°16	24°46	26°D13	11° 4	2°14	10° 2	21°37	19°53	9°35	13°31	S 21
M22	4 33 43	7°41'18	3♋27	28°25	21°13	28°58	24°59	26°13	11° 3	2°13	10° 4	21°27	19°50	9°41	13°31	M22
T 23	4 37 39	8°42'20	15°25	29°20	21°54	29°39	25°13	26°13	11° 2	2°13	10° 6	21°18	19°47	9°48	13°31	T 23
W24	4 41 36	9°43'23	27°28	0♑10	22°34	0♓20	25°26	26°13	11° 1	2°12	10° 8	21°10	19°44	9°55	13°30	W24
T 25	4 45 33	10°44'27	9♌41	0°54	23°13	1° 1	25°40	26°14	11° 0	2°11	10°11	21° 3	19°41	10° 1	13°30	T 25
F 26	4 49 29	11°45'32	22° 5	1°31	23°51	1°43	25°54	26°14	10°59	2°10	10°13	20°59	19°38	10° 8	13°29	F 26
S 27	4 53 26	12°46'37	4♍44	2° 0	24°27	2°24	26° 7	26°15	10°58	2° 9	10°15	20°57	19°34	10°15	13°28	S 27
S 28	4 57 22	13°47'44	17°43	2°20	25° 2	3° 6	26°21	26°15	10°57	2° 8	10°18	20°D56	19°31	10°22	13°27	S 28
M29	5 1 19	14°48'52	1♎ 5	2°30	25°36	3°47	26°35	26°16	10°57	2° 7	10°20	20°57	19°28	10°28	13°26	M29
T 30	5 5 15	15♐50'00	14♎53	2°R30	26♑ 8	4♓28	26♐48	26♓17	10♈56	2♌ 6	10♐22	20°R58	19♈25	10♊35	13♌25	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s48	5n23	2n37	22s 5	1s52	27s 0	3s31	18s11	1s47	23s 3	0n 8	3s45	2s36	3n58	0s41	19n37	0s 6	13s25	8n37	8n43	8n13	25n18	10n33	6s38
T 2	17 6	1s17	1 26	22 28	1 56	26 58	3 30	17 57	1 45	23 4	0 8	3 45	2 36	3 57	0 40	19 37	0 6	13 25	8 37	8 44	8 11	25 20	10 32	6 39
W 3	17 23	8 6	0 7	22 50	2 0	26 55	3 29	17 43	1 43	23 5	0 8	3 46	2 36	3 57	0 40	19 37	0 6	13 26	8 37	8 44	8 10	25 22	10 31	6 39
T 4	17 39	14 40	1s13	23 11	2 4	26 52	3 28	17 30	1 41	23 6	0 8	3 47	2 36	3 56	0 40	19 37	0 6	13 26	8 37	8 44	8 9	25 23	10 30	6 40
F 5	17 56	20 29	2 30	23 31	2 8	26 47	3 27	17 15	1 39	23 7	0 7	3 47	2 35	3 55	0 40	19 37	0 6	13 27	8 36	8 43	8 8	25 25	10 28	6 41
S 6	18 12	24 59	3 37	23 49	2 11	26 43	3 26	17 1	1 37	23 8	0 7	3 48	2 35	3 55	0 40	19 37	0 6	13 27	8 36	8 42	8 7	25 27	10 27	6 41
S 7	18 28	27 43	4 29	24 7	2 14	26 37	3 24	16 47	1 36	23 9	0 7	3 48	2 35	3 54	0 40	19 37	0 6	13 28	8 36	8 40	8 5	25 29	10 26	6 42
M 8	18 43	28 24	5 1	24 22	2 17	26 32	3 22	16 33	1 34	23 10	0 7	3 48	2 35	3 53	0 40	19 37	0 6	13 28	8 36	8 38	8 4	25 30	10 25	6 43
T 9	18 58	27 3	5 12	24 37	2 20	26 25	3 20	16 18	1 32	23 11	0 7	3 49	2 34	3 53	0 40	19 37	0 6	13 28	8 36	8 37	8 3	25 32	10 24	6 43
W10	19 13	23 59	5 4	24 50	2 21	26 18	3 18	16 3	1 30	23 12	0 7	3 49	2 34	3 52	0 40	19 37	0 6	13 29	8 36	8 36	8 2	25 34	10 24	6 44
T 11	19 27	19 39	4 39	25 2	2 23	26 11	3 15	15 49	1 29	23 13	0 7	3 49	2 34	3 52	0 40	19 37	0 6	13 29	8 35	8 35	8 1	25 35	10 23	6 45
F 12	19 41	14 28	3 59	25 12	2 24	26 3	3 13	15 34	1 27	23 14	0 7	3 50	2 34	3 51	0 40	19 37	0 6	13 30	8 35	8 35	7 59	25 37	10 22	6 45
S 13	19 55	8 47	3 8	25 21	2 25	25 55	3 10	15 19	1 25	23 14	0 7	3 50	2 34	3 51	0 40	19 38	0 6	13 30	8 35	8 35	7 58	25 39	10 21	6 46
S 14	20 8	2 54	2 9	25 28	2 25	25 46	3 7	15 4	1 23	23 15	0 7	3 50	2 33	3 50	0 40	19 38	0 6	13 31	8 35	8 36	7 57	25 40	10 20	6 47
M15	20 21	2n58	1 5	25 34	2 24	25 37	3 3	14 48	1 22	23 16	0 6	3 50	2 33	3 50	0 40	19 38	0 6	13 31	8 35	8 36	7 56	25 42	10 19	6 47
T 16	20 34	8 39	0n 1	25 38	2 23	25 27	2 59	14 33	1 20	23 17	0 6	3 50	2 33	3 49	0 40	19 38	0 6	13 32	8 35	8 37	7 55	25 44	10 19	6 48
W17	20 46	13 58	1 5	25 41	2 21	25 17	2 55	14 17	1 18	23 17	0 6	3 50	2 33	3 49	0 40	19 38	0 6	13 32	8 35	8 36	7 53	25 45	10 18	6 49
T 18	20 58	18 43	2 6	25 42	2 18	25 7	2 51	14 2	1 17	23 18	0 6	3 50	2 32	3 48	0 40	19 38	0 6	13 33	8 34	8 35	7 52	25 47	10 17	6 49
F 19	21 9	22 43	3 2	25 42	2 15	24 56	2 47	13 46	1 15	23 19	0 6	3 50	2 32	3 48	0 40	19 38	0 6	13 33	8 34	8 33	7 51	25 48	10 17	6 50
S 20	21 20	25 46	3 49	25 40	2 11	24 45	2 42	13 31	1 13	23 20	0 6	3 50	2 32	3 47	0 40	19 39	0 6	13 33	8 34	8 31	7 50	25 50	10 16	6 51
S 21	21 31	27 42	4 26	25 36	2 6	24 33	2 37	13 15	1 12	23 20	0 6	3 50	2 32	3 47	0 40	19 39	0 6	13 34	8 34	8 27	7 49	25 52	10 15	6 51
M22	21 41	28 22	4 52	25 31	2 0	24 21	2 32	12 59	1 10	23 21	0 6	3 49	2 31	3 47	0 40	19 39	0 6	13 34	8 34	8 24	7 47	25 53	10 15	6 52
T 23	21 51	27 42	5 5	25 25	1 52	24 9	2 26	12 43	1 9	23 21	0 6	3 49	2 31	3 46	0 40	19 39	0 6	13 35	8 34	8 20	7 46	25 55	10 14	6 53
W24	22 0	25 44	5 5	25 16	1 44	23 56	2 20	12 27	1 7	23 22	0 5	3 49	2 31	3 46	0 40	19 39	0 6	13 35	8 34	8 17	7 45	25 56	10 14	6 53
T 25	22 9	22 34	4 51	25 7	1 35	23 44	2 14	12 11	1 6	23 23	0 5	3 48	2 31	3 46	0 40	19 40	0 6	13 36	8 34	8 15	7 44	25 58	10 13	6 54
F 26	22 17	18 21	4 23	24 56	1 24	23 30	2 7	11 54	1 4	23 23	0 5	3 48	2 30	3 45	0 40	19 40	0 6	13 36	8 34	8 13	7 43	25 59	10 13	6 55
S 27	22 25	13 15	3 42	24 43	1 12	23 17	2 0	11 38	1 2	23 24	0 5	3 48	2 30	3 45	0 40	19 40	0 6	13 36	8 34	8 12	7 41	26 1	10 13	6 55
S 28	22 33	7 27	2 49	24 30	0 59	23 4	1 53	11 22	1 1	23 24	0 5	3 47	2 30	3 45	0 40	19 40	0 6	13 37	8 33	8 12	7 40	26 3	10 12	6 56
M29	22 40	1 10	1 45	24 15	0 44	22 50	1 45	11 5	0 59	23 25	0 5	3 47	2 30	3 44	0 40	19 41	0 6	13 37	8 33	8 13	7 39	26 4	10 12	6 56
T 30	22s47	5s23	0n33	23s59	0s28	22s36	1s37	10s48	0s58	23s25	0n 5	3s46	2s29	3n44	0s40	19n41	0s 6	13s37	8n33	8n13	7n38	26n 6	10n12	6s57

Julian Day Number = 2181577.5, Delta T = 11m27s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°25'56, Lahiri = 13°32'56 Julian Calendar 1 Nov. 1260 == Greg. Calendar 8 Nov. 1260

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ASTRODIENST EPHEMERIS for the year 1260
geocentric

DECEMBER 1260 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 9 12	16♐51'09	29♎ 8	2°R19	26♑38	5♓10	27♐ 2	26♓18	10°R55	2°R 5	10♐24	20°R58	19♈22	10♊42	13°R24	W 1
T 2	5 13 8	17°52'19	13♏49	1♑57	27° 7	5°52	27°16	26°19	10♈55	2♌ 4	10°27	20♈56	19°19	10°48	13♌22	T 2
F 3	5 17 5	18°53'30	28°51	1°22	27°35	6°33	27°30	26°20	10°54	2° 3	10°29	20°51	19°15	10°55	13°21	F 3
S 4	5 21 2	19°54'41	14♐ 7	0°36	28° 0	7°15	27°44	26°22	10°54	2° 2	10°31	20°44	19°12	11° 2	13°19	S 4
S 5	5 24 58	20°55'53	29°26	29♐40	28°24	7°56	27°57	26°23	10°53	2° 0	10°33	20°35	19° 9	11° 8	13°18	S 5
M 6	5 28 55	21°57'05	14♑36	28°34	28°46	8°38	28°11	26°25	10°53	1°59	10°36	20°25	19° 6	11°15	13°16	M 6
T 7	5 32 51	22°58'17	29°28	27°20	29° 6	9°20	28°25	26°26	10°53	1°58	10°38	20°15	19° 3	11°22	13°14	T 7
W 8	5 36 48	23°59'30	13♒54	26° 1	29°24	10° 1	28°39	26°28	10°53	1°57	10°40	20° 7	18°59	11°28	13°12	W 8
T 9	5 40 44	25° 0'42	27°50	24°39	29°40	10°43	28°53	26°30	10°52	1°55	10°42	20° 2	18°56	11°35	13°10	T 9
F 10	5 44 41	26° 1'54	11♓16	23°17	29°54	11°25	29° 7	26°32	10°52	1°54	10°45	19°59	18°53	11°42	13° 8	F 10
S 11	5 48 37	27° 3'06	24°14	21°58	0♒ 6	12° 6	29°21	26°34	10°52	1°53	10°47	19°D58	18°50	11°49	13° 5	S 11
S 12	5 52 34	28° 4'17	6♈48	20°44	0°15	12°48	29°35	26°36	10°D52	1°52	10°49	19°58	18°47	11°55	13° 3	S 12
M13	5 56 31	29° 5'29	19° 4	19°37	0°22	13°30	29°48	26°39	10°52	1°50	10°51	19°R58	18°44	12° 2	13° 0	M13
T 14	6 0 27	0♉ 6'40	1♉ 6	18°39	0°27	14°12	0♉ 2	26°41	10°52	1°49	10°53	19°57	18°40	12° 9	12°58	T 14
W15	6 4 24	1° 7'51	13° 0	17°50	0°R29	14°54	0°16	26°43	10°52	1°47	10°56	19°55	18°37	12°15	12°55	W15
T 16	6 8 20	2° 9'02	24°50	17°11	0°29	15°35	0°30	26°46	10°52	1°46	10°58	19°50	18°34	12°22	12°53	T 16
F 17	6 12 17	3°10'13	6♊39	16°43	0°26	16°17	0°44	26°49	10°53	1°45	11° 0	19°41	18°31	12°29	12°50	F 17
S 18	6 16 13	4°11'24	18°30	16°25	0°21	16°59	0°58	26°52	10°53	1°43	11° 2	19°30	18°28	12°35	12°47	S 18
S 19	6 20 10	5°12'34	0♋25	16°D16	0°13	17°41	1°12	26°54	10°53	1°42	11° 4	19°17	18°25	12°42	12°44	S 19
M20	6 24 7	6°13'44	12°25	16°17	0° 3	18°22	1°26	26°57	10°54	1°40	11° 6	19° 3	18°21	12°49	12°41	M20
T 21	6 28 3	7°14'54	24°31	16°26	29♑50	19° 4	1°40	27° 1	10°54	1°39	11° 8	18°48	18°18	12°56	12°38	T 21
W22	6 32 0	8°16'04	6♌45	16°43	29°35	19°46	1°54	27° 4	10°55	1°37	11°10	18°35	18°15	13° 2	12°34	W22
T 23	6 35 56	9°17'13	19° 8	17° 7	29°17	20°28	2° 7	27° 7	10°55	1°36	11°13	18°24	18°12	13° 9	12°31	T 23
F 24	6 39 53	10°18'23	1♍40	17°37	28°57	21°10	2°21	27°10	10°56	1°34	11°15	18°16	18° 9	13°16	12°28	F 24
S 25	6 43 49	11°19'32	14°24	18°14	28°35	21°51	2°35	27°14	10°56	1°33	11°17	18°11	18° 5	13°22	12°24	S 25
S 26	6 47 46	12°20'41	27°23	18°55	28°10	22°33	2°49	27°18	10°57	1°31	11°19	18° 9	18° 2	13°29	12°21	S 26
M27	6 51 42	13°21'49	10♎40	19°42	27°44	23°15	3° 3	27°21	10°58	1°29	11°21	18° 8	17°59	13°36	12°17	M27
T 28	6 55 39	14°22'58	24°17	20°32	27°15	23°57	3°17	27°25	10°58	1°28	11°23	18° 8	17°56	13°42	12°13	T 28
W29	6 59 36	15°24'06	8♏16	21°27	26°45	24°39	3°30	27°29	10°59	1°26	11°25	18° 7	17°53	13°49	12°10	W29
T 30	7 3 32	16°25'14	22°39	22°25	26°13	25°20	3°44	27°33	11° 0	1°25	11°27	18° 4	17°50	13°56	12° 6	T 30
F 31	7 7 29	17♑26'22	7♐23	23♐26	25♑39	26♓ 2	3♑58	27♓37	11♈ 1	1♌23	11♐29	17♈59	17♈46	14♊ 3	12♌ 2	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s53	11s53	0s44	23s42	0s11	22s22	1s29	10s32	0s56	23s25	0n 5	3s45	2s29	3n44	0s40	19n41	0s 6	13s38	8n33	8n13	7n36	26n 7	10n12	6s58
T 2	22 59	17 57	1 59	23 24	0n 7	22 8	1 20	10 15	0 55	23 26	0 5	3 45	2 29	3 44	0 40	19 41	0 6	13 38	8 33	8 12	7 35	26 9	10 11	6 58
F 3	23 4	23 2	3 8	23 5	0 26	21 54	1 11	9 58	0 54	23 26	0 5	3 44	2 29	3 44	0 39	19 42	0 6	13 39	8 33	8 10	7 34	26 10	10 11	6 59
S 4	23 9	26 38	4 5	22 46	0 46	21 39	1 2	9 41	0 52	23 27	0 4	3 43	2 28	3 44	0 39	19 42	0 6	13 39	8 33	8 8	7 33	26 12	10 11	6 59
S 5	23 14	28 16	4 44	22 26	1 6	21 25	0 52	9 25	0 51	23 27	0 4	3 42	2 28	3 43	0 39	19 42	0 6	13 39	8 33	8 4	7 32	26 13	10 11	7 0
M 6	23 18	27 44	5 2	22 6	1 26	21 11	0 42	9 8	0 49	23 27	0 4	3 42	2 28	3 43	0 39	19 42	0 6	13 40	8 33	8 0	7 30	26 15	10 11	7 1
T 7	23 21	25 14	5 0	21 45	1 45	20 56	0 32	8 51	0 48	23 27	0 4	3 41	2 28	3 43	0 39	19 43	0 6	13 40	8 33	7 57	7 29	26 16	10 11	7 1
W 8	23 24	21 9	4 38	21 25	2 3	20 42	0 21	8 33	0 46	23 28	0 4	3 40	2 27	3 43	0 39	19 43	0 6	13 40	8 33	7 54	7 28	26 18	10 11	7 2
T 9	23 27	16 2	4 1	21 6	2 20	20 27	0 9	8 16	0 45	23 28	0 4	3 39	2 27	3 43	0 39	19 43	0 6	13 41	8 33	7 52	7 27	26 19	10 11	7 2
F 10	23 29	10 18	3 11	20 48	2 34	20 13	0n 2	7 59	0 44	23 28	0 4	3 38	2 27	3 43	0 39	19 44	0 6	13 41	8 33	7 50	7 26	26 21	10 11	7 3
S 11	23 30	4 20	2 13	20 31	2 47	19 59	0 14	7 42	0 42	23 28	0 4	3 37	2 27	3 43	0 39	19 44	0 6	13 41	8 33	7 50	7 24	26 22	10 11	7 3
S 12	23 31	1n39	1 10	20 17	2 56	19 45	0 27	7 25	0 41	23 29	0 4	3 36	2 26	3 43	0 39	19 44	0 6	13 42	8 33	7 50	7 23	26 24	10 11	7 4
M13	23 32	7 25	0 5	20 5	3 4	19 31	0 40	7 7	0 40	23 29	0 4	3 34	2 26	3 43	0 39	19 44	0 6	13 42	8 33	7 50	7 22	26 25	10 11	7 4
T 14	23 32	12 50	0n59	19 55	3 9	19 17	0 53	6 50	0 38	23 29	0 4	3 33	2 26	3 43	0 39	19 45	0 6	13 42	8 33	7 50	7 21	26 26	10 12	7 5
W15	23 32	17 42	1 59	19 48	3 11	19 3	1 6	6 33	0 37	23 29	0 3	3 32	2 26	3 43	0 39	19 45	0 6	13 42	8 33	7 49	7 20	26 28	10 12	7 5
T 16	23 31	21 52	2 54	19 44	3 12	18 50	1 20	6 15	0 36	23 29	0 3	3 31	2 25	3 43	0 39	19 45	0 6	13 43	8 33	7 47	7 18	26 29	10 12	7 6
F 17	23 30	25 8	3 41	19 42	3 11	18 36	1 34	5 58	0 34	23 29	0 3	3 30	2 25	3 44	0 39	19 46	0 6	13 43	8 33	7 44	7 17	26 31	10 12	7 6
S 18	23 28	27 19	4 18	19 43	3 8	18 23	1 49	5 40	0 33	23 29	0 3	3 28	2 25	3 44	0 39	19 46	0 6	13 43	8 33	7 40	7 16	26 32	10 13	7 7
S 19	23 26	28 16	4 44	19 47	3 4	18 11	2 4	5 23	0 32	23 29	0 3	3 27	2 25	3 44	0 39	19 46	0 6	13 44	8 33	7 35	7 15	26 34	10 13	7 7
M20	23 23	27 54	4 58	19 52	2 58	17 58	2 18	5 5	0 31	23 29	0 3	3 25	2 25	3 44	0 39	19 47	0 6	13 44	8 33	7 29	7 13	26 35	10 14	7 8
T 21	23 20	26 12	4 58	19 59	2 52	17 46	2 34	4 47	0 29	23 29	0 3	3 24	2 24	3 44	0 39	19 47	0 6	13 44	8 33	7 24	7 12	26 36	10 14	7 8
W22	23 17	23 15	4 45	20 8	2 45	17 34	2 49	4 30	0 28	23 29	0 3	3 22	2 24	3 44	0 39	19 47	0 6	13 44	8 33	7 19	7 11	26 38	10 14	7 9
T 23	23 13	19 14	4 18	20 18	2 37	17 23	3 4	4 12	0 27	23 29	0 3	3 21	2 24	3 45	0 39	19 48	0 6	13 45	8 33	7 15	7 10	26 39	10 15	7 9
F 24	23 8	14 20	3 39	20 29	2 29	17 12	3 20	3 55	0 26	23 28	0 3	3 19	2 24	3 45	0 39	19 48	0 6	13 45	8 33	7 11	7 9	26 40	10 15	7 10
S 25	23 3	8 45	2 48	20 41	2 20	17 1	3 35	3 37	0 24	23 28	0 2	3 18	2 23	3 45	0 39	19 48	0 6	13 45	8 33	7 10	7 7	26 42	10 16	7 10
S 26	22 58	2 41	1 47	20 54	2 11	16 51	3 51	3 19	0 23	23 28	0 2	3 16	2 23	3 46	0 39	19 49	0 6	13 45	8 33	7 9	7 6	26 43	10 17	7 10
M27	22 52	3s38	0 39	21 7	2 2	16 41	4 6	3 2	0 22	23 28	0 2	3 14	2 23	3 46	0 39	19 49	0 5	13 45	8 33	7 8	7 5	26 45	10 17	7 11
T 28	22 45	9 57	0s32	21 20	1 53	16 32	4 21	2 44	0 21	23 28	0 2	3 13	2 23	3 46	0 39	19 50	0 5	13 46	8 33	7 8	7 4	26 46	10 18	7 11
W29	22 39	15 58	1 44	21 33	1 43	16 23	4 36	2 26	0 20	23 27	0 2	3 11	2 23	3 47	0 38	19 50	0 5	13 46	8 33	7 8	7 3	26 47	10 19	7 11
T 30	22 31	21 16	2 51	21 46	1 34	16 14	4 51	2 9	0 19	23 27	0 2	3 9	2 22	3 47	0 38	19 50	0 5	13 46	8 33	7 7	7 1	26 49	10 19	7 12
F 31	22s24	25s23	3s49	21s58	1n24	16s 6	5n 5	1s51	0s17	23s27	0n 2	3s 7	2s22	3n47	0s38	19n51	0s 5	13s46	8n33	7n 5	7n 0	26n50	10n20	7s12

Julian Day Number = 2181607.5, Delta T = 11m27s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'00, Lahiri = 13°33'01 Julian Calendar 1 Dec. 1260 == Greg. Calendar 8 Dec. 1260

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

JANUARY 1261 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 11 25	18♑27'30	22♐22	24♐30	25°R 5	26♓44	4♑12	27♓41	11♈ 2	1°R21	11♐30	17°R50	17♈43	14♊ 9	11°R58	S 1
S 2	7 15 22	19°28'37	7♑28	25°36	24♑29	27°26	4°25	27°45	11° 3	1♌20	11°32	17♈39	17°40	14°16	11♌54	S 2
M 3	7 19 18	20°29'43	22°33	26°44	23°53	28° 7	4°39	27°50	11° 4	1°18	11°34	17°27	17°37	14°23	11°50	M 3
T 4	7 23 15	21°30'48	7♒24	27°55	23°16	28°49	4°53	27°54	11° 5	1°16	11°36	17°15	17°34	14°29	11°46	T 4
W 5	7 27 11	22°31'53	21°53	29° 7	22°39	29°31	5° 6	27°58	11° 7	1°15	11°38	17° 5	17°31	14°36	11°42	W 5
T 6	7 31 8	23°32'56	5♓56	0♑22	22° 2	0♈13	5°20	28° 3	11° 8	1°13	11°40	16°57	17°27	14°43	11°37	T 6
F 7	7 35 5	24°33'59	19°29	1°37	21°26	0°54	5°33	28° 8	11° 9	1°11	11°42	16°52	17°24	14°49	11°33	F 7
S 8	7 39 1	25°35'00	2♈34	2°55	20°50	1°36	5°47	28°12	11°10	1°10	11°43	16°49	17°21	14°56	11°29	S 8
S 9	7 42 58	26°36'00	15°14	4°13	20°14	2°18	6° 0	28°17	11°12	1° 8	11°45	16°D49	17°18	15° 3	11°25	S 9
M10	7 46 54	27°36'59	27°33	5°33	19°40	3° 0	6°14	28°22	11°13	1° 6	11°47	16°R49	17°15	15°10	11°20	M10
T 11	7 50 51	28°37'56	9♉36	6°54	19° 7	3°41	6°27	28°27	11°15	1° 5	11°49	16°48	17°11	15°16	11°16	T 11
W12	7 54 47	29°38'52	21°30	8°16	18°35	4°23	6°41	28°32	11°16	1° 3	11°50	16°46	17° 8	15°23	11°11	W12
T 13	7 58 44	0♒39'47	3♊20	9°39	18° 5	5° 5	6°54	28°37	11°18	1° 1	11°52	16°42	17° 5	15°30	11° 7	T 13
F 14	8 2 40	1°40'41	15° 9	11° 4	17°37	5°46	7° 7	28°42	11°20	1° 0	11°54	16°35	17° 2	15°36	11° 2	F 14
S 15	8 6 37	2°41'33	27° 2	12°29	17°10	6°28	7°21	28°48	11°21	0°58	11°55	16°24	16°59	15°43	10°58	S 15
S 16	8 10 34	3°42'25	9♋ 2	13°55	16°46	7° 9	7°34	28°53	11°23	0°56	11°57	16°12	16°56	15°50	10°53	S 16
M17	8 14 30	4°43'14	21°10	15°22	16°24	7°51	7°47	28°59	11°25	0°55	11°58	15°59	16°52	15°56	10°49	M17
T 18	8 18 27	5°44'03	3♌28	16°50	16° 4	8°33	8° 0	29° 4	11°26	0°53	12° 0	15°45	16°49	16° 3	10°44	T 18
W19	8 22 23	6°44'50	15°57	18°19	15°47	9°14	8°13	29°10	11°28	0°51	12° 1	15°33	16°46	16°10	10°39	W19
T 20	8 26 20	7°45'36	28°36	19°49	15°32	9°56	8°26	29°15	11°30	0°49	12° 3	15°23	16°43	16°17	10°35	T 20
F 21	8 30 16	8°46'20	11♍25	21°20	15°20	10°37	8°39	29°21	11°32	0°48	12° 4	15°15	16°40	16°23	10°30	F 21
S 22	8 34 13	9°47'04	24°25	22°51	15°10	11°19	8°52	29°27	11°34	0°46	12° 6	15°11	16°37	16°30	10°26	S 22
S 23	8 38 9	10°47'46	7♎37	24°23	15° 3	12° 0	9° 5	29°32	11°36	0°44	12° 7	15° 9	16°33	16°37	10°21	S 23
M24	8 42 6	11°48'27	21° 1	25°56	14°58	12°42	9°18	29°38	11°38	0°43	12° 9	15°D 9	16°30	16°43	10°16	M24
T 25	8 46 3	12°49'07	4♏39	27°30	14°D55	13°23	9°31	29°44	11°40	0°41	12°10	15° 9	16°27	16°50	10°12	T 25
W26	8 49 59	13°49'45	18°33	29° 5	14°55	14° 4	9°44	29°50	11°42	0°39	12°11	15°R 9	16°24	16°57	10° 7	W26
T 27	8 53 56	14°50'23	2♐41	0♒41	14°58	14°46	9°56	29°56	11°45	0°38	12°13	15° 8	16°21	17° 4	10° 2	T 27
F 28	8 57 52	15°51'00	17° 5	2°17	15° 3	15°27	10° 9	0♈ 3	11°47	0°36	12°14	15° 4	16°17	17°10	9°58	F 28
S 29	9 1 49	16°51'35	1♑39	3°55	15°10	16° 8	10°22	0° 9	11°49	0°35	12°15	14°58	16°14	17°17	9°53	S 29
S 30	9 5 45	17°52'09	16°20	5°33	15°19	16°50	10°34	0°15	11°51	0°33	12°16	14°50	16°11	17°24	9°49	S 30
M31	9 9 42	18♒52'41	1♒ 1	7♒12	15♑31	17♈31	10♑46	0♈21	11♈54	0♌31	12♐18	14♈41	16♈ 8	17♊30	9♌44	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s16	27s50	4s31	22s11	1n15	15s59	5n19	1s33	0s16	23s27	0n 2	3s 6	2s22	3n48	0s38	19n51	0s 5	13s46	8n33	7n 1	6n59	26n51	10n21	7s12
S 2	22 7	28 14	4 55	22 22	1 5	15 52	5 32	1 16	0 15	23 26	0 2	3 4	2 22	3 48	0 38	19 51	0 5	13 47	8 34	6 57	6 58	26 52	10 22	7 13
M 3	21 58	26 33	4 59	22 34	0 56	15 45	5 45	0 58	0 14	23 26	0 2	3 2	2 21	3 49	0 38	19 52	0 5	13 47	8 34	6 53	6 56	26 54	10 22	7 13
T 4	21 49	23 2	4 42	22 44	0 47	15 40	5 57	0 40	0 13	23 25	0 1	3 0	2 21	3 49	0 38	19 52	0 5	13 47	8 34	6 48	6 55	26 55	10 23	7 13
W 5	21 39	18 9	4 7	22 54	0 38	15 34	6 8	0 23	0 12	23 25	0 1	2 58	2 21	3 50	0 38	19 53	0 5	13 47	8 34	6 44	6 54	26 56	10 24	7 13
T 6	21 28	12 26	3 18	23 3	0 29	15 29	6 19	0 5	0 11	23 25	0 1	2 56	2 21	3 50	0 38	19 53	0 5	13 47	8 34	6 41	6 53	26 58	10 25	7 14
F 7	21 18	6 18	2 19	23 11	0 20	15 25	6 29	0n13	0 10	23 24	0 1	2 54	2 21	3 51	0 38	19 53	0 5	13 47	8 34	6 39	6 52	26 59	10 26	7 14
S 8	21 7	0 7	1 15	23 19	0 12	15 21	6 38	0 30	0 9	23 24	0 1	2 52	2 20	3 51	0 38	19 54	0 5	13 47	8 34	6 38	6 50	27 0	10 27	7 14
S 9	20 55	5n53	0 8	23 25	0 3	15 18	6 47	0 48	0 8	23 23	0 1	2 50	2 20	3 52	0 38	19 54	0 5	13 48	8 34	6 38	6 49	27 1	10 28	7 14
M10	20 43	11 31	0n57	23 30	0s 5	15 15	6 54	1 6	0 7	23 23	0 1	2 48	2 20	3 52	0 38	19 54	0 5	13 48	8 34	6 38	6 48	27 3	10 29	7 14
T 11	20 31	16 36	1 58	23 34	0 13	15 13	7 1	1 23	0 6	23 22	0 1	2 45	2 20	3 53	0 38	19 55	0 5	13 48	8 34	6 38	6 47	27 4	10 30	7 14
W12	20 18	20 59	2 53	23 37	0 21	15 12	7 7	1 41	0 5	23 21	0 1	2 43	2 20	3 54	0 38	19 55	0 5	13 48	8 35	6 37	6 46	27 5	10 31	7 15
T 13	20 5	24 30	3 40	23 39	0 28	15 11	7 12	1 58	0 4	23 21	0 1	2 41	2 20	3 54	0 38	19 56	0 5	13 48	8 35	6 35	6 44	27 6	10 32	7 15
F 14	19 52	26 58	4 17	23 40	0 36	15 10	7 16	2 16	0 3	23 20	0 0	2 39	2 19	3 55	0 38	19 56	0 5	13 48	8 35	6 32	6 43	27 7	10 33	7 15
S 15	19 38	28 14	4 44	23 40	0 43	15 10	7 19	2 33	0 2	23 20	0 0	2 36	2 19	3 56	0 38	19 56	0 5	13 48	8 35	6 29	6 42	27 9	10 34	7 15
S 16	19 24	28 11	4 58	23 38	0 50	15 11	7 22	2 50	0 1	23 19	0 0	2 34	2 19	3 56	0 38	19 57	0 5	13 48	8 35	6 24	6 41	27 10	10 36	7 15
M17	19 10	26 48	5 0	23 35	0 56	15 11	7 23	3 8	0n 0	23 18	0 0	2 32	2 19	3 57	0 38	19 57	0 5	13 48	8 35	6 19	6 39	27 11	10 37	7 15
T 18	18 55	24 6	4 47	23 31	1 3	15 13	7 24	3 25	0 1	23 18	0 0	2 29	2 19	3 58	0 38	19 58	0 5	13 48	8 35	6 14	6 38	27 12	10 38	7 15
W19	18 40	20 15	4 20	23 25	1 9	15 14	7 25	3 42	0 2	23 17	0s 0	2 27	2 18	3 59	0 38	19 58	0 5	13 48	8 35	6 9	6 37	27 13	10 39	7 15
T 20	18 24	15 27	3 40	23 18	1 15	15 16	7 24	4 0	0 3	23 16	0 0	2 25	2 18	3 59	0 38	19 58	0 5	13 49	8 36	6 5	6 36	27 15	10 40	7 15
F 21	18 8	9 55	2 49	23 10	1 20	15 19	7 23	4 17	0 4	23 15	0 0	2 22	2 18	4 0	0 38	19 59	0 5	13 49	8 36	6 2	6 35	27 16	10 42	7 15
S 22	17 52	3 53	1 48	23 0	1 26	15 22	7 21	4 34	0 5	23 15	0 0	2 20	2 18	4 1	0 38	19 59	0 5	13 49	8 36	6 0	6 33	27 17	10 43	7 15
S 23	17 36	2s25	0 40	22 49	1 31	15 25	7 19	4 51	0 6	23 14	0 0	2 17	2 18	4 2	0 38	19 59	0 5	13 49	8 36	5 59	6 32	27 18	10 44	7 15
M24	17 19	8 43	0s31	22 37	1 36	15 28	7 17	5 8	0 7	23 13	0 1	2 15	2 18	4 3	0 38	20 0	0 5	13 49	8 36	5 59	6 31	27 19	10 45	7 15
T 25	17 2	14 44	1 42	22 23	1 40	15 31	7 13	5 25	0 8	23 12	0 1	2 12	2 17	4 4	0 38	20 0	0 5	13 49	8 36	6 0	6 30	27 20	10 47	7 15
W26	16 45	20 6	2 48	22 7	1 44	15 35	7 10	5 42	0 8	23 12	0 1	2 10	2 17	4 4	0 37	20 1	0 5	13 49	8 36	6 0	6 28	27 21	10 48	7 15
T 27	16 27	24 28	3 45	21 51	1 48	15 39	7 5	5 59	0 9	23 11	0 1	2 7	2 17	4 5	0 37	20 1	0 5	13 49	8 37	5 59	6 27	27 22	10 49	7 14
F 28	16 9	27 22	4 29	21 32	1 51	15 43	7 1	6 16	0 10	23 10	0 1	2 5	2 17	4 6	0 37	20 1	0 5	13 49	8 37	5 58	6 26	27 24	10 51	7 14
S 29	15 51	28 28	4 56	21 12	1 54	15 47	6 56	6 33	0 11	23 9	0 1	2 2	2 17	4 7	0 37	20 2	0 5	13 49	8 37	5 55	6 25	27 25	10 52	7 14
S 30	15 32	27 34	5 4	20 51	1 57	15 51	6 51	6 49	0 12	23 8	0 1	1 59	2 17	4 8	0 37	20 2	0 5	13 49	8 37	5 52	6 23	27 26	10 53	7 14
M31	15s14	24s46	4s52	20s28	2s 0	15s55	6n45	7n 6	0n13	23s 7	0s 1	1s57	2s17	4n 9	0s37	20n 2	0s 5	13s49	8n37	5n49	6n22	27n27	10n55	7s14

Julian Day Number = 2181638.5, Delta T = 11m27s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'04, Lahiri = 13°33'05 Julian Calendar 1 Jan. 1261 == Greg. Calendar 8 Jan. 1261

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

FEBRUARY 1261 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 13 39	19♒53'12	15♒32	8♒53	15♑45	18♈12	10♑59	0♈28	11♈56	0°R30	12♐19	14°R32	16♈ 5	17♊37	9°R40	T 1
W 2	9 17 35	20°53'42	29°49	10°34	16° 1	18°54	11°11	0°34	11°59	0♌28	12°20	14♈24	16° 2	17°44	9♌35	W 2
T 3	9 21 32	21°54'09	13♓44	12°16	16°18	19°35	11°23	0°41	12° 1	0°27	12°21	14°17	15°58	17°50	9°31	T 3
F 4	9 25 28	22°54'35	27°15	13°59	16°38	20°16	11°36	0°47	12° 4	0°25	12°22	14°14	15°55	17°57	9°26	F 4
S 5	9 29 25	23°54'59	10♈22	15°43	17° 0	20°57	11°48	0°54	12° 6	0°24	12°23	14°D12	15°52	18° 4	9°22	S 5
S 6	9 33 21	24°55'20	23° 5	17°27	17°23	21°39	12° 0	1° 0	12° 9	0°22	12°24	14°13	15°49	18°11	9°17	S 6
M 7	9 37 18	25°55'40	5♉28	19°13	17°48	22°20	12°12	1° 7	12°11	0°21	12°25	14°14	15°46	18°17	9°13	M 7
T 8	9 41 14	26°55'58	17°36	21° 0	18°15	23° 1	12°23	1°14	12°14	0°19	12°26	14°15	15°43	18°24	9° 9	T 8
W 9	9 45 11	27°56'14	29°32	22°48	18°44	23°42	12°35	1°21	12°16	0°18	12°27	14°R15	15°39	18°31	9° 4	W 9
T 10	9 49 7	28°56'28	11♊24	24°37	19°14	24°23	12°47	1°27	12°19	0°16	12°28	14°14	15°36	18°37	9° 0	T 10
F 11	9 53 4	29°56'40	23°15	26°27	19°45	25° 4	12°58	1°34	12°22	0°15	12°29	14°11	15°33	18°44	8°56	F 11
S 12	9 57 1	0♓56'49	5♋11	28°18	20°18	25°45	13°10	1°41	12°25	0°13	12°29	14° 7	15°30	18°51	8°52	S 12
S 13	10 0 57	1°56'57	17°14	0♓10	20°53	26°26	13°21	1°48	12°27	0°12	12°30	14° 0	15°27	18°58	8°48	S 13
M14	10 4 54	2°57'03	29°29	2° 3	21°28	27° 7	13°33	1°55	12°30	0°11	12°31	13°53	15°23	19° 4	8°44	M14
T 15	10 8 50	3°57'06	11♌57	3°56	22° 5	27°48	13°44	2° 2	12°33	0° 9	12°32	13°45	15°20	19°11	8°40	T 15
W16	10 12 47	4°57'08	24°40	5°51	22°44	28°29	13°55	2° 9	12°36	0° 8	12°32	13°38	15°17	19°18	8°36	W16
T 17	10 16 43	5°57'07	7♍37	7°47	23°23	29°10	14° 6	2°16	12°39	0° 7	12°33	13°33	15°14	19°24	8°32	T 17
F 18	10 20 40	6°57'04	20°48	9°43	24° 4	29°51	14°17	2°23	12°42	0° 5	12°33	13°29	15°11	19°31	8°28	F 18
S 19	10 24 36	7°57'00	4♎12	11°40	24°45	0♉32	14°28	2°30	12°45	0° 4	12°34	13°27	15° 8	19°38	8°24	S 19
S 20	10 28 33	8°56'54	17°47	13°37	25°28	1°13	14°39	2°38	12°48	0° 3	12°35	13°D26	15° 4	19°44	8°21	S 20
M21	10 32 30	9°56'45	1♏31	15°35	26°12	1°53	14°50	2°45	12°51	0° 2	12°35	13°27	15° 1	19°51	8°17	M21
T 22	10 36 26	10°56'36	15°25	17°34	26°56	2°34	15° 1	2°52	12°54	0° 0	12°36	13°29	14°58	19°58	8°14	T 22
W23	10 40 23	11°56'24	29°26	19°32	27°42	3°15	15°11	2°59	12°57	29♋59	12°36	13°30	14°55	20° 5	8°10	W23
T 24	10 44 19	12°56'11	13♐34	21°30	28°29	3°56	15°21	3° 7	13° 0	29°58	12°36	13°R31	14°52	20°11	8° 7	T 24
F 25	10 48 16	13°55'57	27°47	23°27	29°16	4°36	15°32	3°14	13° 3	29°57	12°37	13°30	14°49	20°18	8° 3	F 25
S 26	10 52 12	14°55'40	12♑ 2	25°24	0♒ 4	5°17	15°42	3°21	13° 6	29°56	12°37	13°28	14°45	20°25	8° 0	S 26
S 27	10 56 9	15°55'22	26°17	27°20	0°53	5°57	15°52	3°29	13° 9	29°55	12°38	13°25	14°42	20°31	7°57	S 27
M28	11 0 5	16♓55'02	10♒28	29♓14	1♒43	6♉38	16♑ 2	3♈36	13♈12	29♋54	12♐38	13♈21	14♈39	20♊38	7♌54	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s55	20s24	4s22	20s 4	2s 2	15s59	6n40	7n23	0n14	23s 6	0s 1	1s54	2s16	4n10	0s37	20n 3	0s 5	13s49	8n37	5n45	6n21	27n28	10n56	7s14
W 2	14 35	14 56	3 35	19 38	2 3	16 3	6 34	7 39	0 14	23 5	0 1	1 51	2 16	4 11	0 37	20 3	0 5	13 49	8 38	5 42	6 20	27 29	10 57	7 13
T 3	14 16	8 49	2 36	19 11	2 5	16 8	6 27	7 56	0 15	23 4	0 2	1 49	2 16	4 12	0 37	20 3	0 5	13 49	8 38	5 39	6 19	27 30	10 59	7 13
F 4	13 56	2 28	1 30	18 42	2 6	16 12	6 21	8 12	0 16	23 3	0 2	1 46	2 16	4 13	0 37	20 4	0 5	13 49	8 38	5 38	6 17	27 31	11 0	7 13
S 5	13 36	3n48	0 21	18 12	2 6	16 16	6 14	8 28	0 17	23 3	0 2	1 43	2 16	4 14	0 37	20 4	0 5	13 49	8 38	5 37	6 16	27 32	11 1	7 13
S 6	13 16	9 45	0n48	17 40	2 6	16 20	6 8	8 44	0 18	23 2	0 2	1 40	2 16	4 15	0 37	20 4	0 5	13 48	8 38	5 38	6 15	27 33	11 3	7 12
M 7	12 56	15 10	1 52	17 6	2 6	16 23	6 1	9 1	0 18	23 1	0 2	1 38	2 16	4 16	0 37	20 5	0 5	13 48	8 38	5 38	6 14	27 34	11 4	7 12
T 8	12 35	19 52	2 50	16 31	2 5	16 27	5 54	9 17	0 19	23 0	0 2	1 35	2 16	4 17	0 37	20 5	0 5	13 48	8 39	5 38	6 12	27 35	11 6	7 12
W 9	12 14	23 43	3 40	15 55	2 3	16 30	5 46	9 33	0 20	22 59	0 2	1 32	2 16	4 18	0 37	20 5	0 5	13 48	8 39	5 39	6 11	27 36	11 7	7 11
T 10	11 53	26 32	4 20	15 17	2 1	16 33	5 39	9 49	0 21	22 58	0 2	1 29	2 15	4 19	0 37	20 6	0 5	13 48	8 39	5 38	6 10	27 37	11 8	7 11
F 11	11 32	28 10	4 49	14 37	1 59	16 36	5 32	10 4	0 21	22 57	0 2	1 26	2 15	4 20	0 37	20 6	0 5	13 48	8 39	5 37	6 9	27 38	11 10	7 11
S 12	11 11	28 31	5 5	13 56	1 56	16 39	5 24	10 20	0 22	22 56	0 3	1 24	2 15	4 21	0 37	20 6	0 5	13 48	8 39	5 35	6 8	27 39	11 11	7 10
S 13	10 49	27 31	5 8	13 13	1 53	16 41	5 17	10 36	0 23	22 55	0 3	1 21	2 15	4 22	0 37	20 7	0 5	13 48	8 39	5 33	6 6	27 40	11 13	7 10
M14	10 28	25 11	4 57	12 29	1 49	16 43	5 9	10 51	0 24	22 53	0 3	1 18	2 15	4 24	0 37	20 7	0 5	13 48	8 40	5 30	6 5	27 41	11 14	7 10
T 15	10 6	21 38	4 33	11 44	1 45	16 45	5 2	11 7	0 24	22 52	0 3	1 15	2 15	4 25	0 37	20 7	0 5	13 48	8 40	5 27	6 4	27 42	11 16	7 9
W16	9 44	17 1	3 54	10 57	1 40	16 47	4 54	11 22	0 25	22 51	0 3	1 12	2 15	4 26	0 37	20 8	0 5	13 48	8 40	5 24	6 3	27 43	11 17	7 9
T 17	9 22	11 34	3 2	10 8	1 34	16 48	4 46	11 37	0 26	22 50	0 3	1 9	2 15	4 27	0 37	20 8	0 5	13 48	8 40	5 22	6 1	27 44	11 18	7 8
F 18	9 0	5 30	2 0	9 19	1 28	16 49	4 39	11 52	0 26	22 49	0 3	1 6	2 15	4 28	0 37	20 8	0 5	13 47	8 40	5 20	6 0	27 45	11 20	7 8
S 19	8 37	0s54	0 50	8 28	1 21	16 49	4 31	12 8	0 27	22 48	0 3	1 3	2 15	4 29	0 37	20 8	0 5	13 47	8 41	5 20	5 59	27 46	11 21	7 7
S 20	8 15	7 22	0s24	7 36	1 14	16 49	4 23	12 22	0 28	22 47	0 3	1 0	2 15	4 31	0 37	20 9	0 5	13 47	8 41	5 20	5 58	27 47	11 22	7 7
M21	7 52	13 34	1 37	6 43	1 6	16 49	4 16	12 37	0 28	22 46	0 4	0 58	2 14	4 32	0 37	20 9	0 5	13 47	8 41	5 20	5 56	27 48	11 24	7 6
T 22	7 30	19 10	2 46	5 49	0 57	16 48	4 8	12 52	0 29	22 45	0 4	0 55	2 14	4 33	0 37	20 9	0 5	13 47	8 41	5 21	5 55	27 48	11 25	7 6
W23	7 7	23 46	3 45	4 54	0 48	16 47	4 0	13 7	0 30	22 44	0 4	0 52	2 14	4 34	0 37	20 10	0 5	13 47	8 41	5 21	5 54	27 49	11 27	7 5
T 24	6 44	27 0	4 31	3 59	0 39	16 45	3 53	13 21	0 30	22 43	0 4	0 49	2 14	4 35	0 37	20 10	0 5	13 47	8 42	5 21	5 53	27 50	11 28	7 5
F 25	6 21	28 32	5 1	3 3	0 28	16 43	3 45	13 36	0 31	22 42	0 4	0 46	2 14	4 37	0 37	20 10	0 5	13 47	8 42	5 21	5 52	27 51	11 29	7 4
S 26	5 58	28 11	5 13	2 6	0 18	16 41	3 37	13 50	0 32	22 41	0 4	0 43	2 14	4 38	0 37	20 10	0 5	13 46	8 42	5 20	5 50	27 52	11 31	7 4
S 27	5 34	25 58	5 5	1 10	0 7	16 38	3 30	14 4	0 32	22 40	0 4	0 40	2 14	4 39	0 37	20 11	0 5	13 46	8 42	5 19	5 49	27 53	11 32	7 3
M28	5s11	22s 9	4s39	0s14	0n 5	16s34	3n22	14n18	0n33	22s39	0s 4	0s37	2s14	4n40	0s37	20n11	0s 5	13s46	8n42	5n17	5n48	27n54	11n33	7s 3

Julian Day Number = 2181669.5, Delta T = 11m27s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'09, Lahiri = 13°33'09 Julian Calendar 1 Feb. 1261 == Greg. Calendar 8 Feb. 1261

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

MARCH 1261 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 4 2	17♓54'40	24♒31	1♈ 6	2♒34	7♉19	16♊12	3♈43	13♈15	29°R53	12♐38	13°R17	14♈36	20♎45	7°R51	T 1
W 2	11 7 59	18°54'16	8♓22	2°56	3°25	7°59	16°22	3°51	13°19	29♋52	12°38	13♈13	14°33	20°52	7♌48	W 2
T 3	11 11 55	19°53'50	21°57	4°44	4°17	8°40	16°32	3°58	13°22	29°51	12°38	13°11	14°29	20°58	7°45	T 3
F 4	11 15 52	20°53'22	5♈13	6°28	5° 9	9°20	16°41	4° 6	13°25	29°50	12°39	13°10	14°26	21° 5	7°43	F 4
S 5	11 19 48	21°52'52	18°11	8° 8	6° 2	10° 1	16°51	4°13	13°28	29°49	12°39	13°D10	14°23	21°12	7°40	S 5
S 6	11 23 45	22°52'19	0♉51	9°45	6°56	10°41	17° 0	4°21	13°32	29°48	12°39	13°10	14°20	21°18	7°37	S 6
M 7	11 27 41	23°51'45	13°13	11°17	7°51	11°22	17° 9	4°28	13°35	29°47	12°39	13°12	14°17	21°25	7°35	M 7
T 8	11 31 38	24°51'08	25°22	12°44	8°45	12° 2	17°18	4°36	13°38	29°46	12°R39	13°13	14°14	21°32	7°33	T 8
W 9	11 35 34	25°50'29	7♊21	14° 5	9°41	12°42	17°27	4°43	13°41	29°45	12°39	13°15	14°10	21°39	7°30	W 9
T 10	11 39 31	26°49'47	19°14	15°21	10°37	13°23	17°36	4°51	13°45	29°45	12°39	13°16	14° 7	21°45	7°28	T 10
F 11	11 43 28	27°49'03	1♋ 7	16°32	11°33	14° 3	17°45	4°59	13°48	29°44	12°39	13°R16	14° 4	21°52	7°26	F 11
S 12	11 47 24	28°48'17	13° 3	17°36	12°30	14°43	17°53	5° 6	13°51	29°43	12°39	13°15	14° 1	21°59	7°24	S 12
S 13	11 51 21	29°47'29	25° 8	18°33	13°27	15°24	18° 2	5°14	13°55	29°43	12°38	13°14	13°58	22° 5	7°22	S 13
M14	11 55 17	0♈46'38	7♌25	19°24	14°25	16° 4	18°10	5°21	13°58	29°42	12°38	13°12	13°55	22°12	7°21	M14
T 15	11 59 14	1°45'45	19°58	20° 8	15°23	16°44	18°18	5°29	14° 2	29°41	12°38	13°11	13°51	22°19	7°19	T 15
W16	12 3 10	2°44'49	2♍50	20°45	16°22	17°24	18°26	5°37	14° 5	29°41	12°38	13° 9	13°48	22°26	7°17	W16
T 17	12 7 7	3°43'52	16° 1	21°15	17°21	18° 4	18°34	5°44	14° 8	29°40	12°38	13° 8	13°45	22°32	7°16	T 17
F 18	12 11 3	4°42'52	29°31	21°39	18°20	18°44	18°42	5°52	14°12	29°40	12°37	13° 7	13°42	22°39	7°14	F 18
S 19	12 15 0	5°41'50	13♎18	21°55	19°20	19°25	18°50	5°59	14°15	29°39	12°37	13°D 7	13°39	22°46	7°13	S 19
S 20	12 18 57	6°40'46	27°21	22° 4	20°20	20° 5	18°57	6° 7	14°19	29°39	12°36	13° 7	13°35	22°52	7°12	S 20
M21	12 22 53	7°39'40	11♏33	22°R 7	21°20	20°45	19° 5	6°15	14°22	29°38	12°36	13° 8	13°32	22°59	7°11	M21
T 22	12 26 50	8°38'32	25°53	22° 3	22°21	21°25	19°12	6°22	14°25	29°38	12°36	13° 8	13°29	23° 6	7°10	T 22
W23	12 30 46	9°37'23	10♐15	21°52	23°22	22° 5	19°19	6°30	14°29	29°37	12°35	13° 9	13°26	23°13	7° 9	W23
T 24	12 34 43	10°36'11	24°35	21°36	24°24	22°45	19°26	6°38	14°32	29°37	12°35	13° 9	13°23	23°19	7° 8	T 24
F 25	12 38 39	11°34'59	8♑50	21°14	25°25	23°24	19°33	6°45	14°36	29°37	12°34	13°R 9	13°20	23°26	7° 8	F 25
S 26	12 42 36	12°33'44	22°58	20°47	26°27	24° 4	19°39	6°53	14°39	29°36	12°34	13° 9	13°16	23°33	7° 7	S 26
S 27	12 46 32	13°32'28	6♒57	20°16	27°30	24°44	19°46	7° 0	14°43	29°36	12°33	13°D 9	13°13	23°39	7° 7	S 27
M28	12 50 29	14°31'10	20°44	19°41	28°32	25°24	19°52	7° 8	14°46	29°36	12°32	13° 9	13°10	23°46	7° 7	M28
T 29	12 54 26	15°29'50	4♓20	19° 3	29°35	26° 4	19°58	7°16	14°49	29°36	12°32	13° 9	13° 7	23°53	7° 6	T 29
W30	12 58 22	16°28'28	17°43	18°23	0♓38	26°44	20° 4	7°23	14°53	29°36	12°31	13° 9	13° 4	24° 0	7°D 6	W30
T 31	13 2 19	17♈27'04	0♈52	17♈41	1♓42	27♉23	20♊10	7♈31	14♈56	29♋36	12♐30	13♈10	13♈ 0	24♎ 6	7♌ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s48	17s 6	3s56	0n42	0n17	16s30	3n15	14n32	0n33	22s38	0s 5	0s34	2s14	4n42	0s37	20n11	0s 5	13s46	8n43	5n16	5n47	27n55	11n35	7s 2
W 2	4 24	11 14	3 0	1 37	0 29	16 26	3 7	14 46	0 34	22 36	0 5	0 31	2 14	4 43	0 37	20 11	0 5	13 46	8 43	5 15	5 45	27 55	11 36	7 1
T 3	4 1	4 57	1 54	2 31	0 41	16 21	3 0	15 0	0 35	22 35	0 5	0 28	2 14	4 44	0 37	20 11	0 5	13 46	8 43	5 14	5 44	27 56	11 37	7 1
F 4	3 38	1n25	0 44	3 24	0 54	16 16	2 53	15 13	0 35	22 34	0 5	0 25	2 14	4 45	0 37	20 12	0 5	13 45	8 43	5 13	5 43	27 57	11 38	7 0
S 5	3 14	7 35	0n28	4 16	1 6	16 10	2 45	15 27	0 36	22 33	0 5	0 22	2 14	4 47	0 37	20 12	0 5	13 45	8 43	5 13	5 42	27 58	11 40	7 0
S 6	2 50	13 19	1 36	5 5	1 19	16 4	2 38	15 40	0 36	22 32	0 5	0 19	2 14	4 48	0 37	20 12	0 5	13 45	8 43	5 13	5 40	27 59	11 41	6 59
M 7	2 27	18 23	2 38	5 53	1 31	15 57	2 31	15 53	0 37	22 31	0 5	0 16	2 14	4 49	0 37	20 12	0 5	13 45	8 44	5 14	5 39	27 59	11 42	6 58
T 8	2 3	22 37	3 32	6 38	1 44	15 50	2 24	16 6	0 37	22 30	0 5	0 13	2 14	4 51	0 37	20 12	0 5	13 45	8 44	5 14	5 38	28 0	11 43	6 58
W 9	1 40	25 50	4 16	7 21	1 55	15 42	2 17	16 19	0 38	22 29	0 6	0 10	2 14	4 52	0 36	20 13	0 5	13 44	8 44	5 15	5 37	28 1	11 45	6 57
T 10	1 16	27 54	4 49	8 1	2 7	15 34	2 10	16 32	0 38	22 28	0 6	0 7	2 14	4 53	0 36	20 13	0 5	13 44	8 44	5 15	5 35	28 2	11 46	6 56
F 11	0 52	28 41	5 9	8 38	2 18	15 25	2 3	16 45	0 39	22 27	0 6	0 3	2 14	4 54	0 36	20 13	0 5	13 44	8 44	5 15	5 34	28 3	11 47	6 56
S 12	0 29	28 8	5 16	9 12	2 28	15 16	1 56	16 57	0 40	22 26	0 6	0 0	2 14	4 56	0 36	20 13	0 5	13 44	8 45	5 15	5 33	28 3	11 48	6 55
S 13	0 5	26 15	5 9	9 43	2 37	15 6	1 49	17 9	0 40	22 25	0 6	0n 3	2 14	4 57	0 36	20 13	0 5	13 44	8 45	5 15	5 32	28 4	11 49	6 54
M14	0n19	23 8	4 48	10 11	2 46	14 56	1 43	17 22	0 41	22 24	0 6	0 6	2 14	4 58	0 36	20 13	0 5	13 44	8 45	5 14	5 31	28 5	11 50	6 54
T 15	0 42	18 53	4 13	10 35	2 54	14 46	1 36	17 34	0 41	22 23	0 6	0 9	2 14	5 0	0 36	20 14	0 5	13 43	8 45	5 13	5 29	28 6	11 51	6 53
W16	1 6	13 41	3 25	10 55	3 0	14 35	1 29	17 46	0 42	22 22	0 6	0 12	2 14	5 1	0 36	20 14	0 4	13 43	8 45	5 13	5 28	28 6	11 53	6 52
T 17	1 29	7 45	2 24	11 12	3 6	14 23	1 23	17 58	0 42	22 21	0 7	0 15	2 14	5 2	0 36	20 14	0 4	13 43	8 46	5 12	5 27	28 7	11 54	6 51
F 18	1 53	1 20	1 15	11 25	3 10	14 11	1 17	18 9	0 43	22 20	0 7	0 18	2 14	5 4	0 36	20 14	0 4	13 43	8 46	5 12	5 26	28 8	11 55	6 51
S 19	2 16	5s17	0s 1	11 34	3 14	13 58	1 10	18 21	0 43	22 19	0 7	0 21	2 14	5 5	0 36	20 14	0 4	13 42	8 46	5 12	5 24	28 8	11 56	6 50
S 20	2 40	11 47	1 18	11 39	3 16	13 45	1 4	18 32	0 44	22 18	0 7	0 24	2 14	5 6	0 36	20 14	0 4	13 42	8 46	5 12	5 23	28 9	11 57	6 49
M21	3 3	17 45	2 31	11 40	3 16	13 32	0 58	18 43	0 44	22 17	0 7	0 27	2 14	5 8	0 36	20 14	0 4	13 42	8 46	5 12	5 22	28 10	11 58	6 49
T 22	3 26	22 47	3 35	11 38	3 15	13 18	0 52	18 54	0 45	22 17	0 7	0 30	2 14	5 9	0 36	20 14	0 4	13 42	8 46	5 12	5 21	28 10	11 59	6 48
W23	3 50	26 28	4 26	11 32	3 12	13 4	0 46	19 5	0 45	22 16	0 7	0 33	2 14	5 10	0 36	20 15	0 4	13 42	8 47	5 13	5 19	28 11	11 59	6 47
T 24	4 13	28 26	5 0	11 22	3 8	12 49	0 40	19 16	0 45	22 15	0 8	0 36	2 14	5 12	0 36	20 15	0 4	13 41	8 47	5 13	5 18	28 12	12 0	6 46
F 25	4 36	28 30	5 16	11 8	3 3	12 34	0 34	19 27	0 46	22 14	0 8	0 39	2 14	5 13	0 36	20 15	0 4	13 41	8 47	5 13	5 17	28 12	12 1	6 46
S 26	4 59	26 42	5 12	10 52	2 56	12 18	0 29	19 37	0 46	22 13	0 8	0 42	2 14	5 14	0 36	20 15	0 4	13 41	8 47	5 13	5 16	28 13	12 2	6 45
S 27	5 22	23 17	4 50	10 32	2 47	12 2	0 23	19 47	0 47	22 12	0 8	0 45	2 14	5 16	0 36	20 15	0 4	13 41	8 47	5 13	5 14	28 14	12 3	6 44
M28	5 45	18 36	4 11	10 9	2 37	11 45	0 18	19 57	0 47	22 12	0 8	0 48	2 14	5 17	0 36	20 15	0 4	13 40	8 47	5 13	5 13	28 14	12 4	6 43
T 29	6 8	13 3	3 19	9 44	2 26	11 28	0 12	20 7	0 48	22 11	0 8	0 51	2 14	5 18	0 36	20 15	0 4	13 40	8 47	5 13	5 12	28 15	12 5	6 43
W30	6 30	6 58	2 16	9 17	2 13	11 11	0 7	20 17	0 48	22 10	0 8	0 54	2 14	5 20	0 36	20 15	0 4	13 40	8 48	5 13	5 11	28 16	12 5	6 42
T 31	6n53	0s41	1s 8	8n48	1n59	10s53	0n 2	20n27	0n49	22s 9	0s 8	0n56	2s14	5n21	0s36	20n15	0s 4	13s40	8n48	5n13	5n 9	28n16	12n 6	6s41

Julian Day Number = 2181697.5, Delta T = 11m27s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'12, Lahiri = 13°33'13 Julian Calendar 1 March 1261 == Greg. Calendar 8 March 1261

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

APRIL 1261 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 6 15	18♈25'39	13♈48	16°R58	2♓45	28♉ 3	20♊16	7♈38	15♈ 0	29°R36	12°R30	13°R10	12♈57	24♊13	7♌ 6	F 1
S 2	13 10 12	19°24'11	26°29	16♈15	3°49	28°43	20°21	7°46	15° 3	29♋36	12♐29	13♈10	12°54	24°20	7° 7	S 2
S 3	13 14 8	20°22'42	8♉58	15°34	4°53	29°23	20°27	7°53	15° 7	29°D35	12°28	13° 9	12°51	24°26	7° 7	S 3
M 4	13 18 5	21°21'11	21°14	14°53	5°57	0♊ 2	20°32	8° 1	15°10	29°36	12°27	13° 8	12°48	24°33	7° 7	M 4
T 5	13 22 1	22°19'37	3♊20	14°15	7° 2	0°42	20°37	8° 8	15°13	29°36	12°26	13° 7	12°45	24°40	7° 8	T 5
W 6	13 25 58	23°18'02	15°18	13°40	8° 6	1°22	20°42	8°16	15°17	29°36	12°26	13° 6	12°41	24°47	7° 9	W 6
T 7	13 29 54	24°16'25	27°11	13° 9	9°11	2° 1	20°47	8°23	15°20	29°36	12°25	13° 4	12°38	24°53	7° 9	T 7
F 8	13 33 51	25°14'45	9♋ 3	12°40	10°16	2°41	20°51	8°31	15°24	29°36	12°24	13° 3	12°35	25° 0	7°10	F 8
S 9	13 37 48	26°13'04	20°59	12°17	11°21	3°20	20°56	8°38	15°27	29°36	12°23	13°D 3	12°32	25° 7	7°11	S 9
S 10	13 41 44	27°11'20	3♌ 2	11°57	12°27	4° 0	21° 0	8°45	15°31	29°36	12°22	13° 3	12°29	25°13	7°12	S 10
M11	13 45 41	28° 9'34	15°18	11°42	13°32	4°39	21° 4	8°53	15°34	29°37	12°21	13° 3	12°26	25°20	7°13	M11
T 12	13 49 37	29° 7'46	27°51	11°32	14°38	5°19	21° 8	9° 0	15°37	29°37	12°20	13° 4	12°22	25°27	7°15	T 12
W13	13 53 34	0♍ 5'56	10♍44	11°27	15°44	5°58	21°11	9° 7	15°41	29°37	12°19	13° 6	12°19	25°34	7°16	W13
T 14	13 57 30	1° 4'04	24° 0	11°D26	16°50	6°38	21°15	9°15	15°44	29°38	12°18	13° 7	12°16	25°40	7°18	T 14
F 15	14 1 27	2° 2'11	7♎41	11°30	17°56	7°17	21°18	9°22	15°47	29°38	12°17	13°R 8	12°13	25°47	7°19	F 15
S 16	14 5 23	3° 0'15	21°45	11°39	19° 3	7°56	21°21	9°29	15°51	29°38	12°15	13° 8	12°10	25°54	7°21	S 16
S 17	14 9 20	3°58'17	6♏ 9	11°53	20° 9	8°36	21°24	9°36	15°54	29°39	12°14	13° 6	12° 6	26° 0	7°23	S 17
M18	14 13 17	4°56'18	20°48	12°11	21°16	9°15	21°27	9°43	15°57	29°39	12°13	13° 4	12° 3	26° 7	7°25	M18
T 19	14 17 13	5°54'18	5♐36	12°34	22°22	9°54	21°30	9°51	16° 1	29°40	12°12	13° 2	12° 0	26°14	7°27	T 19
W20	14 21 10	6°52'16	20°24	13° 1	23°29	10°34	21°32	9°58	16° 4	29°40	12°11	12°58	11°57	26°21	7°29	W20
T 21	14 25 6	7°50'12	5♑ 5	13°32	24°36	11°13	21°34	10° 5	16° 7	29°41	12°10	12°55	11°54	26°27	7°31	T 21
F 22	14 29 3	8°48'08	19°34	14° 7	25°44	11°52	21°36	10°12	16°10	29°42	12° 8	12°53	11°51	26°34	7°33	F 22
S 23	14 32 59	9°46'02	3♒46	14°47	26°51	12°31	21°38	10°19	16°14	29°42	12° 7	12°D52	11°47	26°41	7°36	S 23
S 24	14 36 56	10°43'54	17°40	15°29	27°58	13°10	21°40	10°26	16°17	29°43	12° 6	12°52	11°44	26°48	7°38	S 24
M25	14 40 52	11°41'46	1♓15	16°16	29° 6	13°49	21°42	10°33	16°20	29°44	12° 5	12°53	11°41	26°54	7°41	M25
T 26	14 44 49	12°39'36	14°33	17° 6	0♈14	14°29	21°43	10°40	16°23	29°44	12° 3	12°55	11°38	27° 1	7°44	T 26
W27	14 48 46	13°37'25	27°34	17°59	1°21	15° 8	21°44	10°46	16°26	29°45	12° 2	12°56	11°35	27° 8	7°47	W27
T 28	14 52 42	14°35'13	10♈22	18°56	2°29	15°47	21°45	10°53	16°29	29°46	12° 1	12°R57	11°32	27°14	7°50	T 28
F 29	14 56 39	15°32'59	22°57	19°56	3°37	16°26	21°46	11° 0	16°33	29°47	11°59	12°57	11°28	27°21	7°53	F 29
S 30	15 0 35	16♉30'44	5♉21	20♈59	4♈45	17♊ 5	21♊46	11♈ 7	16♈36	29♋48	11♐58	12♈55	11♈25	27♊28	7♌56	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n15	5n31	0n 4	8n18	1n45	10s35	0s 3	20n36	0n49	22s 9	0s 9	0n59	2s14	5n22	0s36	20n15	0s 4	13s40	8n48	5n13	5n 8	28n17	12n 7	6s40
S 2	7 37	11 24	1 13	7 47	1 29	10 17	0 8	20 45	0 49	22 8	0 9	1 2	2 14	5 24	0 36	20 15	0 4	13 39	8 48	5 13	5 7	28 17	12 8	6 39
S 3	8 0	16 43	2 18	7 16	1 13	9 58	0 13	20 55	0 50	22 7	0 9	1 5	2 14	5 25	0 36	20 15	0 4	13 39	8 48	5 13	5 6	28 18	12 8	6 39
M 4	8 22	21 17	3 15	6 46	0 57	9 38	0 18	21 4	0 50	22 7	0 9	1 8	2 14	5 26	0 36	20 15	0 4	13 39	8 48	5 12	5 4	28 19	12 9	6 38
T 5	8 44	24 53	4 3	6 15	0 40	9 19	0 23	21 12	0 51	22 6	0 9	1 11	2 14	5 28	0 36	20 15	0 4	13 39	8 48	5 12	5 3	28 19	12 9	6 37
W 6	9 5	27 21	4 40	5 46	0 23	8 59	0 27	21 21	0 51	22 5	0 9	1 14	2 14	5 29	0 36	20 15	0 4	13 38	8 49	5 11	5 2	28 20	12 10	6 36
T 7	9 27	28 34	5 4	5 18	0 6	8 39	0 32	21 29	0 51	22 5	0 10	1 17	2 14	5 30	0 36	20 15	0 4	13 38	8 49	5 11	5 1	28 20	12 11	6 35
F 8	9 48	28 28	5 15	4 52	0s11	8 18	0 36	21 38	0 52	22 4	0 10	1 20	2 14	5 32	0 36	20 15	0 4	13 38	8 49	5 11	4 59	28 21	12 11	6 35
S 9	10 10	27 3	5 13	4 28	0 27	7 57	0 40	21 46	0 52	22 4	0 10	1 23	2 15	5 33	0 36	20 15	0 4	13 38	8 49	5 10	4 58	28 21	12 12	6 34
S 10	10 31	24 22	4 57	4 5	0 43	7 36	0 44	21 54	0 52	22 3	0 10	1 25	2 15	5 34	0 36	20 15	0 4	13 37	8 49	5 10	4 57	28 22	12 12	6 33
M11	10 52	20 34	4 27	3 46	0 58	7 15	0 48	22 1	0 53	22 3	0 10	1 28	2 15	5 36	0 36	20 15	0 4	13 37	8 49	5 11	4 56	28 22	12 13	6 32
T 12	11 13	15 47	3 45	3 28	1 12	6 53	0 52	22 9	0 53	22 2	0 10	1 31	2 15	5 37	0 36	20 15	0 4	13 37	8 49	5 11	4 55	28 23	12 13	6 32
W13	11 33	10 11	2 49	3 13	1 26	6 31	0 56	22 16	0 54	22 2	0 10	1 34	2 15	5 38	0 36	20 15	0 4	13 37	8 49	5 11	4 53	28 23	12 14	6 31
T 14	11 54	3 59	1 44	3 1	1 39	6 8	1 0	22 23	0 54	22 2	0 11	1 37	2 15	5 40	0 36	20 15	0 4	13 36	8 50	5 12	4 52	28 24	12 14	6 30
F 15	12 14	2s36	0 30	2 52	1 51	5 46	1 4	22 30	0 54	22 1	0 11	1 39	2 15	5 41	0 36	20 15	0 4	13 36	8 50	5 12	4 51	28 24	12 14	6 29
S 16	12 34	9 14	0s47	2 45	2 3	5 23	1 7	22 37	0 55	22 1	0 11	1 42	2 15	5 42	0 36	20 15	0 4	13 36	8 50	5 12	4 50	28 25	12 15	6 28
S 17	12 54	15 34	2 3	2 40	2 13	5 0	1 10	22 44	0 55	22 1	0 11	1 45	2 15	5 43	0 36	20 15	0 4	13 36	8 50	5 12	4 48	28 25	12 15	6 28
M18	13 13	21 7	3 13	2 39	2 23	4 36	1 14	22 50	0 55	22 0	0 11	1 48	2 15	5 45	0 36	20 14	0 4	13 36	8 50	5 11	4 47	28 26	12 15	6 27
T 19	13 33	25 25	4 10	2 39	2 32	4 13	1 17	22 57	0 56	22 0	0 11	1 50	2 15	5 46	0 36	20 14	0 4	13 35	8 50	5 10	4 46	28 26	12 15	6 26
W20	13 52	28 0	4 50	2 42	2 40	3 49	1 20	23 3	0 56	22 0	0 12	1 53	2 16	5 47	0 36	20 14	0 4	13 35	8 50	5 9	4 45	28 26	12 16	6 25
T 21	14 11	28 37	5 11	2 48	2 47	3 25	1 23	23 8	0 56	22 0	0 12	1 56	2 16	5 48	0 36	20 14	0 4	13 35	8 50	5 7	4 43	28 27	12 16	6 25
F 22	14 30	27 14	5 12	2 56	2 53	3 1	1 26	23 14	0 56	21 59	0 12	1 58	2 16	5 50	0 36	20 14	0 4	13 35	8 50	5 7	4 42	28 27	12 16	6 24
S 23	14 48	24 8	4 53	3 6	2 59	2 37	1 29	23 20	0 57	21 59	0 12	2 1	2 16	5 51	0 36	20 14	0 4	13 34	8 50	5 6	4 41	28 28	12 16	6 23
S 24	15 6	19 41	4 18	3 18	3 3	2 12	1 31	23 25	0 57	21 59	0 12	2 4	2 16	5 52	0 36	20 14	0 4	13 34	8 50	5 6	4 40	28 28	12 16	6 22
M25	15 24	14 19	3 29	3 33	3 7	1 48	1 34	23 30	0 57	21 59	0 12	2 6	2 16	5 53	0 36	20 14	0 4	13 34	8 50	5 7	4 38	28 29	12 16	6 22
T 26	15 42	8 24	2 29	3 49	3 10	1 23	1 36	23 35	0 58	21 59	0 13	2 9	2 16	5 55	0 36	20 13	0 4	13 34	8 50	5 7	4 37	28 29	12 16	6 21
W27	16 0	2 14	1 23	4 7	3 12	0 58	1 39	23 40	0 58	21 59	0 13	2 11	2 16	5 56	0 36	20 13	0 4	13 34	8 50	5 8	4 36	28 29	12 16	6 20
T 28	16 17	3n54	0 14	4 28	3 14	0 33	1 41	23 44	0 58	21 59	0 13	2 14	2 17	5 57	0 36	20 13	0 4	13 33	8 51	5 8	4 35	28 30	12 16	6 19
F 29	16 34	9 48	0n54	4 49	3 14	0 8	1 43	23 49	0 59	21 59	0 13	2 16	2 17	5 58	0 36	20 13	0 4	13 33	8 51	5 8	4 33	28 30	12 16	6 19
S 30	16n51	15n14	1n59	5n13	3s14	0n18	1s45	23n53	0n59	21s59	0s13	2n19	2s17	5n59	0s36	20n13	0s 4	13s33	8n51	5n 7	4n32	28n30	12n16	6s18

Julian Day Number = 2181728.5, Delta T = 11m27s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'17, Lahiri = 13°33'17 Julian Calendar 1 Apr. 1261 == Greg. Calendar 8 Apr. 1261

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

MAY 1261 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 4 32	17♉28'28	17♉36	22♈ 4	5♈54	17♊44	21♋47	11♈13	16♈39	29♋49	11°R56	12°R51	11♈22	27♊35	7♌59	S 1
M 2	15 8 28	18°26'10	29°43	23°13	7° 2	18°23	21°R47	11°20	16°42	29°50	11♐55	12♈46	11°19	27°41	8° 2	M 2
T 3	15 12 25	19°23'51	11♊43	24°25	8°10	19° 2	21°47	11°27	16°45	29°51	11°54	12°39	11°16	27°48	8° 6	T 3
W 4	15 16 21	20°21'31	23°38	25°39	9°19	19°41	21°47	11°33	16°48	29°52	11°52	12°32	11°12	27°55	8° 9	W 4
T 5	15 20 18	21°19'09	5♋30	26°56	10°27	20°20	21°46	11°40	16°51	29°53	11°51	12°26	11° 9	28° 1	8°13	T 5
F 6	15 24 15	22°16'46	17°22	28°15	11°36	20°59	21°46	11°46	16°54	29°54	11°49	12°20	11° 6	28° 8	8°17	F 6
S 7	15 28 11	23°14'22	29°16	29°37	12°45	21°38	21°45	11°52	16°57	29°55	11°48	12°16	11° 3	28°15	8°20	S 7
S 8	15 32 8	24°11'56	11♌18	1♉ 2	13°53	22°17	21°44	11°59	17° 0	29°56	11°46	12°13	11° 0	28°22	8°24	S 8
M 9	15 36 4	25° 9'28	23°31	2°29	15° 2	22°55	21°43	12° 5	17° 3	29°57	11°45	12°D12	10°57	28°28	8°28	M 9
T 10	15 40 1	26° 6'59	6♍ 0	3°59	16°11	23°34	21°41	12°11	17° 5	29°58	11°43	12°12	10°53	28°35	8°32	T 10
W11	15 43 57	27° 4'29	18°49	5°31	17°20	24°13	21°40	12°17	17° 8	29°59	11°42	12°13	10°50	28°42	8°36	W11
T 12	15 47 54	28° 1'57	2♎ 3	7° 5	18°29	24°52	21°38	12°24	17°11	0♌ 1	11°40	12°15	10°47	28°48	8°41	T 12
F 13	15 51 50	28°59'24	15°44	8°43	19°39	25°31	21°36	12°30	17°14	0° 2	11°39	12°R15	10°44	28°55	8°45	F 13
S 14	15 55 47	29°56'50	29°53	10°22	20°48	26°10	21°34	12°36	17°17	0° 3	11°37	12°14	10°41	29° 2	8°49	S 14
S 15	15 59 44	0♊54'14	14♏27	12° 4	21°57	26°48	21°32	12°42	17°19	0° 4	11°36	12°10	10°38	29° 9	8°54	S 15
M16	16 3 40	1°51'38	29°23	13°49	23° 7	27°27	21°29	12°47	17°22	0° 6	11°34	12° 5	10°34	29°15	8°58	M16
T 17	16 7 37	2°49'00	14♐31	15°35	24°16	28° 6	21°27	12°53	17°25	0° 7	11°32	11°58	10°31	29°22	9° 3	T 17
W18	16 11 33	3°46'22	29°41	17°25	25°26	28°44	21°24	12°59	17°27	0° 8	11°31	11°51	10°28	29°29	9° 8	W18
T 19	16 15 30	4°43'44	14♑44	19°16	26°35	29°23	21°21	13° 5	17°30	0°10	11°29	11°43	10°25	29°36	9°13	T 19
F 20	16 19 26	5°41'04	29°30	21°10	27°45	0♋ 2	21°18	13°10	17°32	0°11	11°28	11°37	10°22	29°42	9°17	F 20
S 21	16 23 23	6°38'24	13♒54	23° 7	28°55	0°40	21°14	13°16	17°35	0°13	11°26	11°33	10°18	29°49	9°22	S 21
S 22	16 27 20	7°35'43	27°53	25° 5	0♉ 5	1°19	21°11	13°22	17°37	0°14	11°25	11°31	10°15	29°56	9°28	S 22
M23	16 31 16	8°33'02	11♓27	27° 6	1°14	1°58	21° 7	13°27	17°40	0°16	11°23	11°D31	10°12	0♋ 2	9°33	M23
T 24	16 35 13	9°30'20	24°37	29° 8	2°24	2°36	21° 3	13°32	17°42	0°17	11°21	11°31	10° 9	0° 9	9°38	T 24
W25	16 39 9	10°27'38	7♈28	1♊13	3°34	3°15	20°59	13°38	17°45	0°19	11°20	11°R32	10° 6	0°16	9°43	W25
T 26	16 43 6	11°24'55	20° 2	3°19	4°45	3°53	20°55	13°43	17°47	0°20	11°18	11°32	10° 3	0°23	9°48	T 26
F 27	16 47 2	12°22'13	2♉22	5°27	5°55	4°32	20°51	13°48	17°49	0°22	11°17	11°29	9°59	0°29	9°54	F 27
S 28	16 50 59	13°19'29	14°33	7°36	7° 5	5°10	20°46	13°53	17°52	0°24	11°15	11°25	9°56	0°36	9°59	S 28
S 29	16 54 55	14°16'45	26°37	9°46	8°15	5°49	20°41	13°58	17°54	0°25	11°13	11°18	9°53	0°43	10° 5	S 29
M30	16 58 52	15°14'01	8♊35	11°57	9°26	6°28	20°37	14° 3	17°56	0°27	11°12	11° 8	9°50	0°49	10°11	M30
T 31	17 2 49	16♊11'17	20♊30	14♊ 8	10♉36	7♋ 6	20♑32	14♈ 8	17♈58	0♌29	11♐10	10♈57	9♈47	0♋56	10♌16	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 7	19n59	2n58	5n38	3s14	0n43	1s47	23n57	0n59	21s59	0s13	2n21	2s17	6n 1	0s36	20n13	0s 4	13s33	8n51	5n 6	4n31	28n31	12n16	6s17
M 2	17 23	23 52	3 47	6 5	3 12	1 8	1 49	24 1	0 59	21 59	0 14	2 24	2 17	6 2	0 36	20 12	0 4	13 33	8 51	5 4	4 30	28 31	12 16	6 16
T 3	17 39	26 40	4 26	6 33	3 10	1 34	1 50	24 4	1 0	22 0	0 14	2 26	2 17	6 3	0 36	20 12	0 4	13 32	8 51	5 1	4 28	28 31	12 16	6 16
W 4	17 55	28 16	4 53	7 2	3 8	1 59	1 52	24 8	1 0	22 0	0 14	2 29	2 17	6 4	0 36	20 12	0 4	13 32	8 51	4 58	4 27	28 32	12 16	6 15
T 5	18 10	28 32	5 7	7 33	3 4	2 25	1 53	24 11	1 0	22 0	0 14	2 31	2 18	6 5	0 36	20 12	0 4	13 32	8 51	4 56	4 26	28 32	12 16	6 14
F 6	18 25	27 30	5 8	8 5	3 0	2 51	1 55	24 14	1 0	22 0	0 14	2 34	2 18	6 6	0 36	20 12	0 4	13 32	8 51	4 54	4 25	28 32	12 15	6 13
S 7	18 40	25 12	4 56	8 38	2 56	3 16	1 56	24 17	1 1	22 1	0 14	2 36	2 18	6 7	0 36	20 11	0 4	13 32	8 51	4 52	4 23	28 33	12 15	6 13
S 8	18 54	21 47	4 31	9 13	2 51	3 42	1 57	24 19	1 1	22 1	0 15	2 38	2 18	6 9	0 36	20 11	0 4	13 31	8 51	4 51	4 22	28 33	12 15	6 12
M 9	19 8	17 24	3 53	9 48	2 45	4 8	1 58	24 22	1 1	22 1	0 15	2 41	2 18	6 10	0 36	20 11	0 4	13 31	8 51	4 50	4 21	28 33	12 14	6 11
T 10	19 22	12 11	3 3	10 24	2 39	4 34	1 59	24 24	1 1	22 2	0 15	2 43	2 18	6 11	0 36	20 11	0 4	13 31	8 51	4 51	4 20	28 33	12 14	6 11
W11	19 35	6 20	2 3	11 1	2 32	4 59	2 0	24 26	1 2	22 2	0 15	2 45	2 19	6 12	0 37	20 11	0 4	13 31	8 51	4 51	4 18	28 34	12 14	6 10
T 12	19 48	0 1	0 55	11 39	2 25	5 25	2 1	24 28	1 2	22 3	0 15	2 47	2 19	6 13	0 37	20 10	0 4	13 31	8 51	4 52	4 17	28 34	12 13	6 9
F 13	20 1	6s30	0s19	12 18	2 17	5 50	2 2	24 30	1 2	22 3	0 16	2 50	2 19	6 14	0 37	20 10	0 4	13 30	8 51	4 52	4 16	28 34	12 13	6 9
S 14	20 13	12 56	1 34	12 57	2 9	6 16	2 2	24 31	1 2	22 4	0 16	2 52	2 19	6 15	0 37	20 10	0 4	13 30	8 51	4 51	4 15	28 34	12 12	6 8
S 15	20 25	18 51	2 44	13 37	2 0	6 41	2 3	24 32	1 2	22 4	0 16	2 54	2 19	6 16	0 37	20 10	0 4	13 30	8 51	4 50	4 13	28 35	12 12	6 7
M16	20 37	23 46	3 46	14 17	1 51	7 7	2 3	24 33	1 3	22 5	0 16	2 56	2 19	6 17	0 37	20 9	0 4	13 30	8 50	4 48	4 12	28 35	12 11	6 7
T 17	20 48	27 8	4 32	14 57	1 42	7 32	2 3	24 34	1 3	22 5	0 16	2 58	2 20	6 18	0 37	20 9	0 4	13 30	8 50	4 45	4 11	28 35	12 11	6 6
W18	21 0	28 31	4 59	15 38	1 32	7 58	2 3	24 35	1 3	22 6	0 16	3 0	2 20	6 19	0 37	20 9	0 4	13 30	8 50	4 42	4 10	28 35	12 10	6 5
T 19	21 10	27 47	5 6	16 18	1 22	8 23	2 3	24 35	1 3	22 7	0 17	3 2	2 20	6 20	0 37	20 8	0 4	13 30	8 50	4 39	4 8	28 35	12 10	6 5
F 20	21 20	25 5	4 51	16 59	1 11	8 48	2 3	24 36	1 3	22 7	0 17	3 4	2 20	6 21	0 37	20 8	0 4	13 29	8 50	4 37	4 7	28 36	12 9	6 4
S 21	21 30	20 51	4 19	17 39	1 1	9 13	2 3	24 36	1 4	22 8	0 17	3 6	2 20	6 22	0 37	20 8	0 4	13 29	8 50	4 35	4 6	28 36	12 8	6 3
S 22	21 40	15 34	3 32	18 18	0 50	9 37	2 3	24 36	1 4	22 9	0 17	3 8	2 21	6 23	0 37	20 7	0 4	13 29	8 50	4 34	4 5	28 36	12 8	6 3
M23	21 49	9 40	2 34	18 57	0 39	10 2	2 3	24 35	1 4	22 9	0 17	3 10	2 21	6 24	0 37	20 7	0 4	13 29	8 50	4 34	4 3	28 36	12 7	6 2
T 24	21 58	3 31	1 29	19 36	0 28	10 26	2 3	24 35	1 4	22 10	0 18	3 12	2 21	6 25	0 37	20 7	0 4	13 29	8 50	4 34	4 2	28 36	12 6	6 1
W25	22 6	2n38	0 22	20 13	0 17	10 51	2 2	24 34	1 4	22 11	0 18	3 14	2 21	6 26	0 37	20 7	0 4	13 29	8 50	4 35	4 1	28 36	12 5	6 1
T 26	22 15	8 34	0n45	20 48	0 6	11 15	2 2	24 33	1 5	22 12	0 18	3 16	2 21	6 26	0 37	20 6	0 4	13 29	8 50	4 35	4 0	28 37	12 5	6 0
F 27	22 22	14 3	1 49	21 23	0n 5	11 39	2 1	24 32	1 5	22 13	0 18	3 18	2 22	6 27	0 37	20 6	0 4	13 29	8 50	4 34	3 58	28 37	12 4	6 0
S 28	22 30	18 55	2 46	21 55	0 16	12 2	2 0	24 31	1 5	22 14	0 18	3 19	2 22	6 28	0 37	20 6	0 3	13 28	8 50	4 32	3 57	28 37	12 3	5 59
S 29	22 36	22 58	3 36	22 26	0 26	12 26	2 0	24 30	1 5	22 14	0 18	3 21	2 22	6 29	0 37	20 5	0 3	13 28	8 49	4 29	3 56	28 37	12 2	5 58
M30	22 43	26 1	4 15	22 54	0 36	12 49	1 59	24 28	1 5	22 15	0 19	3 23	2 22	6 30	0 37	20 5	0 3	13 28	8 49	4 25	3 55	28 37	12 1	5 58
T 31	22n49	27n54	4n43	23n21	0n46	13n12	1s58	24n26	1n 5	22s16	0s19	3n24	2s22	6n31	0s37	20n 5	0s 3	13s28	8n49	4n21	3n53	28n37	12n 0	5s57

Julian Day Number = 2181758.5, Delta T = 11m27s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'21, Lahiri = 13°33'21 Julian Calendar 1 May 1261 == Greg. Calendar 8 May 1261

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

JUNE 1261 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 6 45	17♊ 8'31	2♋22	16♊20	11♉46	7♋45	20°R26	14♈13	18♈ 0	0♎30	11°R 9	10°R45	9♈44	1♋ 3	10♎22	W 1
T 2	17 10 42	18° 5'46	14°14	18°31	12°57	8°23	20♑21	14°18	18° 3	0°32	11♐ 7	10♈33	9°40	1°10	10°28	T 2
F 3	17 14 38	19° 3'00	26° 6	20°42	14° 7	9° 1	20°16	14°22	18° 5	0°34	11° 6	10°22	9°37	1°16	10°34	F 3
S 4	17 18 35	20° 0'13	8♎ 3	22°53	15°18	9°40	20°10	14°27	18° 7	0°36	11° 4	10°13	9°34	1°23	10°40	S 4
S 5	17 22 31	20°57'26	20° 5	25° 3	16°29	10°18	20° 4	14°31	18° 9	0°37	11° 2	10° 6	9°31	1°30	10°46	S 5
M 6	17 26 28	21°54'38	2♏18	27°12	17°39	10°57	19°58	14°36	18°11	0°39	11° 1	10° 3	9°28	1°37	10°52	M 6
T 7	17 30 24	22°51'49	14°44	29°20	18°50	11°35	19°52	14°40	18°12	0°41	10°59	10° 1	9°24	1°43	10°58	T 7
W 8	17 34 21	23°49'00	27°29	1♋26	20° 1	12°14	19°46	14°44	18°14	0°43	10°58	10°D 1	9°21	1°50	11° 4	W 8
T 9	17 38 18	24°46'10	10♎38	3°31	21°12	12°52	19°40	14°49	18°16	0°45	10°56	10°R 1	9°18	1°57	11°11	T 9
F 10	17 42 14	25°43'20	24°12	5°34	22°23	13°30	19°34	14°53	18°18	0°47	10°55	10° 0	9°15	2° 3	11°17	F 10
S 11	17 46 11	26°40'30	8♏16	7°36	23°34	14° 9	19°27	14°57	18°20	0°48	10°53	9°58	9°12	2°10	11°24	S 11
S 12	17 50 7	27°37'39	22°48	9°35	24°45	14°47	19°21	15° 1	18°21	0°50	10°52	9°53	9° 9	2°17	11°30	S 12
M13	17 54 4	28°34'48	7♐44	11°33	25°56	15°25	19°14	15° 4	18°23	0°52	10°50	9°46	9° 5	2°24	11°37	M13
T 14	17 58 0	29°31'57	22°58	13°29	27° 7	16° 4	19° 7	15° 8	18°25	0°54	10°49	9°36	9° 2	2°30	11°43	T 14
W15	18 1 57	0♋29'06	8♑18	15°22	28°18	16°42	19° 0	15°12	18°26	0°56	10°47	9°26	8°59	2°37	11°50	W15
T 16	18 5 54	1°26'15	23°34	17°14	29°29	17°20	18°53	15°15	18°28	0°58	10°46	9°16	8°56	2°44	11°56	T 16
F 17	18 9 50	2°23'24	8♒34	19° 4	0♊40	17°59	18°46	15°19	18°29	1° 0	10°44	9° 7	8°53	2°51	12° 3	F 17
S 18	18 13 47	3°20'33	23°10	20°52	1°52	18°37	18°39	15°22	18°31	1° 2	10°43	9° 0	8°50	2°57	12°10	S 18
S 19	18 17 43	4°17'43	7♓18	22°37	3° 3	19°15	18°32	15°26	18°32	1° 4	10°42	8°56	8°46	3° 4	12°17	S 19
M20	18 21 40	5°14'53	20°57	24°21	4°14	19°54	18°25	15°29	18°33	1° 6	10°40	8°54	8°43	3°11	12°24	M20
T 21	18 25 36	6°12'03	4♈ 9	26° 3	5°26	20°32	18°17	15°32	18°35	1° 8	10°39	8°54	8°40	3°17	12°31	T 21
W22	18 29 33	7° 9'14	16°58	27°42	6°37	21°10	18°10	15°35	18°36	1°10	10°37	8°54	8°37	3°24	12°38	W22
T 23	18 33 29	8° 6'25	29°27	29°20	7°49	21°48	18° 2	15°38	18°37	1°12	10°36	8°53	8°34	3°31	12°45	T 23
F 24	18 37 26	9° 3'37	11♉41	0♎55	9° 0	22°27	17°55	15°41	18°38	1°14	10°35	8°50	8°30	3°38	12°52	F 24
S 25	18 41 23	10° 0'50	23°44	2°29	10°12	23° 5	17°47	15°44	18°39	1°17	10°33	8°45	8°27	3°44	12°59	S 25
S 26	18 45 19	10°58'03	5♊41	4° 0	11°24	23°43	17°40	15°46	18°40	1°19	10°32	8°36	8°24	3°51	13° 6	S 26
M27	18 49 16	11°55'16	17°34	5°30	12°36	24°21	17°32	15°49	18°41	1°21	10°31	8°26	8°21	3°58	13°13	M27
T 28	18 53 12	12°52'30	29°26	6°57	13°47	25° 0	17°24	15°51	18°42	1°23	10°29	8°13	8°18	4° 4	13°20	T 28
W29	18 57 9	13°49'45	11♋18	8°23	14°59	25°38	17°17	15°54	18°43	1°25	10°28	7°59	8°15	4°11	13°28	W29
T 30	19 1 5	14♋47'00	23♋12	9♎46	16♊11	26♋16	17♑ 9	15♈56	18♈44	1♎27	10♐27	7♈45	8♈11	4♋18	13♎35	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n55	28n29	4n59	23n44	0n55	13n35	1s57	24n24	1n 6	22s17	0s19	3n26	2s23	6n31	0s37	20n 4	0s 3	13s28	8n49	4n16	3n52	28n37	11n59	5s57
T 2	23 0	27 46	5 1	24 6	1 3	13 57	1 56	24 22	1 6	22 18	0 19	3 28	2 23	6 32	0 37	20 4	0 3	13 28	8 49	4 11	3 51	28 37	11 58	5 56
F 3	23 5	25 46	4 51	24 24	1 12	14 19	1 54	24 19	1 6	22 19	0 19	3 29	2 23	6 33	0 37	20 3	0 3	13 28	8 49	4 7	3 50	28 37	11 57	5 56
S 4	23 10	22 38	4 27	24 40	1 19	14 41	1 53	24 17	1 6	22 20	0 19	3 31	2 23	6 34	0 37	20 3	0 3	13 28	8 49	4 4	3 48	28 37	11 56	5 55
S 5	23 14	18 31	3 52	24 53	1 26	15 3	1 52	24 14	1 6	22 21	0 20	3 32	2 24	6 34	0 37	20 3	0 3	13 28	8 48	4 1	3 47	28 37	11 55	5 54
M 6	23 17	13 35	3 6	25 2	1 32	15 24	1 51	24 11	1 6	22 22	0 20	3 34	2 24	6 35	0 37	20 2	0 3	13 28	8 48	4 0	3 46	28 37	11 54	5 54
T 7	23 21	8 2	2 10	25 10	1 37	15 45	1 49	24 8	1 6	22 23	0 20	3 35	2 24	6 36	0 37	20 2	0 3	13 28	8 48	3 59	3 45	28 38	11 53	5 53
W 8	23 24	2 1	1 6	25 14	1 42	16 5	1 48	24 5	1 7	22 24	0 20	3 37	2 24	6 37	0 37	20 2	0 3	13 28	8 48	3 59	3 43	28 38	11 52	5 53
T 9	23 26	4s16	0s 3	25 16	1 46	16 26	1 46	24 1	1 7	22 26	0 20	3 38	2 25	6 37	0 37	20 1	0 3	13 28	8 48	3 59	3 42	28 38	11 50	5 52
F 10	23 28	10 35	1 14	25 14	1 49	16 45	1 44	23 57	1 7	22 27	0 21	3 40	2 25	6 38	0 37	20 1	0 3	13 28	8 48	3 59	3 41	28 38	11 49	5 52
S 11	23 30	16 35	2 24	25 11	1 52	17 5	1 43	23 54	1 7	22 28	0 21	3 41	2 25	6 39	0 37	20 0	0 3	13 28	8 47	3 58	3 40	28 38	11 48	5 51
S 12	23 31	21 51	3 26	25 5	1 54	17 24	1 41	23 49	1 7	22 29	0 21	3 42	2 25	6 39	0 37	20 0	0 3	13 28	8 47	3 56	3 38	28 38	11 47	5 51
M13	23 32	25 53	4 15	24 56	1 55	17 43	1 39	23 45	1 7	22 30	0 21	3 43	2 26	6 40	0 37	20 0	0 3	13 28	8 47	3 53	3 37	28 38	11 45	5 50
T 14	23 32	28 9	4 48	24 46	1 55	18 1	1 37	23 41	1 7	22 31	0 21	3 45	2 26	6 40	0 37	19 59	0 3	13 28	8 47	3 49	3 36	28 37	11 44	5 50
W15	23 32	28 16	5 0	24 33	1 55	18 19	1 35	23 36	1 7	22 32	0 21	3 46	2 26	6 41	0 37	19 59	0 3	13 28	8 47	3 45	3 35	28 37	11 43	5 49
T 16	23 32	26 15	4 51	24 18	1 54	18 36	1 33	23 31	1 7	22 33	0 22	3 47	2 26	6 41	0 37	19 58	0 3	13 28	8 47	3 41	3 33	28 37	11 41	5 49
F 17	23 31	22 24	4 22	24 2	1 52	18 53	1 31	23 26	1 8	22 35	0 22	3 48	2 27	6 42	0 37	19 58	0 3	13 28	8 46	3 38	3 32	28 37	11 40	5 49
S 18	23 30	17 15	3 36	23 43	1 50	19 10	1 29	23 21	1 8	22 36	0 22	3 49	2 27	6 43	0 37	19 57	0 3	13 28	8 46	3 35	3 31	28 37	11 39	5 48
S 19	23 28	11 19	2 39	23 23	1 47	19 26	1 27	23 16	1 8	22 37	0 22	3 50	2 27	6 43	0 37	19 57	0 3	13 28	8 46	3 33	3 30	28 37	11 37	5 48
M20	23 26	5 2	1 33	23 2	1 44	19 41	1 25	23 11	1 8	22 38	0 22	3 51	2 27	6 44	0 37	19 57	0 3	13 28	8 46	3 33	3 28	28 37	11 36	5 47
T 21	23 23	1n17	0 25	22 39	1 40	19 56	1 23	23 5	1 8	22 39	0 22	3 52	2 28	6 44	0 37	19 56	0 3	13 28	8 45	3 32	3 27	28 37	11 34	5 47
W22	23 21	7 21	0n42	22 15	1 35	20 11	1 20	22 59	1 8	22 40	0 23	3 53	2 28	6 44	0 37	19 56	0 3	13 28	8 45	3 32	3 26	28 37	11 33	5 46
T 23	23 17	12 59	1 46	21 50	1 30	20 25	1 18	22 53	1 8	22 41	0 23	3 54	2 28	6 45	0 37	19 55	0 3	13 28	8 45	3 32	3 24	28 37	11 31	5 46
F 24	23 14	18 0	2 44	21 24	1 24	20 39	1 16	22 47	1 8	22 43	0 23	3 55	2 28	6 45	0 37	19 55	0 3	13 28	8 45	3 31	3 23	28 37	11 30	5 45
S 25	23 9	22 13	3 33	20 57	1 18	20 52	1 13	22 41	1 8	22 44	0 23	3 56	2 29	6 46	0 37	19 54	0 3	13 28	8 45	3 29	3 22	28 37	11 28	5 45
S 26	23 5	25 29	4 12	20 29	1 11	21 4	1 11	22 34	1 8	22 45	0 23	3 56	2 29	6 46	0 37	19 54	0 3	13 28	8 44	3 26	3 21	28 36	11 26	5 45
M27	23 0	27 36	4 40	20 1	1 4	21 16	1 8	22 27	1 8	22 46	0 23	3 57	2 29	6 46	0 37	19 53	0 3	13 28	8 44	3 21	3 19	28 36	11 25	5 44
T 28	22 55	28 28	4 56	19 32	0 57	21 28	1 6	22 21	1 9	22 47	0 23	3 58	2 30	6 47	0 38	19 53	0 3	13 28	8 44	3 16	3 18	28 36	11 23	5 44
W29	22 49	28 1	4 59	19 2	0 49	21 38	1 3	22 14	1 9	22 48	0 24	3 59	2 30	6 47	0 38	19 53	0 3	13 28	8 43	3 11	3 17	28 36	11 21	5 44
T 30	22n43	26n17	4n49	18n32	0n41	21n49	1s 1	22n 6	1n 9	22s50	0s24	3n59	2s30	6n47	0s38	19n52	0s 3	13s28	8n43	3n 5	3n16	28n36	11n20	5s43

Julian Day Number = 2181789.5, Delta T = 11m26s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'25, Lahiri = 13°33'26 Julian Calendar 1 June 1261 == Greg. Calendar 8 June 1261

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

JULY 1261 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 5 2	15♋44'16	5♌ 9	11♌ 7	17♊23	26♋54	17°R 1	15♈58	18♈45	1♌29	10°R26	7°R33	8♈ 8	4♋25	13♌42	F 1
S 2	19 8 58	16°41'31	17°11	12°25	18°35	27°32	16♏53	16° 0	18°46	1°32	10♐24	7♈22	8° 5	4°31	13°50	S 2
S 3	19 12 55	17°38'48	29°19	13°42	19°47	28°11	16°46	16° 2	18°46	1°34	10°23	7°15	8° 2	4°38	13°57	S 3
M 4	19 16 52	18°36'04	11♍37	14°56	20°59	28°49	16°38	16° 4	18°47	1°36	10°22	7°10	7°59	4°45	14° 5	M 4
T 5	19 20 48	19°33'21	24° 7	16° 8	22°11	29°27	16°30	16° 6	18°48	1°38	10°21	7° 8	7°56	4°52	14°12	T 5
W 6	19 24 45	20°30'39	6♎53	17°17	23°23	0♌ 5	16°22	16° 8	18°48	1°40	10°20	7°D 7	7°52	4°58	14°20	W 6
T 7	19 28 41	21°27'56	19°58	18°24	24°36	0°43	16°15	16° 9	18°49	1°42	10°19	7°R 7	7°49	5° 5	14°27	T 7
F 8	19 32 38	22°25'15	3♏27	19°28	25°48	1°22	16° 7	16°11	18°49	1°45	10°18	7° 7	7°46	5°12	14°35	F 8
S 9	19 36 34	23°22'34	17°21	20°30	27° 0	2° 0	15°59	16°12	18°50	1°47	10°17	7° 5	7°43	5°18	14°43	S 9
S 10	19 40 31	24°19'53	1♐42	21°28	28°12	2°38	15°52	16°13	18°50	1°49	10°16	7° 1	7°40	5°25	14°50	S 10
M11	19 44 27	25°17'13	16°28	22°24	29°25	3°16	15°44	16°14	18°51	1°51	10°15	6°54	7°36	5°32	14°58	M11
T 12	19 48 24	26°14'33	1♑31	23°17	0♋37	3°54	15°37	16°16	18°51	1°53	10°14	6°46	7°33	5°39	15° 6	T 12
W13	19 52 21	27°11'55	16°45	24° 6	1°50	4°32	15°29	16°17	18°51	1°56	10°13	6°36	7°30	5°45	15°13	W13
T 14	19 56 17	28° 9'17	1♒58	24°52	3° 2	5°11	15°22	16°17	18°51	1°58	10°12	6°26	7°27	5°52	15°21	T 14
F 15	20 0 14	29° 6'40	17° 0	25°35	4°15	5°49	15°15	16°18	18°51	2° 0	10°11	6°18	7°24	5°59	15°29	F 15
S 16	20 4 10	0♌ 4'04	1♓40	26°14	5°27	6°27	15° 7	16°19	18°52	2° 2	10°10	6°12	7°21	6° 6	15°37	S 16
S 17	20 8 7	1° 1'29	15°55	26°49	6°40	7° 5	15° 0	16°19	18°R52	2° 5	10° 9	6° 8	7°17	6°12	15°45	S 17
M18	20 12 3	1°58'55	29°40	27°20	7°53	7°43	14°53	16°20	18°52	2° 7	10° 8	6° 6	7°14	6°19	15°53	M18
T 19	20 16 0	2°56'23	12♈58	27°47	9° 6	8°21	14°46	16°20	18°52	2° 9	10° 7	6°D 6	7°11	6°26	16° 0	T 19
W20	20 19 56	3°53'52	25°49	28° 9	10°18	8°59	14°39	16°20	18°51	2°11	10° 7	6° 7	7° 8	6°32	16° 8	W20
T 21	20 23 53	4°51'22	8♉20	28°27	11°31	9°38	14°32	16°20	18°51	2°14	10° 6	6°R 7	7° 5	6°39	16°16	T 21
F 22	20 27 50	5°48'54	20°34	28°39	12°44	10°16	14°25	16°R20	18°51	2°16	10° 5	6° 6	7° 2	6°46	16°24	F 22
S 23	20 31 46	6°46'27	2♊36	28°47	13°57	10°54	14°19	16°20	18°51	2°18	10° 5	6° 2	6°58	6°53	16°32	S 23
S 24	20 35 43	7°44'02	14°31	28°R50	15°10	11°32	14°12	16°20	18°51	2°20	10° 4	5°57	6°55	6°59	16°40	S 24
M25	20 39 39	8°41'38	26°22	28°47	16°23	12°10	14° 6	16°20	18°50	2°22	10° 3	5°49	6°52	7° 6	16°48	M25
T 26	20 43 36	9°39'15	8♋14	28°39	17°36	12°48	13°59	16°20	18°50	2°25	10° 3	5°40	6°49	7°13	16°56	T 26
W27	20 47 32	10°36'54	20° 8	28°25	18°49	13°27	13°53	16°19	18°49	2°27	10° 2	5°29	6°46	7°20	17° 4	W27
T 28	20 51 29	11°34'34	2♌ 7	28° 5	20° 2	14° 5	13°47	16°18	18°49	2°29	10° 2	5°19	6°42	7°26	17°12	T 28
F 29	20 55 25	12°32'16	14°11	27°41	21°16	14°43	13°41	16°18	18°48	2°31	10° 1	5°10	6°39	7°33	17°20	F 29
S 30	20 59 22	13°29'59	26°23	27°10	22°29	15°21	13°35	16°17	18°48	2°33	10° 1	5° 2	6°36	7°40	17°28	S 30
S 31	21 3 19	14♌27'43	8♍44	26♌35	23♋42	15♌59	13♏30	16♈16	18♈47	2♌36	10♐ 0	4♈57	6♈33	7♋46	17♌36	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n36	23n21	4n26	18n 1	0n32	21n58	0s58	21n59	1n 9	22s51	0s24	4n 0	2s30	6n48	0s38	19n52	0s 3	13s28	8n43	3n 0	3n14	28n36	11n18	5s43
S 2	22 29	19 25	3 51	17 30	0 23	22 7	0 56	21 52	1 9	22 52	0 24	4 0	2 31	6 48	0 38	19 51	0 3	13 29	8 43	2 56	3 13	28 36	11 16	5 43
S 3	22 22	14 39	3 5	17 0	0 13	22 16	0 53	21 44	1 9	22 53	0 24	4 1	2 31	6 48	0 38	19 51	0 3	13 29	8 42	2 53	3 12	28 35	11 15	5 42
M 4	22 14	9 15	2 11	16 29	0 3	22 24	0 50	21 36	1 9	22 54	0 24	4 1	2 31	6 48	0 38	19 50	0 3	13 29	8 42	2 51	3 11	28 35	11 13	5 42
T 5	22 6	3 24	1 8	15 58	0s 7	22 31	0 48	21 28	1 9	22 55	0 25	4 2	2 31	6 49	0 38	19 50	0 3	13 29	8 42	2 50	3 9	28 35	11 11	5 42
W 6	21 58	2s43	0 1	15 27	0 17	22 37	0 45	21 20	1 9	22 56	0 25	4 2	2 32	6 49	0 38	19 49	0 3	13 29	8 42	2 50	3 8	28 35	11 9	5 41
T 7	21 49	8 53	1s 8	14 56	0 28	22 43	0 42	21 12	1 9	22 57	0 25	4 2	2 32	6 49	0 38	19 49	0 3	13 29	8 41	2 50	3 7	28 34	11 7	5 41
F 8	21 40	14 49	2 15	14 25	0 39	22 49	0 40	21 4	1 9	22 58	0 25	4 3	2 32	6 49	0 38	19 48	0 3	13 29	8 41	2 50	3 6	28 34	11 5	5 41
S 9	21 30	20 13	3 16	13 55	0 50	22 53	0 37	20 55	1 9	22 59	0 25	4 3	2 33	6 49	0 38	19 48	0 3	13 29	8 41	2 49	3 4	28 34	11 4	5 40
S 10	21 20	24 37	4 7	13 26	1 2	22 57	0 34	20 46	1 9	23 0	0 25	4 3	2 33	6 50	0 38	19 47	0 3	13 30	8 40	2 48	3 3	28 34	11 2	5 40
M11	21 10	27 32	4 43	12 57	1 13	23 1	0 31	20 38	1 9	23 1	0 25	4 3	2 33	6 50	0 38	19 47	0 3	13 30	8 40	2 45	3 2	28 34	11 0	5 40
T 12	20 59	28 32	5 1	12 28	1 25	23 3	0 29	20 29	1 9	23 2	0 25	4 4	2 33	6 50	0 38	19 46	0 3	13 30	8 40	2 42	3 1	28 33	10 58	5 39
W13	20 48	27 24	4 57	12 1	1 37	23 6	0 26	20 19	1 9	23 3	0 26	4 4	2 34	6 50	0 38	19 46	0 3	13 30	8 39	2 38	2 59	28 33	10 56	5 39
T 14	20 37	24 14	4 33	11 34	1 49	23 7	0 23	20 10	1 9	23 4	0 26	4 4	2 34	6 50	0 38	19 45	0 3	13 30	8 39	2 34	2 58	28 33	10 54	5 39
F 15	20 25	19 27	3 50	11 8	2 2	23 8	0 20	20 1	1 9	23 5	0 26	4 4	2 34	6 50	0 38	19 45	0 3	13 30	8 39	2 31	2 57	28 32	10 52	5 39
S 16	20 13	13 36	2 52	10 43	2 14	23 8	0 18	19 51	1 9	23 6	0 26	4 4	2 35	6 50	0 38	19 44	0 3	13 31	8 39	2 28	2 56	28 32	10 50	5 38
S 17	20 1	7 12	1 45	10 20	2 26	23 7	0 15	19 42	1 9	23 7	0 26	4 4	2 35	6 50	0 38	19 44	0 3	13 31	8 38	2 27	2 54	28 32	10 48	5 38
M18	19 48	0 39	0 34	9 58	2 38	23 6	0 12	19 32	1 9	23 8	0 26	4 4	2 35	6 50	0 38	19 43	0 3	13 31	8 38	2 26	2 53	28 31	10 46	5 38
T 19	19 35	5n42	0n37	9 37	2 51	23 4	0 9	19 22	1 9	23 9	0 26	4 3	2 35	6 50	0 38	19 43	0 3	13 31	8 38	2 26	2 52	28 31	10 44	5 38
W20	19 22	11 37	1 43	9 19	3 3	23 1	0 7	19 12	1 9	23 10	0 26	4 3	2 36	6 50	0 38	19 42	0 3	13 32	8 37	2 26	2 50	28 31	10 41	5 38
T 21	19 8	16 55	2 43	9 1	3 14	22 58	0 4	19 2	1 9	23 11	0 27	4 3	2 36	6 50	0 38	19 42	0 3	13 32	8 37	2 26	2 49	28 30	10 39	5 37
F 22	18 54	21 24	3 34	8 46	3 26	22 54	0 1	18 51	1 9	23 12	0 27	4 3	2 36	6 50	0 38	19 41	0 3	13 32	8 37	2 26	2 48	28 30	10 37	5 37
S 23	18 39	24 55	4 15	8 33	3 37	22 50	0n 1	18 41	1 9	23 12	0 27	4 3	2 37	6 49	0 38	19 41	0 3	13 32	8 36	2 25	2 47	28 30	10 35	5 37
S 24	18 25	27 20	4 44	8 22	3 48	22 44	0 4	18 30	1 9	23 13	0 27	4 2	2 37	6 49	0 38	19 40	0 3	13 32	8 36	2 22	2 45	28 29	10 33	5 37
M25	18 10	28 29	5 0	8 14	3 58	22 38	0 7	18 19	1 9	23 14	0 27	4 2	2 37	6 49	0 38	19 40	0 3	13 33	8 36	2 19	2 44	28 29	10 31	5 37
T 26	17 54	28 20	5 4	8 8	4 7	22 32	0 9	18 9	1 9	23 15	0 27	4 1	2 37	6 49	0 38	19 39	0 3	13 33	8 35	2 15	2 43	28 29	10 28	5 36
W27	17 39	26 53	4 55	8 5	4 15	22 24	0 12	17 58	1 9	23 16	0 27	4 1	2 38	6 49	0 38	19 39	0 3	13 33	8 35	2 11	2 42	28 28	10 26	5 36
T 28	17 23	24 11	4 32	8 4	4 23	22 16	0 15	17 47	1 9	23 16	0 27	4 1	2 38	6 49	0 38	19 38	0 3	13 34	8 34	2 7	2 40	28 28	10 24	5 36
F 29	17 7	20 25	3 58	8 7	4 29	22 8	0 17	17 35	1 9	23 17	0 27	4 0	2 38	6 48	0 38	19 38	0 3	13 34	8 34	2 4	2 39	28 27	10 22	5 36
S 30	16 50	15 46	3 11	8 12	4 34	21 59	0 20	17 24	1 9	23 18	0 27	3 59	2 38	6 48	0 38	19 37	0 3	13 34	8 34	2 0	2 38	28 27	10 20	5 36
S 31	16n34	10n26	2n16	8n21	4s38	21n49	0n22	17n13	1n 9	23s18	0s27	3n59	2s39	6n48	0s38	19n37	0s 3	13s34	8n33	1n58	2n37	28n27	10n17	5s36

Julian Day Number = 2181819.5, Delta T = 11m26s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'29, Lahiri = 13°33'30 Julian Calendar 1 July 1261 == Greg. Calendar 8 July 1261

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

AUGUST 1261 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 7 15	15♌25'28	21♍14	25°R55	24♋56	16♌37	13°R24	16°R15	18°R46	2♌38	10°R 0	4°R54	6♈30	7♋53	17♌44	M 1
T 2	21 11 12	16°23'15	3♎55	25♌11	26° 9	17°16	13♏19	16♈14	18♈46	2°40	9♐59	4°D53	6°27	8° 0	17°52	T 2
W 3	21 15 8	17°21'03	16°50	24°23	27°22	17°54	13°14	16°13	18°45	2°42	9°59	4♈53	6°23	8° 7	18° 0	W 3
T 4	21 19 5	18°18'52	0♏ 1	23°32	28°36	18°32	13° 8	16°11	18°44	2°44	9°59	4°54	6°20	8°13	18° 8	T 4
F 5	21 23 1	19°16'42	13°31	22°39	29°49	19°10	13° 3	16°10	18°43	2°46	9°58	4°R55	6°17	8°20	18°16	F 5
S 6	21 26 58	20°14'34	27°20	21°45	1♌ 3	19°48	12°59	16° 8	18°42	2°49	9°58	4°55	6°14	8°27	18°24	S 6
S 7	21 30 54	21°12'27	11♐29	20°51	2°16	20°27	12°54	16° 7	18°41	2°51	9°58	4°53	6°11	8°33	18°32	S 7
M 8	21 34 51	22°10'21	25°58	19°58	3°30	21° 5	12°50	16° 5	18°40	2°53	9°58	4°50	6° 7	8°40	18°41	M 8
T 9	21 38 48	23° 8'17	10♑42	19° 8	4°44	21°43	12°45	16° 3	18°39	2°55	9°57	4°45	6° 4	8°47	18°49	T 9
W10	21 42 44	24° 6'14	25°36	18°21	5°57	22°21	12°41	16° 1	18°38	2°57	9°57	4°39	6° 1	8°54	18°57	W10
T 11	21 46 41	25° 4'12	10♒31	17°38	7°11	22°59	12°37	15°59	18°37	2°59	9°57	4°33	5°58	9° 0	19° 5	T 11
F 12	21 50 37	26° 2'12	25°18	17° 0	8°25	23°38	12°34	15°57	18°36	3° 1	9°57	4°28	5°55	9° 7	19°13	F 12
S 13	21 54 34	27° 0'13	9♓51	16°29	9°39	24°16	12°30	15°55	18°35	3° 3	9°57	4°24	5°52	9°14	19°21	S 13
S 14	21 58 30	27°58'17	24° 2	16° 6	10°53	24°54	12°27	15°53	18°33	3° 5	9°D57	4°22	5°48	9°21	19°29	S 14
M15	22 2 27	28°56'21	7♈48	15°49	12° 6	25°32	12°23	15°50	18°32	3° 8	9°57	4°D22	5°45	9°27	19°37	M15
T 16	22 6 23	29°54'28	21° 8	15°D41	13°20	26°10	12°20	15°48	18°31	3°10	9°57	4°23	5°42	9°34	19°45	T 16
W17	22 10 20	0♍52'37	4♉ 3	15°42	14°34	26°49	12°17	15°45	18°29	3°12	9°57	4°24	5°39	9°41	19°53	W17
T 18	22 14 17	1°50'48	16°38	15°51	15°48	27°27	12°15	15°42	18°28	3°14	9°57	4°26	5°36	9°47	20° 1	T 18
F 19	22 18 13	2°49'01	28°54	16° 9	17° 2	28° 5	12°12	15°40	18°26	3°16	9°57	4°R27	5°33	9°54	20° 9	F 19
S 20	22 22 10	3°47'16	10♊58	16°35	18°17	28°44	12°10	15°37	18°25	3°18	9°57	4°27	5°29	10° 1	20°17	S 20
S 21	22 26 6	4°45'34	22°54	17°11	19°31	29°22	12° 8	15°34	18°23	3°20	9°58	4°25	5°26	10° 8	20°25	S 21
M22	22 30 3	5°43'53	4♋47	17°54	20°45	0♍ 0	12° 6	15°31	18°22	3°22	9°58	4°22	5°23	10°14	20°33	M22
T 23	22 33 59	6°42'14	16°40	18°46	21°59	0°38	12° 4	15°28	18°20	3°23	9°58	4°18	5°20	10°21	20°40	T 23
W24	22 37 56	7°40'38	28°37	19°45	23°13	1°17	12° 2	15°25	18°19	3°25	9°58	4°14	5°17	10°28	20°48	W24
T 25	22 41 52	8°39'03	10♌41	20°51	24°28	1°55	12° 1	15°21	18°17	3°27	9°59	4°10	5°13	10°35	20°56	T 25
F 26	22 45 49	9°37'31	22°55	22° 4	25°42	2°33	12° 0	15°18	18°15	3°29	9°59	4° 6	5°10	10°41	21° 4	F 26
S 27	22 49 46	10°36'00	5♍19	23°23	26°56	3°12	11°59	15°14	18°13	3°31	10° 0	4° 2	5° 7	10°48	21°12	S 27
S 28	22 53 42	11°34'31	17°56	24°47	28°11	3°50	11°58	15°11	18°12	3°33	10° 0	4° 0	5° 4	10°55	21°20	S 28
M29	22 57 39	12°33'04	0♎44	26°16	29°25	4°28	11°57	15° 7	18°10	3°35	10° 1	3°D59	5° 1	11° 1	21°28	M29
T 30	23 1 35	13°31'39	13°46	27°49	0♍40	5° 7	11°57	15° 4	18° 8	3°37	10° 1	4° 0	4°58	11° 8	21°35	T 30
W31	23 5 32	14♍30'16	27♎ 0	29♌26	1♍54	5♍45	11♑57	15♈ 0	18♈ 6	3♌38	10♐ 2	4♈ 1	4♈54	11♋15	21♌43	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n17	4n36	1n13	8n32	4s40	21n38	0n25	17n 1	1n 9	23s19	0s28	3n58	2s39	6n48	0s38	19n37	0s 3	13s35	8n33	1n57	2n35	28n26	10n15	5s36
T 2	15 59	1s29	0 5	8 46	4 41	21 27	0 27	16 49	1 9	23 20	0 28	3 57	2 39	6 47	0 38	19 36	0 3	13 35	8 33	1 57	2 34	28 26	10 13	5 36
W 3	15 42	7 38	1s 4	9 3	4 40	21 15	0 29	16 38	1 9	23 20	0 28	3 57	2 40	6 47	0 38	19 36	0 3	13 35	8 32	1 57	2 33	28 25	10 10	5 35
T 4	15 24	13 35	2 12	9 22	4 37	21 3	0 32	16 26	1 9	23 21	0 28	3 56	2 40	6 47	0 38	19 35	0 3	13 36	8 32	1 57	2 32	28 25	10 8	5 35
F 5	15 6	19 2	3 13	9 44	4 32	20 50	0 34	16 14	1 9	23 21	0 28	3 55	2 40	6 46	0 39	19 35	0 3	13 36	8 32	1 58	2 30	28 24	10 6	5 35
S 6	14 48	23 37	4 5	10 8	4 25	20 36	0 37	16 1	1 9	23 22	0 28	3 54	2 40	6 46	0 39	19 34	0 3	13 36	8 31	1 58	2 29	28 24	10 3	5 35
S 7	14 29	26 56	4 44	10 33	4 16	20 22	0 39	15 49	1 9	23 22	0 28	3 54	2 41	6 45	0 39	19 34	0 3	13 37	8 31	1 57	2 28	28 23	10 1	5 35
M 8	14 11	28 34	5 5	11 0	4 5	20 7	0 41	15 37	1 9	23 23	0 28	3 53	2 41	6 45	0 39	19 33	0 3	13 37	8 30	1 56	2 27	28 23	9 59	5 35
T 9	13 52	28 13	5 7	11 27	3 53	19 52	0 43	15 25	1 9	23 23	0 28	3 52	2 41	6 45	0 39	19 33	0 3	13 37	8 30	1 54	2 25	28 22	9 56	5 35
W10	13 32	25 50	4 49	11 55	3 39	19 36	0 45	15 12	1 9	23 24	0 28	3 51	2 41	6 44	0 39	19 32	0 3	13 38	8 30	1 51	2 24	28 22	9 54	5 35
T 11	13 13	21 42	4 11	12 22	3 24	19 19	0 48	14 59	1 9	23 24	0 28	3 50	2 42	6 44	0 39	19 32	0 3	13 38	8 29	1 49	2 23	28 21	9 51	5 35
F 12	12 53	16 13	3 16	12 49	3 7	19 2	0 50	14 47	1 9	23 25	0 28	3 49	2 42	6 43	0 39	19 31	0 3	13 38	8 29	1 47	2 21	28 21	9 49	5 35
S 13	12 34	9 54	2 9	13 15	2 50	18 44	0 52	14 34	1 9	23 25	0 28	3 48	2 42	6 43	0 39	19 31	0 3	13 39	8 29	1 45	2 20	28 20	9 47	5 35
S 14	12 14	3 14	0 56	13 40	2 32	18 26	0 54	14 21	1 8	23 26	0 29	3 47	2 42	6 42	0 39	19 30	0 3	13 39	8 28	1 45	2 19	28 20	9 44	5 35
M15	11 53	3n23	0n19	14 2	2 14	18 7	0 56	14 8	1 8	23 26	0 29	3 45	2 43	6 42	0 39	19 30	0 3	13 39	8 28	1 44	2 18	28 19	9 42	5 35
T 16	11 33	9 40	1 30	14 22	1 55	17 48	0 57	13 55	1 8	23 26	0 29	3 44	2 43	6 41	0 39	19 29	0 3	13 40	8 28	1 45	2 16	28 19	9 39	5 35
W17	11 12	15 21	2 35	14 40	1 36	17 28	0 59	13 42	1 8	23 27	0 29	3 43	2 43	6 41	0 39	19 29	0 3	13 40	8 27	1 45	2 15	28 18	9 37	5 35
T 18	10 52	20 14	3 30	14 55	1 17	17 8	1 1	13 28	1 8	23 27	0 29	3 42	2 43	6 40	0 39	19 28	0 3	13 41	8 27	1 46	2 14	28 18	9 34	5 35
F 19	10 31	24 8	4 15	15 7	0 59	16 47	1 3	13 15	1 8	23 27	0 29	3 40	2 44	6 40	0 39	19 28	0 3	13 41	8 26	1 46	2 13	28 17	9 32	5 35
S 20	10 10	26 55	4 47	15 16	0 41	16 26	1 4	13 2	1 8	23 27	0 29	3 39	2 44	6 39	0 39	19 28	0 3	13 41	8 26	1 46	2 11	28 16	9 29	5 35
S 21	9 48	28 27	5 6	15 22	0 24	16 4	1 6	12 48	1 8	23 28	0 29	3 38	2 44	6 38	0 39	19 27	0 3	13 42	8 26	1 46	2 10	28 16	9 27	5 35
M22	9 27	28 39	5 13	15 24	0 8	15 42	1 8	12 35	1 8	23 28	0 29	3 36	2 44	6 38	0 39	19 27	0 3	13 42	8 25	1 45	2 9	28 15	9 24	5 35
T 23	9 5	27 33	5 5	15 23	0n 7	15 20	1 9	12 21	1 8	23 28	0 29	3 35	2 44	6 37	0 39	19 26	0 3	13 43	8 25	1 43	2 8	28 14	9 22	5 35
W24	8 43	25 10	4 45	15 18	0 22	14 57	1 10	12 7	1 8	23 28	0 29	3 34	2 45	6 36	0 39	19 26	0 2	13 43	8 25	1 41	2 6	28 14	9 19	5 35
T 25	8 22	21 40	4 12	15 9	0 35	14 33	1 12	11 53	1 8	23 29	0 29	3 32	2 45	6 36	0 39	19 25	0 2	13 43	8 24	1 40	2 5	28 13	9 17	5 35
F 26	8 0	17 11	3 27	14 58	0 47	14 9	1 13	11 39	1 7	23 29	0 29	3 31	2 45	6 35	0 39	19 25	0 2	13 44	8 24	1 38	2 4	28 13	9 14	5 35
S 27	7 37	11 56	2 31	14 42	0 59	13 45	1 14	11 25	1 7	23 29	0 29	3 29	2 45	6 34	0 39	19 24	0 2	13 44	8 23	1 37	2 3	28 12	9 12	5 35
S 28	7 15	6 8	1 27	14 24	1 9	13 20	1 16	11 11	1 7	23 29	0 29	3 28	2 45	6 34	0 39	19 24	0 2	13 45	8 23	1 36	2 1	28 11	9 9	5 35
M29	6 53	0s 1	0 18	14 2	1 18	12 55	1 17	10 57	1 7	23 29	0 29	3 26	2 46	6 33	0 39	19 24	0 2	13 45	8 23	1 36	2 0	28 11	9 7	5 36
T 30	6 30	6 16	0s54	13 37	1 25	12 30	1 18	10 43	1 7	23 29	0 29	3 25	2 46	6 32	0 39	19 23	0 2	13 46	8 22	1 36	1 59	28 10	9 4	5 36
W31	6n 7	12s22	2s 3	13n 9	1n32	12n 4	1n19	10n29	1n 7	23s29	0s29	3n23	2s46	6n32	0s39	19n23	0s 2	13s46	8n22	1n36	1n57	28n 9	9n 1	5s36

Julian Day Number = 2181850.5, Delta T = 11m26s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'33, Lahiri = 13°33'34 Julian Calendar 1 Aug. 1261 == Greg. Calendar 8 Aug. 1261

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

SEPTEMBER 1261 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 9 28	15♍28'55	10♏27	1♍ 6	3♍ 8	6♍23	11°D57	14°R56	18°R 4	3♌40	10♐ 2	4♈ 2	4♈51	11♋22	21♌51	T 1
F 2	23 13 25	16°27'35	24° 8	2°49	4°23	7° 2	11♑57	14♈52	18♈ 2	3°42	10° 3	4° 3	4°48	11°28	21°58	F 2
S 3	23 17 21	17°26'18	8♐ 1	4°33	5°38	7°40	11°57	14°48	18° 0	3°44	10° 3	4° 4	4°45	11°35	22° 6	S 3
S 4	23 21 18	18°25'01	22° 6	6°20	6°52	8°19	11°58	14°44	17°58	3°45	10° 4	4°R 4	4°42	11°42	22°14	S 4
M 5	23 25 15	19°23'47	6♑22	8° 7	8° 7	8°57	11°59	14°40	17°56	3°47	10° 5	4° 4	4°39	11°48	22°21	M 5
T 6	23 29 11	20°22'35	20°46	9°56	9°21	9°36	12° 0	14°36	17°54	3°49	10° 5	4° 3	4°35	11°55	22°29	T 6
W 7	23 33 8	21°21'24	5♒14	11°45	10°36	10°14	12° 1	14°32	17°52	3°50	10° 6	4° 1	4°32	12° 2	22°36	W 7
T 8	23 37 4	22°20'14	19°41	13°35	11°51	10°52	12° 2	14°28	17°50	3°52	10° 7	4° 0	4°29	12° 9	22°44	T 8
F 9	23 41 1	23°19'07	4♓ 3	15°25	13° 6	11°31	12° 4	14°24	17°48	3°53	10° 8	3°58	4°26	12°15	22°51	F 9
S 10	23 44 57	24°18'02	18°14	17°14	14°20	12° 9	12° 5	14°19	17°45	3°55	10° 9	3°58	4°23	12°22	22°59	S 10
S 11	23 48 54	25°16'58	2♈ 9	19° 4	15°35	12°48	12° 7	14°15	17°43	3°57	10° 9	3°D57	4°19	12°29	23° 6	S 11
M12	23 52 50	26°15'57	15°45	20°53	16°50	13°26	12° 9	14°11	17°41	3°58	10°10	3°57	4°16	12°36	23°13	M12
T 13	23 56 47	27°14'58	29° 1	22°41	18° 5	14° 5	12°12	14° 6	17°39	4° 0	10°11	3°58	4°13	12°42	23°21	T 13
W14	0 0 44	28°14'01	11♉56	24°29	19°19	14°43	12°14	14° 2	17°36	4° 1	10°12	3°58	4°10	12°49	23°28	W14
T 15	0 4 40	29°13'06	24°32	26°17	20°34	15°22	12°17	13°57	17°34	4° 3	10°13	3°59	4° 7	12°56	23°35	T 15
F 16	0 8 37	0♎12'14	6♊51	28° 4	21°49	16° 0	12°20	13°53	17°32	4° 4	10°14	3°59	4° 4	13° 2	23°42	F 16
S 17	0 12 33	1°11'24	18°57	29°50	23° 4	16°39	12°23	13°48	17°30	4° 5	10°15	4° 0	4° 0	13° 9	23°49	S 17
S 18	0 16 30	2°10'36	0♋54	1♎35	24°19	17°17	12°26	13°43	17°27	4° 7	10°17	4°R 0	3°57	13°16	23°56	S 18
M19	0 20 26	3° 9'51	12°47	3°20	25°34	17°56	12°29	13°39	17°25	4° 8	10°18	4° 0	3°54	13°23	24° 3	M19
T 20	0 24 23	4° 9'08	24°41	5° 4	26°49	18°35	12°33	13°34	17°23	4° 9	10°19	4°D 0	3°51	13°29	24°10	T 20
W21	0 28 19	5° 8'28	6♌39	6°47	28° 4	19°13	12°37	13°29	17°20	4°11	10°20	4° 0	3°48	13°36	24°17	W21
T 22	0 32 16	6° 7'49	18°47	8°29	29°19	19°52	12°41	13°25	17°18	4°12	10°21	4° 0	3°45	13°43	24°24	T 22
F 23	0 36 13	7° 7'13	1♍ 7	10°11	0♎34	20°30	12°45	13°20	17°15	4°13	10°22	4° 0	3°41	13°49	24°31	F 23
S 24	0 40 9	8° 6'39	13°42	11°52	1°49	21° 9	12°49	13°15	17°13	4°14	10°24	4° 1	3°38	13°56	24°38	S 24
S 25	0 44 6	9° 6'08	26°34	13°32	3° 4	21°48	12°54	13°10	17°11	4°16	10°25	4° 1	3°35	14° 3	24°44	S 25
M26	0 48 2	10° 5'38	9♎43	15°12	4°19	22°26	12°58	13° 6	17° 8	4°17	10°26	4°R 1	3°32	14°10	24°51	M26
T 27	0 51 59	11° 5'10	23° 9	16°50	5°35	23° 5	13° 3	13° 1	17° 6	4°18	10°28	4° 1	3°29	14°16	24°58	T 27
W28	0 55 55	12° 4'45	6♏50	18°28	6°50	23°44	13° 8	12°56	17° 3	4°19	10°29	4° 0	3°25	14°23	25° 4	W28
T 29	0 59 52	13° 4'21	20°44	20° 6	8° 5	24°23	13°13	12°51	17° 1	4°20	10°30	3°59	3°22	14°30	25°11	T 29
F 30	1 3 48	14♎ 4'00	4♐47	21♎43	9♎20	25♍ 1	13♑19	12♈46	16♈58	4♌21	10♐32	3♈58	3♈19	14♋36	25♌17	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n45	17s59	3s 8	12n39	1n38	11n38	1n20	10n14	1n 7	23s29	0s29	3n21	2s46	6n31	0s39	19n22	0s 2	13s46	8n22	1n37	1n56	28n 9	8n59	5s36
F 2	5 22	22 48	4 2	12 6	1 42	11 12	1 21	10 0	1 7	23 29	0 29	3 20	2 46	6 30	0 39	19 22	0 2	13 47	8 21	1 37	1 55	28 8	8 56	5 36
S 3	4 59	26 24	4 44	11 31	1 46	10 45	1 22	9 45	1 7	23 29	0 29	3 18	2 46	6 29	0 39	19 22	0 2	13 47	8 21	1 37	1 54	28 7	8 54	5 36
S 4	4 36	28 26	5 9	10 54	1 48	10 18	1 22	9 31	1 6	23 29	0 30	3 16	2 47	6 29	0 39	19 21	0 2	13 48	8 20	1 38	1 52	28 6	8 51	5 36
M 5	4 13	28 38	5 15	10 16	1 50	9 51	1 23	9 16	1 6	23 29	0 30	3 15	2 47	6 28	0 39	19 21	0 2	13 48	8 20	1 37	1 51	28 6	8 49	5 36
T 6	3 50	26 54	5 2	9 35	1 51	9 23	1 24	9 2	1 6	23 29	0 30	3 13	2 47	6 27	0 39	19 20	0 2	13 49	8 20	1 37	1 50	28 5	8 46	5 37
W 7	3 26	23 24	4 30	8 54	1 51	8 55	1 24	8 47	1 6	23 29	0 30	3 11	2 47	6 26	0 39	19 20	0 2	13 49	8 19	1 36	1 49	28 4	8 44	5 37
T 8	3 3	18 28	3 41	8 11	1 51	8 27	1 25	8 32	1 6	23 29	0 30	3 10	2 47	6 25	0 39	19 20	0 2	13 50	8 19	1 36	1 47	28 3	8 41	5 37
F 9	2 40	12 31	2 38	7 27	1 50	7 59	1 25	8 17	1 6	23 29	0 30	3 8	2 47	6 24	0 39	19 19	0 2	13 50	8 19	1 35	1 46	28 3	8 38	5 37
S 10	2 16	5 59	1 26	6 43	1 48	7 30	1 26	8 2	1 6	23 29	0 30	3 6	2 47	6 24	0 39	19 19	0 2	13 51	8 18	1 35	1 45	28 2	8 36	5 37
S 11	1 53	0n42	0 10	5 58	1 46	7 1	1 26	7 48	1 6	23 29	0 30	3 4	2 47	6 23	0 39	19 19	0 2	13 51	8 18	1 35	1 44	28 1	8 33	5 37
M12	1 29	7 13	1n 5	5 12	1 43	6 32	1 26	7 33	1 5	23 28	0 30	3 2	2 48	6 22	0 39	19 18	0 2	13 52	8 18	1 35	1 42	28 0	8 31	5 38
T 13	1 6	13 16	2 14	4 26	1 39	6 3	1 26	7 18	1 5	23 28	0 30	3 1	2 48	6 21	0 39	19 18	0 2	13 52	8 17	1 35	1 41	28 0	8 28	5 38
W14	0 42	18 34	3 15	3 40	1 36	5 34	1 26	7 2	1 5	23 28	0 30	2 59	2 48	6 20	0 39	19 18	0 2	13 53	8 17	1 35	1 40	27 59	8 26	5 38
T 15	0 19	22 56	4 5	2 53	1 31	5 4	1 26	6 47	1 5	23 28	0 30	2 57	2 48	6 19	0 39	19 17	0 2	13 53	8 16	1 35	1 38	27 58	8 23	5 38
F 16	0s 5	26 10	4 42	2 6	1 27	4 35	1 26	6 32	1 5	23 28	0 30	2 55	2 48	6 18	0 39	19 17	0 2	13 53	8 16	1 36	1 37	27 57	8 21	5 39
S 17	0 29	28 9	5 6	1 19	1 22	4 5	1 26	6 17	1 5	23 27	0 30	2 53	2 48	6 18	0 39	19 17	0 2	13 54	8 16	1 36	1 36	27 56	8 18	5 39
S 18	0 52	28 48	5 16	0 33	1 17	3 35	1 26	6 2	1 4	23 27	0 30	2 51	2 48	6 17	0 39	19 16	0 2	13 54	8 15	1 36	1 35	27 56	8 16	5 39
M19	1 16	28 7	5 13	0s14	1 12	3 5	1 26	5 47	1 4	23 27	0 30	2 49	2 48	6 16	0 39	19 16	0 2	13 55	8 15	1 36	1 33	27 55	8 13	5 39
T 20	1 39	26 8	4 57	1 1	1 6	2 35	1 26	5 31	1 4	23 26	0 30	2 48	2 48	6 15	0 39	19 16	0 2	13 55	8 15	1 36	1 32	27 54	8 11	5 40
W21	2 3	22 59	4 27	1 47	1 0	2 4	1 25	5 16	1 4	23 26	0 30	2 46	2 48	6 14	0 39	19 15	0 2	13 56	8 14	1 36	1 31	27 53	8 8	5 40
T 22	2 27	18 49	3 45	2 33	0 54	1 34	1 25	5 0	1 4	23 26	0 30	2 44	2 48	6 13	0 39	19 15	0 2	13 56	8 14	1 36	1 30	27 52	8 6	5 40
F 23	2 50	13 48	2 52	3 19	0 48	1 4	1 24	4 45	1 4	23 25	0 30	2 42	2 48	6 12	0 39	19 15	0 2	13 57	8 14	1 36	1 28	27 51	8 3	5 40
S 24	3 14	8 8	1 50	4 4	0 42	0 33	1 24	4 30	1 3	23 25	0 30	2 40	2 48	6 11	0 39	19 15	0 2	13 57	8 13	1 36	1 27	27 50	8 1	5 41
S 25	3 37	2 0	0 41	4 49	0 35	0 3	1 23	4 14	1 3	23 25	0 30	2 38	2 48	6 10	0 39	19 14	0 2	13 58	8 13	1 36	1 26	27 49	7 58	5 41
M26	4 1	4s21	0s32	5 34	0 29	0s28	1 22	3 59	1 3	23 24	0 30	2 36	2 48	6 9	0 39	19 14	0 2	13 58	8 13	1 36	1 25	27 49	7 56	5 41
T 27	4 24	10 39	1 44	6 18	0 22	0 58	1 22	3 43	1 3	23 24	0 30	2 34	2 48	6 8	0 39	19 14	0 2	13 59	8 12	1 36	1 23	27 48	7 53	5 42
W28	4 48	16 33	2 52	7 2	0 16	1 29	1 21	3 27	1 3	23 23	0 30	2 33	2 48	6 7	0 39	19 14	0 2	14 0	8 12	1 36	1 22	27 47	7 51	5 42
T 29	5 11	21 43	3 51	7 45	0 9	2 0	1 20	3 12	1 2	23 23	0 30	2 31	2 48	6 6	0 39	19 13	0 2	14 0	8 12	1 35	1 21	27 46	7 48	5 42
F 30	5s34	25s42	4s36	8s28	0n 2	2s30	1n19	2n56	1n 2	23s22	0s30	2n29	2s48	6n 6	0s39	19n13	0s 2	14s 1	8n11	1n35	1n19	27n45	7n46	5s43

Julian Day Number = 2181881.5, Delta T = 11m26s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'38, Lahiri = 13°33'38 Julian Calendar 1 Sept. 1261 == Greg. Calendar 8 Sept. 1261

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

OCTOBER 1261 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 7 45	15♎ 3'40	18♐56	23♎19	10♎35	25♍40	13♑24	12°R42	16°R56	4♌22	10♐33	3°R56	3♈16	14♋43	25♌23	S 1
S 2	1 11 41	16° 3'22	3♑ 8	24°54	11°50	26°19	13°30	12♈37	16♈53	4°23	10°35	3♈56	3°13	14°50	25°30	S 2
M 3	1 15 38	17° 3'06	17°21	26°29	13° 6	26°58	13°36	12°32	16°51	4°24	10°36	3°D55	3°10	14°57	25°36	M 3
T 4	1 19 35	18° 2'52	1♒32	28° 4	14°21	27°36	13°42	12°27	16°49	4°25	10°38	3°56	3° 6	15° 3	25°42	T 4
W 5	1 23 31	19° 2'39	15°39	29°37	15°36	28°15	13°48	12°22	16°46	4°26	10°39	3°57	3° 3	15°10	25°48	W 5
T 6	1 27 28	20° 2'27	29°40	1♏11	16°51	28°54	13°55	12°18	16°44	4°26	10°41	3°58	3° 0	15°17	25°54	T 6
F 7	1 31 24	21° 2'18	13♓33	2°43	18° 6	29°33	14° 1	12°13	16°41	4°27	10°43	3°59	2°57	15°24	26° 0	F 7
S 8	1 35 21	22° 2'10	27°16	4°15	19°22	0♎12	14° 8	12° 8	16°39	4°28	10°44	4°R 0	2°54	15°30	26° 6	S 8
S 9	1 39 17	23° 2'04	10♈46	5°47	20°37	0°50	14°15	12° 4	16°36	4°29	10°46	4° 0	2°50	15°37	26°12	S 9
M10	1 43 14	24° 2'00	24° 4	7°18	21°52	1°29	14°22	11°59	16°34	4°29	10°48	3°59	2°47	15°44	26°18	M10
T 11	1 47 10	25° 1'58	7♉ 6	8°49	23° 7	2° 8	14°29	11°54	16°31	4°30	10°49	3°57	2°44	15°50	26°23	T 11
W12	1 51 7	26° 1'58	19°53	10°19	24°23	2°47	14°36	11°50	16°29	4°31	10°51	3°53	2°41	15°57	26°29	W12
T 13	1 55 4	27° 2'00	2♊24	11°48	25°38	3°26	14°44	11°45	16°27	4°31	10°53	3°50	2°38	16° 4	26°34	T 13
F 14	1 59 0	28° 2'04	14°41	13°17	26°53	4° 5	14°51	11°41	16°24	4°32	10°54	3°46	2°35	16°11	26°40	F 14
S 15	2 2 57	29° 2'11	26°47	14°46	28° 9	4°44	14°59	11°36	16°22	4°33	10°56	3°42	2°31	16°17	26°45	S 15
S 16	2 6 53	0♏ 2'19	8♋44	16°14	29°24	5°23	15° 7	11°32	16°20	4°33	10°58	3°39	2°28	16°24	26°50	S 16
M17	2 10 50	1° 2'30	20°37	17°41	0♏39	6° 2	15°15	11°28	16°17	4°34	11° 0	3°37	2°25	16°31	26°56	M17
T 18	2 14 46	2° 2'42	2♌29	19° 8	1°55	6°41	15°23	11°23	16°15	4°34	11° 2	3°D37	2°22	16°37	27° 1	T 18
W19	2 18 43	3° 2'57	14°26	20°35	3°10	7°20	15°31	11°19	16°13	4°34	11° 4	3°37	2°19	16°44	27° 6	W19
T 20	2 22 39	4° 3'13	26°33	22° 0	4°25	7°59	15°40	11°15	16°10	4°35	11° 5	3°39	2°16	16°51	27°11	T 20
F 21	2 26 36	5° 3'32	8♍54	23°25	5°41	8°38	15°48	11°10	16° 8	4°35	11° 7	3°41	2°12	16°58	27°16	F 21
S 22	2 30 33	6° 3'52	21°34	24°49	6°56	9°17	15°57	11° 6	16° 6	4°35	11° 9	3°42	2° 9	17° 4	27°20	S 22
S 23	2 34 29	7° 4'15	4♎35	26°13	8°12	9°56	16° 6	11° 2	16° 3	4°36	11°11	3°R43	2° 6	17°11	27°25	S 23
M24	2 38 26	8° 4'39	17°59	27°35	9°27	10°35	16°15	10°58	16° 1	4°36	11°13	3°42	2° 3	17°18	27°30	M24
T 25	2 42 22	9° 5'06	1♏46	28°57	10°42	11°14	16°24	10°54	15°59	4°36	11°15	3°39	2° 0	17°24	27°34	T 25
W26	2 46 19	10° 5'34	15°53	0♐17	11°58	11°53	16°33	10°50	15°57	4°36	11°17	3°35	1°56	17°31	27°38	W26
T 27	2 50 15	11° 6'03	0♐16	1°37	13°13	12°32	16°43	10°47	15°55	4°36	11°19	3°29	1°53	17°38	27°43	T 27
F 28	2 54 12	12° 6'35	14°48	2°55	14°29	13°12	16°52	10°43	15°52	4°36	11°21	3°23	1°50	17°45	27°47	F 28
S 29	2 58 8	13° 7'07	29°24	4°11	15°44	13°51	17° 2	10°39	15°50	4°37	11°23	3°17	1°47	17°51	27°51	S 29
S 30	3 2 5	14° 7'42	13♑56	5°26	16°59	14°30	17°12	10°36	15°48	4°R37	11°25	3°12	1°44	17°58	27°55	S 30
M31	3 6 2	15♏ 8'17	28♑19	6♐39	18♏15	15♎ 9	17♑22	10♈32	15♈46	4♌37	11♐27	3♈ 9	1♈41	18♋ 5	27♌59	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s57	28s 9	5s 5	9s10	0s 5	3s 1	1n18	2n41	1n 2	23s22	0s30	2n27	2s48	6n 5	0s39	19n13	0s 2	14s 1	8n11	1n34	1n18	27n44	7n43	5s43
S 2	6 20	28 46	5 16	9 52	0 12	3 31	1 17	2 25	1 2	23 21	0 30	2 25	2 48	6 4	0 39	19 13	0 2	14 2	8 11	1 34	1 17	27 43	7 41	5 43
M 3	6 44	27 29	5 7	10 33	0 18	4 1	1 16	2 9	1 2	23 20	0 30	2 23	2 48	6 3	0 39	19 12	0 2	14 2	8 10	1 34	1 16	27 42	7 39	5 44
T 4	7 6	24 27	4 40	11 13	0 25	4 32	1 15	1 54	1 1	23 20	0 30	2 21	2 48	6 2	0 39	19 12	0 2	14 3	8 10	1 34	1 14	27 41	7 36	5 44
W 5	7 29	19 58	3 56	11 53	0 32	5 2	1 14	1 38	1 1	23 19	0 30	2 20	2 48	6 1	0 39	19 12	0 2	14 3	8 10	1 34	1 13	27 40	7 34	5 44
T 6	7 52	14 25	2 58	12 32	0 39	5 32	1 12	1 22	1 1	23 19	0 30	2 18	2 48	6 0	0 39	19 12	0 2	14 4	8 10	1 35	1 12	27 39	7 32	5 45
F 7	8 15	8 12	1 50	13 11	0 45	6 2	1 11	1 7	1 1	23 18	0 30	2 16	2 48	5 59	0 39	19 12	0 2	14 4	8 9	1 35	1 11	27 38	7 29	5 45
S 8	8 37	1 40	0 37	13 48	0 52	6 32	1 10	0 51	1 1	23 17	0 30	2 14	2 48	5 58	0 39	19 11	0 2	14 5	8 9	1 36	1 9	27 37	7 27	5 46
S 9	8 59	4n51	0n37	14 25	0 58	7 2	1 8	0 35	1 0	23 17	0 30	2 12	2 48	5 57	0 39	19 11	0 2	14 5	8 9	1 36	1 8	27 36	7 25	5 46
M10	9 22	11 3	1 48	15 2	1 5	7 31	1 7	0 19	1 0	23 16	0 30	2 11	2 48	5 56	0 39	19 11	0 2	14 6	8 8	1 35	1 7	27 35	7 22	5 46
T 11	9 44	16 39	2 52	15 37	1 11	8 1	1 5	0 4	1 0	23 15	0 30	2 9	2 48	5 55	0 39	19 11	0 2	14 6	8 8	1 34	1 6	27 34	7 20	5 47
W12	10 6	21 24	3 46	16 12	1 18	8 30	1 4	0s12	1 0	23 14	0 30	2 7	2 48	5 54	0 39	19 11	0 2	14 7	8 8	1 33	1 4	27 33	7 18	5 47
T 13	10 27	25 6	4 28	16 46	1 24	8 59	1 2	0 28	0 59	23 13	0 30	2 6	2 48	5 53	0 39	19 11	0 2	14 7	8 8	1 32	1 3	27 32	7 16	5 48
F 14	10 49	27 34	4 56	17 19	1 30	9 28	1 0	0 43	0 59	23 13	0 30	2 4	2 48	5 53	0 39	19 11	0 2	14 8	8 7	1 30	1 2	27 31	7 13	5 48
S 15	11 11	28 41	5 11	17 51	1 36	9 57	0 59	0 59	0 59	23 12	0 30	2 2	2 48	5 52	0 39	19 10	0 2	14 8	8 7	1 29	1 0	27 30	7 11	5 48
S 16	11 32	28 26	5 12	18 23	1 41	10 25	0 57	1 15	0 59	23 11	0 30	2 1	2 48	5 51	0 39	19 10	0 2	14 9	8 7	1 27	0 59	27 29	7 9	5 49
M17	11 53	26 53	5 0	18 53	1 47	10 53	0 55	1 31	0 58	23 10	0 31	1 59	2 47	5 50	0 39	19 10	0 2	14 9	8 6	1 27	0 58	27 28	7 7	5 49
T 18	12 14	24 8	4 35	19 23	1 52	11 21	0 53	1 46	0 58	23 9	0 31	1 57	2 47	5 49	0 39	19 10	0 2	14 10	8 6	1 26	0 57	27 27	7 5	5 50
W19	12 35	20 21	3 57	19 51	1 57	11 49	0 51	2 2	0 58	23 8	0 31	1 56	2 47	5 48	0 39	19 10	0 2	14 10	8 6	1 27	0 55	27 26	7 3	5 50
T 20	12 55	15 41	3 9	20 19	2 2	12 16	0 49	2 18	0 58	23 7	0 31	1 54	2 47	5 47	0 39	19 10	0 2	14 11	8 6	1 27	0 54	27 25	7 0	5 51
F 21	13 16	10 18	2 11	20 45	2 7	12 43	0 47	2 33	0 57	23 6	0 31	1 53	2 47	5 46	0 39	19 10	0 2	14 11	8 5	1 28	0 53	27 24	6 58	5 51
S 22	13 36	4 22	1 6	21 10	2 11	13 10	0 45	2 49	0 57	23 5	0 31	1 51	2 47	5 45	0 39	19 10	0 2	14 12	8 5	1 29	0 52	27 22	6 56	5 52
S 23	13 56	1s54	0s 5	21 35	2 15	13 37	0 43	3 5	0 57	23 4	0 31	1 50	2 47	5 45	0 39	19 10	0 2	14 12	8 5	1 29	0 50	27 21	6 54	5 52
M24	14 15	8 16	1 17	21 58	2 19	14 3	0 41	3 20	0 57	23 3	0 31	1 48	2 47	5 44	0 39	19 10	0 2	14 13	8 5	1 28	0 49	27 20	6 52	5 53
T 25	14 35	14 26	2 27	22 20	2 23	14 29	0 39	3 36	0 56	23 2	0 31	1 47	2 46	5 43	0 39	19 10	0 2	14 13	8 4	1 27	0 48	27 19	6 50	5 53
W26	14 54	19 59	3 29	22 40	2 26	14 54	0 37	3 52	0 56	23 1	0 31	1 46	2 46	5 42	0 39	19 10	0 2	14 14	8 4	1 26	0 47	27 18	6 48	5 53
T 27	15 13	24 31	4 19	23 0	2 29	15 19	0 35	4 7	0 56	23 0	0 31	1 44	2 46	5 41	0 39	19 10	0 2	14 14	8 4	1 23	0 45	27 17	6 46	5 54
F 28	15 32	27 32	4 53	23 18	2 31	15 44	0 33	4 23	0 55	22 59	0 31	1 43	2 46	5 41	0 39	19 10	0 2	14 15	8 4	1 21	0 44	27 16	6 45	5 54
S 29	15 50	28 41	5 9	23 34	2 33	16 8	0 31	4 38	0 55	22 57	0 31	1 42	2 46	5 40	0 39	19 10	0 2	14 15	8 4	1 19	0 43	27 14	6 43	5 55
S 30	16 9	27 51	5 4	23 50	2 34	16 32	0 28	4 54	0 55	22 56	0 31	1 40	2 46	5 39	0 39	19 10	0 2	14 16	8 3	1 17	0 41	27 13	6 41	5 55
M31	16s27	25s 9	4s40	24s 3	2s35	16s55	0n26	5s 9	0n54	22s55	0s31	1n39	2s45	5n38	0s39	19n10	0s 2	14s16	8n 3	1n15	0n40	27n12	6n39	5s56

Julian Day Number = 2181911.5, Delta T = 11m26s
Ecliptic obliquity = 23°32'16, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'42, Lahiri = 13°33'42 Julian Calendar 1 Oct. 1261 == Greg. Calendar 8 Oct. 1261

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

NOVEMBER 1261 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 9 58	16♏ 8'53	12♒30	7♐50	19♏30	15♎48	17♑32	10°R29	15°R44	4°R37	11♐29	3°D 8	1♈37	18♋12	28♌ 3	T 1
W 2	3 13 55	17° 9'31	26°28	8°59	20°46	16°28	17°42	10♈25	15♈42	4♌36	11°32	3♈ 8	1°34	18°18	28° 7	W 2
T 3	3 17 51	18°10'10	10♓12	10° 4	22° 1	17° 7	17°52	10°22	15°40	4°36	11°34	3° 9	1°31	18°25	28°10	T 3
F 4	3 21 48	19°10'50	23°42	11° 7	23°16	17°46	18° 2	10°19	15°38	4°36	11°36	3°10	1°28	18°32	28°14	F 4
S 5	3 25 44	20°11'31	6♈59	12° 6	24°32	18°25	18°13	10°16	15°36	4°36	11°38	3°R11	1°25	18°38	28°17	S 5
S 6	3 29 41	21°12'13	20° 5	13° 1	25°47	19° 5	18°23	10°13	15°35	4°36	11°40	3° 9	1°22	18°45	28°21	S 6
M 7	3 33 37	22°12'57	3♉ 0	13°51	27° 3	19°44	18°34	10°10	15°33	4°36	11°42	3° 5	1°18	18°52	28°24	M 7
T 8	3 37 34	23°13'41	15°43	14°37	28°18	20°23	18°45	10° 7	15°31	4°35	11°44	2°59	1°15	18°59	28°27	T 8
W 9	3 41 31	24°14'28	28°16	15°16	29°33	21° 3	18°55	10° 4	15°29	4°35	11°46	2°51	1°12	19° 5	28°30	W 9
T 10	3 45 27	25°15'15	10♊37	15°49	0♐49	21°42	19° 6	10° 2	15°27	4°35	11°49	2°41	1° 9	19°12	28°33	T 10
F 11	3 49 24	26°16'04	22°49	16°14	2° 4	22°21	19°17	9°59	15°26	4°34	11°51	2°30	1° 6	19°19	28°36	F 11
S 12	3 53 20	27°16'54	4♋51	16°32	3°20	23° 1	19°29	9°57	15°24	4°34	11°53	2°20	1° 2	19°25	28°39	S 12
S 13	3 57 17	28°17'46	16°46	16°R40	4°35	23°40	19°40	9°54	15°22	4°33	11°55	2°11	0°59	19°32	28°41	S 13
M14	4 1 13	29°18'38	28°38	16°39	5°50	24°20	19°51	9°52	15°21	4°33	11°57	2° 4	0°56	19°39	28°44	M14
T 15	4 5 10	0♐19'33	10♌28	16°27	7° 6	24°59	20° 3	9°50	15°19	4°32	12° 0	1°59	0°53	19°46	28°46	T 15
W16	4 9 7	1°20'28	22°22	16° 4	8°21	25°39	20°14	9°48	15°18	4°32	12° 2	1°56	0°50	19°52	28°49	W16
T 17	4 13 3	2°21'25	4♍25	15°29	9°37	26°18	20°26	9°46	15°16	4°31	12° 4	1°D56	0°47	19°59	28°51	T 17
F 18	4 17 0	3°22'23	16°42	14°44	10°52	26°58	20°38	9°44	15°15	4°31	12° 6	1°57	0°43	20° 6	28°53	F 18
S 19	4 20 56	4°23'22	29°18	13°48	12° 7	27°37	20°49	9°42	15°14	4°30	12° 9	1°R57	0°40	20°12	28°55	S 19
S 20	4 24 53	5°24'23	12♎18	12°42	13°23	28°17	21° 1	9°40	15°12	4°29	12°11	1°57	0°37	20°19	28°57	S 20
M21	4 28 49	6°25'24	25°46	11°29	14°38	28°56	21°13	9°39	15°11	4°29	12°13	1°54	0°34	20°26	28°58	M21
T 22	4 32 46	7°26'27	9♏41	10°10	15°54	29°36	21°25	9°37	15°10	4°28	12°15	1°49	0°31	20°33	29° 0	T 22
W23	4 36 42	8°27'31	24° 4	8°47	17° 9	0♏15	21°37	9°36	15° 9	4°27	12°18	1°41	0°28	20°39	29° 1	W23
T 24	4 40 39	9°28'36	8♐48	7°24	18°24	0°55	21°50	9°35	15° 7	4°26	12°20	1°32	0°24	20°46	29° 3	T 24
F 25	4 44 36	10°29'41	23°47	6° 4	19°40	1°35	22° 2	9°34	15° 6	4°26	12°22	1°21	0°21	20°53	29° 4	F 25
S 26	4 48 32	11°30'48	8♑50	4°49	20°55	2°14	22°14	9°33	15° 5	4°25	12°24	1°10	0°18	20°59	29° 5	S 26
S 27	4 52 29	12°31'55	23°48	3°40	22°11	2°54	22°27	9°32	15° 4	4°24	12°27	1° 1	0°15	21° 6	29° 6	S 27
M28	4 56 25	13°33'02	8♒32	2°41	23°26	3°34	22°39	9°31	15° 3	4°23	12°29	0°54	0°12	21°13	29° 7	M28
T 29	5 0 22	14°34'10	22°56	1°52	24°41	4°13	22°52	9°30	15° 2	4°22	12°31	0°50	0° 8	21°20	29° 8	T 29
W30	5 4 18	15♐35'18	6♓59	1♐14	25♐57	4♏53	23♑ 5	9♈30	15♈ 1	4♌21	12♐33	0♈48	0♈ 5	21♋26	29♌ 9	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s44	20s57	4s 0	24s16	2s35	17s18	0n24	5s25	0n54	22s54	0s31	1n38	2s45	5n37	0s39	19n10	0s 2	14s17	8n 3	1n15	0n39	27n11	6n37	5s57
W 2	17 2	15 39	3 5	24 26	2 35	17 40	0 21	5 40	0 54	22 52	0 31	1 37	2 45	5 37	0 39	19 10	0 2	14 17	8 3	1 15	0 38	27 10	6 35	5 57
T 3	17 19	9 38	2 1	24 35	2 34	18 2	0 19	5 56	0 54	22 51	0 31	1 36	2 45	5 36	0 39	19 10	0 2	14 17	8 3	1 16	0 36	27 9	6 34	5 58
F 4	17 35	3 18	0 51	24 43	2 32	18 24	0 17	6 11	0 53	22 50	0 31	1 35	2 45	5 35	0 39	19 10	0 2	14 18	8 2	1 16	0 35	27 7	6 32	5 58
S 5	17 52	3n 6	0n21	24 48	2 29	18 45	0 14	6 26	0 53	22 48	0 31	1 34	2 44	5 34	0 39	19 10	0 2	14 18	8 2	1 16	0 34	27 6	6 30	5 59
S 6	18 8	9 16	1 30	24 52	2 26	19 5	0 12	6 41	0 53	22 47	0 31	1 33	2 44	5 34	0 39	19 10	0 2	14 19	8 2	1 16	0 33	27 5	6 29	5 59
M 7	18 24	14 58	2 33	24 54	2 22	19 25	0 10	6 57	0 52	22 45	0 31	1 32	2 44	5 33	0 39	19 10	0 2	14 19	8 2	1 14	0 31	27 4	6 27	6 0
T 8	18 39	19 56	3 28	24 54	2 16	19 45	0 7	7 12	0 52	22 44	0 31	1 31	2 44	5 32	0 39	19 10	0 2	14 20	8 2	1 12	0 30	27 2	6 26	6 0
W 9	18 55	23 56	4 12	24 52	2 9	20 3	0 5	7 27	0 52	22 42	0 31	1 30	2 44	5 32	0 38	19 10	0 2	14 20	8 1	1 8	0 29	27 1	6 24	6 1
T 10	19 9	26 48	4 43	24 48	2 2	20 22	0 3	7 42	0 51	22 41	0 31	1 29	2 43	5 31	0 38	19 10	0 2	14 21	8 1	1 4	0 27	27 0	6 22	6 1
F 11	19 24	28 20	5 0	24 41	1 53	20 39	0 0	7 57	0 51	22 39	0 31	1 28	2 43	5 30	0 38	19 10	0 2	14 21	8 1	1 0	0 26	26 59	6 21	6 2
S 12	19 38	28 31	5 4	24 33	1 42	20 57	0s 2	8 12	0 50	22 38	0 31	1 28	2 43	5 30	0 38	19 10	0 2	14 22	8 1	0 56	0 25	26 57	6 20	6 2
S 13	19 52	27 21	4 55	24 22	1 30	21 13	0 5	8 27	0 50	22 36	0 31	1 27	2 43	5 29	0 38	19 10	0 2	14 22	8 1	0 52	0 24	26 56	6 18	6 3
M14	20 5	24 58	4 33	24 8	1 17	21 29	0 7	8 42	0 50	22 35	0 31	1 26	2 42	5 29	0 38	19 11	0 2	14 22	8 1	0 49	0 22	26 55	6 17	6 4
T 15	20 18	21 31	3 59	23 52	1 2	21 44	0 9	8 57	0 49	22 33	0 31	1 26	2 42	5 28	0 38	19 11	0 2	14 23	8 0	0 47	0 21	26 54	6 15	6 4
W16	20 31	17 11	3 15	23 34	0 46	21 59	0 12	9 11	0 49	22 31	0 31	1 25	2 42	5 28	0 38	19 11	0 2	14 23	8 0	0 47	0 20	26 52	6 14	6 5
T 17	20 43	12 7	2 21	23 13	0 28	22 13	0 14	9 26	0 49	22 30	0 31	1 24	2 42	5 27	0 38	19 11	0 2	14 24	8 0	0 46	0 19	26 51	6 13	6 5
F 18	20 55	6 30	1 20	22 49	0 9	22 26	0 17	9 41	0 48	22 28	0 31	1 24	2 41	5 27	0 38	19 11	0 2	14 24	8 0	0 47	0 17	26 50	6 12	6 6
S 19	21 6	0 30	0 14	22 23	0n10	22 39	0 19	9 55	0 48	22 26	0 31	1 23	2 41	5 26	0 38	19 11	0 2	14 25	8 0	0 47	0 16	26 48	6 10	6 6
S 20	21 18	5s44	0s55	21 55	0 30	22 51	0 21	10 10	0 47	22 24	0 31	1 23	2 41	5 26	0 38	19 12	0 2	14 25	8 0	0 47	0 15	26 47	6 9	6 7
M21	21 28	11 54	2 3	21 25	0 51	23 3	0 24	10 24	0 47	22 22	0 31	1 23	2 41	5 25	0 38	19 12	0 2	14 25	8 0	0 46	0 14	26 46	6 8	6 7
T 22	21 38	17 43	3 6	20 54	1 11	23 13	0 26	10 39	0 47	22 21	0 31	1 22	2 40	5 25	0 38	19 12	0 2	14 26	8 0	0 44	0 12	26 44	6 7	6 8
W23	21 48	22 44	4 0	20 22	1 30	23 23	0 28	10 53	0 46	22 19	0 32	1 22	2 40	5 24	0 38	19 12	0 2	14 26	7 59	0 41	0 11	26 43	6 6	6 9
T 24	21 58	26 27	4 39	19 52	1 48	23 32	0 31	11 7	0 46	22 17	0 32	1 22	2 40	5 24	0 38	19 12	0 2	14 27	7 59	0 37	0 10	26 42	6 5	6 9
F 25	22 7	28 22	4 59	19 22	2 4	23 41	0 33	11 22	0 45	22 15	0 32	1 22	2 40	5 23	0 38	19 12	0 2	14 27	7 59	0 32	0 8	26 40	6 4	6 10
S 26	22 15	28 13	4 59	18 55	2 18	23 49	0 35	11 36	0 45	22 13	0 32	1 21	2 39	5 23	0 38	19 13	0 2	14 27	7 59	0 28	0 7	26 39	6 3	6 10
S 27	22 23	26 0	4 38	18 31	2 30	23 56	0 38	11 50	0 45	22 11	0 32	1 21	2 39	5 23	0 38	19 13	0 1	14 28	7 59	0 24	0 6	26 37	6 2	6 11
M28	22 31	22 3	4 0	18 10	2 40	24 2	0 40	12 4	0 44	22 9	0 32	1 21	2 39	5 22	0 38	19 13	0 1	14 28	7 59	0 22	0 5	26 36	6 1	6 11
T 29	22 38	16 51	3 6	17 53	2 47	24 8	0 42	12 18	0 44	22 7	0 32	1 21	2 39	5 22	0 38	19 13	0 1	14 28	7 59	0 20	0 3	26 35	6 0	6 12
W30	22s45	10s53	2s 3	17s41	2n52	24s13	0s44	12s31	0n43	22s 5	0s32	1n21	2s38	5n22	0s38	19n14	0s 1	14s29	7n59	0n19	0n 2	26n33	6n 0	6s13

Julian Day Number = 2181942.5, Delta T = 11m26s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'46, Lahiri = 13°33'47 Julian Calendar 1 Nov. 1261 == Greg. Calendar 8 Nov. 1261

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ASTRODIENST EPHEMERIS for the year 1261
geocentric

DECEMBER 1261 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 8 15	16♐36'26	20♓40	0°R46	27♐12	5♏33	23♑17	9°R29	15°R 1	4°R20	12♐36	0°D48	0♈ 2	21♋33	29♌ 9	T 1
F 2	5 12 11	17°37'34	4♈ 0	0♐30	28°27	6°12	23°30	9♈29	15♈ 0	4♌19	12°38	0°R48	29♓59	21°40	29°10	F 2
S 3	5 16 8	18°38'42	17° 3	0°D24	29°43	6°52	23°43	9°29	14°59	4°18	12°40	0♈47	29°56	21°46	29°10	S 3
S 4	5 20 5	19°39'51	29°51	0°27	0♑58	7°32	23°56	9°29	14°59	4°17	12°43	0°44	29°53	21°53	29°10	S 4
M 5	5 24 1	20°41'00	12♉27	0°40	2°13	8°12	24° 9	9°D29	14°58	4°16	12°45	0°38	29°49	22° 0	29°11	M 5
T 6	5 27 58	21°42'09	24°52	1° 1	3°29	8°51	24°22	9°29	14°57	4°15	12°47	0°29	29°46	22° 7	29°R11	T 6
W 7	5 31 54	22°43'18	7♊10	1°30	4°44	9°31	24°35	9°29	14°57	4°14	12°49	0°17	29°43	22°13	29°11	W 7
T 8	5 35 51	23°44'28	19°19	2° 5	5°59	10°11	24°48	9°29	14°56	4°12	12°51	0° 3	29°40	22°20	29°10	T 8
F 9	5 39 47	24°45'38	1♋23	2°47	7°15	10°51	25° 1	9°30	14°56	4°11	12°54	29♓48	29°37	22°27	29°10	F 9
S 10	5 43 44	25°46'48	13°20	3°33	8°30	11°31	25°15	9°30	14°56	4°10	12°56	29°33	29°34	22°33	29°10	S 10
S 11	5 47 41	26°47'58	25°13	4°25	9°45	12°11	25°28	9°31	14°55	4° 9	12°58	29°20	29°30	22°40	29° 9	S 11
M12	5 51 37	27°49'09	7♌ 3	5°20	11° 1	12°50	25°41	9°32	14°55	4° 7	13° 0	29° 9	29°27	22°47	29° 8	M12
T 13	5 55 34	28°50'20	18°53	6°20	12°16	13°30	25°55	9°32	14°55	4° 6	13° 3	29° 1	29°24	22°54	29° 8	T 13
W14	5 59 30	29°51'31	0♍46	7°23	13°31	14°10	26° 8	9°33	14°55	4° 5	13° 5	28°56	29°21	23° 0	29° 7	W14
T 15	6 3 27	0♑52'42	12°47	8°28	14°46	14°50	26°22	9°35	14°54	4° 3	13° 7	28°54	29°18	23° 7	29° 6	T 15
F 16	6 7 23	1°53'54	25° 0	9°37	16° 2	15°30	26°35	9°36	14°54	4° 2	13° 9	28°53	29°14	23°14	29° 5	F 16
S 17	6 11 20	2°55'05	7♎31	10°47	17°17	16°10	26°49	9°37	14°D54	4° 1	13°11	28°53	29°11	23°20	29° 3	S 17
S 18	6 15 16	3°56'17	20°24	12° 0	18°32	16°50	27° 3	9°38	14°54	3°59	13°13	28°52	29° 8	23°27	29° 2	S 18
M19	6 19 13	4°57'29	3♏45	13°15	19°47	17°30	27°16	9°40	14°55	3°58	13°16	28°50	29° 5	23°34	29° 1	M19
T 20	6 23 10	5°58'42	17°36	14°31	21° 2	18°10	27°30	9°42	14°55	3°56	13°18	28°45	29° 2	23°41	28°59	T 20
W21	6 27 6	6°59'54	1♐57	15°49	22°18	18°50	27°44	9°43	14°55	3°55	13°20	28°37	28°59	23°47	28°57	W21
T 22	6 31 3	8° 1'06	16°45	17° 8	23°33	19°30	27°58	9°45	14°55	3°54	13°22	28°27	28°55	23°54	28°56	T 22
F 23	6 34 59	9° 2'19	1♑54	18°28	24°48	20°10	28°12	9°47	14°55	3°52	13°24	28°15	28°52	24° 1	28°54	F 23
S 24	6 38 56	10° 3'31	17°12	19°50	26° 3	20°50	28°26	9°49	14°56	3°51	13°26	28° 4	28°49	24° 7	28°52	S 24
S 25	6 42 52	11° 4'42	2♒29	21°12	27°18	21°30	28°39	9°52	14°56	3°49	13°28	27°53	28°46	24°14	28°50	S 25
M26	6 46 49	12° 5'53	17°34	22°36	28°34	22°10	28°53	9°54	14°57	3°48	13°30	27°46	28°43	24°21	28°47	M26
T 27	6 50 45	13° 7'03	2♓17	24° 0	29°49	22°51	29° 7	9°56	14°57	3°46	13°32	27°41	28°40	24°28	28°45	T 27
W28	6 54 42	14° 8'13	16°34	25°26	1♒ 4	23°31	29°21	9°59	14°58	3°44	13°34	27°39	28°36	24°34	28°43	W28
T 29	6 58 39	15° 9'21	0♈25	26°52	2°19	24°11	29°35	10° 1	14°58	3°43	13°36	27°D38	28°33	24°41	28°40	T 29
F 30	7 2 35	16°10'29	13°49	28°18	3°34	24°51	29°50	10° 4	14°59	3°41	13°38	27°R39	28°30	24°48	28°38	F 30
S 31	7 6 32	17♑11'36	26♈50	29♐46	4♒49	25♏31	0♒ 4	10♈ 7	15♈ 0	3♌40	13♐40	27♓38	28♓27	24♋54	28♌35	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s52	4s32	0s53	17s32	2n55	24s17	0s46	12s45	0n43	22s 3	0s32	1n21	2s38	5n21	0s38	19n14	0s 1	14s29	7n59	0n19	0n 1	26n32	5n59	6s13
F 2	22 58	1n51	0n17	17 28	2 56	24 20	0 48	12 59	0 42	22 0	0 32	1 21	2 38	5 21	0 38	19 14	0 1	14 29	7 59	0 19	0s 0	26 30	5 58	6 14
S 3	23 3	8 2	1 25	17 27	2 56	24 23	0 51	13 12	0 42	21 58	0 32	1 22	2 37	5 21	0 38	19 14	0 1	14 30	7 59	0 19	0 2	26 29	5 58	6 14
S 4	23 8	13 45	2 27	17 30	2 54	24 25	0 53	13 26	0 41	21 56	0 32	1 22	2 37	5 21	0 38	19 15	0 1	14 30	7 58	0 18	0 3	26 28	5 57	6 15
M 5	23 13	18 49	3 21	17 36	2 50	24 26	0 55	13 39	0 41	21 54	0 32	1 22	2 37	5 20	0 38	19 15	0 1	14 30	7 58	0 15	0 4	26 26	5 56	6 15
T 6	23 17	23 1	4 4	17 44	2 46	24 26	0 57	13 52	0 41	21 51	0 32	1 22	2 37	5 20	0 38	19 15	0 1	14 31	7 58	0 12	0 6	26 25	5 56	6 16
W 7	23 20	26 7	4 36	17 55	2 41	24 26	0 59	14 5	0 40	21 49	0 32	1 23	2 36	5 20	0 38	19 15	0 1	14 31	7 58	0 7	0 7	26 23	5 55	6 16
T 8	23 23	27 59	4 54	18 8	2 35	24 24	1 0	14 18	0 40	21 47	0 32	1 23	2 36	5 20	0 38	19 16	0 1	14 31	7 58	0 1	0 8	26 22	5 55	6 17
F 9	23 26	28 31	4 59	18 22	2 29	24 23	1 2	14 31	0 39	21 45	0 32	1 23	2 36	5 20	0 37	19 16	0 1	14 32	7 58	0s 5	0 9	26 20	5 55	6 17
S 10	23 28	27 41	4 51	18 38	2 22	24 20	1 4	14 44	0 39	21 42	0 32	1 24	2 35	5 20	0 37	19 16	0 1	14 32	7 58	0 11	0 11	26 19	5 54	6 18
S 11	23 30	25 36	4 30	18 55	2 14	24 16	1 6	14 57	0 38	21 40	0 32	1 24	2 35	5 20	0 37	19 17	0 1	14 32	7 58	0 16	0 12	26 17	5 54	6 19
M12	23 31	22 24	3 57	19 12	2 6	24 12	1 8	15 10	0 38	21 37	0 32	1 25	2 35	5 20	0 37	19 17	0 1	14 33	7 58	0 20	0 13	26 16	5 54	6 19
T 13	23 32	18 18	3 14	19 31	1 58	24 7	1 9	15 22	0 37	21 35	0 32	1 26	2 35	5 19	0 37	19 17	0 1	14 33	7 58	0 24	0 14	26 14	5 54	6 20
W14	23 32	13 28	2 23	19 49	1 50	24 1	1 11	15 34	0 37	21 32	0 32	1 26	2 34	5 19	0 37	19 18	0 1	14 33	7 58	0 26	0 16	26 13	5 53	6 20
T 15	23 32	8 5	1 24	20 8	1 42	23 55	1 13	15 47	0 36	21 30	0 33	1 27	2 34	5 19	0 37	19 18	0 1	14 34	7 58	0 26	0 17	26 11	5 53	6 21
F 16	23 31	2 19	0 21	20 27	1 33	23 48	1 14	15 59	0 36	21 27	0 33	1 28	2 34	5 19	0 37	19 18	0 1	14 34	7 58	0 27	0 18	26 10	5 53	6 21
S 17	23 30	3s41	0s45	20 45	1 25	23 40	1 16	16 11	0 35	21 25	0 33	1 28	2 34	5 20	0 37	19 19	0 1	14 34	7 58	0 27	0 19	26 8	5 53	6 22
S 18	23 29	9 43	1 51	21 4	1 16	23 31	1 17	16 23	0 34	21 22	0 33	1 29	2 33	5 20	0 37	19 19	0 1	14 34	7 58	0 27	0 21	26 7	5 53	6 22
M19	23 27	15 32	2 53	21 22	1 8	23 22	1 18	16 35	0 34	21 20	0 33	1 30	2 33	5 20	0 37	19 19	0 1	14 35	7 58	0 28	0 22	26 5	5 53	6 23
T 20	23 24	20 47	3 47	21 39	0 59	23 12	1 20	16 47	0 33	21 17	0 33	1 31	2 33	5 20	0 37	19 20	0 1	14 35	7 58	0 30	0 23	26 4	5 53	6 23
W21	23 21	25 1	4 29	21 56	0 51	23 1	1 21	16 58	0 33	21 14	0 33	1 32	2 32	5 20	0 37	19 20	0 1	14 35	7 58	0 33	0 25	26 2	5 53	6 24
T 22	23 18	27 45	4 54	22 12	0 42	22 50	1 22	17 10	0 32	21 11	0 33	1 33	2 32	5 20	0 37	19 20	0 1	14 35	7 58	0 37	0 26	26 0	5 53	6 24
F 23	23 14	28 31	5 0	22 28	0 34	22 37	1 23	17 21	0 32	21 9	0 33	1 34	2 32	5 20	0 37	19 21	0 1	14 36	7 58	0 42	0 27	25 59	5 54	6 24
S 24	23 9	27 7	4 44	22 43	0 26	22 25	1 25	17 32	0 31	21 6	0 33	1 35	2 32	5 20	0 37	19 21	0 1	14 36	7 58	0 47	0 28	25 57	5 54	6 25
S 25	23 4	23 42	4 8	22 57	0 18	22 11	1 26	17 43	0 30	21 3	0 33	1 36	2 31	5 20	0 37	19 21	0 1	14 36	7 58	0 51	0 30	25 56	5 54	6 25
M26	22 59	18 44	3 15	23 10	0 10	21 57	1 27	17 54	0 30	21 0	0 33	1 37	2 31	5 21	0 37	19 22	0 1	14 36	7 58	0 54	0 31	25 54	5 55	6 26
T 27	22 53	12 43	2 10	23 22	0 2	21 42	1 28	18 5	0 29	20 58	0 33	1 39	2 31	5 21	0 37	19 22	0 1	14 36	7 58	0 56	0 32	25 52	5 55	6 26
W28	22 47	6 13	0 58	23 33	0s 6	21 26	1 28	18 16	0 29	20 55	0 33	1 40	2 30	5 21	0 37	19 23	0 1	14 37	7 58	0 56	0 33	25 51	5 55	6 27
T 29	22 40	0n23	0n15	23 43	0 13	21 10	1 29	18 26	0 28	20 52	0 33	1 41	2 30	5 21	0 37	19 23	0 1	14 37	7 58	0 57	0 35	25 49	5 56	6 27
F 30	22 33	6 46	1 25	23 52	0 20	20 54	1 30	18 37	0 27	20 49	0 33	1 42	2 30	5 22	0 37	19 23	0 1	14 37	7 58	0 56	0 36	25 48	5 56	6 27
S 31	22s26	12n41	2n28	24s 0	0s28	20s36	1s31	18s47	0n27	20s46	0s33	1n44	2s30	5n22	0s37	19n24	0s 1	14s37	7n58	0s57	0s37	25n46	5n57	6s28

Julian Day Number = 2181972.5, Delta T = 11m26s
Ecliptic obliquity = 23°32'15, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'50, Lahiri = 13°33'51 Julian Calendar 1 Dec. 1261 == Greg. Calendar 8 Dec. 1261

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

JANUARY 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 10 28	18♉12'42	9♉31	1♉14	6♒ 4	26♏11	0♒18	10♈10	15♈ 1	3°R38	13♐42	27°R36	28♓24	25♋ 1	28°R32	S 1
M 2	7 14 25	19°13'47	21°58	2°43	7°19	26°51	0°32	10°13	15° 1	3♌36	13°44	27♓31	28°20	25° 8	28♌29	M 2
T 3	7 18 21	20°14'51	4♊12	4°12	8°34	27°32	0°46	10°16	15° 2	3°35	13°46	27°24	28°17	25°15	28°26	T 3
W 4	7 22 18	21°15'54	16°18	5°42	9°49	28°12	1° 0	10°19	15° 3	3°33	13°48	27°14	28°14	25°21	28°23	W 4
T 5	7 26 14	22°16'57	28°18	7°13	11° 4	28°52	1°14	10°22	15° 4	3°31	13°50	27° 2	28°11	25°28	28°20	T 5
F 6	7 30 11	23°17'58	10♋14	8°45	12°19	29°32	1°29	10°26	15° 5	3°30	13°52	26°49	28° 8	25°35	28°17	F 6
S 7	7 34 8	24°18'59	22° 7	10°17	13°34	0♐13	1°43	10°29	15° 6	3°28	13°53	26°36	28° 5	25°41	28°14	S 7
S 8	7 38 4	25°19'58	3♌58	11°49	14°49	0°53	1°57	10°33	15° 8	3°27	13°55	26°25	28° 1	25°48	28°10	S 8
M 9	7 42 1	26°20'57	15°50	13°23	16° 4	1°33	2°11	10°37	15° 9	3°25	13°57	26°15	27°58	25°55	28° 7	M 9
T 10	7 45 57	27°21'55	27°43	14°57	17°19	2°13	2°26	10°40	15°10	3°23	13°59	26° 9	27°55	26° 1	28° 3	T 10
W11	7 49 54	28°22'52	9♍40	16°32	18°34	2°54	2°40	10°44	15°11	3°21	14° 1	26° 5	27°52	26° 8	28° 0	W11
T 12	7 53 50	29°23'48	21°45	18° 7	19°48	3°34	2°54	10°48	15°13	3°20	14° 2	26°D 3	27°49	26°15	27°56	T 12
F 13	7 57 47	0♒24'43	4♎ 0	19°43	21° 3	4°14	3° 8	10°52	15°14	3°18	14° 4	26° 3	27°46	26°22	27°52	F 13
S 14	8 1 43	1°25'37	16°30	21°20	22°18	4°55	3°23	10°57	15°15	3°16	14° 6	26° 4	27°42	26°28	27°48	S 14
S 15	8 5 40	2°26'31	29°20	22°57	23°33	5°35	3°37	11° 1	15°17	3°15	14° 7	26°R 5	27°39	26°35	27°44	S 15
M16	8 9 37	3°27'23	12♏33	24°35	24°47	6°15	3°51	11° 5	15°18	3°13	14° 9	26° 5	27°36	26°42	27°40	M16
T 17	8 13 33	4°28'15	26°14	26°14	26° 2	6°56	4° 6	11°10	15°20	3°11	14°11	26° 2	27°33	26°48	27°36	T 17
W18	8 17 30	5°29'06	10♐22	27°54	27°17	7°36	4°20	11°14	15°22	3°10	14°12	25°58	27°30	26°55	27°32	W18
T 19	8 21 26	6°29'56	24°58	29°34	28°31	8°17	4°34	11°19	15°23	3° 8	14°14	25°52	27°26	27° 2	27°28	T 19
F 20	8 25 23	7°30'45	9♑57	1♒15	29°46	8°57	4°48	11°23	15°25	3° 6	14°15	25°44	27°23	27° 9	27°24	F 20
S 21	8 29 19	8°31'33	25°10	2°57	1♓ 1	9°37	5° 3	11°28	15°27	3° 5	14°17	25°37	27°20	27°15	27°20	S 21
S 22	8 33 16	9°32'20	10♒28	4°40	2°15	10°18	5°17	11°33	15°28	3° 3	14°18	25°30	27°17	27°22	27°15	S 22
M23	8 37 13	10°33'05	25°39	6°24	3°30	10°58	5°31	11°38	15°30	3° 1	14°20	25°25	27°14	27°29	27°11	M23
T 24	8 41 9	11°33'49	10♓34	8° 8	4°44	11°39	5°46	11°43	15°32	3° 0	14°21	25°22	27°11	27°35	27° 7	T 24
W25	8 45 6	12°34'30	25° 5	9°53	5°59	12°19	6° 0	11°48	15°34	2°58	14°23	25°D21	27° 7	27°42	27° 2	W25
T 26	8 49 2	13°35'11	9♈ 8	11°39	7°13	13° 0	6°14	11°53	15°36	2°56	14°24	25°21	27° 4	27°49	26°58	T 26
F 27	8 52 59	14°35'49	22°43	13°26	8°28	13°40	6°28	11°58	15°38	2°55	14°25	25°23	27° 1	27°55	26°53	F 27
S 28	8 56 55	15°36'26	5♉51	15°14	9°42	14°21	6°43	12° 4	15°40	2°53	14°27	25°24	26°58	28° 2	26°49	S 28
S 29	9 0 52	16°37'01	18°37	17° 2	10°56	15° 1	6°57	12° 9	15°42	2°51	14°28	25°R24	26°55	28° 9	26°44	S 29
M30	9 4 48	17°37'34	1♊ 3	18°52	12°11	15°42	7°11	12°14	15°44	2°50	14°29	25°23	26°52	28°16	26°40	M30
T 31	9 8 45	18♒38'06	13♊15	20♒42	13♓25	16♐22	7♒25	12♈20	15♈47	2♌48	14♐31	25♓21	26♓48	28♋22	26♌35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s18	17n55	3n23	24s 6	0s35	20s18	1s31	18s57	0n26	20s43	0s34	1n45	2s29	5n22	0s37	19n24	0s 1	14s37	7n58	0s58	0s38	25n44	5n57	6s28
M 2	22 9	22 18	4 6	24 12	0 41	20 0	1 32	19 7	0 26	20 40	0 34	1 47	2 29	5 23	0 37	19 25	0 1	14 37	7 58	0 59	0 40	25 43	5 58	6 29
T 3	22 0	25 37	4 38	24 16	0 48	19 41	1 32	19 17	0 25	20 37	0 34	1 48	2 29	5 23	0 37	19 25	0 1	14 38	7 58	1 2	0 41	25 41	5 59	6 29
W 4	21 51	27 45	4 57	24 19	0 54	19 21	1 33	19 27	0 24	20 34	0 34	1 49	2 29	5 24	0 37	19 25	0 1	14 38	7 59	1 6	0 42	25 39	5 59	6 29
T 5	21 41	28 34	5 2	24 21	1 0	19 1	1 33	19 36	0 24	20 31	0 34	1 51	2 28	5 24	0 36	19 26	0 1	14 38	7 59	1 11	0 44	25 38	6 0	6 30
F 6	21 31	28 2	4 54	24 21	1 6	18 40	1 33	19 46	0 23	20 28	0 34	1 53	2 28	5 24	0 36	19 26	0 1	14 38	7 59	1 16	0 45	25 36	6 1	6 30
S 7	21 20	26 12	4 33	24 20	1 12	18 19	1 34	19 55	0 22	20 25	0 34	1 54	2 28	5 25	0 36	19 27	0 1	14 38	7 59	1 21	0 46	25 34	6 2	6 30
S 8	21 9	23 14	4 1	24 18	1 18	17 57	1 34	20 4	0 22	20 22	0 34	1 56	2 28	5 25	0 36	19 27	0 1	14 38	7 59	1 26	0 47	25 33	6 3	6 31
M 9	20 58	19 18	3 17	24 14	1 23	17 35	1 34	20 13	0 21	20 18	0 34	1 58	2 27	5 26	0 36	19 27	0 1	14 39	7 59	1 30	0 49	25 31	6 4	6 31
T 10	20 46	14 35	2 25	24 9	1 28	17 12	1 34	20 22	0 20	20 15	0 34	1 59	2 27	5 26	0 36	19 28	0 1	14 39	7 59	1 32	0 50	25 29	6 5	6 31
W11	20 34	9 19	1 27	24 2	1 32	16 49	1 34	20 30	0 20	20 12	0 34	2 1	2 27	5 27	0 36	19 28	0 1	14 39	7 59	1 34	0 51	25 28	6 6	6 31
T 12	20 22	3 38	0 23	23 54	1 37	16 25	1 34	20 39	0 19	20 9	0 34	2 3	2 27	5 27	0 36	19 29	0 1	14 39	7 59	1 35	0 52	25 26	6 7	6 32
F 13	20 9	2s15	0s43	23 45	1 41	16 1	1 33	20 47	0 18	20 6	0 34	2 5	2 26	5 28	0 36	19 29	0 1	14 39	7 59	1 35	0 54	25 24	6 8	6 32
S 14	19 55	8 10	1 48	23 34	1 45	15 36	1 33	20 55	0 17	20 2	0 35	2 6	2 26	5 29	0 36	19 29	0 1	14 39	7 59	1 34	0 55	25 22	6 9	6 32
S 15	19 42	13 55	2 49	23 21	1 48	15 11	1 33	21 3	0 17	19 59	0 35	2 8	2 26	5 29	0 36	19 30	0 1	14 39	7 59	1 34	0 56	25 21	6 10	6 32
M16	19 28	19 13	3 43	23 7	1 51	14 46	1 32	21 11	0 16	19 56	0 35	2 10	2 26	5 30	0 36	19 30	0 1	14 39	7 59	1 34	0 57	25 19	6 11	6 33
T 17	19 13	23 42	4 27	22 52	1 54	14 20	1 32	21 18	0 15	19 53	0 35	2 12	2 25	5 30	0 36	19 31	0 1	14 39	8 0	1 35	0 59	25 17	6 12	6 33
W18	18 59	26 58	4 56	22 35	1 57	13 54	1 31	21 26	0 14	19 49	0 35	2 14	2 25	5 31	0 36	19 31	0 1	14 39	8 0	1 37	1 0	25 15	6 13	6 33
T 19	18 44	28 33	5 7	22 16	1 59	13 27	1 31	21 33	0 14	19 46	0 35	2 16	2 25	5 32	0 36	19 31	0 1	14 39	8 0	1 39	1 1	25 14	6 15	6 33
F 20	18 28	28 7	4 58	21 56	2 1	13 0	1 30	21 40	0 13	19 43	0 35	2 18	2 25	5 32	0 36	19 32	0 1	14 40	8 0	1 42	1 3	25 12	6 16	6 33
S 21	18 12	25 34	4 28	21 34	2 2	12 33	1 29	21 47	0 12	19 39	0 35	2 20	2 24	5 33	0 36	19 32	0 1	14 40	8 0	1 45	1 4	25 10	6 17	6 33
S 22	17 56	21 11	3 38	21 10	2 3	12 5	1 28	21 54	0 11	19 36	0 35	2 22	2 24	5 34	0 36	19 33	0 1	14 40	8 0	1 48	1 5	25 8	6 19	6 33
M23	17 40	15 25	2 33	20 45	2 4	11 37	1 27	22 0	0 10	19 32	0 35	2 25	2 24	5 35	0 36	19 33	0 1	14 40	8 0	1 50	1 6	25 7	6 20	6 34
T 24	17 23	8 51	1 19	20 18	2 4	11 9	1 26	22 7	0 10	19 29	0 35	2 27	2 24	5 35	0 36	19 33	0 1	14 40	8 0	1 51	1 8	25 5	6 21	6 34
W25	17 6	1 59	0 1	19 50	2 4	10 41	1 25	22 13	0 9	19 25	0 36	2 29	2 24	5 36	0 36	19 34	0 1	14 40	8 1	1 51	1 9	25 3	6 23	6 34
T 26	16 49	4n46	1n14	19 20	2 3	10 12	1 24	22 19	0 8	19 22	0 36	2 31	2 23	5 37	0 36	19 34	0 1	14 40	8 1	1 51	1 10	25 1	6 24	6 34
F 27	16 31	11 5	2 23	18 49	2 2	9 43	1 23	22 25	0 7	19 19	0 36	2 33	2 23	5 38	0 36	19 35	0 1	14 40	8 1	1 51	1 11	24 59	6 26	6 34
S 28	16 13	16 42	3 22	18 15	2 1	9 13	1 22	22 31	0 6	19 15	0 36	2 36	2 23	5 39	0 36	19 35	0 1	14 40	8 1	1 50	1 13	24 57	6 27	6 34
S 29	15 55	21 25	4 9	17 40	1 59	8 44	1 20	22 36	0 6	19 12	0 36	2 38	2 23	5 39	0 36	19 35	0 1	14 40	8 1	1 50	1 14	24 56	6 29	6 34
M30	15 37	25 4	4 43	17 4	1 56	8 14	1 19	22 41	0 5	19 8	0 36	2 40	2 23	5 40	0 36	19 36	0 1	14 40	8 1	1 50	1 15	24 54	6 30	6 34
T 31	15s18	27n30	5n 4	16s26	1s53	7s44	1s18	22s46	0n 4	19s 4	0s36	2n43	2s22	5n41	0s36	19n36	0s 1	14s40	8n 1	1s51	1s17	24n52	6n32	6s34

Julian Day Number = 2182003.5, Delta T = 11m25s
Ecliptic obliquity = 23°32'15, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'54, Lahiri = 13°33'55 Julian Calendar 1 Jan. 1262 == Greg. Calendar 8 Jan. 1262

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

FEBRUARY 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 12 42	19♒38'35	25♊17	22♒33	14♓39	17♐ 3	7♒39	12♈26	15♈49	2°R46	14♐32	25°R16	26♓45	28♋29	26°R30	W 1
T 2	9 16 38	20°39'03	7♋11	24°24	15°53	17°43	7°53	12°31	15°51	2♎45	14°33	25♓10	26°42	28°36	26♎26	T 2
F 3	9 20 35	21°39'29	19° 3	26°16	17° 7	18°24	8° 8	12°37	15°53	2°43	14°34	25° 4	26°39	28°42	26°21	F 3
S 4	9 24 31	22°39'53	0♎54	28° 9	18°22	19° 4	8°22	12°43	15°56	2°42	14°35	24°58	26°36	28°49	26°16	S 4
S 5	9 28 28	23°40'15	12°46	0♓ 2	19°36	19°45	8°36	12°49	15°58	2°40	14°36	24°52	26°32	28°56	26°11	S 5
M 6	9 32 24	24°40'35	24°41	1°55	20°50	20°25	8°50	12°55	16° 0	2°39	14°37	24°48	26°29	29° 2	26° 7	M 6
T 7	9 36 21	25°40'54	6♍42	3°49	22° 4	21° 6	9° 4	13° 1	16° 3	2°37	14°39	24°45	26°26	29° 9	26° 2	T 7
W 8	9 40 17	26°41'11	18°49	5°42	23°17	21°46	9°18	13° 7	16° 5	2°36	14°40	24°D43	26°23	29°16	25°57	W 8
T 9	9 44 14	27°41'26	1♏ 5	7°35	24°31	22°27	9°32	13°13	16° 8	2°34	14°41	24°43	26°20	29°23	25°53	T 9
F 10	9 48 11	28°41'39	13°31	9°28	25°45	23° 8	9°46	13°19	16°10	2°33	14°41	24°44	26°17	29°29	25°48	F 10
S 11	9 52 7	29°41'51	26°11	11°20	26°59	23°48	10° 0	13°25	16°13	2°31	14°42	24°46	26°13	29°36	25°43	S 11
S 12	9 56 4	0♓42'02	9♏ 6	13°10	28°13	24°29	10°13	13°32	16°16	2°30	14°43	24°48	26°10	29°43	25°38	S 12
M13	10 0 0	1°42'11	22°20	14°59	29°26	25° 9	10°27	13°38	16°18	2°28	14°44	24°49	26° 7	29°49	25°34	M13
T 14	10 3 57	2°42'18	5♐55	16°46	0♈40	25°50	10°41	13°44	16°21	2°27	14°45	24°R49	26° 4	29°56	25°29	T 14
W15	10 7 53	3°42'24	19°52	18°31	1°54	26°31	10°55	13°51	16°24	2°25	14°46	24°48	26° 1	0♎ 3	25°24	W15
T 16	10 11 50	4°42'28	4♑11	20°12	3° 7	27°11	11° 9	13°57	16°26	2°24	14°46	24°47	25°58	0° 9	25°20	T 16
F 17	10 15 46	5°42'30	18°49	21°50	4°21	27°52	11°22	14° 4	16°29	2°23	14°47	24°44	25°54	0°16	25°15	F 17
S 18	10 19 43	6°42'31	3♒42	23°25	5°34	28°33	11°36	14°10	16°32	2°21	14°48	24°42	25°51	0°23	25°10	S 18
S 19	10 23 40	7°42'30	18°41	24°54	6°48	29°13	11°49	14°17	16°35	2°20	14°49	24°40	25°48	0°30	25° 6	S 19
M20	10 27 36	8°42'27	3♓39	26°19	8° 1	29°54	12° 3	14°24	16°38	2°19	14°49	24°38	25°45	0°36	25° 1	M20
T 21	10 31 33	9°42'23	18°28	27°38	9°14	0♑34	12°17	14°31	16°41	2°17	14°50	24°D37	25°42	0°43	24°57	T 21
W22	10 35 29	10°42'16	2♈58	28°51	10°28	1°15	12°30	14°37	16°43	2°16	14°50	24°37	25°38	0°50	24°52	W22
T 23	10 39 26	11°42'06	17° 7	29°58	11°41	1°56	12°43	14°44	16°46	2°15	14°51	24°38	25°35	0°56	24°48	T 23
F 24	10 43 22	12°41'55	0♉49	0♈57	12°54	2°36	12°57	14°51	16°49	2°14	14°51	24°39	25°32	1° 3	24°44	F 24
S 25	10 47 19	13°41'42	14° 6	1°49	14° 7	3°17	13°10	14°58	16°52	2°12	14°52	24°40	25°29	1°10	24°39	S 25
S 26	10 51 15	14°41'26	26°58	2°34	15°20	3°58	13°23	15° 5	16°55	2°11	14°52	24°41	25°26	1°16	24°35	S 26
M27	10 55 12	15°41'08	9♊30	3°10	16°33	4°38	13°37	15°12	16°58	2°10	14°53	24°41	25°23	1°23	24°31	M27
T 28	10 59 8	16♓40'48	21♊45	3♈39	17♈46	5♑19	13♒50	15♈19	17♈ 2	2♎ 9	14♐53	24°R41	25♓19	1♎30	24♎26	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14s59	28n38	5n11	15s46	1s49	7s14	1s16	22s51	0n 3	19s 1	0s36	2n45	2s22	5n42	0s36	19n36	0s 1	14s40	8n 1	1s53	1s18	24n50	6n33	6s34
T 2	14 40	28 24	5 4	15 5	1 45	6 44	1 14	22 56	0 2	18 57	0 36	2 47	2 22	5 43	0 36	19 37	0 1	14 40	8 2	1 55	1 19	24 48	6 35	6 34
F 3	14 21	26 52	4 44	14 23	1 40	6 13	1 13	23 1	0 1	18 54	0 36	2 50	2 22	5 44	0 36	19 37	0 1	14 40	8 2	1 58	1 20	24 46	6 37	6 34
S 4	14 1	24 8	4 12	13 39	1 35	5 43	1 11	23 5	0 0	18 50	0 37	2 52	2 22	5 45	0 35	19 38	0 1	14 40	8 2	2 1	1 22	24 44	6 38	6 34
S 5	13 41	20 23	3 29	12 53	1 28	5 12	1 9	23 9	0s 1	18 47	0 37	2 55	2 21	5 46	0 35	19 38	0 1	14 40	8 2	2 3	1 23	24 43	6 40	6 33
M 6	13 21	15 49	2 37	12 6	1 22	4 41	1 7	23 13	0 2	18 43	0 37	2 57	2 21	5 47	0 35	19 38	0 1	14 40	8 2	2 5	1 24	24 41	6 42	6 33
T 7	13 1	10 36	1 37	11 18	1 14	4 10	1 5	23 17	0 3	18 39	0 37	3 0	2 21	5 48	0 35	19 39	0 1	14 40	8 2	2 6	1 25	24 39	6 43	6 33
W 8	12 40	4 56	0 32	10 29	1 6	3 39	1 3	23 20	0 3	18 36	0 37	3 2	2 21	5 49	0 35	19 39	0 1	14 40	8 2	2 6	1 27	24 37	6 45	6 33
T 9	12 19	0s58	0s35	9 39	0 58	3 7	1 1	23 24	0 4	18 32	0 37	3 5	2 21	5 50	0 35	19 39	0 1	14 40	8 3	2 6	1 28	24 35	6 47	6 33
F 10	11 59	6 55	1 41	8 48	0 49	2 36	0 59	23 27	0 5	18 29	0 37	3 7	2 20	5 51	0 35	19 40	0 1	14 40	8 3	2 6	1 29	24 33	6 48	6 33
S 11	11 37	12 42	2 44	7 57	0 39	2 5	0 57	23 30	0 6	18 25	0 37	3 10	2 20	5 52	0 35	19 40	0 1	14 39	8 3	2 5	1 30	24 31	6 50	6 32
S 12	11 16	18 4	3 40	7 4	0 28	1 33	0 55	23 33	0 7	18 21	0 38	3 12	2 20	5 53	0 35	19 40	0 1	14 39	8 3	2 5	1 32	24 29	6 52	6 32
M13	10 55	22 43	4 26	6 12	0 17	1 2	0 53	23 35	0 8	18 18	0 38	3 15	2 20	5 54	0 35	19 41	0 1	14 39	8 3	2 4	1 33	24 27	6 54	6 32
T 14	10 33	26 16	4 58	5 20	0 5	0 30	0 50	23 38	0 9	18 14	0 38	3 18	2 20	5 55	0 35	19 41	0 1	14 39	8 3	2 4	1 34	24 25	6 55	6 32
W15	10 11	28 22	5 14	4 28	0n 7	0n 1	0 48	23 40	0 10	18 10	0 38	3 20	2 20	5 56	0 35	19 41	0 1	14 39	8 4	2 4	1 36	24 23	6 57	6 32
T 16	9 49	28 39	5 11	3 36	0 19	0 33	0 46	23 42	0 11	18 7	0 38	3 23	2 20	5 57	0 35	19 42	0 1	14 39	8 4	2 5	1 37	24 21	6 59	6 31
F 17	9 27	26 57	4 48	2 45	0 32	1 5	0 43	23 44	0 12	18 3	0 38	3 26	2 19	5 58	0 35	19 42	0 1	14 39	8 4	2 6	1 38	24 20	7 1	6 31
S 18	9 5	23 23	4 5	1 56	0 46	1 36	0 40	23 45	0 13	17 59	0 38	3 28	2 19	5 59	0 35	19 42	0 1	14 39	8 4	2 7	1 39	24 18	7 3	6 31
S 19	8 43	18 13	3 6	1 8	0 59	2 8	0 38	23 47	0 14	17 56	0 38	3 31	2 19	6 0	0 35	19 43	0 1	14 39	8 4	2 8	1 41	24 16	7 4	6 30
M20	8 20	11 58	1 53	0 21	1 13	2 39	0 35	23 48	0 16	17 52	0 39	3 34	2 19	6 1	0 35	19 43	0 0	14 39	8 4	2 8	1 42	24 14	7 6	6 30
T 21	7 58	5 6	0 34	0n23	1 27	3 11	0 33	23 49	0 17	17 48	0 39	3 37	2 19	6 2	0 35	19 43	0 0	14 39	8 5	2 9	1 43	24 12	7 8	6 30
W22	7 35	1n53	0n46	1 4	1 40	3 42	0 30	23 50	0 18	17 45	0 39	3 39	2 19	6 4	0 35	19 44	0 0	14 39	8 5	2 9	1 44	24 10	7 10	6 29
T 23	7 12	8 37	2 1	1 43	1 54	4 13	0 27	23 50	0 19	17 41	0 39	3 42	2 19	6 5	0 35	19 44	0 0	14 38	8 5	2 8	1 46	24 8	7 12	6 29
F 24	6 49	14 44	3 7	2 19	2 7	4 44	0 24	23 51	0 20	17 37	0 39	3 45	2 18	6 6	0 35	19 44	0 0	14 38	8 5	2 8	1 47	24 6	7 13	6 29
S 25	6 26	19 58	4 1	2 51	2 19	5 16	0 21	23 51	0 21	17 34	0 39	3 48	2 18	6 7	0 35	19 45	0 0	14 38	8 5	2 8	1 48	24 4	7 15	6 28
S 26	6 3	24 7	4 41	3 20	2 31	5 47	0 19	23 51	0 22	17 30	0 39	3 51	2 18	6 8	0 35	19 45	0 0	14 38	8 5	2 7	1 49	24 2	7 17	6 28
M27	5 40	27 0	5 6	3 45	2 43	6 17	0 16	23 51	0 23	17 26	0 39	3 53	2 18	6 9	0 35	19 45	0 0	14 38	8 6	2 7	1 51	24 0	7 19	6 27
T 28	5s17	28n33	5n16	4n 6	2n53	6n48	0s13	23s50	0s24	17s23	0s40	3n56	2s18	6n11	0s35	19n45	0s 0	14s38	8n 6	2s 7	1s52	23n58	7n21	6s27

Julian Day Number = 2182034.5, Delta T = 11m25s
Ecliptic obliquity = 23°32'15, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°26'59, Lahiri = 13°33'59 Julian Calendar 1 Feb. 1262 == Greg. Calendar 8 Feb. 1262

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

MARCH 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 3 5	17♓40'25	3♋47	3♈59	18♈59	5♑59	14♒ 3	15♈26	17♈ 5	2°R 8	14♐53	24°R41	25♓16	1♌37	24°R22	W 1
T 2	11 7 2	18°40'01	15°41	4°11	20°11	6°40	14°16	15°33	17° 8	2♌ 7	14°54	24♓40	25°13	1°43	24♌18	T 2
F 3	11 10 58	19°39'33	27°32	4°R15	21°24	7°21	14°29	15°41	17°11	2° 6	14°54	24°40	25°10	1°50	24°14	F 3
S 4	11 14 55	20°39'04	9♌22	4°11	22°37	8° 1	14°42	15°48	17°14	2° 5	14°54	24°39	25° 7	1°57	24°10	S 4
S 5	11 18 51	21°38'32	21°17	3°59	23°49	8°42	14°55	15°55	17°17	2° 4	14°54	24°39	25° 3	2° 3	24° 6	S 5
M 6	11 22 48	22°37'58	3♍18	3°40	25° 2	9°22	15° 8	16° 2	17°20	2° 3	14°54	24°38	25° 0	2°10	24° 3	M 6
T 7	11 26 44	23°37'22	15°28	3°14	26°14	10° 3	15°20	16°10	17°24	2° 2	14°55	24°38	24°57	2°17	23°59	T 7
W 8	11 30 41	24°36'44	27°49	2°42	27°26	10°44	15°33	16°17	17°27	2° 1	14°55	24°38	24°54	2°23	23°55	W 8
T 9	11 34 37	25°36'03	10♎21	2° 4	28°39	11°24	15°46	16°24	17°30	2° 0	14°55	24°38	24°51	2°30	23°51	T 9
F 10	11 38 34	26°35'21	23° 7	1°23	29°51	12° 5	15°58	16°32	17°33	1°59	14°R55	24°38	24°48	2°37	23°48	F 10
S 11	11 42 31	27°34'37	6♏ 5	0°37	1♉ 3	12°45	16°11	16°39	17°37	1°58	14°55	24°38	24°44	2°44	23°44	S 11
S 12	11 46 27	28°33'50	19°18	29♓49	2°15	13°26	16°23	16°47	17°40	1°58	14°55	24°37	24°41	2°50	23°41	S 12
M13	11 50 24	29°33'02	2♐45	28°59	3°27	14° 6	16°35	16°54	17°43	1°57	14°55	24°37	24°38	2°57	23°38	M13
T 14	11 54 20	0♈32'13	16°26	28° 9	4°39	14°47	16°48	17° 1	17°46	1°56	14°55	24°36	24°35	3° 4	23°35	T 14
W15	11 58 17	1°31'21	0♑21	27°20	5°51	15°28	17° 0	17° 9	17°50	1°56	14°54	24°D36	24°32	3°10	23°31	W15
T 16	12 2 13	2°30'28	14°29	26°31	7° 3	16° 8	17°12	17°16	17°53	1°55	14°54	24°36	24°29	3°17	23°28	T 16
F 17	12 6 10	3°29'33	28°49	25°45	8°14	16°49	17°24	17°24	17°57	1°54	14°54	24°37	24°25	3°24	23°25	F 17
S 18	12 10 6	4°28'36	13♒17	25° 2	9°26	17°29	17°36	17°32	18° 0	1°54	14°54	24°38	24°22	3°30	23°22	S 18
S 19	12 14 3	5°27'37	27°50	24°23	10°37	18°10	17°48	17°39	18° 3	1°53	14°54	24°39	24°19	3°37	23°20	S 19
M20	12 18 0	6°26'37	12♓22	23°47	11°49	18°50	17°59	17°47	18° 7	1°53	14°53	24°39	24°16	3°44	23°17	M20
T 21	12 21 56	7°25'34	26°49	23°17	13° 0	19°31	18°11	17°54	18°10	1°52	14°53	24°R39	24°13	3°50	23°14	T 21
W22	12 25 53	8°24'29	11♈ 4	22°51	14°11	20°11	18°23	18° 2	18°13	1°52	14°53	24°39	24° 9	3°57	23°12	W22
T 23	12 29 49	9°23'23	25° 2	22°31	15°23	20°51	18°34	18°10	18°17	1°51	14°52	24°38	24° 6	4° 4	23° 9	T 23
F 24	12 33 46	10°22'14	8♉41	22°16	16°34	21°32	18°46	18°17	18°20	1°51	14°52	24°36	24° 3	4°11	23° 7	F 24
S 25	12 37 42	11°21'03	21°58	22° 6	17°45	22°12	18°57	18°25	18°24	1°50	14°51	24°34	24° 0	4°17	23° 5	S 25
S 26	12 41 39	12°19'50	4♊54	22°D 1	18°56	22°53	19° 8	18°33	18°27	1°50	14°51	24°31	23°57	4°24	23° 3	S 26
M27	12 45 35	13°18'34	17°29	22° 2	20° 7	23°33	19°20	18°40	18°31	1°50	14°50	24°29	23°54	4°31	23° 1	M27
T 28	12 49 32	14°17'17	29°46	22° 8	21°17	24°13	19°31	18°48	18°34	1°49	14°50	24°27	23°50	4°37	22°59	T 28
W29	12 53 29	15°15'57	11♋51	22°19	22°28	24°53	19°42	18°56	18°37	1°49	14°49	24°D27	23°47	4°44	22°57	W29
T 30	12 57 25	16°14'35	23°46	22°35	23°38	25°34	19°52	19° 3	18°41	1°49	14°49	24°27	23°44	4°51	22°55	T 30
F 31	13 1 22	17♈13'11	5♌37	22♓55	24♉49	26♑14	20♒ 3	19♈11	18♈44	1♌49	14♐48	24♓28	23♓41	4♌57	22♌54	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4s53	28n42	5n13	4n23	3n 3	7n19	0s10	23s50	0s26	17s19	0s40	3n59	2s18	6n12	0s35	19n46	0s 0	14s38	8n 6	2s 7	1s53	23n55	7n22	6s26
T 2	4 30	27 31	4 56	4 35	3 11	7 49	0 7	23 49	0 27	17 15	0 40	4 2	2 18	6 13	0 35	19 46	0 0	14 38	8 6	2 7	1 54	23 53	7 24	6 26
F 3	4 7	25 5	4 26	4 43	3 18	8 19	0 4	23 48	0 28	17 12	0 40	4 5	2 18	6 14	0 35	19 46	0 0	14 37	8 6	2 8	1 56	23 51	7 26	6 25
S 4	3 43	21 36	3 46	4 47	3 24	8 49	0 1	23 47	0 29	17 8	0 40	4 8	2 17	6 16	0 35	19 46	0 0	14 37	8 6	2 8	1 57	23 49	7 28	6 25
S 5	3 20	17 13	2 55	4 46	3 28	9 19	0n 2	23 45	0 30	17 4	0 40	4 11	2 17	6 17	0 35	19 47	0 0	14 37	8 7	2 8	1 58	23 47	7 29	6 24
M 6	2 56	12 8	1 56	4 41	3 31	9 49	0 6	23 44	0 31	17 1	0 41	4 13	2 17	6 18	0 35	19 47	0 0	14 37	8 7	2 8	2 0	23 45	7 31	6 24
T 7	2 33	6 32	0 51	4 31	3 32	10 18	0 9	23 42	0 33	16 57	0 41	4 16	2 17	6 19	0 35	19 47	0 0	14 37	8 7	2 8	2 1	23 43	7 33	6 23
W 8	2 9	0 36	0s18	4 18	3 31	10 47	0 12	23 40	0 34	16 53	0 41	4 19	2 17	6 21	0 35	19 47	0 0	14 37	8 7	2 8	2 2	23 41	7 35	6 23
T 9	1 45	5s26	1 26	4 1	3 28	11 16	0 15	23 38	0 35	16 50	0 41	4 22	2 17	6 22	0 35	19 47	0 0	14 36	8 7	2 8	2 3	23 39	7 36	6 22
F 10	1 22	11 22	2 32	3 40	3 24	11 45	0 18	23 35	0 36	16 46	0 41	4 25	2 17	6 23	0 35	19 48	0 0	14 36	8 7	2 8	2 5	23 37	7 38	6 22
S 11	0 58	16 54	3 30	3 16	3 18	12 13	0 22	23 33	0 38	16 43	0 41	4 28	2 17	6 24	0 35	19 48	0 0	14 36	8 8	2 9	2 6	23 35	7 40	6 21
S 12	0 34	21 46	4 19	2 50	3 10	12 42	0 25	23 30	0 39	16 39	0 41	4 31	2 17	6 26	0 35	19 48	0 0	14 36	8 8	2 9	2 7	23 33	7 41	6 20
M13	0 11	25 36	4 54	2 21	3 0	13 9	0 28	23 27	0 40	16 35	0 42	4 34	2 17	6 27	0 35	19 48	0 0	14 36	8 8	2 9	2 8	23 31	7 43	6 20
T 14	0n13	28 3	5 14	1 51	2 49	13 37	0 31	23 24	0 42	16 32	0 42	4 37	2 17	6 28	0 35	19 48	0 0	14 36	8 8	2 9	2 10	23 28	7 45	6 19
W15	0 36	28 48	5 15	1 20	2 37	14 4	0 34	23 21	0 43	16 28	0 42	4 40	2 17	6 29	0 35	19 49	0 0	14 35	8 8	2 9	2 11	23 26	7 46	6 19
T 16	1 0	27 41	4 58	0 49	2 24	14 31	0 38	23 17	0 44	16 25	0 42	4 43	2 16	6 31	0 35	19 49	0 0	14 35	8 8	2 9	2 12	23 24	7 48	6 18
F 17	1 24	24 45	4 22	0 17	2 10	14 57	0 41	23 14	0 45	16 21	0 42	4 46	2 16	6 32	0 35	19 49	0 0	14 35	8 9	2 9	2 13	23 22	7 49	6 17
S 18	1 47	20 15	3 30	0s14	1 55	15 24	0 44	23 10	0 47	16 18	0 42	4 48	2 16	6 33	0 35	19 49	0 0	14 35	8 9	2 9	2 15	23 20	7 51	6 17
S 19	2 11	14 31	2 23	0 44	1 39	15 49	0 48	23 6	0 48	16 14	0 43	4 51	2 16	6 35	0 35	19 49	0 0	14 35	8 9	2 8	2 16	23 18	7 52	6 16
M20	2 34	7 59	1 8	1 12	1 23	16 15	0 51	23 2	0 50	16 11	0 43	4 54	2 16	6 36	0 35	19 49	0 0	14 35	8 9	2 8	2 17	23 16	7 54	6 15
T 21	2 58	1 5	0n12	1 39	1 7	16 40	0 54	22 57	0 51	16 7	0 43	4 57	2 16	6 37	0 35	19 49	0 0	14 34	8 9	2 8	2 19	23 13	7 55	6 15
W22	3 21	5n46	1 30	2 4	0 51	17 4	0 57	22 53	0 52	16 4	0 43	5 0	2 16	6 39	0 35	19 50	0 0	14 34	8 9	2 8	2 20	23 11	7 57	6 14
T 23	3 44	12 13	2 40	2 27	0 35	17 29	1 1	22 48	0 54	16 1	0 43	5 3	2 16	6 40	0 35	19 50	0 0	14 34	8 10	2 9	2 21	23 9	7 58	6 13
F 24	4 7	17 55	3 40	2 47	0 19	17 52	1 4	22 43	0 55	15 57	0 44	5 6	2 16	6 41	0 35	19 50	0 0	14 34	8 10	2 9	2 22	23 7	8 0	6 13
S 25	4 30	22 37	4 26	3 6	0 4	18 16	1 7	22 38	0 57	15 54	0 44	5 9	2 16	6 42	0 35	19 50	0 0	14 34	8 10	2 10	2 24	23 5	8 1	6 12
S 26	4 54	26 4	4 57	3 21	0s11	18 39	1 10	22 32	0 58	15 50	0 44	5 12	2 16	6 44	0 35	19 50	0 0	14 33	8 10	2 11	2 25	23 3	8 3	6 11
M27	5 17	28 8	5 13	3 34	0 26	19 1	1 13	22 27	0 59	15 47	0 44	5 15	2 16	6 45	0 34	19 50	0 0	14 33	8 10	2 12	2 26	23 0	8 4	6 10
T 28	5 39	28 46	5 14	3 44	0 40	19 23	1 17	22 21	1 1	15 44	0 44	5 18	2 16	6 46	0 34	19 50	0 0	14 33	8 10	2 13	2 27	22 58	8 5	6 10
W29	6 2	28 0	5 1	3 52	0 53	19 45	1 20	22 16	1 2	15 40	0 44	5 21	2 16	6 48	0 34	19 50	0 0	14 33	8 10	2 13	2 29	22 56	8 6	6 9
T 30	6 25	25 57	4 35	3 58	1 6	20 6	1 23	22 10	1 4	15 37	0 45	5 24	2 16	6 49	0 34	19 50	0 0	14 33	8 11	2 13	2 30	22 54	8 8	6 8
F 31	6n47	22n47	3n58	4s 0	1s18	20n26	1n26	22s 4	1s 5	15s34	0s45	5n27	2s16	6n50	0s34	19n50	0s 0	14s32	8n11	2s12	2s31	22n52	8n 9	6s 7

Julian Day Number = 2182062.5, Delta T = 11m25s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'03, Lahiri = 13°34'03 Julian Calendar 1 March 1262 == Greg. Calendar 8 March 1262

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

APRIL 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 5 18	18♈11'44	17♌28	23♓21	25♉59	26♊54	20♒14	19♈19	18♈48	1°R49	14°R47	24♓29	23♓38	5♌ 4	22°R52	S 1
S 2	13 9 15	19°10'15	29°25	23°50	27° 9	27°34	20°24	19°26	18°51	1♌48	14♐47	24°31	23°35	5°11	22♌51	S 2
M 3	13 13 11	20° 8'44	11♍31	24°24	28°19	28°14	20°35	19°34	18°55	1°48	14°46	24°32	23°31	5°17	22°49	M 3
T 4	13 17 8	21° 7'11	23°50	25° 1	29°29	28°55	20°45	19°42	18°58	1°48	14°45	24°R33	23°28	5°24	22°48	T 4
W 5	13 21 4	22° 5'36	6♎24	25°43	0♊39	29°35	20°56	19°50	19° 2	1°D48	14°44	24°32	23°25	5°31	22°47	W 5
T 6	13 25 1	23° 3'59	19°14	26°28	1°49	0♒15	21° 6	19°57	19° 5	1°48	14°44	24°31	23°22	5°37	22°46	T 6
F 7	13 28 58	24° 2'20	2♏22	27°16	2°59	0°55	21°16	20° 5	19° 8	1°48	14°43	24°27	23°19	5°44	22°45	F 7
S 8	13 32 54	25° 0'39	15°45	28° 8	4° 8	1°35	21°26	20°13	19°12	1°48	14°42	24°23	23°15	5°51	22°45	S 8
S 9	13 36 51	25°58'57	29°23	29° 3	5°18	2°15	21°35	20°20	19°15	1°48	14°41	24°18	23°12	5°58	22°44	S 9
M10	13 40 47	26°57'13	13♐13	0♈ 1	6°27	2°55	21°45	20°28	19°19	1°49	14°40	24°13	23° 9	6° 4	22°43	M10
T 11	13 44 44	27°55'27	27°12	1° 2	7°36	3°34	21°55	20°36	19°22	1°49	14°39	24° 9	23° 6	6°11	22°43	T 11
W12	13 48 40	28°53'40	11♑17	2° 6	8°45	4°14	22° 4	20°43	19°26	1°49	14°38	24° 7	23° 3	6°18	22°43	W12
T 13	13 52 37	29°51'52	25°26	3°12	9°54	4°54	22°14	20°51	19°29	1°49	14°37	24°D 5	23° 0	6°24	22°42	T 13
F 14	13 56 33	0♉50'01	9♒38	4°22	11° 3	5°34	22°23	20°59	19°32	1°50	14°36	24° 6	22°56	6°31	22°D42	F 14
S 15	14 0 30	1°48'10	23°49	5°33	12°12	6°14	22°32	21° 6	19°36	1°50	14°35	24° 7	22°53	6°38	22°42	S 15
S 16	14 4 27	2°46'17	7♓58	6°48	13°20	6°53	22°41	21°14	19°39	1°50	14°34	24° 8	22°50	6°44	22°43	S 16
M17	14 8 23	3°44'22	22° 3	8° 4	14°29	7°33	22°50	21°21	19°42	1°51	14°33	24°R 9	22°47	6°51	22°43	M17
T 18	14 12 20	4°42'26	6♈ 2	9°23	15°37	8°12	22°58	21°29	19°46	1°51	14°32	24° 8	22°44	6°58	22°43	T 18
W19	14 16 16	5°40'28	19°52	10°44	16°45	8°52	23° 7	21°36	19°49	1°51	14°31	24° 6	22°40	7° 4	22°44	W19
T 20	14 20 13	6°38'29	3♉31	12° 7	17°53	9°31	23°15	21°44	19°53	1°52	14°30	24° 1	22°37	7°11	22°44	T 20
F 21	14 24 9	7°36'28	16°54	13°33	19° 1	10°11	23°24	21°52	19°56	1°52	14°29	23°55	22°34	7°18	22°45	F 21
S 22	14 28 6	8°34'26	0♊ 1	15° 1	20° 8	10°50	23°32	21°59	19°59	1°53	14°27	23°48	22°31	7°24	22°46	S 22
S 23	14 32 2	9°32'22	12°51	16°31	21°16	11°29	23°40	22° 7	20° 2	1°53	14°26	23°40	22°28	7°31	22°47	S 23
M24	14 35 59	10°30'16	25°23	18° 3	22°23	12° 9	23°48	22°14	20° 6	1°54	14°25	23°32	22°25	7°38	22°48	M24
T 25	14 39 56	11°28'09	7♋40	19°37	23°31	12°48	23°56	22°21	20° 9	1°55	14°24	23°26	22°21	7°45	22°49	T 25
W26	14 43 52	12°26'00	19°44	21°13	24°38	13°27	24° 3	22°29	20°12	1°55	14°23	23°21	22°18	7°51	22°50	W26
T 27	14 47 49	13°23'49	1♌39	22°52	25°45	14° 6	24°11	22°36	20°16	1°56	14°21	23°18	22°15	7°58	22°51	T 27
F 28	14 51 45	14°21'36	13°30	24°32	26°51	14°45	24°18	22°44	20°19	1°57	14°20	23°D17	22°12	8° 5	22°53	F 28
S 29	14 55 42	15°19'22	25°21	26°14	27°58	15°23	24°25	22°51	20°22	1°58	14°19	23°18	22° 9	8°11	22°54	S 29
S 30	14 59 38	16♉17'06	7♍19	27♈59	29♊ 4	16♒ 2	24♒32	22♈58	20♈25	1♌58	14♐17	23♓19	22♓ 6	8♌18	22♌56	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n10	18n40	3n10	4s 1	1s29	20n46	1n29	21s57	1s 7	15s31	0s45	5n30	2s16	6n52	0s34	19n50	0s 0	14s32	8n11	2s12	2s32	22n49	8n10	6s 7
S 2	7 32	13 49	2 14	3 59	1 39	21 6	1 32	21 51	1 8	15 28	0 45	5 33	2 16	6 53	0 34	19 50	0 0	14 32	8 11	2 11	2 34	22 47	8 11	6 6
M 3	7 54	8 22	1 11	3 54	1 49	21 25	1 35	21 44	1 10	15 24	0 45	5 35	2 16	6 54	0 34	19 50	0 0	14 32	8 11	2 11	2 35	22 45	8 12	6 5
T 4	8 16	2 31	0 4	3 48	1 58	21 43	1 38	21 38	1 11	15 21	0 46	5 38	2 16	6 56	0 34	19 50	0n 0	14 32	8 11	2 10	2 36	22 43	8 14	6 4
W 5	8 38	3s32	1s 5	3 39	2 7	22 1	1 41	21 31	1 13	15 18	0 46	5 41	2 16	6 57	0 34	19 50	0 0	14 31	8 11	2 11	2 37	22 40	8 15	6 4
T 6	9 0	9 35	2 11	3 28	2 15	22 18	1 44	21 24	1 15	15 15	0 46	5 44	2 16	6 58	0 34	19 50	0 0	14 31	8 11	2 11	2 39	22 38	8 16	6 3
F 7	9 22	15 21	3 12	3 15	2 22	22 35	1 46	21 17	1 16	15 12	0 46	5 47	2 16	7 0	0 34	19 50	0 0	14 31	8 12	2 13	2 40	22 36	8 17	6 2
S 8	9 43	20 31	4 4	3 0	2 28	22 51	1 49	21 9	1 18	15 9	0 46	5 50	2 16	7 1	0 34	19 50	0 0	14 31	8 12	2 14	2 41	22 34	8 18	6 1
S 9	10 5	24 42	4 43	2 44	2 34	23 6	1 52	21 2	1 19	15 6	0 47	5 53	2 16	7 2	0 34	19 50	0 0	14 31	8 12	2 16	2 43	22 31	8 19	6 0
M10	10 26	27 32	5 6	2 25	2 39	23 21	1 54	20 54	1 21	15 3	0 47	5 56	2 16	7 4	0 34	19 50	0 0	14 30	8 12	2 18	2 44	22 29	8 20	6 0
T 11	10 47	28 42	5 11	2 4	2 43	23 36	1 57	20 46	1 23	15 0	0 47	5 59	2 16	7 5	0 34	19 50	0 0	14 30	8 12	2 20	2 45	22 27	8 20	5 59
W12	11 8	28 0	4 58	1 42	2 46	23 49	2 0	20 38	1 24	14 57	0 47	6 1	2 16	7 6	0 34	19 50	0 0	14 30	8 12	2 21	2 46	22 24	8 21	5 58
T 13	11 28	25 30	4 26	1 19	2 49	24 2	2 2	20 30	1 26	14 55	0 48	6 4	2 16	7 7	0 34	19 50	0 0	14 30	8 12	2 21	2 48	22 22	8 22	5 57
F 14	11 49	21 25	3 39	0 53	2 52	24 15	2 5	20 22	1 28	14 52	0 48	6 7	2 16	7 9	0 34	19 50	0 0	14 30	8 12	2 21	2 49	22 20	8 23	5 56
S 15	12 9	16 7	2 38	0 26	2 53	24 27	2 7	20 14	1 29	14 49	0 48	6 10	2 16	7 10	0 34	19 50	0 0	14 29	8 12	2 21	2 50	22 18	8 24	5 56
S 16	12 29	9 58	1 27	0n 2	2 54	24 38	2 9	20 6	1 31	14 46	0 48	6 13	2 16	7 11	0 34	19 50	0 0	14 29	8 12	2 20	2 51	22 15	8 24	5 55
M17	12 49	3 20	0 11	0 32	2 55	24 48	2 12	19 57	1 33	14 43	0 48	6 16	2 16	7 13	0 34	19 50	0 0	14 29	8 13	2 20	2 53	22 13	8 25	5 54
T 18	13 9	3n23	1n 4	1 3	2 55	24 58	2 14	19 48	1 34	14 41	0 49	6 18	2 16	7 14	0 34	19 50	0 0	14 29	8 13	2 20	2 54	22 11	8 26	5 53
W19	13 28	9 53	2 15	1 36	2 54	25 8	2 16	19 40	1 36	14 38	0 49	6 21	2 16	7 15	0 34	19 50	0 0	14 29	8 13	2 21	2 55	22 8	8 26	5 52
T 20	13 47	15 49	3 17	2 10	2 52	25 16	2 18	19 31	1 38	14 36	0 49	6 24	2 16	7 16	0 34	19 50	0 0	14 28	8 13	2 23	2 56	22 6	8 27	5 52
F 21	14 6	20 53	4 7	2 45	2 50	25 24	2 20	19 22	1 40	14 33	0 49	6 27	2 16	7 18	0 34	19 50	0 0	14 28	8 13	2 26	2 58	22 4	8 28	5 51
S 22	14 25	24 50	4 42	3 22	2 48	25 31	2 22	19 13	1 41	14 31	0 50	6 29	2 16	7 19	0 34	19 50	0 0	14 28	8 13	2 28	2 59	22 1	8 28	5 50
S 23	14 44	27 26	5 2	3 59	2 45	25 38	2 23	19 3	1 43	14 28	0 50	6 32	2 16	7 20	0 34	19 49	0 0	14 28	8 13	2 32	3 0	21 59	8 29	5 49
M24	15 2	28 35	5 8	4 38	2 41	25 44	2 25	18 54	1 45	14 26	0 50	6 35	2 16	7 21	0 34	19 49	0 0	14 28	8 13	2 35	3 1	21 57	8 29	5 48
T 25	15 20	28 17	4 58	5 17	2 37	25 49	2 27	18 45	1 47	14 23	0 50	6 38	2 16	7 23	0 34	19 49	0 0	14 27	8 13	2 37	3 3	21 54	8 29	5 48
W26	15 38	26 38	4 36	5 58	2 32	25 54	2 28	18 35	1 49	14 21	0 51	6 40	2 17	7 24	0 34	19 49	0 0	14 27	8 13	2 39	3 4	21 52	8 30	5 47
T 27	15 55	23 48	4 2	6 39	2 27	25 58	2 30	18 26	1 50	14 19	0 51	6 43	2 17	7 25	0 34	19 49	0 0	14 27	8 13	2 40	3 5	21 49	8 30	5 46
F 28	16 13	19 59	3 18	7 22	2 21	26 1	2 31	18 16	1 52	14 17	0 51	6 46	2 17	7 26	0 34	19 49	0 0	14 27	8 13	2 40	3 6	21 47	8 30	5 45
S 29	16 30	15 23	2 25	8 5	2 14	26 4	2 32	18 6	1 54	14 14	0 51	6 48	2 17	7 27	0 34	19 49	0 0	14 27	8 13	2 40	3 8	21 45	8 31	5 44
S 30	16n47	10n11	1n25	8n49	2s 8	26n 6	2n33	17s56	1s56	14s12	0s51	6n51	2s17	7n29	0s34	19n48	0n 0	14s26	8n13	2s40	3s 9	21n42	8n31	5s43

Julian Day Number = 2182093.5, Delta T = 11m25s
Ecliptic obliquity = 23°32'16, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'07, Lahiri = 13°34'07 Julian Calendar 1 Apr. 1262 == Greg. Calendar 8 Apr. 1262

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

MAY 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 3 35	17♉14'48	19♍27	29♈46	0♋10	16♒41	24♒39	23♈ 6	20♈28	1♏59	14°R16	23°R20	22♓ 2	8♏25	22♏58	M 1
T 2	15 7 31	18°12'28	1♎51	1♉34	1°16	17°19	24°46	23°13	20°31	2° 0	14♐15	23♓20	21°59	8°31	23° 0	T 2
W 3	15 11 28	19°10'07	14°34	3°25	2°22	17°58	24°53	23°20	20°35	2° 1	14°13	23°17	21°56	8°38	23° 2	W 3
T 4	15 15 25	20° 7'45	27°38	5°18	3°27	18°36	24°59	23°27	20°38	2° 2	14°12	23°13	21°53	8°45	23° 4	T 4
F 5	15 19 21	21° 5'21	11♏ 4	7°13	4°33	19°15	25° 5	23°34	20°41	2° 3	14°10	23° 6	21°50	8°51	23° 6	F 5
S 6	15 23 18	22° 2'56	24°52	9°10	5°38	19°53	25°12	23°41	20°44	2° 4	14° 9	22°58	21°46	8°58	23° 9	S 6
S 7	15 27 14	23° 0'30	8♐56	11° 9	6°43	20°31	25°18	23°48	20°47	2° 5	14° 8	22°49	21°43	9° 5	23°11	S 7
M 8	15 31 11	23°58'02	23°14	13°10	7°47	21° 9	25°23	23°56	20°50	2° 6	14° 6	22°39	21°40	9°11	23°14	M 8
T 9	15 35 7	24°55'34	7♑38	15°13	8°52	21°47	25°29	24° 3	20°53	2° 7	14° 5	22°31	21°37	9°18	23°16	T 9
W10	15 39 4	25°53'05	22° 3	17°17	9°56	22°25	25°35	24°10	20°56	2° 8	14° 3	22°25	21°34	9°25	23°19	W10
T 11	15 43 0	26°50'35	6♒24	19°23	11° 0	23° 3	25°40	24°16	20°59	2° 9	14° 2	22°21	21°31	9°31	23°22	T 11
F 12	15 46 57	27°48'04	20°39	21°31	12° 4	23°40	25°45	24°23	21° 2	2°10	14° 0	22°19	21°27	9°38	23°25	F 12
S 13	15 50 54	28°45'32	4♓44	23°40	13° 7	24°18	25°50	24°30	21° 5	2°11	13°59	22°D19	21°24	9°45	23°28	S 13
S 14	15 54 50	29°42'59	18°40	25°50	14°10	24°55	25°55	24°37	21° 8	2°13	13°57	22°R20	21°21	9°51	23°31	S 14
M15	15 58 47	0♊40'26	2♈26	28° 1	15°13	25°33	26° 0	24°44	21°10	2°14	13°56	22°19	21°18	9°58	23°34	M15
T 16	16 2 43	1°37'52	16° 2	0♊12	16°16	26°10	26° 4	24°50	21°13	2°15	13°54	22°17	21°15	10° 5	23°38	T 16
W17	16 6 40	2°35'17	29°27	2°24	17°18	26°47	26° 8	24°57	21°16	2°16	13°53	22°13	21°12	10°12	23°41	W17
T 18	16 10 36	3°32'41	12♉42	4°36	18°21	27°24	26°12	25° 4	21°19	2°18	13°51	22° 5	21° 8	10°18	23°45	T 18
F 19	16 14 33	4°30'05	25°45	6°48	19°22	28° 1	26°16	25°10	21°22	2°19	13°49	21°55	21° 5	10°25	23°48	F 19
S 20	16 18 29	5°27'28	8♊35	9° 0	20°24	28°37	26°20	25°17	21°24	2°20	13°48	21°44	21° 2	10°32	23°52	S 20
S 21	16 22 26	6°24'50	21°12	11°10	21°25	29°14	26°24	25°23	21°27	2°22	13°46	21°31	20°59	10°38	23°56	S 21
M22	16 26 23	7°22'11	3♋36	13°20	22°26	29°50	26°27	25°30	21°30	2°23	13°45	21°19	20°56	10°45	24° 0	M22
T 23	16 30 19	8°19'32	15°47	15°29	23°27	0♓26	26°30	25°36	21°32	2°25	13°43	21° 8	20°52	10°52	24° 4	T 23
W24	16 34 16	9°16'51	27°47	17°36	24°27	1° 2	26°34	25°42	21°35	2°26	13°42	21° 0	20°49	10°58	24° 8	W24
T 25	16 38 12	10°14'09	9♌40	19°42	25°27	1°38	26°36	25°49	21°37	2°28	13°40	20°54	20°46	11° 5	24°12	T 25
F 26	16 42 9	11°11'27	21°29	21°45	26°26	2°14	26°39	25°55	21°40	2°29	13°39	20°50	20°43	11°12	24°17	F 26
S 27	16 46 5	12° 8'44	3♍19	23°48	27°25	2°49	26°42	26° 1	21°42	2°31	13°37	20°49	20°40	11°18	24°21	S 27
S 28	16 50 2	13° 5'59	15°15	25°48	28°24	3°24	26°44	26° 7	21°45	2°32	13°35	20°49	20°37	11°25	24°25	S 28
M29	16 53 58	14° 3'14	27°22	27°46	29°22	4° 0	26°46	26°13	21°47	2°34	13°34	20°49	20°33	11°32	24°30	M29
T 30	16 57 55	15° 0'28	9♎47	29°41	0♌20	4°34	26°48	26°19	21°50	2°35	13°32	20°48	20°30	11°38	24°35	T 30
W31	17 1 52	15♊57'41	22♎33	1♋35	1♌17	5♓ 9	26♒50	26♈25	21♈52	2♏37	13♐31	20♓45	20♓27	11♏45	24♏39	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17n 3	4n31	0n21	9n34	2s 0	26n 7	2n35	17s46	1s58	14s10	0s52	6n54	2s17	7n30	0s34	19n48	0n 0	14s26	8n13	2s40	3s10	21n40	8n31	5s43
T 2	17 19	1s26	0s46	10 19	1 52	26 7	2 35	17 36	2 0	14 8	0 52	6 56	2 17	7 31	0 34	19 48	0 0	14 26	8 13	2 40	3 11	21 37	8 31	5 42
W 3	17 35	7 28	1 51	11 5	1 44	26 7	2 36	17 26	2 2	14 6	0 52	6 59	2 17	7 32	0 34	19 48	0 0	14 26	8 13	2 40	3 13	21 35	8 31	5 41
T 4	17 51	13 22	2 53	11 51	1 35	26 7	2 37	17 16	2 4	14 4	0 53	7 1	2 17	7 33	0 34	19 48	0 0	14 26	8 13	2 42	3 14	21 33	8 31	5 40
F 5	18 6	18 48	3 47	12 37	1 26	26 5	2 38	17 6	2 5	14 2	0 53	7 4	2 17	7 34	0 35	19 47	0 0	14 26	8 13	2 45	3 15	21 30	8 31	5 39
S 6	18 21	23 24	4 29	13 24	1 17	26 3	2 38	16 55	2 7	14 1	0 53	7 6	2 17	7 36	0 35	19 47	0 0	14 25	8 13	2 48	3 17	21 28	8 31	5 39
S 7	18 36	26 44	4 55	14 10	1 7	26 0	2 39	16 45	2 9	13 59	0 53	7 9	2 17	7 37	0 35	19 47	0 0	14 25	8 13	2 52	3 18	21 25	8 31	5 38
M 8	18 50	28 25	5 4	14 57	0 57	25 57	2 39	16 35	2 11	13 57	0 54	7 11	2 18	7 38	0 35	19 47	0 0	14 25	8 13	2 56	3 19	21 23	8 31	5 37
T 9	19 5	28 12	4 53	15 43	0 47	25 53	2 39	16 24	2 13	13 55	0 54	7 14	2 18	7 39	0 35	19 47	0 0	14 25	8 13	2 59	3 20	21 21	8 31	5 36
W10	19 18	26 4	4 25	16 29	0 37	25 49	2 39	16 14	2 15	13 54	0 54	7 16	2 18	7 40	0 35	19 46	0 0	14 25	8 13	3 1	3 22	21 18	8 31	5 35
T 11	19 32	22 17	3 39	17 14	0 26	25 43	2 39	16 3	2 17	13 52	0 54	7 19	2 18	7 41	0 35	19 46	0 0	14 25	8 13	3 3	3 23	21 16	8 31	5 35
F 12	19 45	17 12	2 40	17 58	0 15	25 37	2 39	15 52	2 19	13 51	0 55	7 21	2 18	7 42	0 35	19 46	0 0	14 24	8 13	3 3	3 24	21 13	8 31	5 34
S 13	19 58	11 15	1 32	18 42	0 5	25 31	2 39	15 42	2 21	13 49	0 55	7 24	2 18	7 43	0 35	19 46	0 0	14 24	8 13	3 3	3 25	21 11	8 30	5 33
S 14	20 10	4 48	0 19	19 24	0n 6	25 24	2 38	15 31	2 23	13 48	0 55	7 26	2 18	7 44	0 35	19 45	0 0	14 24	8 13	3 3	3 27	21 8	8 30	5 32
M15	20 23	1n47	0n53	20 4	0 17	25 16	2 38	15 20	2 25	13 46	0 55	7 28	2 18	7 46	0 35	19 45	0 0	14 24	8 13	3 3	3 28	21 6	8 30	5 32
T 16	20 34	8 13	2 2	20 43	0 27	25 8	2 37	15 9	2 27	13 45	0 56	7 31	2 19	7 47	0 35	19 45	0 0	14 24	8 13	3 4	3 29	21 3	8 29	5 31
W17	20 46	14 11	3 3	21 20	0 37	24 59	2 36	14 59	2 29	13 44	0 56	7 33	2 19	7 48	0 35	19 45	0 0	14 24	8 13	3 6	3 30	21 1	8 29	5 30
T 18	20 57	19 25	3 54	21 55	0 47	24 50	2 35	14 48	2 32	13 43	0 56	7 35	2 19	7 49	0 35	19 44	0 1	14 24	8 13	3 9	3 32	20 58	8 29	5 29
F 19	21 8	23 39	4 31	22 27	0 56	24 40	2 34	14 37	2 34	13 42	0 57	7 37	2 19	7 50	0 35	19 44	0 1	14 24	8 13	3 13	3 33	20 56	8 28	5 29
S 20	21 18	26 39	4 53	22 58	1 5	24 30	2 33	14 26	2 36	13 41	0 57	7 40	2 19	7 51	0 35	19 44	0 1	14 23	8 13	3 18	3 34	20 53	8 28	5 28
S 21	21 28	28 15	5 1	23 25	1 13	24 19	2 31	14 15	2 38	13 40	0 57	7 42	2 19	7 52	0 35	19 43	0 1	14 23	8 13	3 23	3 35	20 51	8 27	5 27
M22	21 38	28 23	4 54	23 50	1 21	24 7	2 30	14 4	2 40	13 39	0 57	7 44	2 19	7 53	0 35	19 43	0 1	14 23	8 13	3 27	3 37	20 48	8 27	5 26
T 23	21 47	27 8	4 34	24 12	1 28	23 55	2 28	13 53	2 42	13 38	0 58	7 46	2 19	7 54	0 35	19 43	0 1	14 23	8 13	3 32	3 38	20 46	8 26	5 26
W24	21 56	24 38	4 2	24 32	1 35	23 43	2 26	13 42	2 44	13 37	0 58	7 49	2 20	7 55	0 35	19 42	0 1	14 23	8 13	3 35	3 39	20 43	8 25	5 25
T 25	22 5	21 6	3 20	24 48	1 41	23 30	2 24	13 31	2 46	13 36	0 58	7 51	2 20	7 55	0 35	19 42	0 1	14 23	8 13	3 37	3 40	20 41	8 25	5 24
F 26	22 13	16 45	2 29	25 2	1 46	23 16	2 22	13 21	2 49	13 36	0 58	7 53	2 20	7 56	0 35	19 42	0 1	14 23	8 13	3 39	3 42	20 38	8 24	5 23
S 27	22 20	11 45	1 31	25 13	1 50	23 2	2 19	13 10	2 51	13 35	0 59	7 55	2 20	7 57	0 35	19 41	0 1	14 23	8 12	3 39	3 43	20 36	8 23	5 23
S 28	22 28	6 17	0 29	25 22	1 54	22 48	2 17	12 59	2 53	13 35	0 59	7 57	2 20	7 58	0 35	19 41	0 1	14 23	8 12	3 39	3 44	20 33	8 22	5 22
M29	22 35	0 31	0s35	25 28	1 57	22 33	2 14	12 48	2 55	13 34	0 59	7 59	2 20	7 59	0 35	19 41	0 1	14 22	8 12	3 39	3 45	20 31	8 21	5 21
T 30	22 41	5s24	1 39	25 31	1 59	22 18	2 11	12 37	2 57	13 34	1 0	8 1	2 21	8 0	0 35	19 40	0 1	14 22	8 12	3 40	3 47	20 28	8 21	5 21
W31	22n48	11s16	2s39	25n32	2n 0	22n 2	2n 8	12s26	3s 0	13s34	1s 0	8n 3	2s21	8n 1	0s35	19n40	0n 1	14s22	8n12	3s41	3s48	20n26	8n20	5s20

Julian Day Number = 2182123.5, Delta T = 11m25s
Ecliptic obliquity = 23°32'15, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'11, Lahiri = 13°34'11 Julian Calendar 1 May 1262 == Greg. Calendar 8 May 1262

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

JUNE 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 5 48	16♊54'54	5♏43	3♋27	2♌14	5♓44	26♒51	26♈31	21♈54	2♌39	13°R29	20°R40	20♓24	11♌52	24♌44	T 1
F 2	17 9 45	17°52'06	19°21	5°16	3°11	6°18	26°53	26°37	21°56	2°40	13♐27	20♓32	20°21	11°58	24°49	F 2
S 3	17 13 41	18°49'17	3♐24	7° 3	4° 7	6°52	26°54	26°43	21°59	2°42	13°26	20°22	20°18	12° 5	24°54	S 3
S 4	17 17 38	19°46'28	17°49	8°47	5° 2	7°26	26°55	26°48	22° 1	2°44	13°24	20°11	20°14	12°12	24°59	S 4
M 5	17 21 34	20°43'39	2♑31	10°30	5°57	8° 0	26°56	26°54	22° 3	2°46	13°23	20° 0	20°11	12°18	25° 5	M 5
T 6	17 25 31	21°40'49	17°20	12°10	6°52	8°34	26°56	26°59	22° 5	2°47	13°21	19°50	20° 8	12°25	25°10	T 6
W 7	17 29 28	22°37'59	2♒ 9	13°47	7°46	9° 7	26°57	27° 5	22° 7	2°49	13°20	19°42	20° 5	12°32	25°15	W 7
T 8	17 33 24	23°35'09	16°49	15°22	8°39	9°40	26°57	27°10	22° 9	2°51	13°18	19°37	20° 2	12°38	25°21	T 8
F 9	17 37 21	24°32'19	1♓17	16°55	9°32	10°13	26°R57	27°16	22°11	2°53	13°17	19°34	19°58	12°45	25°26	F 9
S 10	17 41 17	25°29'30	15°28	18°26	10°24	10°45	26°57	27°21	22°13	2°55	13°15	19°34	19°55	12°52	25°32	S 10
S 11	17 45 14	26°26'40	29°22	19°54	11°16	11°18	26°57	27°26	22°15	2°56	13°13	19°34	19°52	12°58	25°37	S 11
M12	17 49 10	27°23'50	12♈59	21°20	12° 7	11°50	26°56	27°31	22°17	2°58	13°12	19°33	19°49	13° 5	25°43	M12
T 13	17 53 7	28°21'01	26°21	22°43	12°57	12°21	26°55	27°36	22°19	3° 0	13°10	19°31	19°46	13°12	25°49	T 13
W14	17 57 3	29°18'11	9♉29	24° 4	13°46	12°53	26°54	27°41	22°21	3° 2	13° 9	19°26	19°43	13°18	25°55	W14
T 15	18 1 0	0♋15'22	22°24	25°23	14°35	13°24	26°53	27°46	22°22	3° 4	13° 7	19°18	19°39	13°25	26° 1	T 15
F 16	18 4 57	1°12'34	5♊ 7	26°39	15°23	13°55	26°52	27°51	22°24	3° 6	13° 6	19° 8	19°36	13°32	26° 7	F 16
S 17	18 8 53	2° 9'45	17°39	27°52	16°10	14°26	26°50	27°56	22°26	3° 8	13° 4	18°56	19°33	13°38	26°13	S 17
S 18	18 12 50	3° 6'57	0♋ 1	29° 2	16°57	14°56	26°49	28° 0	22°27	3°10	13° 3	18°43	19°30	13°45	26°19	S 18
M19	18 16 46	4° 4'08	12°13	0♌10	17°43	15°26	26°47	28° 5	22°29	3°12	13° 2	18°31	19°27	13°52	26°25	M19
T 20	18 20 43	5° 1'20	24°15	1°15	18°27	15°55	26°45	28° 9	22°31	3°14	13° 0	18°19	19°24	13°58	26°32	T 20
W21	18 24 39	5°58'32	6♌10	2°17	19°11	16°25	26°42	28°14	22°32	3°16	12°59	18°10	19°20	14° 5	26°38	W21
T 22	18 28 36	6°55'44	18° 0	3°16	19°54	16°54	26°40	28°18	22°34	3°18	12°57	18° 4	19°17	14°12	26°44	T 22
F 23	18 32 32	7°52'55	29°47	4°12	20°36	17°22	26°37	28°22	22°35	3°20	12°56	18° 0	19°14	14°19	26°51	F 23
S 24	18 36 29	8°50'07	11♍36	5° 5	21°17	17°50	26°34	28°27	22°36	3°22	12°55	17°59	19°11	14°25	26°57	S 24
S 25	18 40 26	9°47'19	23°31	5°54	21°57	18°18	26°31	28°31	22°38	3°24	12°53	17°D59	19° 8	14°32	27° 4	S 25
M26	18 44 22	10°44'31	5♎37	6°40	22°36	18°46	26°28	28°35	22°39	3°26	12°52	17°R59	19° 4	14°39	27°11	M26
T 27	18 48 19	11°41'43	17°59	7°22	23°14	19°13	26°25	28°39	22°40	3°28	12°50	17°59	19° 1	14°45	27°17	T 27
W28	18 52 15	12°38'55	0♏43	8° 1	23°50	19°39	26°21	28°43	22°41	3°30	12°49	17°57	18°58	14°52	27°24	W28
T 29	18 56 12	13°36'08	13°53	8°36	24°25	20° 6	26°17	28°46	22°42	3°32	12°48	17°54	18°55	14°59	27°31	T 29
F 30	19 0 8	14♋33'20	27♏32	9♌ 6	24♌59	20♓31	26♒14	28♈50	22♈44	3♌35	12♐47	17♓48	18♓52	15♌ 5	27♌38	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n53	16s50	3s34	25n30	2n 1	21n46	2n 5	12s16	3s 2	13s33	1s 0	8n 5	2s21	8n 2	0s35	19n40	0n 1	14s22	8n12	3s43	3s49	20n23	8n19	5s19
F 2	22 59	21 46	4 18	25 27	2 1	21 30	2 2	12 5	3 4	13 33	1 0	8 7	2 21	8 3	0 35	19 39	0 1	14 22	8 12	3 46	3 50	20 20	8 18	5 18
S 3	23 4	25 37	4 47	25 21	2 0	21 13	1 58	11 54	3 6	13 33	1 1	8 9	2 21	8 3	0 35	19 39	0 1	14 22	8 12	3 50	3 52	20 18	8 17	5 18
S 4	23 8	27 57	5 0	25 13	1 59	20 56	1 54	11 44	3 8	13 33	1 1	8 11	2 21	8 4	0 35	19 38	0 1	14 22	8 12	3 54	3 53	20 15	8 16	5 17
M 5	23 13	28 24	4 53	25 4	1 57	20 39	1 51	11 33	3 11	13 33	1 1	8 12	2 22	8 5	0 35	19 38	0 1	14 22	8 11	3 59	3 54	20 13	8 15	5 16
T 6	23 16	26 49	4 27	24 52	1 54	20 21	1 47	11 22	3 13	13 33	1 2	8 14	2 22	8 6	0 35	19 38	0 1	14 22	8 11	4 3	3 55	20 10	8 14	5 16
W 7	23 20	23 22	3 43	24 39	1 51	20 3	1 42	11 12	3 15	13 33	1 2	8 16	2 22	8 6	0 35	19 37	0 1	14 22	8 11	4 6	3 57	20 8	8 12	5 15
T 8	23 23	18 27	2 44	24 25	1 46	19 45	1 38	11 1	3 18	13 33	1 2	8 18	2 22	8 7	0 35	19 37	0 1	14 22	8 11	4 8	3 58	20 5	8 11	5 14
F 9	23 25	12 33	1 35	24 9	1 42	19 26	1 33	10 51	3 20	13 33	1 3	8 20	2 22	8 8	0 35	19 36	0 1	14 22	8 11	4 9	3 59	20 2	8 10	5 14
S 10	23 28	6 5	0 22	23 51	1 36	19 7	1 28	10 41	3 22	13 34	1 3	8 21	2 23	8 9	0 35	19 36	0 1	14 22	8 11	4 9	4 0	20 0	8 9	5 13
S 11	23 29	0n32	0n52	23 33	1 31	18 48	1 23	10 30	3 24	13 34	1 3	8 23	2 23	8 9	0 35	19 36	0 1	14 22	8 11	4 9	4 2	19 57	8 8	5 12
M12	23 31	7 0	2 1	23 13	1 24	18 29	1 18	10 20	3 27	13 35	1 3	8 25	2 23	8 10	0 35	19 35	0 1	14 22	8 10	4 9	4 3	19 55	8 6	5 12
T 13	23 32	13 1	3 1	22 53	1 17	18 9	1 12	10 10	3 29	13 35	1 4	8 26	2 23	8 11	0 35	19 35	0 1	14 22	8 10	4 10	4 4	19 52	8 5	5 11
W14	23 32	18 22	3 51	22 31	1 10	17 50	1 7	10 0	3 31	13 36	1 4	8 28	2 23	8 11	0 35	19 34	0 1	14 22	8 10	4 12	4 5	19 49	8 4	5 11
T 15	23 32	22 46	4 29	22 9	1 1	17 30	1 1	9 50	3 34	13 36	1 4	8 29	2 24	8 12	0 35	19 34	0 1	14 22	8 10	4 15	4 7	19 47	8 2	5 10
F 16	23 32	26 1	4 52	21 47	0 53	17 10	0 55	9 40	3 36	13 37	1 5	8 31	2 24	8 13	0 35	19 34	0 1	14 22	8 10	4 19	4 8	19 44	8 1	5 9
S 17	23 31	27 57	5 1	21 23	0 44	16 49	0 49	9 31	3 38	13 38	1 5	8 32	2 24	8 13	0 35	19 33	0 1	14 22	8 9	4 24	4 9	19 41	7 59	5 9
S 18	23 30	28 27	4 55	20 59	0 34	16 29	0 42	9 21	3 41	13 39	1 5	8 34	2 24	8 14	0 35	19 33	0 1	14 22	8 9	4 29	4 10	19 39	7 58	5 8
M19	23 28	27 33	4 36	20 35	0 24	16 9	0 35	9 11	3 43	13 40	1 5	8 35	2 24	8 14	0 35	19 32	0 1	14 22	8 9	4 34	4 12	19 36	7 56	5 8
T 20	23 27	25 22	4 4	20 11	0 13	15 48	0 28	9 2	3 46	13 41	1 6	8 37	2 25	8 15	0 35	19 32	0 1	14 22	8 9	4 38	4 13	19 34	7 55	5 7
W21	23 24	22 4	3 23	19 46	0 2	15 28	0 21	8 53	3 48	13 42	1 6	8 38	2 25	8 15	0 35	19 31	0 1	14 22	8 9	4 42	4 14	19 31	7 53	5 6
T 22	23 21	17 55	2 32	19 22	0s 9	15 7	0 14	8 44	3 50	13 43	1 6	8 39	2 25	8 16	0 35	19 31	0 1	14 22	8 8	4 44	4 15	19 28	7 51	5 6
F 23	23 18	13 5	1 35	18 57	0 21	14 47	0 6	8 35	3 53	13 44	1 7	8 41	2 25	8 17	0 35	19 30	0 1	14 22	8 8	4 46	4 17	19 26	7 50	5 5
S 24	23 15	7 46	0 34	18 33	0 33	14 26	0s 2	8 26	3 55	13 45	1 7	8 42	2 26	8 17	0 35	19 30	0 1	14 22	8 8	4 46	4 18	19 23	7 48	5 5
S 25	23 10	2 8	0s29	18 8	0 45	14 5	0 10	8 17	3 58	13 47	1 7	8 43	2 26	8 17	0 35	19 29	0 1	14 22	8 8	4 46	4 19	19 20	7 46	5 4
M26	23 6	3s39	1 33	17 45	0 58	13 45	0 18	8 8	4 0	13 48	1 7	8 44	2 26	8 18	0 35	19 29	0 1	14 22	8 8	4 46	4 20	19 18	7 45	5 4
T 27	23 1	9 26	2 33	17 21	1 11	13 24	0 27	8 0	4 2	13 49	1 8	8 46	2 26	8 18	0 35	19 28	0 1	14 22	8 7	4 46	4 22	19 15	7 43	5 3
W28	22 56	15 0	3 27	16 58	1 25	13 4	0 36	7 52	4 5	13 51	1 8	8 47	2 26	8 19	0 35	19 28	0 1	14 22	8 7	4 47	4 23	19 12	7 41	5 3
T 29	22 50	20 5	4 13	16 36	1 38	12 44	0 45	7 43	4 7	13 52	1 8	8 48	2 27	8 19	0 35	19 27	0 1	14 22	8 7	4 48	4 24	19 9	7 39	5 2
F 30	22n44	24s19	4s46	16n15	1s52	12n23	0s54	7s35	4s10	13s54	1s 9	8n49	2s27	8n20	0s35	19n27	0n 1	14s23	8n 7	4s50	4s25	19n 7	7n37	5s 1

Julian Day Number = 2182154.5, Delta T = 11m25s
Ecliptic obliquity = 23°32'15, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'15, Lahiri = 13°34'16 Julian Calendar 1 June 1262 == Greg. Calendar 8 June 1262

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

JULY 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 4 5	15♋30'33	11♐39	9♌32	25♌32	20♓57	26°R 9	28♈54	22♈45	3♌37	12°R45	17°R40	18♓49	15♌12	27♌45	S 1
S 2	19 8 1	16°27'46	26°13	9°54	26° 3	21°22	26♒ 5	28°57	22°46	3°39	12♐44	17♓32	18°45	15°19	27°52	S 2
M 3	19 11 58	17°25'00	11♑ 7	10°12	26°33	21°46	26° 1	29° 0	22°47	3°41	12°43	17°23	18°42	15°25	27°59	M 3
T 4	19 15 55	18°22'15	26°13	10°25	27° 2	22°10	25°56	29° 4	22°47	3°43	12°42	17°15	18°39	15°32	28° 6	T 4
W 5	19 19 51	19°19'29	11♒21	10°33	27°28	22°34	25°51	29° 7	22°48	3°45	12°40	17° 8	18°36	15°39	28°14	W 5
T 6	19 23 48	20°16'45	26°21	10°R36	27°53	22°57	25°46	29°10	22°49	3°47	12°39	17° 5	18°33	15°45	28°21	T 6
F 7	19 27 44	21°14'01	11♓ 6	10°34	28°17	23°20	25°41	29°13	22°50	3°50	12°38	17°D 3	18°30	15°52	28°28	F 7
S 8	19 31 41	22°11'19	25°31	10°27	28°39	23°42	25°36	29°16	22°51	3°52	12°37	17° 3	18°26	15°59	28°35	S 8
S 9	19 35 37	23° 8'37	9♈32	10°15	28°59	24° 4	25°31	29°19	22°51	3°54	12°36	17° 4	18°23	16° 5	28°43	S 9
M10	19 39 34	24° 5'56	23°11	9°58	29°17	24°25	25°25	29°22	22°52	3°56	12°35	17°R 4	18°20	16°12	28°50	M10
T 11	19 43 30	25° 3'17	6♉29	9°36	29°34	24°45	25°20	29°24	22°52	3°58	12°34	17° 4	18°17	16°19	28°58	T 11
W12	19 47 27	26° 0'39	19°28	9° 9	29°48	25° 5	25°14	29°27	22°53	4° 1	12°33	17° 1	18°14	16°25	29° 5	W12
T 13	19 51 24	26°58'02	2♊11	8°39	0♍ 0	25°24	25° 8	29°29	22°53	4° 3	12°32	16°57	18°10	16°32	29°13	T 13
F 14	19 55 20	27°55'26	14°41	8° 4	0°11	25°43	25° 2	29°32	22°54	4° 5	12°31	16°50	18° 7	16°39	29°20	F 14
S 15	19 59 17	28°52'51	26°59	7°25	0°19	26° 1	24°55	29°34	22°54	4° 7	12°30	16°42	18° 4	16°45	29°28	S 15
S 16	20 3 13	29°50'17	9♋ 8	6°43	0°25	26°19	24°49	29°36	22°54	4° 9	12°29	16°33	18° 1	16°52	29°36	S 16
M17	20 7 10	0♌47'44	21° 8	5°59	0°29	26°36	24°43	29°38	22°55	4°12	12°28	16°25	17°58	16°59	29°44	M17
T 18	20 11 6	1°45'13	3♌ 3	5°13	0°R31	26°52	24°36	29°40	22°55	4°14	12°27	16°17	17°55	17° 5	29°51	T 18
W19	20 15 3	2°42'42	14°53	4°26	0°30	27° 7	24°29	29°42	22°55	4°16	12°26	16°11	17°51	17°12	29°59	W19
T 20	20 19 0	3°40'12	26°41	3°39	0°27	27°22	24°23	29°44	22°55	4°18	12°25	16° 7	17°48	17°19	0♍ 7	T 20
F 21	20 22 56	4°37'43	8♍28	2°53	0°22	27°37	24°16	29°45	22°55	4°21	12°24	16° 5	17°45	17°25	0°15	F 21
S 22	20 26 53	5°35'15	20°19	2° 8	0°15	27°50	24° 9	29°47	22°R55	4°23	12°24	16°D 5	17°42	17°32	0°23	S 22
S 23	20 30 49	6°32'49	2♎15	1°26	0° 4	28° 3	24° 1	29°48	22°55	4°25	12°23	16° 6	17°39	17°39	0°31	S 23
M24	20 34 46	7°30'23	14°22	0°47	29♌52	28°15	23°54	29°50	22°55	4°27	12°22	16° 8	17°36	17°45	0°39	M24
T 25	20 38 42	8°27'58	26°45	0°13	29°37	28°26	23°47	29°51	22°55	4°29	12°21	16° 9	17°32	17°52	0°47	T 25
W26	20 42 39	9°25'34	9♏27	29♋43	29°20	28°37	23°40	29°52	22°55	4°32	12°21	16°R10	17°29	17°59	0°55	W26
T 27	20 46 35	10°23'11	22°32	29°19	29° 1	28°47	23°32	29°53	22°55	4°34	12°20	16° 9	17°26	18° 5	1° 3	T 27
F 28	20 50 32	11°20'49	6♐ 5	29° 1	28°39	28°56	23°25	29°54	22°54	4°36	12°20	16° 7	17°23	18°12	1°11	F 28
S 29	20 54 29	12°18'28	20° 6	28°49	28°15	29° 4	23°17	29°55	22°54	4°38	12°19	16° 3	17°20	18°19	1°19	S 29
S 30	20 58 25	13°16'09	4♑35	28°D45	27°49	29°12	23° 9	29°55	22°54	4°41	12°18	15°59	17°16	18°25	1°27	S 30
M31	21 2 22	14♌13'50	19♑27	28♋48	27♌21	29♓18	23♒ 2	29♈56	22♈53	4♌43	12♐18	15♓54	17♓13	18♌32	1♍36	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n38	27s16	5s 3	15n55	2s 6	12n 3	1s 4	7s27	4s12	13s56	1s 9	8n50	2s27	8n20	0s36	19n27	0n 1	14s23	8n 6	4s53	4s27	19n 4	7n36	5s 1
S 2	22 31	28 30	5 1	15 36	2 20	11 44	1 14	7 20	4 14	13 57	1 9	8 51	2 27	8 20	0 36	19 26	0 1	14 23	8 6	4 57	4 28	19 1	7 34	5 0
M 3	22 24	27 42	4 39	15 18	2 34	11 24	1 24	7 12	4 17	13 59	1 9	8 52	2 28	8 21	0 36	19 26	0 1	14 23	8 6	5 0	4 29	18 59	7 32	5 0
T 4	22 16	24 53	3 57	15 1	2 48	11 5	1 34	7 5	4 19	14 1	1 10	8 53	2 28	8 21	0 36	19 25	0 1	14 23	8 6	5 4	4 30	18 56	7 30	4 59
W 5	22 8	20 19	2 59	14 45	3 1	10 45	1 45	6 58	4 22	14 3	1 10	8 54	2 28	8 21	0 36	19 25	0 1	14 23	8 5	5 6	4 32	18 53	7 28	4 59
T 6	22 0	14 29	1 49	14 32	3 15	10 27	1 56	6 51	4 24	14 5	1 10	8 55	2 28	8 21	0 36	19 24	0 1	14 23	8 5	5 7	4 33	18 51	7 26	4 58
F 7	21 51	7 55	0 32	14 20	3 28	10 8	2 7	6 44	4 26	14 7	1 10	8 55	2 29	8 22	0 36	19 24	0 1	14 23	8 5	5 8	4 34	18 48	7 24	4 58
S 8	21 42	1 6	0n45	14 9	3 40	9 50	2 18	6 37	4 29	14 9	1 11	8 56	2 29	8 22	0 36	19 23	0 1	14 23	8 5	5 8	4 35	18 45	7 22	4 58
S 9	21 33	5n36	1 58	14 1	3 52	9 32	2 30	6 31	4 31	14 11	1 11	8 57	2 29	8 22	0 36	19 23	0 1	14 24	8 4	5 8	4 37	18 42	7 19	4 57
M10	21 23	11 51	3 2	13 55	4 4	9 15	2 42	6 25	4 33	14 13	1 11	8 58	2 29	8 22	0 36	19 22	0 1	14 24	8 4	5 8	4 38	18 40	7 17	4 57
T 11	21 13	17 25	3 54	13 50	4 14	8 58	2 53	6 19	4 36	14 15	1 11	8 58	2 30	8 23	0 36	19 21	0 1	14 24	8 4	5 8	4 39	18 37	7 15	4 56
W12	21 2	22 2	4 33	13 48	4 24	8 41	3 6	6 13	4 38	14 17	1 12	8 59	2 30	8 23	0 36	19 21	0 1	14 24	8 3	5 9	4 40	18 34	7 13	4 56
T 13	20 51	25 32	4 57	13 48	4 32	8 25	3 18	6 7	4 40	14 19	1 12	9 0	2 30	8 23	0 36	19 20	0 1	14 24	8 3	5 11	4 42	18 31	7 11	4 55
F 14	20 40	27 44	5 7	13 50	4 39	8 10	3 31	6 2	4 43	14 22	1 12	9 0	2 30	8 23	0 36	19 20	0 1	14 24	8 3	5 13	4 43	18 29	7 9	4 55
S 15	20 28	28 32	5 2	13 54	4 45	7 55	3 43	5 57	4 45	14 24	1 12	9 1	2 31	8 23	0 36	19 19	0 1	14 24	8 3	5 16	4 44	18 26	7 6	4 54
S 16	20 16	27 57	4 44	14 1	4 49	7 41	3 56	5 52	4 47	14 26	1 12	9 1	2 31	8 23	0 36	19 19	0 1	14 25	8 2	5 20	4 45	18 23	7 4	4 54
M17	20 4	26 2	4 13	14 9	4 51	7 27	4 9	5 47	4 50	14 29	1 13	9 2	2 31	8 23	0 36	19 18	0 1	14 25	8 2	5 23	4 47	18 20	7 2	4 54
T 18	19 51	22 59	3 32	14 19	4 52	7 15	4 22	5 43	4 52	14 31	1 13	9 2	2 31	8 23	0 36	19 18	0 1	14 25	8 2	5 26	4 48	18 18	6 59	4 53
W19	19 38	19 0	2 41	14 31	4 51	7 2	4 36	5 39	4 54	14 34	1 13	9 3	2 32	8 23	0 36	19 17	0 1	14 25	8 1	5 28	4 49	18 15	6 57	4 53
T 20	19 25	14 17	1 43	14 45	4 48	6 51	4 49	5 35	4 56	14 36	1 13	9 3	2 32	8 23	0 36	19 17	0 1	14 25	8 1	5 30	4 50	18 12	6 55	4 52
F 21	19 11	9 4	0 41	15 0	4 43	6 40	5 2	5 31	4 59	14 39	1 14	9 3	2 32	8 23	0 36	19 16	0 1	14 26	8 1	5 31	4 52	18 9	6 52	4 52
S 22	18 57	3 30	0s23	15 16	4 36	6 31	5 15	5 28	5 1	14 41	1 14	9 4	2 32	8 23	0 36	19 16	0 1	14 26	8 0	5 31	4 53	18 6	6 50	4 52
S 23	18 43	2s14	1 27	15 34	4 28	6 22	5 29	5 24	5 3	14 44	1 14	9 4	2 33	8 23	0 36	19 15	0 1	14 26	8 0	5 30	4 54	18 4	6 48	4 51
M24	18 28	7 58	2 28	15 52	4 18	6 14	5 42	5 21	5 5	14 46	1 14	9 4	2 33	8 23	0 36	19 15	0 1	14 26	8 0	5 30	4 55	18 1	6 45	4 51
T 25	18 13	13 31	3 24	16 10	4 7	6 7	5 55	5 19	5 7	14 49	1 14	9 4	2 33	8 23	0 36	19 14	0 1	14 27	7 59	5 29	4 57	17 58	6 43	4 51
W26	17 58	18 39	4 11	16 29	3 54	6 1	6 8	5 16	5 9	14 52	1 14	9 5	2 34	8 23	0 36	19 14	0 1	14 27	7 59	5 29	4 58	17 55	6 40	4 50
T 27	17 43	23 5	4 46	16 47	3 40	5 55	6 20	5 14	5 11	14 54	1 15	9 5	2 34	8 23	0 36	19 13	0 1	14 27	7 59	5 29	4 59	17 52	6 38	4 50
F 28	17 27	26 27	5 7	17 6	3 25	5 51	6 32	5 12	5 13	14 57	1 15	9 5	2 34	8 23	0 36	19 13	0 1	14 27	7 59	5 30	5 0	17 50	6 35	4 50
S 29	17 11	28 21	5 11	17 24	3 9	5 48	6 44	5 11	5 15	14 59	1 15	9 5	2 34	8 23	0 36	19 12	0 1	14 28	7 58	5 31	5 2	17 47	6 32	4 49
S 30	16 54	28 23	4 56	17 41	2 53	5 46	6 56	5 9	5 17	15 2	1 15	9 5	2 35	8 23	0 36	19 12	0 1	14 28	7 58	5 33	5 3	17 44	6 30	4 49
M31	16n38	26s25	4s21	17n57	2s36	5n45	7s 7	5s 8	5s18	15s 5	1s15	9n 5	2s35	8n22	0s36	19n11	0n 1	14s28	7n58	5s35	5s 4	17n41	6n27	4s49

Julian Day Number = 2182184.5, Delta T = 11m25s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'19, Lahiri = 13°34'20 Julian Calendar 1 July 1262 == Greg. Calendar 8 July 1262

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

AUGUST 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 6 18	15♌11'33	4♒35	28♋58	26°R52	29♓24	22°R54	29♈56	22°R53	4♌45	12°R17	15°R50	17♓10	18♌39	1♍44	T 1
W 2	21 10 15	16° 9'17	19°49	29°16	26♌20	29°30	22♒46	29°57	22♈52	4°47	12♐17	15♓47	17° 7	18°45	1°52	W 2
T 3	21 14 11	17° 7'02	5♓ 1	29°41	25°48	29°34	22°38	29°57	22°52	4°49	12°16	15°46	17° 4	18°52	2° 0	T 3
F 4	21 18 8	18° 4'49	19°59	0♌14	25°14	29°37	22°31	29°57	22°51	4°52	12°16	15°D45	17° 1	18°59	2° 9	F 4
S 5	21 22 4	19° 2'37	4♈38	0°55	24°38	29°40	22°23	29°R57	22°50	4°54	12°16	15°46	16°57	19° 5	2°17	S 5
S 6	21 26 1	20° 0'28	18°52	1°43	24° 2	29°42	22°15	29°57	22°50	4°56	12°15	15°48	16°54	19°12	2°25	S 6
M 7	21 29 58	20°58'20	2♉40	2°38	23°26	29°43	22° 7	29°57	22°49	4°58	12°15	15°49	16°51	19°19	2°33	M 7
T 8	21 33 54	21°56'14	16° 2	3°39	22°49	29°R43	21°59	29°57	22°48	5° 0	12°15	15°R50	16°48	19°25	2°42	T 8
W 9	21 37 51	22°54'10	29° 1	4°48	22°12	29°42	21°51	29°57	22°47	5° 2	12°14	15°50	16°45	19°32	2°50	W 9
T 10	21 41 47	23°52'07	11♊41	6° 3	21°34	29°41	21°43	29°56	22°46	5° 4	12°14	15°49	16°42	19°38	2°59	T 10
F 11	21 45 44	24°50'07	24° 3	7°23	20°58	29°38	21°35	29°56	22°45	5° 7	12°14	15°47	16°38	19°45	3° 7	F 11
S 12	21 49 40	25°48'09	6♋13	8°49	20°22	29°35	21°28	29°55	22°44	5° 9	12°14	15°44	16°35	19°52	3°15	S 12
S 13	21 53 37	26°46'12	18°13	10°20	19°46	29°31	21°20	29°54	22°43	5°11	12°14	15°41	16°32	19°58	3°24	S 13
M14	21 57 33	27°44'17	0♌ 6	11°55	19°12	29°26	21°12	29°53	22°42	5°13	12°14	15°38	16°29	20° 5	3°32	M14
T 15	22 1 30	28°42'25	11°56	13°34	18°38	29°20	21° 4	29°52	22°41	5°15	12°13	15°36	16°26	20°12	3°41	T 15
W16	22 5 27	29°40'33	23°44	15°17	18° 7	29°13	20°56	29°51	22°40	5°17	12°13	15°34	16°22	20°18	3°49	W16
T 17	22 9 23	0♍38'44	5♍33	17° 3	17°36	29° 5	20°49	29°50	22°39	5°19	12°D13	15°33	16°19	20°25	3°58	T 17
F 18	22 13 20	1°36'56	17°24	18°51	17° 8	28°57	20°41	29°49	22°38	5°21	12°13	15°D32	16°16	20°32	4° 6	F 18
S 19	22 17 16	2°35'10	29°21	20°41	16°41	28°48	20°33	29°47	22°36	5°23	12°13	15°33	16°13	20°38	4°14	S 19
S 20	22 21 13	3°33'26	11♎25	22°33	16°17	28°38	20°26	29°46	22°35	5°25	12°14	15°34	16°10	20°45	4°23	S 20
M21	22 25 9	4°31'43	23°39	24°26	15°54	28°27	20°18	29°44	22°34	5°27	12°14	15°35	16° 7	20°52	4°31	M21
T 22	22 29 6	5°30'02	6♏ 7	26°20	15°34	28°16	20°11	29°42	22°32	5°29	12°14	15°36	16° 3	20°58	4°40	T 22
W23	22 33 2	6°28'22	18°51	28°14	15°16	28° 4	20° 4	29°40	22°31	5°31	12°14	15°36	16° 0	21° 5	4°48	W23
T 24	22 36 59	7°26'45	1♐55	0♍ 9	15° 0	27°51	19°57	29°39	22°29	5°33	12°14	15°R37	15°57	21°12	4°57	T 24
F 25	22 40 55	8°25'09	15°22	2° 3	14°47	27°38	19°49	29°37	22°28	5°35	12°15	15°37	15°54	21°18	5° 5	F 25
S 26	22 44 52	9°23'34	29°13	3°58	14°36	27°24	19°42	29°34	22°26	5°37	12°15	15°37	15°51	21°25	5°14	S 26
S 27	22 48 49	10°22'01	13♑28	5°52	14°27	27°10	19°36	29°32	22°25	5°39	12°15	15°36	15°48	21°32	5°22	S 27
M28	22 52 45	11°20'30	28° 5	7°45	14°21	26°55	19°29	29°30	22°23	5°41	12°15	15°36	15°44	21°38	5°31	M28
T 29	22 56 42	12°19'00	12♒59	9°38	14°17	26°39	19°22	29°27	22°21	5°43	12°16	15°35	15°41	21°45	5°39	T 29
W30	23 0 38	13°17'32	28° 5	11°31	14°D16	26°23	19°15	29°25	22°19	5°45	12°16	15°35	15°38	21°52	5°48	W30
T 31	23 4 35	14♍16'06	13♓12	13♍22	14♌17	26♓ 7	19♒ 9	29♈22	22♈18	5♌46	12♐17	15°D35	15♓35	21♌58	5♍56	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n21	22s32	3s27	18n12	2s18	5n45	7s17	5s 8	5s20	15s 8	1s15	9n 5	2s35	8n22	0s36	19n11	0n 1	14s28	7n57	5s36	5s 5	17n38	6n25	4s48
W 2	16 4	17 6	2 17	18 25	2 1	5 46	7 27	5 7	5 22	15 10	1 16	9 5	2 35	8 22	0 36	19 10	0 1	14 29	7 57	5 38	5 7	17 36	6 22	4 48
T 3	15 46	10 37	0 59	18 37	1 43	5 48	7 36	5 7	5 23	15 13	1 16	9 4	2 36	8 22	0 36	19 10	0 1	14 29	7 57	5 38	5 8	17 33	6 19	4 48
F 4	15 28	3 37	0n23	18 47	1 26	5 51	7 45	5 7	5 25	15 16	1 16	9 4	2 36	8 22	0 36	19 9	0 1	14 29	7 56	5 38	5 9	17 30	6 17	4 47
S 5	15 11	3n24	1 42	18 55	1 9	5 55	7 53	5 7	5 26	15 18	1 16	9 4	2 36	8 21	0 36	19 9	0 1	14 29	7 56	5 38	5 10	17 27	6 14	4 47
S 6	14 52	10 4	2 52	19 1	0 52	6 0	8 0	5 8	5 28	15 21	1 16	9 4	2 36	8 21	0 36	19 8	0 1	14 30	7 55	5 37	5 11	17 24	6 11	4 47
M 7	14 34	16 3	3 50	19 4	0 36	6 6	8 6	5 8	5 29	15 24	1 16	9 3	2 37	8 21	0 36	19 8	0 1	14 30	7 55	5 37	5 13	17 21	6 9	4 47
T 8	14 15	21 4	4 34	19 5	0 21	6 13	8 12	5 9	5 30	15 26	1 16	9 3	2 37	8 20	0 36	19 7	0 1	14 30	7 55	5 37	5 14	17 18	6 6	4 46
W 9	13 56	24 55	5 2	19 3	0 6	6 20	8 16	5 11	5 31	15 29	1 16	9 3	2 37	8 20	0 36	19 6	0 1	14 31	7 54	5 37	5 15	17 16	6 3	4 46
T 10	13 37	27 28	5 14	18 59	0n 8	6 28	8 20	5 12	5 32	15 32	1 16	9 2	2 37	8 20	0 36	19 6	0 1	14 31	7 54	5 37	5 16	17 13	6 0	4 46
F 11	13 18	28 36	5 12	18 51	0 22	6 37	8 22	5 14	5 33	15 34	1 16	9 2	2 38	8 19	0 36	19 5	0 1	14 31	7 54	5 38	5 18	17 10	5 58	4 46
S 12	12 58	28 18	4 55	18 41	0 34	6 47	8 24	5 16	5 34	15 37	1 17	9 1	2 38	8 19	0 36	19 5	0 1	14 32	7 53	5 39	5 19	17 7	5 55	4 45
S 13	12 38	26 41	4 26	18 27	0 46	6 57	8 25	5 19	5 35	15 40	1 17	9 1	2 38	8 19	0 37	19 4	0 1	14 32	7 53	5 40	5 20	17 4	5 52	4 45
M14	12 18	23 53	3 45	18 11	0 56	7 7	8 25	5 21	5 36	15 42	1 17	9 0	2 38	8 18	0 37	19 4	0 1	14 32	7 53	5 41	5 21	17 1	5 49	4 45
T 15	11 58	20 5	2 55	17 52	1 6	7 18	8 24	5 24	5 36	15 45	1 17	9 0	2 39	8 18	0 37	19 3	0 1	14 33	7 52	5 42	5 23	16 58	5 46	4 45
W16	11 38	15 31	1 58	17 30	1 14	7 29	8 23	5 27	5 37	15 47	1 17	8 59	2 39	8 17	0 37	19 3	0 2	14 33	7 52	5 43	5 24	16 55	5 44	4 45
T 17	11 17	10 22	0 55	17 5	1 22	7 40	8 20	5 31	5 37	15 50	1 17	8 58	2 39	8 17	0 37	19 2	0 2	14 33	7 52	5 43	5 25	16 53	5 41	4 44
F 18	10 57	4 50	0s10	16 38	1 28	7 52	8 17	5 34	5 37	15 52	1 17	8 58	2 39	8 16	0 37	19 2	0 2	14 34	7 51	5 43	5 26	16 50	5 38	4 44
S 19	10 36	0s54	1 16	16 8	1 34	8 3	8 13	5 38	5 37	15 55	1 17	8 57	2 40	8 16	0 37	19 2	0 2	14 34	7 51	5 43	5 28	16 47	5 35	4 44
S 20	10 15	6 39	2 19	15 36	1 38	8 15	8 8	5 42	5 37	15 57	1 17	8 56	2 40	8 15	0 37	19 1	0 2	14 34	7 51	5 43	5 29	16 44	5 32	4 44
M21	9 53	12 15	3 16	15 2	1 42	8 27	8 3	5 46	5 37	16 0	1 17	8 56	2 40	8 15	0 37	19 1	0 2	14 35	7 50	5 42	5 30	16 41	5 29	4 44
T 22	9 32	17 28	4 5	14 26	1 45	8 38	7 57	5 50	5 36	16 2	1 17	8 55	2 40	8 14	0 37	19 0	0 2	14 35	7 50	5 42	5 31	16 38	5 26	4 44
W23	9 10	22 2	4 44	13 48	1 47	8 50	7 50	5 54	5 36	16 4	1 17	8 54	2 41	8 14	0 37	19 0	0 2	14 36	7 50	5 42	5 33	16 35	5 23	4 43
T 24	8 49	25 40	5 9	13 9	1 48	9 1	7 43	5 58	5 35	16 7	1 17	8 53	2 41	8 13	0 37	18 59	0 2	14 36	7 49	5 42	5 34	16 32	5 20	4 43
F 25	8 27	27 59	5 17	12 28	1 48	9 12	7 36	6 3	5 34	16 9	1 17	8 52	2 41	8 13	0 37	18 59	0 2	14 36	7 49	5 42	5 35	16 29	5 18	4 43
S 26	8 5	28 41	5 9	11 46	1 48	9 23	7 28	6 8	5 33	16 11	1 17	8 51	2 41	8 12	0 37	18 58	0 2	14 37	7 48	5 42	5 36	16 26	5 15	4 43
S 27	7 43	27 31	4 41	11 3	1 47	9 33	7 19	6 12	5 32	16 13	1 17	8 50	2 42	8 11	0 37	18 58	0 2	14 37	7 48	5 42	5 38	16 23	5 12	4 43
M28	7 20	24 27	3 54	10 20	1 46	9 43	7 10	6 17	5 31	16 15	1 17	8 49	2 42	8 11	0 37	18 57	0 2	14 37	7 48	5 42	5 39	16 20	5 9	4 43
T 29	6 58	19 43	2 51	9 35	1 44	9 53	7 1	6 22	5 29	16 18	1 17	8 48	2 42	8 10	0 37	18 57	0 2	14 38	7 47	5 42	5 40	16 18	5 6	4 43
W30	6 36	13 41	1 36	8 50	1 41	10 2	6 52	6 27	5 28	16 20	1 17	8 47	2 42	8 9	0 37	18 56	0 2	14 38	7 47	5 42	5 41	16 15	5 3	4 42
T 31	6n13	6s50	0s13	8n 4	1n38	10n11	6s42	6s32	5s26	16s22	1s17	8n46	2s42	8n 9	0s37	18n56	0n 2	14s39	7n47	5s42	5s42	16n12	5n 0	4s42

Julian Day Number = 2182215.5, Delta T = 11m24s
Ecliptic obliquity = 23°32'15, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'24, Lahiri = 13°34'24 Julian Calendar 1 Aug. 1262 == Greg. Calendar 8 Aug. 1262

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

SEPTEMBER 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 8 31	15♍14'42	28♓12	15♍13	14♌20	25°R50	19°R 3	29°R20	22°R16	5♌48	12♐17	15°R35	15♓32	22♌ 5	6♍ 5	F 1
S 2	23 12 28	16°13'20	12♈57	17° 2	14°26	25♓34	18♒56	29♈17	22♈14	5°50	12°18	15♓35	15°28	22°12	6°13	S 2
S 3	23 16 24	17°12'00	27°20	18°51	14°34	25°16	18°50	29°14	22°12	5°52	12°18	15°35	15°25	22°18	6°21	S 3
M 4	23 20 21	18°10'42	11♉17	20°39	14°44	24°59	18°44	29°11	22°10	5°54	12°19	15°34	15°22	22°25	6°30	M 4
T 5	23 24 18	19° 9'27	24°48	22°26	14°56	24°41	18°39	29° 8	22° 8	5°55	12°19	15°34	15°19	22°32	6°38	T 5
W 6	23 28 14	20° 8'14	7♊53	24°12	15°11	24°23	18°33	29° 5	22° 7	5°57	12°20	15°34	15°16	22°38	6°46	W 6
T 7	23 32 11	21° 7'03	20°34	25°57	15°27	24° 6	18°27	29° 2	22° 5	5°59	12°21	15°D34	15°13	22°45	6°55	T 7
F 8	23 36 7	22° 5'55	2♋56	27°41	15°45	23°48	18°22	28°58	22° 3	6° 0	12°21	15°34	15° 9	22°52	7° 3	F 8
S 9	23 40 4	23° 4'49	15° 3	29°24	16° 5	23°30	18°17	28°55	22° 0	6° 2	12°22	15°34	15° 6	22°58	7°11	S 9
S 10	23 44 0	24° 3'45	26°59	1♎ 6	16°28	23°12	18°12	28°52	21°58	6° 4	12°23	15°35	15° 3	23° 5	7°20	S 10
M11	23 47 57	25° 2'43	8♌49	2°48	16°51	22°54	18° 7	28°48	21°56	6° 5	12°24	15°36	15° 0	23°12	7°28	M11
T 12	23 51 53	26° 1'44	20°37	4°28	17°17	22°36	18° 2	28°44	21°54	6° 7	12°25	15°37	14°57	23°18	7°36	T 12
W13	23 55 50	27° 0'47	2♍26	6° 8	17°44	22°19	17°58	28°41	21°52	6° 8	12°25	15°38	14°53	23°25	7°45	W13
T 14	23 59 47	27°59'52	14°19	7°46	18°13	22° 2	17°53	28°37	21°50	6°10	12°26	15°R38	14°50	23°32	7°53	T 14
F 15	0 3 43	28°58'59	26°18	9°24	18°43	21°45	17°49	28°33	21°48	6°11	12°27	15°38	14°47	23°38	8° 1	F 15
S 16	0 7 40	29°58'08	8♏25	11° 1	19°15	21°29	17°45	28°29	21°45	6°13	12°28	15°37	14°44	23°45	8° 9	S 16
S 17	0 11 36	0♏57'19	20°43	12°37	19°49	21°13	17°41	28°25	21°43	6°14	12°29	15°35	14°41	23°51	8°17	S 17
M18	0 15 33	1°56'32	3♏12	14°13	20°23	20°57	17°38	28°21	21°41	6°16	12°30	15°33	14°38	23°58	8°25	M18
T 19	0 19 29	2°55'47	15°54	15°47	20°59	20°42	17°34	28°17	21°39	6°17	12°31	15°30	14°34	24° 5	8°33	T 19
W20	0 23 26	3°55'05	28°50	17°21	21°37	20°27	17°31	28°13	21°36	6°19	12°32	15°28	14°31	24°11	8°41	W20
T 21	0 27 22	4°54'24	12♐ 1	18°54	22°15	20°13	17°28	28° 9	21°34	6°20	12°33	15°26	14°28	24°18	8°49	T 21
F 22	0 31 19	5°53'44	25°28	20°27	22°55	20° 0	17°25	28° 5	21°32	6°21	12°34	15°24	14°25	24°25	8°57	F 22
S 23	0 35 16	6°53'07	9♑13	21°58	23°36	19°47	17°22	28° 0	21°29	6°23	12°36	15°D24	14°22	24°31	9° 5	S 23
S 24	0 39 12	7°52'32	23°14	23°29	24°18	19°35	17°20	27°56	21°27	6°24	12°37	15°25	14°19	24°38	9°13	S 24
M25	0 43 9	8°51'58	7♒32	24°59	25° 1	19°23	17°17	27°52	21°25	6°25	12°38	15°26	14°15	24°45	9°21	M25
T 26	0 47 5	9°51'26	22° 5	26°29	25°45	19°12	17°15	27°47	21°22	6°26	12°39	15°27	14°12	24°51	9°29	T 26
W27	0 51 2	10°50'55	6♓48	27°57	26°30	19° 2	17°13	27°43	21°20	6°28	12°40	15°29	14° 9	24°58	9°37	W27
T 28	0 54 58	11°50'27	21°36	29°25	27°16	18°53	17°12	27°38	21°17	6°29	12°42	15°R29	14° 6	25° 5	9°45	T 28
F 29	0 58 55	12°50'00	6♈22	0♏52	28° 3	18°44	17°10	27°33	21°15	6°30	12°43	15°27	14° 3	25°11	9°52	F 29
S 30	1 2 51	13♏49'35	20♈59	2♏19	28♌50	18♓36	17♒ 9	27♈29	21♈13	6♌31	12♐44	15♓25	13♓59	25♌18	10♍ 0	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n50	0n21	1n10	7n18	1n34	10n20	6s33	6s36	5s24	16s24	1s17	8n45	2s43	8n 8	0s37	18n56	0n 2	14s39	7n46	5s42	5s44	16n 9	4n57	4s42
S 2	5 27	7 23	2 26	6 32	1 30	10 28	6 23	6 41	5 22	16 25	1 17	8 44	2 43	8 7	0 37	18 55	0 2	14 40	7 46	5 42	5 45	16 6	4 54	4 42
S 3	5 5	13 51	3 32	5 45	1 26	10 35	6 13	6 46	5 19	16 27	1 17	8 42	2 43	8 7	0 37	18 55	0 2	14 40	7 46	5 42	5 46	16 3	4 51	4 42
M 4	4 42	19 26	4 23	4 58	1 21	10 42	6 2	6 51	5 17	16 29	1 17	8 41	2 43	8 6	0 37	18 54	0 2	14 40	7 45	5 43	5 47	16 0	4 48	4 42
T 5	4 19	23 51	4 57	4 11	1 16	10 48	5 52	6 56	5 14	16 31	1 17	8 40	2 43	8 5	0 37	18 54	0 2	14 41	7 45	5 43	5 49	15 57	4 45	4 42
W 6	3 55	26 53	5 15	3 24	1 11	10 54	5 42	7 0	5 12	16 33	1 17	8 39	2 44	8 4	0 37	18 53	0 2	14 41	7 45	5 43	5 50	15 54	4 42	4 42
T 7	3 32	28 28	5 16	2 37	1 6	10 59	5 31	7 5	5 9	16 34	1 17	8 37	2 44	8 4	0 37	18 53	0 2	14 42	7 44	5 43	5 51	15 51	4 39	4 42
F 8	3 9	28 33	5 3	1 50	1 0	11 4	5 21	7 9	5 6	16 36	1 17	8 36	2 44	8 3	0 37	18 53	0 2	14 42	7 44	5 43	5 52	15 48	4 36	4 42
S 9	2 45	27 16	4 37	1 4	0 54	11 8	5 11	7 13	5 3	16 37	1 17	8 35	2 44	8 2	0 37	18 52	0 2	14 42	7 44	5 43	5 54	15 45	4 33	4 42
S 10	2 22	24 45	3 58	0 17	0 48	11 11	5 0	7 17	4 59	16 39	1 16	8 33	2 44	8 1	0 37	18 52	0 2	14 43	7 43	5 42	5 55	15 42	4 30	4 42
M11	1 59	21 11	3 10	0s29	0 42	11 14	4 50	7 21	4 56	16 40	1 16	8 32	2 44	8 1	0 37	18 51	0 2	14 43	7 43	5 42	5 56	15 39	4 27	4 42
T 12	1 35	16 48	2 14	1 15	0 35	11 16	4 40	7 25	4 53	16 42	1 16	8 30	2 45	8 0	0 37	18 51	0 2	14 44	7 42	5 42	5 57	15 36	4 24	4 42
W13	1 12	11 47	1 13	2 0	0 29	11 18	4 29	7 29	4 49	16 43	1 16	8 29	2 45	7 59	0 37	18 51	0 2	14 44	7 42	5 41	5 58	15 33	4 21	4 42
T 14	0 48	6 19	0 7	2 46	0 22	11 19	4 19	7 32	4 45	16 44	1 16	8 27	2 45	7 58	0 37	18 50	0 2	14 45	7 42	5 41	6 0	15 30	4 18	4 42
F 15	0 24	0 35	0s59	3 31	0 15	11 19	4 9	7 35	4 41	16 46	1 16	8 26	2 45	7 57	0 37	18 50	0 2	14 45	7 41	5 41	6 1	15 27	4 15	4 42
S 16	0 1	5s14	2 3	4 15	0 8	11 19	3 59	7 38	4 37	16 47	1 16	8 24	2 45	7 56	0 37	18 50	0 2	14 46	7 41	5 42	6 2	15 24	4 12	4 42
S 17	0s23	10 56	3 2	4 59	0 1	11 18	3 49	7 41	4 33	16 48	1 16	8 23	2 45	7 56	0 37	18 49	0 2	14 46	7 41	5 42	6 3	15 21	4 9	4 42
M18	0 47	16 17	3 54	5 43	0s 6	11 17	3 39	7 43	4 29	16 49	1 16	8 21	2 45	7 55	0 37	18 49	0 2	14 47	7 40	5 43	6 5	15 18	4 5	4 42
T 19	1 10	21 2	4 35	6 26	0 13	11 15	3 29	7 45	4 25	16 50	1 16	8 20	2 46	7 54	0 37	18 49	0 2	14 47	7 40	5 44	6 6	15 15	4 2	4 42
W20	1 34	24 53	5 2	7 9	0 20	11 12	3 20	7 47	4 20	16 51	1 15	8 18	2 46	7 53	0 37	18 48	0 2	14 47	7 40	5 45	6 7	15 12	3 59	4 42
T 21	1 57	27 31	5 15	7 51	0 27	11 9	3 10	7 49	4 16	16 52	1 15	8 17	2 46	7 52	0 37	18 48	0 2	14 48	7 39	5 46	6 8	15 9	3 56	4 42
F 22	2 21	28 38	5 11	8 32	0 34	11 5	3 1	7 50	4 12	16 52	1 15	8 15	2 46	7 51	0 37	18 48	0 2	14 48	7 39	5 46	6 10	15 6	3 53	4 42
S 23	2 45	28 1	4 49	9 13	0 41	11 1	2 51	7 51	4 7	16 53	1 15	8 13	2 46	7 50	0 37	18 47	0 2	14 49	7 39	5 47	6 11	15 3	3 50	4 42
S 24	3 8	25 37	4 9	9 54	0 48	10 56	2 42	7 51	4 3	16 54	1 15	8 12	2 46	7 50	0 37	18 47	0 2	14 49	7 39	5 46	6 12	15 0	3 47	4 42
M25	3 32	21 35	3 14	10 34	0 55	10 50	2 33	7 52	3 58	16 54	1 15	8 10	2 46	7 49	0 37	18 47	0 2	14 50	7 38	5 46	6 13	14 57	3 44	4 42
T 26	3 55	16 11	2 5	11 13	1 2	10 44	2 24	7 52	3 53	16 55	1 15	8 8	2 46	7 48	0 37	18 46	0 2	14 50	7 38	5 45	6 14	14 54	3 41	4 42
W27	4 19	9 47	0 48	11 51	1 9	10 37	2 15	7 52	3 49	16 55	1 15	8 7	2 46	7 47	0 37	18 46	0 2	14 51	7 38	5 45	6 16	14 51	3 38	4 42
T 28	4 42	2 50	0n34	12 29	1 15	10 29	2 7	7 51	3 44	16 56	1 14	8 5	2 46	7 46	0 37	18 46	0 2	14 51	7 37	5 45	6 17	14 48	3 35	4 42
F 29	5 5	4n15	1 52	13 6	1 22	10 21	1 58	7 50	3 39	16 56	1 14	8 3	2 47	7 45	0 37	18 45	0 2	14 52	7 37	5 45	6 18	14 45	3 33	4 42
S 30	5s29	11n 2	3n 3	13s43	1s29	10n13	1s49	7s49	3s35	16s56	1s14	8n 2	2s47	7n44	0s37	18n45	0n 2	14s52	7n37	5s46	6s19	14n42	3n30	4s42

Julian Day Number = 2182246.5, Delta T = 11m24s
Ecliptic obliquity = 23°32'15, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'28, Lahiri = 13°34'28 Julian Calendar 1 Sept. 1262 == Greg. Calendar 8 Sept. 1262

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

OCTOBER 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 6 48	14♎49'13	5♉19	3♏44	29♌39	18°R29	17°R 8	27°R24	21°R10	6♌32	12♐46	15°R21	13♓56	25♌25	10♍ 8	S 1
M 2	1 10 45	15°48'53	19°19	5° 9	0♍29	18♓23	17♒ 7	27♈19	21♈ 8	6°33	12°47	15♓16	13°53	25°31	10°15	M 2
T 3	1 14 41	16°48'35	2♊54	6°33	1°19	18°17	17° 6	27°15	21° 5	6°34	12°49	15°11	13°50	25°38	10°23	T 3
W 4	1 18 38	17°48'19	16° 3	7°56	2°10	18°12	17° 6	27°10	21° 3	6°35	12°50	15° 7	13°47	25°45	10°30	W 4
T 5	1 22 34	18°48'06	28°49	9°19	3° 2	18° 8	17° 5	27° 5	21° 0	6°36	12°52	15° 4	13°44	25°51	10°38	T 5
F 6	1 26 31	19°47'54	11♋13	10°40	3°55	18° 5	17°D 5	27° 1	20°58	6°37	12°53	15° 2	13°40	25°58	10°45	F 6
S 7	1 30 27	20°47'46	23°21	12° 0	4°48	18° 3	17° 5	26°56	20°55	6°38	12°55	15°D 1	13°37	26° 5	10°52	S 7
S 8	1 34 24	21°47'39	5♌17	13°19	5°42	18° 1	17° 5	26°51	20°53	6°39	12°56	15° 2	13°34	26°11	11° 0	S 8
M 9	1 38 20	22°47'34	17° 6	14°37	6°37	18° 0	17° 6	26°46	20°51	6°39	12°58	15° 4	13°31	26°18	11° 7	M 9
T 10	1 42 17	23°47'32	28°54	15°54	7°32	18°D 0	17° 7	26°41	20°48	6°40	12°59	15° 6	13°28	26°25	11°14	T 10
W11	1 46 14	24°47'32	10♍45	17° 9	8°28	18° 1	17° 8	26°36	20°46	6°41	13° 1	15°R 7	13°25	26°31	11°21	W11
T 12	1 50 10	25°47'34	22°42	18°23	9°24	18° 3	17° 9	26°32	20°43	6°42	13° 3	15° 6	13°21	26°38	11°28	T 12
F 13	1 54 7	26°47'37	4♎50	19°35	10°21	18° 5	17°10	26°27	20°41	6°42	13° 4	15° 4	13°18	26°44	11°35	F 13
S 14	1 58 3	27°47'43	17°11	20°45	11°19	18° 8	17°11	26°22	20°38	6°43	13° 6	15° 0	13°15	26°51	11°42	S 14
S 15	2 2 0	28°47'51	29°46	21°53	12°17	18°12	17°13	26°17	20°36	6°44	13° 8	14°54	13°12	26°58	11°49	S 15
M16	2 5 56	29°48'01	12♏36	22°59	13°15	18°17	17°15	26°12	20°33	6°44	13° 9	14°47	13° 9	27° 4	11°56	M16
T 17	2 9 53	0♏48'13	25°40	24° 2	14°14	18°22	17°17	26° 7	20°31	6°45	13°11	14°38	13° 5	27°11	12° 2	T 17
W18	2 13 49	1°48'26	8♐57	25° 3	15°14	18°28	17°20	26° 2	20°29	6°45	13°13	14°30	13° 2	27°18	12° 9	W18
T 19	2 17 46	2°48'41	22°26	26° 0	16°14	18°35	17°22	25°58	20°26	6°46	13°15	14°23	12°59	27°24	12°16	T 19
F 20	2 21 43	3°48'58	6♑ 5	26°54	17°14	18°43	17°25	25°53	20°24	6°46	13°17	14°17	12°56	27°31	12°22	F 20
S 21	2 25 39	4°49'16	19°54	27°43	18°15	18°51	17°28	25°48	20°21	6°47	13°18	14°14	12°53	27°38	12°29	S 21
S 22	2 29 36	5°49'36	3♒52	28°28	19°16	19° 0	17°31	25°43	20°19	6°47	13°20	14°D13	12°50	27°44	12°35	S 22
M23	2 33 32	6°49'57	17°57	29° 8	20°18	19°10	17°34	25°39	20°17	6°48	13°22	14°13	12°46	27°51	12°42	M23
T 24	2 37 29	7°50'19	2♓10	29°43	21°20	19°20	17°38	25°34	20°14	6°48	13°24	14°14	12°43	27°58	12°48	T 24
W25	2 41 25	8°50'43	16°28	0♐11	22°22	19°32	17°41	25°29	20°12	6°48	13°26	14°R15	12°40	28° 4	12°54	W25
T 26	2 45 22	9°51'08	0♈49	0°33	23°25	19°43	17°45	25°25	20°10	6°48	13°28	14°14	12°37	28°11	13° 0	T 26
F 27	2 49 18	10°51'35	15° 9	0°46	24°28	19°56	17°49	25°20	20° 8	6°49	13°30	14°10	12°34	28°18	13° 6	F 27
S 28	2 53 15	11°52'03	29°24	0°R51	25°32	20° 9	17°53	25°16	20° 5	6°49	13°32	14° 4	12°30	28°24	13°12	S 28
S 29	2 57 12	12°52'33	13♉28	0°47	26°36	20°23	17°58	25°11	20° 3	6°49	13°34	13°55	12°27	28°31	13°18	S 29
M30	3 1 8	13°53'04	27°17	0°34	27°40	20°37	18° 2	25° 7	20° 1	6°49	13°36	13°45	12°24	28°38	13°24	M30
T 31	3 5 5	14♏53'37	10♊46	0♐10	28♍44	20♓52	18♒ 7	25♈ 2	19♈59	6♌49	13♐38	13♓34	12♓21	28♌44	13♍30	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s52	17n 7	4n 0	14s18	1s35	10n 4	1s41	7s47	3s30	16s56	1s14	8n 0	2s47	7n43	0s37	18n45	0n 2	14s53	7n36	5s48	6s21	14n39	3n27	4s42
M 2	6 15	22 8	4 41	14 53	1 41	9 54	1 33	7 46	3 25	16 57	1 14	7 58	2 47	7 42	0 37	18 45	0 2	14 53	7 36	5 50	6 22	14 36	3 24	4 43
T 3	6 38	25 49	5 5	15 27	1 48	9 44	1 25	7 43	3 21	16 57	1 14	7 56	2 47	7 41	0 37	18 44	0 2	14 53	7 36	5 52	6 23	14 33	3 21	4 43
W 4	7 1	27 59	5 12	16 0	1 54	9 33	1 17	7 41	3 16	16 57	1 14	7 55	2 47	7 40	0 37	18 44	0 2	14 54	7 35	5 53	6 24	14 30	3 18	4 43
T 5	7 24	28 36	5 4	16 32	1 59	9 21	1 9	7 38	3 11	16 57	1 13	7 53	2 47	7 40	0 37	18 44	0 2	14 54	7 35	5 55	6 26	14 27	3 15	4 43
F 6	7 46	27 43	4 41	17 4	2 5	9 9	1 2	7 35	3 7	16 57	1 13	7 51	2 47	7 39	0 37	18 44	0 2	14 55	7 35	5 55	6 27	14 23	3 12	4 43
S 7	8 9	25 32	4 6	17 34	2 10	8 57	0 54	7 32	3 2	16 56	1 13	7 50	2 47	7 38	0 37	18 44	0 2	14 55	7 35	5 55	6 28	14 20	3 9	4 43
S 8	8 32	22 15	3 20	18 3	2 16	8 44	0 47	7 29	2 58	16 56	1 13	7 48	2 47	7 37	0 37	18 43	0 2	14 56	7 34	5 55	6 29	14 17	3 6	4 43
M 9	8 54	18 6	2 27	18 32	2 21	8 31	0 40	7 25	2 53	16 56	1 13	7 46	2 47	7 36	0 37	18 43	0 2	14 56	7 34	5 54	6 30	14 14	3 3	4 43
T 10	9 16	13 16	1 27	18 59	2 25	8 17	0 33	7 21	2 49	16 55	1 13	7 44	2 47	7 35	0 37	18 43	0 2	14 57	7 34	5 54	6 32	14 11	3 1	4 44
W11	9 38	7 56	0 24	19 25	2 30	8 2	0 26	7 16	2 44	16 55	1 13	7 43	2 47	7 34	0 37	18 43	0 2	14 57	7 33	5 53	6 33	14 8	2 58	4 44
T 12	10 0	2 17	0s41	19 50	2 34	7 47	0 19	7 12	2 40	16 55	1 12	7 41	2 47	7 33	0 37	18 43	0 2	14 58	7 33	5 53	6 34	14 5	2 55	4 44
F 13	10 22	3s32	1 45	20 13	2 37	7 32	0 12	7 7	2 35	16 54	1 12	7 39	2 47	7 32	0 37	18 42	0 2	14 58	7 33	5 54	6 35	14 2	2 52	4 44
S 14	10 44	9 19	2 45	20 35	2 40	7 16	0 6	7 1	2 31	16 53	1 12	7 37	2 47	7 31	0 37	18 42	0 2	14 59	7 33	5 56	6 37	13 59	2 49	4 44
S 15	11 5	14 50	3 38	20 56	2 43	7 0	0n 1	6 56	2 27	16 53	1 12	7 36	2 47	7 30	0 37	18 42	0 2	14 59	7 32	5 58	6 38	13 56	2 47	4 44
M16	11 27	19 49	4 21	21 15	2 45	6 43	0 7	6 50	2 23	16 52	1 12	7 34	2 47	7 29	0 37	18 42	0 2	15 0	7 32	6 1	6 39	13 53	2 44	4 45
T 17	11 48	23 58	4 51	21 33	2 47	6 26	0 13	6 44	2 18	16 51	1 12	7 32	2 47	7 29	0 37	18 42	0 2	15 0	7 32	6 4	6 40	13 50	2 41	4 45
W18	12 9	26 55	5 6	21 49	2 48	6 8	0 19	6 38	2 14	16 50	1 11	7 31	2 47	7 28	0 37	18 42	0 2	15 1	7 32	6 8	6 41	13 46	2 38	4 45
T 19	12 30	28 23	5 4	22 4	2 49	5 50	0 25	6 32	2 10	16 49	1 11	7 29	2 47	7 27	0 37	18 42	0 2	15 1	7 31	6 10	6 43	13 43	2 36	4 45
F 20	12 50	28 9	4 46	22 17	2 49	5 31	0 30	6 25	2 6	16 48	1 11	7 27	2 47	7 26	0 37	18 42	0 2	15 1	7 31	6 12	6 44	13 40	2 33	4 45
S 21	13 11	26 11	4 10	22 27	2 48	5 13	0 36	6 18	2 2	16 47	1 11	7 26	2 46	7 25	0 37	18 41	0 2	15 2	7 31	6 14	6 45	13 37	2 30	4 46
S 22	13 31	22 36	3 20	22 36	2 46	4 54	0 41	6 11	1 58	16 46	1 11	7 24	2 46	7 24	0 37	18 41	0 2	15 2	7 31	6 14	6 46	13 34	2 28	4 46
M23	13 51	17 41	2 17	22 42	2 43	4 34	0 46	6 3	1 54	16 45	1 11	7 22	2 46	7 23	0 37	18 41	0 2	15 3	7 30	6 14	6 48	13 31	2 25	4 46
T 24	14 11	11 45	1 5	22 46	2 39	4 14	0 51	5 56	1 51	16 44	1 11	7 21	2 46	7 22	0 37	18 41	0 2	15 3	7 30	6 14	6 49	13 28	2 22	4 46
W25	14 30	5 11	0n12	22 47	2 34	3 54	0 56	5 48	1 47	16 43	1 10	7 19	2 46	7 22	0 37	18 41	0 2	15 4	7 30	6 13	6 50	13 25	2 20	4 47
T 26	14 50	1n40	1 28	22 46	2 28	3 33	1 1	5 40	1 43	16 41	1 10	7 17	2 46	7 21	0 37	18 41	0 2	15 4	7 30	6 14	6 51	13 22	2 17	4 47
F 27	15 9	8 25	2 38	22 42	2 21	3 12	1 6	5 32	1 40	16 40	1 10	7 16	2 46	7 20	0 37	18 41	0 2	15 5	7 29	6 15	6 52	13 18	2 15	4 47
S 28	15 27	14 41	3 37	22 34	2 12	2 51	1 10	5 23	1 36	16 38	1 10	7 14	2 46	7 19	0 37	18 41	0 2	15 5	7 29	6 18	6 54	13 15	2 12	4 47
S 29	15 46	20 7	4 23	22 23	2 2	2 30	1 14	5 15	1 33	16 37	1 10	7 13	2 46	7 18	0 37	18 41	0 2	15 6	7 29	6 21	6 55	13 12	2 10	4 48
M30	16 4	24 21	4 52	22 9	1 50	2 8	1 19	5 6	1 29	16 35	1 10	7 11	2 46	7 17	0 37	18 41	0 2	15 6	7 29	6 25	6 56	13 9	2 7	4 48
T 31	16s22	27n 9	5n 4	21s50	1s36	1n46	1n23	4s57	1s26	16s34	1s 9	7n10	2s45	7n17	0s37	18n41	0n 2	15s 6	7n28	6s29	6s57	13n 6	2n 5	4s48

Julian Day Number = 2182276.5, Delta T = 11m24s
Ecliptic obliquity = 23°32'15, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'32, Lahiri = 13°34'32 Julian Calendar 1 Oct. 1262 == Greg. Calendar 8 Oct. 1262

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

NOVEMBER 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 9 1	15♏54'12	23♊53	29°R36	29♍49	21♓ 7	18♒12	24°R58	19°R57	6♌49	13♐40	13°R24	12♓18	28♌51	13♍35	W 1
T 2	3 12 58	16°54'48	6♋39	28♏51	0♎54	21°23	18°17	24♈53	19♈55	6°R49	13°42	13♓15	12°15	28°57	13°41	T 2
F 3	3 16 54	17°55'26	19° 5	27°56	2° 0	21°39	18°23	24°49	19°52	6°49	13°44	13° 9	12°11	29° 4	13°46	F 3
S 4	3 20 51	18°56'06	1♌14	26°52	3° 5	21°56	18°28	24°45	19°50	6°49	13°46	13° 5	12° 8	29°11	13°52	S 4
S 5	3 24 47	19°56'47	13°11	25°40	4°11	22°14	18°34	24°41	19°48	6°49	13°48	13° 3	12° 5	29°17	13°57	S 5
M 6	3 28 44	20°57'30	25° 0	24°23	5°18	22°32	18°40	24°37	19°46	6°49	13°50	13°D 3	12° 2	29°24	14° 2	M 6
T 7	3 32 41	21°58'15	6♍48	23° 1	6°24	22°51	18°46	24°33	19°44	6°49	13°52	13°R 3	11°59	29°31	14° 7	T 7
W 8	3 36 37	22°59'01	18°39	21°39	7°31	23°10	18°52	24°29	19°42	6°49	13°55	13° 3	11°56	29°37	14°12	W 8
T 9	3 40 34	23°59'49	0♎40	20°19	8°38	23°29	18°58	24°25	19°40	6°48	13°57	13° 2	11°52	29°44	14°17	T 9
F 10	3 44 30	25° 0'38	12°54	19° 3	9°45	23°49	19° 5	24°21	19°39	6°48	13°59	12°58	11°49	29°51	14°22	F 10
S 11	3 48 27	26° 1'29	25°25	17°54	10°52	24°10	19°11	24°17	19°37	6°48	14° 1	12°51	11°46	29°57	14°27	S 11
S 12	3 52 23	27° 2'21	8♏15	16°54	12° 0	24°30	19°18	24°14	19°35	6°47	14° 3	12°42	11°43	0♍ 4	14°32	S 12
M13	3 56 20	28° 3'15	21°25	16° 5	13° 8	24°52	19°25	24°10	19°33	6°47	14° 5	12°30	11°40	0°11	14°36	M13
T 14	4 0 16	29° 4'10	4♐53	15°26	14°16	25°14	19°33	24° 6	19°31	6°47	14° 7	12°18	11°36	0°17	14°41	T 14
W15	4 4 13	0♐ 5'05	18°36	14°59	15°24	25°36	19°40	24° 3	19°30	6°46	14°10	12° 5	11°33	0°24	14°45	W15
T 16	4 8 10	1° 6'02	2♑32	14°44	16°33	25°58	19°47	24° 0	19°28	6°46	14°12	11°54	11°30	0°31	14°49	T 16
F 17	4 12 6	2° 7'00	16°35	14°D39	17°41	26°21	19°55	23°56	19°26	6°45	14°14	11°45	11°27	0°37	14°54	F 17
S 18	4 16 3	3° 7'59	0♒41	14°45	18°50	26°45	20° 3	23°53	19°25	6°45	14°16	11°39	11°24	0°44	14°58	S 18
S 19	4 19 59	4° 8'58	14°49	15° 1	19°59	27° 9	20°11	23°50	19°23	6°44	14°18	11°36	11°21	0°50	15° 2	S 19
M20	4 23 56	5° 9'58	28°55	15°25	21° 8	27°33	20°19	23°47	19°22	6°44	14°21	11°35	11°17	0°57	15° 6	M20
T 21	4 27 52	6°10'58	13♓ 0	15°57	22°18	27°57	20°27	23°44	19°20	6°43	14°23	11°35	11°14	1° 4	15° 9	T 21
W22	4 31 49	7°11'59	27° 1	16°37	23°27	28°22	20°36	23°41	19°19	6°42	14°25	11°34	11°11	1°10	15°13	W22
T 23	4 35 45	8°13'01	10♈59	17°23	24°37	28°47	20°44	23°39	19°17	6°42	14°27	11°32	11° 8	1°17	15°17	T 23
F 24	4 39 42	9°14'03	24°53	18°14	25°47	29°13	20°53	23°36	19°16	6°41	14°30	11°27	11° 5	1°24	15°20	F 24
S 25	4 43 39	10°15'06	8♉40	19°10	26°56	29°39	21° 2	23°33	19°15	6°40	14°32	11°19	11° 2	1°30	15°23	S 25
S 26	4 47 35	11°16'09	22°19	20°11	28° 7	0♈ 5	21°11	23°31	19°14	6°39	14°34	11° 8	10°58	1°37	15°27	S 26
M27	4 51 32	12°17'13	5♊46	21°15	29°17	0°31	21°20	23°29	19°12	6°39	14°36	10°55	10°55	1°44	15°30	M27
T 28	4 55 28	13°18'18	18°58	22°23	0♏27	0°58	21°29	23°26	19°11	6°38	14°39	10°41	10°52	1°50	15°33	T 28
W29	4 59 25	14°19'23	1♋54	23°33	1°38	1°25	21°38	23°24	19°10	6°37	14°41	10°28	10°49	1°57	15°36	W29
T 30	5 3 21	15♐20'30	14♋32	24♏47	2♏48	1♈52	21♒48	23♈22	19♈ 9	6♌36	14♐43	10♓16	10♓46	2♍ 4	15♍39	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s40	28n22	4n59	21s28	1s21	1n24	1n27	4s48	1s22	16s32	1s 9	7n 8	2s45	7n16	0s37	18n41	0n 2	15s 7	7n28	6s33	6s59	13n 3	2n 2	4s48
T 2	16 57	28 1	4 39	21 2	1 5	1 1	1 30	4 39	1 19	16 30	1 9	7 7	2 45	7 15	0 37	18 41	0 2	15 7	7 28	6 36	7 0	13 0	2 0	4 49
F 3	17 15	26 15	4 7	20 32	0 47	0 38	1 34	4 29	1 16	16 28	1 9	7 6	2 45	7 14	0 37	18 41	0 2	15 8	7 28	6 39	7 1	12 57	1 58	4 49
S 4	17 31	23 17	3 24	19 59	0 27	0 15	1 37	4 19	1 13	16 27	1 9	7 4	2 45	7 14	0 37	18 41	0 2	15 8	7 28	6 40	7 2	12 53	1 55	4 49
S 5	17 48	19 22	2 32	19 23	0 7	0s 8	1 41	4 10	1 10	16 25	1 9	7 3	2 45	7 13	0 37	18 41	0 3	15 9	7 27	6 41	7 3	12 50	1 53	4 50
M 6	18 4	14 44	1 35	18 44	0n13	0 31	1 44	4 0	1 7	16 23	1 9	7 1	2 44	7 12	0 37	18 41	0 3	15 9	7 27	6 41	7 5	12 47	1 51	4 50
T 7	18 20	9 34	0 33	18 4	0 34	0 55	1 47	3 50	1 4	16 21	1 8	7 0	2 44	7 11	0 37	18 41	0 3	15 10	7 27	6 41	7 6	12 44	1 49	4 50
W 8	18 36	4 3	0s30	17 23	0 54	1 19	1 50	3 39	1 1	16 19	1 8	6 59	2 44	7 11	0 36	18 41	0 3	15 10	7 27	6 41	7 7	12 41	1 46	4 50
T 9	18 51	1s40	1 32	16 44	1 13	1 43	1 53	3 29	0 58	16 17	1 8	6 58	2 44	7 10	0 36	18 41	0 3	15 10	7 27	6 42	7 8	12 38	1 44	4 51
F 10	19 6	7 26	2 31	16 6	1 31	2 7	1 55	3 18	0 55	16 14	1 8	6 56	2 44	7 9	0 36	18 41	0 3	15 11	7 27	6 43	7 9	12 34	1 42	4 51
S 11	19 20	13 2	3 25	15 32	1 46	2 31	1 58	3 8	0 52	16 12	1 8	6 55	2 44	7 9	0 36	18 42	0 3	15 11	7 26	6 46	7 11	12 31	1 40	4 51
S 12	19 35	18 14	4 9	15 2	2 0	2 55	2 0	2 57	0 50	16 10	1 8	6 54	2 43	7 8	0 36	18 42	0 3	15 12	7 26	6 49	7 12	12 28	1 38	4 52
M13	19 48	22 42	4 41	14 36	2 12	3 19	2 3	2 46	0 47	16 7	1 7	6 53	2 43	7 7	0 36	18 42	0 3	15 12	7 26	6 54	7 13	12 25	1 36	4 52
T 14	20 2	26 5	4 58	14 16	2 22	3 44	2 5	2 35	0 44	16 5	1 7	6 52	2 43	7 7	0 36	18 42	0 3	15 12	7 26	6 59	7 14	12 22	1 34	4 52
W15	20 15	28 0	4 59	14 1	2 29	4 8	2 7	2 24	0 42	16 3	1 7	6 51	2 43	7 6	0 36	18 42	0 3	15 13	7 26	7 3	7 16	12 19	1 32	4 53
T 16	20 28	28 12	4 42	13 51	2 35	4 33	2 9	2 12	0 39	16 0	1 7	6 50	2 43	7 5	0 36	18 42	0 3	15 13	7 26	7 8	7 17	12 15	1 30	4 53
F 17	20 40	26 36	4 8	13 46	2 39	4 58	2 10	2 1	0 37	15 57	1 7	6 49	2 42	7 5	0 36	18 42	0 3	15 14	7 25	7 11	7 18	12 12	1 28	4 53
S 18	20 52	23 18	3 18	13 46	2 40	5 22	2 12	1 49	0 34	15 55	1 7	6 48	2 42	7 4	0 36	18 42	0 3	15 14	7 25	7 13	7 19	12 9	1 26	4 54
S 19	21 4	18 38	2 16	13 50	2 41	5 47	2 13	1 38	0 32	15 52	1 7	6 47	2 42	7 4	0 36	18 43	0 3	15 14	7 25	7 15	7 20	12 6	1 24	4 54
M20	21 15	12 56	1 6	13 58	2 40	6 12	2 15	1 26	0 30	15 49	1 7	6 46	2 42	7 3	0 36	18 43	0 3	15 15	7 25	7 15	7 22	12 3	1 22	4 54
T 21	21 26	6 35	0n 8	14 10	2 38	6 37	2 16	1 14	0 27	15 47	1 6	6 45	2 41	7 3	0 36	18 43	0 3	15 15	7 25	7 15	7 23	12 0	1 21	4 55
W22	21 36	0n 3	1 21	14 24	2 35	7 1	2 17	1 2	0 25	15 44	1 6	6 44	2 41	7 2	0 36	18 43	0 3	15 16	7 25	7 15	7 24	11 56	1 19	4 55
T 23	21 46	6 39	2 29	14 40	2 31	7 26	2 18	0 50	0 23	15 41	1 6	6 43	2 41	7 2	0 36	18 43	0 3	15 16	7 25	7 16	7 25	11 53	1 17	4 55
F 24	21 56	12 53	3 27	14 59	2 26	7 51	2 19	0 38	0 21	15 38	1 6	6 43	2 41	7 1	0 36	18 43	0 3	15 16	7 25	7 18	7 26	11 50	1 16	4 56
S 25	22 5	18 27	4 13	15 20	2 21	8 15	2 20	0 26	0 18	15 35	1 6	6 42	2 40	7 1	0 36	18 44	0 3	15 17	7 24	7 21	7 28	11 47	1 14	4 56
S 26	22 13	23 0	4 44	15 41	2 15	8 40	2 20	0 13	0 16	15 32	1 6	6 41	2 40	7 0	0 36	18 44	0 3	15 17	7 24	7 25	7 29	11 44	1 12	4 56
M27	22 22	26 15	4 59	16 4	2 9	9 4	2 21	0 1	0 14	15 29	1 6	6 41	2 40	7 0	0 36	18 44	0 3	15 17	7 24	7 30	7 30	11 40	1 11	4 57
T 28	22 29	28 0	4 57	16 28	2 2	9 28	2 21	0n12	0 12	15 26	1 5	6 40	2 40	6 59	0 36	18 44	0 3	15 18	7 24	7 35	7 31	11 37	1 9	4 57
W29	22 37	28 11	4 40	16 53	1 55	9 53	2 21	0 24	0 10	15 23	1 5	6 40	2 39	6 59	0 36	18 44	0 3	15 18	7 24	7 40	7 32	11 34	1 8	4 58
T 30	22s44	26n52	4n 9	17s17	1n48	10s17	2n22	0n37	0s 8	15s20	1s 5	6n39	2s39	6n59	0s36	18n45	0n 3	15s18	7n24	7s45	7s34	11n31	1n 6	4s58

Julian Day Number = 2182307.5, Delta T = 11m24s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'36, Lahiri = 13°34'37 Julian Calendar 1 Nov. 1262 == Greg. Calendar 8 Nov. 1262

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ASTRODIENST EPHEMERIS for the year 1262
geocentric

DECEMBER 1262 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 7 18	16♐21'36	26♋54	26♏ 2	3♏59	2♈20	21♒57	23°R20	19°R 8	6°R35	14♐45	10°R 7	10♓42	2♍10	15♍41	F 1
S 2	5 11 15	17°22'44	9♌ 1	27°19	5°10	2°47	22° 7	23♈18	19♈ 7	6♌34	14°48	10♓ 1	10°39	2°17	15°44	S 2
S 3	5 15 11	18°23'52	20°57	28°38	6°21	3°15	22°17	23°17	19° 6	6°33	14°50	9°57	10°36	2°24	15°46	S 3
M 4	5 19 8	19°25'01	2♍46	29°58	7°32	3°44	22°27	23°15	19° 5	6°32	14°52	9°56	10°33	2°30	15°49	M 4
T 5	5 23 4	20°26'10	14°33	1♐20	8°43	4°12	22°37	23°13	19° 4	6°31	14°54	9°56	10°30	2°37	15°51	T 5
W 6	5 27 1	21°27'20	26°24	2°42	9°54	4°41	22°47	23°12	19° 4	6°30	14°57	9°56	10°27	2°43	15°53	W 6
T 7	5 30 57	22°28'31	8♎24	4° 6	11° 6	5°10	22°58	23°11	19° 3	6°29	14°59	9°55	10°23	2°50	15°55	T 7
F 8	5 34 54	23°29'42	20°39	5°31	12°17	5°39	23° 8	23° 9	19° 2	6°28	15° 1	9°52	10°20	2°57	15°57	F 8
S 9	5 38 50	24°30'54	3♏13	6°56	13°29	6° 9	23°19	23° 8	19° 2	6°27	15° 3	9°46	10°17	3° 3	15°59	S 9
S 10	5 42 47	25°32'06	16°10	8°23	14°41	6°38	23°29	23° 7	19° 1	6°25	15° 5	9°38	10°14	3°10	16° 0	S 10
M11	5 46 44	26°33'19	29°32	9°49	15°53	7° 8	23°40	23° 6	19° 0	6°24	15° 8	9°27	10°11	3°17	16° 2	M11
T 12	5 50 40	27°34'32	13♑17	11°17	17° 4	7°38	23°51	23° 6	19° 0	6°23	15°10	9°15	10° 8	3°23	16° 3	T 12
W13	5 54 37	28°35'45	27°23	12°45	18°16	8° 9	24° 2	23° 5	18°59	6°22	15°12	9° 3	10° 4	3°30	16° 5	W13
T 14	5 58 33	29°36'58	11♑45	14°14	19°28	8°39	24°13	23° 5	18°59	6°21	15°14	8°52	10° 1	3°37	16° 6	T 14
F 15	6 2 30	0♑38'12	26°16	15°43	20°41	9°10	24°25	23° 4	18°59	6°19	15°16	8°44	9°58	3°43	16° 7	F 15
S 16	6 6 26	1°39'25	10♒49	17°12	21°53	9°41	24°36	23° 4	18°58	6°18	15°19	8°38	9°55	3°50	16° 8	S 16
S 17	6 10 23	2°40'38	25°19	18°42	23° 5	10°12	24°47	23° 4	18°58	6°17	15°21	8°35	9°52	3°57	16° 9	S 17
M18	6 14 19	3°41'50	9♓41	20°13	24°17	10°43	24°59	23°D 4	18°58	6°15	15°23	8°D35	9°49	4° 3	16° 9	M18
T 19	6 18 16	4°43'02	23°53	21°44	25°30	11°15	25°11	23° 4	18°58	6°14	15°25	8°35	9°45	4°10	16°10	T 19
W20	6 22 13	5°44'13	7♈53	23°15	26°42	11°46	25°22	23° 4	18°58	6°13	15°27	8°R35	9°42	4°17	16°10	W20
T 21	6 26 9	6°45'24	21°41	24°47	27°55	12°18	25°34	23° 4	18°D58	6°11	15°29	8°34	9°39	4°23	16°11	T 21
F 22	6 30 6	7°46'35	5♉17	26°19	29° 7	12°50	25°46	23° 4	18°58	6°10	15°31	8°31	9°36	4°30	16°11	F 22
S 23	6 34 2	8°47'44	18°42	27°52	0♐20	13°22	25°58	23° 5	18°58	6° 8	15°34	8°25	9°33	4°36	16°R11	S 23
S 24	6 37 59	9°48'54	1♊56	29°25	1°33	13°54	26°10	23° 5	18°58	6° 7	15°36	8°17	9°29	4°43	16°11	S 24
M25	6 41 55	10°50'03	14°58	0♏59	2°45	14°26	26°22	23° 6	18°58	6° 5	15°38	8° 7	9°26	4°50	16°11	M25
T 26	6 45 52	11°51'11	27°48	2°33	3°58	14°59	26°34	23° 7	18°59	6° 4	15°40	7°56	9°23	4°56	16°11	T 26
W27	6 49 48	12°52'19	10♋26	4° 7	5°11	15°32	26°47	23° 8	18°59	6° 2	15°42	7°45	9°20	5° 3	16°10	W27
T 28	6 53 45	13°53'27	22°50	5°42	6°24	16° 4	26°59	23° 9	18°59	6° 1	15°44	7°36	9°17	5°10	16°10	T 28
F 29	6 57 42	14°54'33	5♌ 3	7°17	7°37	16°37	27°12	23°10	19° 0	5°59	15°46	7°29	9°14	5°16	16° 9	F 29
S 30	7 1 38	15°55'40	17° 4	8°53	8°50	17°10	27°24	23°11	19° 0	5°58	15°48	7°24	9°10	5°23	16° 9	S 30
S 31	7 5 35	16♑56'46	28♌57	10♑30	10♐ 3	17♈43	27♒37	23♈13	19♈ 1	5♌56	15♐50	7♓22	9♓ 7	5♍30	16♍ 8	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s50	24n14	3n27	17s42	1n41	10s41	2n22	0n50	0s 7	15s16	1s 5	6n39	2s39	6n58	0s36	18n45	0n 3	15s19	7n24	7s48	7s35	11n28	1n 5	4s58	F 1
S 2	22 56	20 35	2 36	18 8	1 33	11 4	2 22	1 2	0 5	15 13	1 5	6 38	2 39	6 58	0 36	18 45	0 3	15 19	7 24	7 51	7 36	11 24	1 4	4 59	S 2
S 3	23 2	16 8	1 39	18 33	1 26	11 28	2 21	1 15	0 3	15 10	1 5	6 38	2 38	6 57	0 36	18 45	0 3	15 19	7 24	7 52	7 37	11 21	1 2	4 59	S 3
M 4	23 7	11 7	0 38	18 57	1 18	11 51	2 21	1 28	0 1	15 6	1 5	6 37	2 38	6 57	0 36	18 46	0 3	15 20	7 24	7 53	7 39	11 18	1 1	4 59	M 4
T 5	23 11	5 44	0s25	19 22	1 10	12 15	2 21	1 41	0n 1	15 3	1 5	6 37	2 38	6 57	0 36	18 46	0 3	15 20	7 23	7 53	7 40	11 15	1 0	5 0	T 5
W 6	23 16	0 7	1 26	19 46	1 2	12 38	2 20	1 54	0 2	14 59	1 5	6 37	2 37	6 57	0 36	18 46	0 3	15 20	7 23	7 53	7 41	11 11	0 59	5 0	W 6
T 7	23 19	5s34	2 25	20 10	0 54	13 0	2 20	2 7	0 4	14 56	1 4	6 37	2 37	6 56	0 36	18 47	0 3	15 21	7 23	7 53	7 42	11 8	0 58	5 1	T 7
F 8	23 23	11 9	3 18	20 33	0 47	13 23	2 19	2 20	0 6	14 52	1 4	6 36	2 37	6 56	0 36	18 47	0 3	15 21	7 23	7 54	7 43	11 5	0 57	5 1	F 8
S 9	23 25	16 27	4 3	20 55	0 39	13 45	2 18	2 34	0 7	14 49	1 4	6 36	2 37	6 56	0 36	18 47	0 3	15 21	7 23	7 56	7 45	11 2	0 56	5 1	S 9
S 10	23 28	21 10	4 37	21 17	0 31	14 7	2 17	2 47	0 9	14 45	1 4	6 36	2 36	6 56	0 36	18 47	0 3	15 21	7 23	7 59	7 46	10 59	0 55	5 2	S 10
M11	23 30	24 58	4 57	21 38	0 24	14 29	2 16	3 0	0 10	14 42	1 4	6 36	2 36	6 56	0 35	18 48	0 3	15 22	7 23	8 3	7 47	10 55	0 54	5 2	M11
T 12	23 31	27 28	5 1	21 58	0 16	14 50	2 15	3 14	0 12	14 38	1 4	6 36	2 36	6 55	0 35	18 48	0 3	15 22	7 23	8 8	7 48	10 52	0 53	5 2	T 12
W13	23 32	28 17	4 47	22 17	0 8	15 12	2 14	3 27	0 13	14 34	1 4	6 36	2 35	6 55	0 35	18 48	0 3	15 22	7 23	8 12	7 49	10 49	0 52	5 3	W13
T 14	23 32	27 14	4 14	22 35	0 1	15 32	2 13	3 40	0 15	14 30	1 4	6 36	2 35	6 55	0 35	18 49	0 3	15 23	7 23	8 17	7 51	10 46	0 51	5 3	T 14
F 15	23 32	24 20	3 25	22 52	0s 6	15 53	2 12	3 54	0 16	14 26	1 4	6 36	2 35	6 55	0 35	18 49	0 3	15 23	7 23	8 20	7 52	10 42	0 50	5 3	F 15
S 16	23 32	19 52	2 22	23 8	0 13	16 13	2 10	4 7	0 18	14 22	1 4	6 37	2 35	6 55	0 35	18 49	0 3	15 23	7 23	8 22	7 53	10 39	0 50	5 4	S 16
S 17	23 31	14 14	1 10	23 24	0 20	16 33	2 9	4 21	0 19	14 19	1 3	6 37	2 34	6 55	0 35	18 50	0 3	15 23	7 23	8 23	7 54	10 36	0 49	5 4	S 17
M18	23 29	7 53	0n 6	23 38	0 27	16 52	2 7	4 34	0 20	14 15	1 3	6 37	2 34	6 55	0 35	18 50	0 3	15 24	7 23	8 23	7 55	10 33	0 48	5 5	M18
T 19	23 27	1 12	1 21	23 50	0 34	17 11	2 5	4 48	0 22	14 11	1 3	6 37	2 34	6 55	0 35	18 50	0 3	15 24	7 23	8 23	7 57	10 29	0 48	5 5	T 19
W20	23 25	5n26	2 30	24 2	0 40	17 30	2 4	5 2	0 23	14 6	1 3	6 38	2 33	6 55	0 35	18 51	0 3	15 24	7 23	8 23	7 58	10 26	0 47	5 5	W20
T 21	23 22	11 42	3 29	24 13	0 47	17 48	2 2	5 15	0 24	14 2	1 3	6 38	2 33	6 55	0 35	18 51	0 3	15 24	7 23	8 23	7 59	10 23	0 47	5 6	T 21
F 22	23 18	17 21	4 15	24 22	0 53	18 6	2 0	5 29	0 26	13 58	1 3	6 38	2 33	6 55	0 35	18 52	0 3	15 25	7 23	8 25	8 0	10 20	0 46	5 6	F 22
S 23	23 15	22 3	4 47	24 30	0 59	18 23	1 58	5 42	0 27	13 54	1 3	6 39	2 32	6 55	0 35	18 52	0 3	15 25	7 23	8 27	8 1	10 16	0 46	5 6	S 23
S 24	23 10	25 34	5 3	24 37	1 5	18 40	1 56	5 56	0 28	13 50	1 3	6 39	2 32	6 55	0 35	18 52	0 3	15 25	7 23	8 30	8 3	10 13	0 46	5 7	S 24
M25	23 6	27 42	5 2	24 42	1 10	18 56	1 54	6 10	0 29	13 46	1 3	6 40	2 32	6 55	0 35	18 53	0 3	15 25	7 23	8 34	8 4	10 10	0 45	5 7	M25
T 26	23 0	28 18	4 47	24 46	1 16	19 12	1 52	6 24	0 30	13 41	1 3	6 40	2 32	6 55	0 35	18 53	0 3	15 25	7 23	8 38	8 5	10 7	0 45	5 7	T 26
W27	22 55	27 24	4 17	24 49	1 21	19 27	1 50	6 37	0 31	13 37	1 3	6 41	2 31	6 56	0 35	18 53	0 3	15 26	7 23	8 42	8 6	10 3	0 45	5 8	W27
T 28	22 49	25 8	3 36	24 51	1 26	19 42	1 47	6 51	0 33	13 33	1 3	6 42	2 31	6 56	0 35	18 54	0 3	15 26	7 23	8 45	8 7	10 0	0 45	5 8	T 28
F 29	22 42	21 45	2 45	24 50	1 30	19 57	1 45	7 5	0 34	13 28	1 3	6 42	2 31	6 56	0 35	18 54	0 3	15 26	7 23	8 48	8 9	9 57	0 45	5 8	F 29
S 30	22 35	17 29	1 47	24 49	1 35	20 10	1 43	7 18	0 35	13 24	1 2	6 43	2 30	6 56	0 35	18 55	0 3	15 26	7 23	8 50	8 10	9 54	0 45	5 9	S 30
S 31	22s27	12n35	0n45	24s46	1s39	20s24	1n40	7n32	0n36	13s20	1s 2	6n44	2s30	6n56	0s35	18n55	0n 3	15s26	7n23	8s51	8s11	9n50	0n45	5s 9	S 31

Julian Day Number = 2182337.5, Delta T = 11m24s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'40, Lahiri = 13°34'41 Julian Calendar 1 Dec. 1262 == Greg. Calendar 8 Dec. 1262

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

JANUARY 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 9 31	17♑57'51	10♍45	12♑ 7	11♐16	18♈16	27♒50	23♈14	19♈ 1	5°R55	15♐52	7°D21	9♓ 4	5♍36	16°R 7	M 1
T 2	7 13 28	18°58'56	22°32	13°44	12°29	18°50	28° 2	23°16	19° 2	5♌53	15°54	7♓22	9° 1	5°43	16♍ 6	T 2
W 3	7 17 24	20° 0'01	4♎22	15°23	13°42	19°23	28°15	23°18	19° 2	5°51	15°56	7°24	8°58	5°50	16° 5	W 3
T 4	7 21 21	21° 1'05	16°20	17° 1	14°55	19°57	28°28	23°19	19° 3	5°50	15°58	7°R25	8°54	5°56	16° 3	T 4
F 5	7 25 17	22° 2'08	28°33	18°41	16° 9	20°30	28°41	23°21	19° 4	5°48	16° 0	7°25	8°51	6° 3	16° 2	F 5
S 6	7 29 14	23° 3'11	11♏ 4	20°20	17°22	21° 4	28°54	23°23	19° 5	5°46	16° 2	7°23	8°48	6°10	16° 0	S 6
S 7	7 33 11	24° 4'14	23°59	22° 1	18°35	21°38	29° 7	23°25	19° 6	5°45	16° 3	7°19	8°45	6°16	15°59	S 7
M 8	7 37 7	25° 5'16	7♐20	23°42	19°49	22°12	29°20	23°28	19° 7	5°43	16° 5	7°14	8°42	6°23	15°57	M 8
T 9	7 41 4	26° 6'17	21° 9	25°24	21° 2	22°46	29°34	23°30	19° 7	5°42	16° 7	7° 7	8°39	6°29	15°55	T 9
W10	7 45 0	27° 7'18	5♑24	27° 7	22°16	23°20	29°47	23°33	19° 9	5°40	16° 9	7° 0	8°35	6°36	15°53	W10
T 11	7 48 57	28° 8'18	20° 1	28°50	23°29	23°55	0♓ 0	23°35	19°10	5°38	16°11	6°54	8°32	6°43	15°51	T 11
F 12	7 52 53	29° 9'17	4♒52	0♒33	24°43	24°29	0°14	23°38	19°11	5°37	16°13	6°49	8°29	6°49	15°49	F 12
S 13	7 56 50	0♒10'14	19°50	2°18	25°56	25° 3	0°27	23°41	19°12	5°35	16°14	6°46	8°26	6°56	15°47	S 13
S 14	8 0 47	1°11'11	4♓46	4° 3	27°10	25°38	0°41	23°43	19°13	5°33	16°16	6°D45	8°23	7° 3	15°44	S 14
M15	8 4 43	2°12'06	19°32	5°48	28°23	26°12	0°54	23°46	19°14	5°31	16°18	6°46	8°20	7° 9	15°42	M15
T 16	8 8 40	3°12'59	4♈ 3	7°35	29°37	26°47	1° 8	23°50	19°16	5°30	16°19	6°47	8°16	7°16	15°39	T 16
W17	8 12 36	4°13'51	18°16	9°21	0♑50	27°22	1°22	23°53	19°17	5°28	16°21	6°48	8°13	7°23	15°37	W17
T 18	8 16 33	5°14'42	2♉ 8	11° 9	2° 4	27°57	1°35	23°56	19°18	5°26	16°23	6°R49	8°10	7°29	15°34	T 18
F 19	8 20 29	6°15'31	15°41	12°56	3°18	28°32	1°49	23°59	19°20	5°25	16°24	6°49	8° 7	7°36	15°31	F 19
S 20	8 24 26	7°16'19	28°56	14°44	4°31	29° 7	2° 3	24° 3	19°21	5°23	16°26	6°47	8° 4	7°43	15°28	S 20
S 21	8 28 22	8°17'05	11♊54	16°33	5°45	29°42	2°17	24° 6	19°23	5°21	16°27	6°44	8° 0	7°49	15°25	S 21
M22	8 32 19	9°17'49	24°38	18°21	6°59	0♉17	2°31	24°10	19°25	5°20	16°29	6°40	7°57	7°56	15°22	M22
T 23	8 36 16	10°18'32	7♋ 8	20° 9	8°12	0°52	2°45	24°14	19°26	5°18	16°31	6°35	7°54	8° 3	15°19	T 23
W24	8 40 12	11°19'14	19°28	21°57	9°26	1°27	2°59	24°18	19°28	5°16	16°32	6°31	7°51	8° 9	15°15	W24
T 25	8 44 9	12°19'54	1♌37	23°45	10°40	2° 3	3°13	24°22	19°30	5°15	16°33	6°27	7°48	8°16	15°12	T 25
F 26	8 48 5	13°20'32	13°38	25°32	11°53	2°38	3°27	24°26	19°31	5°13	16°35	6°24	7°45	8°22	15° 9	F 26
S 27	8 52 2	14°21'09	25°32	27°18	13° 7	3°13	3°41	24°30	19°33	5°11	16°36	6°22	7°41	8°29	15° 5	S 27
S 28	8 55 58	15°21'44	7♍22	29° 3	14°21	3°49	3°55	24°34	19°35	5°10	16°38	6°D22	7°38	8°36	15° 1	S 28
M29	8 59 55	16°22'18	19° 9	0♓46	15°35	4°24	4° 9	24°38	19°37	5° 8	16°39	6°22	7°35	8°42	14°58	M29
T 30	9 3 51	17°22'51	0♎57	2°27	16°49	5° 0	4°23	24°43	19°39	5° 6	16°40	6°24	7°32	8°49	14°54	T 30
W31	9 7 48	18♒23'22	12♎49	4♓ 5	18♑ 2	5♉35	4♓37	24♈47	19♈41	5♌ 5	16♐42	6♓25	7♓29	8♍56	14♍50	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s20	7n17	0s18	24s41	1s43	20s37	1n38	7n46	0n37	13s15	1s 2	6n45	2s30	6n57	0s35	18n55	0n 3	15s26	7n23	8s51	8s12	9n47	0n45	5s 9
T 2	22 11	1 44	1 21	24 35	1 46	20 49	1 35	7 59	0 38	13 11	1 2	6 46	2 29	6 57	0 35	18 56	0 3	15 27	7 23	8 50	8 13	9 44	0 45	5 10
W 3	22 2	3s54	2 21	24 28	1 50	21 0	1 32	8 13	0 39	13 6	1 2	6 47	2 29	6 57	0 35	18 56	0 3	15 27	7 23	8 50	8 15	9 40	0 45	5 10
T 4	21 53	9 27	3 15	24 19	1 53	21 12	1 30	8 27	0 40	13 2	1 2	6 48	2 29	6 57	0 35	18 57	0 3	15 27	7 23	8 49	8 16	9 37	0 45	5 10
F 5	21 44	14 46	4 2	24 8	1 55	21 22	1 27	8 40	0 41	12 57	1 2	6 49	2 29	6 58	0 35	18 57	0 3	15 27	7 23	8 49	8 17	9 34	0 46	5 11
S 6	21 34	19 36	4 38	23 56	1 58	21 32	1 24	8 54	0 42	12 52	1 2	6 50	2 28	6 58	0 35	18 58	0 3	15 27	7 23	8 50	8 18	9 31	0 46	5 11
S 7	21 23	23 43	5 2	23 42	2 0	21 41	1 22	9 7	0 43	12 48	1 2	6 51	2 28	6 58	0 34	18 58	0 3	15 27	7 23	8 52	8 19	9 27	0 46	5 11
M 8	21 12	26 43	5 10	23 26	2 1	21 50	1 19	9 21	0 43	12 43	1 2	6 52	2 28	6 59	0 34	18 58	0 3	15 28	7 23	8 54	8 21	9 24	0 47	5 11
T 9	21 1	28 14	5 1	23 9	2 3	21 58	1 16	9 35	0 44	12 38	1 2	6 53	2 27	6 59	0 34	18 59	0 3	15 28	7 23	8 56	8 22	9 21	0 47	5 12
W10	20 49	27 58	4 33	22 50	2 4	22 5	1 13	9 48	0 45	12 34	1 2	6 54	2 27	7 0	0 34	18 59	0 3	15 28	7 23	8 59	8 23	9 17	0 48	5 12
T 11	20 37	25 47	3 47	22 30	2 4	22 12	1 10	10 2	0 46	12 29	1 2	6 55	2 27	7 0	0 34	19 0	0 3	15 28	7 23	9 1	8 24	9 14	0 48	5 12
F 12	20 25	21 48	2 45	22 8	2 4	22 18	1 7	10 15	0 47	12 24	1 2	6 57	2 26	7 1	0 34	19 0	0 3	15 28	7 23	9 3	8 25	9 11	0 49	5 12
S 13	20 12	16 22	1 31	21 44	2 4	22 24	1 5	10 28	0 48	12 19	1 2	6 58	2 26	7 1	0 34	19 0	0 3	15 28	7 24	9 4	8 26	9 8	0 50	5 13
S 14	19 59	9 58	0 11	21 18	2 3	22 29	1 2	10 42	0 48	12 14	1 2	6 59	2 26	7 2	0 34	19 1	0 3	15 28	7 24	9 4	8 28	9 4	0 50	5 13
M15	19 45	3 6	1n 9	20 51	2 1	22 33	0 59	10 55	0 49	12 9	1 2	7 1	2 26	7 2	0 34	19 1	0 3	15 28	7 24	9 4	8 29	9 1	0 51	5 13
T 16	19 31	3n49	2 24	20 22	1 59	22 37	0 56	11 9	0 50	12 5	1 2	7 2	2 25	7 3	0 34	19 2	0 3	15 28	7 24	9 3	8 30	8 58	0 52	5 13
W17	19 17	10 23	3 28	19 52	1 57	22 39	0 53	11 22	0 51	12 0	1 2	7 3	2 25	7 3	0 34	19 2	0 3	15 28	7 24	9 3	8 31	8 54	0 53	5 14
T 18	19 2	16 18	4 18	19 20	1 54	22 42	0 50	11 35	0 51	11 55	1 2	7 5	2 25	7 4	0 34	19 3	0 3	15 29	7 24	9 3	8 32	8 51	0 54	5 14
F 19	18 47	21 16	4 52	18 46	1 50	22 43	0 47	11 48	0 52	11 50	1 2	7 6	2 24	7 4	0 34	19 3	0 3	15 29	7 24	9 3	8 34	8 48	0 54	5 14
S 20	18 32	25 3	5 10	18 10	1 46	22 44	0 44	12 2	0 53	11 45	1 2	7 8	2 24	7 5	0 34	19 3	0 3	15 29	7 24	9 3	8 35	8 45	0 55	5 14
S 21	18 16	27 28	5 12	17 33	1 42	22 44	0 41	12 15	0 54	11 40	1 2	7 9	2 24	7 6	0 34	19 4	0 3	15 29	7 24	9 5	8 36	8 41	0 56	5 14
M22	18 0	28 24	4 58	16 55	1 36	22 44	0 38	12 28	0 54	11 35	1 2	7 11	2 24	7 6	0 34	19 4	0 4	15 29	7 24	9 6	8 37	8 38	0 57	5 14
T 23	17 44	27 50	4 30	16 15	1 30	22 43	0 34	12 41	0 55	11 30	1 1	7 13	2 23	7 7	0 34	19 5	0 4	15 29	7 24	9 8	8 38	8 35	0 59	5 15
W24	17 27	25 55	3 50	15 34	1 23	22 41	0 31	12 54	0 56	11 25	1 1	7 14	2 23	7 7	0 34	19 5	0 4	15 29	7 24	9 10	8 40	8 31	1 0	5 15
T 25	17 10	22 48	3 0	14 51	1 16	22 38	0 28	13 7	0 56	11 19	1 1	7 16	2 23	7 8	0 34	19 6	0 4	15 29	7 25	9 11	8 41	8 28	1 1	5 15
F 26	16 53	18 45	2 2	14 8	1 8	22 35	0 25	13 19	0 57	11 14	1 1	7 18	2 23	7 9	0 34	19 6	0 4	15 29	7 25	9 12	8 42	8 25	1 2	5 15
S 27	16 36	13 59	0 59	13 23	0 59	22 31	0 22	13 32	0 57	11 9	1 1	7 20	2 22	7 10	0 34	19 6	0 4	15 29	7 25	9 13	8 43	8 21	1 3	5 15
S 28	16 18	8 45	0s 6	12 38	0 50	22 27	0 19	13 45	0 58	11 4	1 1	7 21	2 22	7 10	0 34	19 7	0 4	15 29	7 25	9 13	8 44	8 18	1 5	5 15
M29	16 0	3 14	1 10	11 51	0 39	22 21	0 16	13 58	0 59	10 59	1 1	7 23	2 22	7 11	0 34	19 7	0 4	15 29	7 25	9 13	8 46	8 15	1 6	5 15
T 30	15 41	2s24	2 12	11 5	0 28	22 15	0 13	14 10	0 59	10 54	1 1	7 25	2 22	7 12	0 34	19 8	0 4	15 29	7 25	9 12	8 47	8 11	1 7	5 15
W31	15s23	7s58	3s 8	10s19	0s17	22s 9	0n10	14n23	1n 0	10s48	1s 1	7n27	2s21	7n13	0s34	19n 8	0n 4	15s29	7n25	9s12	8s48	8n 8	1n 9	5s15

Julian Day Number = 2182368.5, Delta T = 11m24s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'45, Lahiri = 13°34'45 Julian Calendar 1 Jan. 1263 == Greg. Calendar 8 Jan. 1263

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

FEBRUARY 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 11 45	19♒23'52	24♎48	5♓40	19♉16	6♉11	4♓52	24♈52	19♈43	5°R 3	16♐43	6♓27	7♓26	9♍ 2	14°R46	T 1
F 2	9 15 41	20°24'20	7♏ 0	7°12	20°30	6°47	5° 6	24°57	19°45	5♌ 1	16°44	6°28	7°22	9° 9	14♍42	F 2
S 3	9 19 38	21°24'47	19°28	8°39	21°44	7°23	5°20	25° 1	19°47	5° 0	16°45	6°R28	7°19	9°16	14°38	S 3
S 4	9 23 34	22°25'13	2♐17	10° 1	22°58	7°58	5°35	25° 6	19°49	4°58	16°47	6°28	7°16	9°22	14°34	S 4
M 5	9 27 31	23°25'37	15°31	11°18	24°12	8°34	5°49	25°11	19°52	4°57	16°48	6°27	7°13	9°29	14°30	M 5
T 6	9 31 27	24°26'00	29°12	12°28	25°26	9°10	6° 3	25°16	19°54	4°55	16°49	6°26	7°10	9°36	14°26	T 6
W 7	9 35 24	25°26'22	13♑21	13°32	26°39	9°46	6°18	25°21	19°56	4°53	16°50	6°25	7° 6	9°42	14°21	W 7
T 8	9 39 20	26°26'42	27°55	14°28	27°53	10°22	6°32	25°26	19°59	4°52	16°51	6°23	7° 3	9°49	14°17	T 8
F 9	9 43 17	27°27'00	12♒50	15°16	29° 7	10°58	6°46	25°32	20° 1	4°50	16°52	6°22	7° 0	9°55	14°13	F 9
S 10	9 47 14	28°27'17	27°58	15°55	0♒21	11°34	7° 1	25°37	20° 3	4°49	16°53	6°22	6°57	10° 2	14° 8	S 10
S 11	9 51 10	29°27'31	13♓10	16°26	1°35	12°10	7°15	25°42	20° 6	4°47	16°54	6°D22	6°54	10° 9	14° 4	S 11
M12	9 55 7	0♓27'44	28°16	16°47	2°49	12°46	7°30	25°48	20° 8	4°46	16°55	6°22	6°51	10°15	13°59	M12
T 13	9 59 3	1°27'55	13♈ 8	16°59	4° 3	13°23	7°44	25°53	20°11	4°44	16°56	6°23	6°47	10°22	13°55	T 13
W14	10 3 0	2°28'03	27°39	17°R 1	5°17	13°59	7°59	25°59	20°13	4°43	16°57	6°23	6°44	10°29	13°50	W14
T 15	10 6 56	3°28'10	11♉46	16°55	6°31	14°35	8°13	26° 4	20°16	4°41	16°58	6°23	6°41	10°35	13°45	T 15
F 16	10 10 53	4°28'14	25°27	16°39	7°45	15°11	8°28	26°10	20°18	4°40	16°59	6°23	6°38	10°42	13°41	F 16
S 17	10 14 49	5°28'16	8♊43	16°15	8°59	15°48	8°42	26°16	20°21	4°39	16°59	6°R23	6°35	10°49	13°36	S 17
S 18	10 18 46	6°28'16	21°37	15°42	10°13	16°24	8°57	26°22	20°24	4°37	17° 0	6°D23	6°32	10°55	13°31	S 18
M19	10 22 43	7°28'14	4♋12	15° 3	11°27	17° 0	9°11	26°28	20°27	4°36	17° 1	6°23	6°28	11° 2	13°27	M19
T 20	10 26 39	8°28'10	16°31	14°17	12°41	17°37	9°26	26°34	20°29	4°34	17° 2	6°24	6°25	11° 9	13°22	T 20
W21	10 30 36	9°28'03	28°38	13°27	13°54	18°13	9°40	26°40	20°32	4°33	17° 2	6°24	6°22	11°15	13°17	W21
T 22	10 34 32	10°27'54	10♌36	12°32	15° 8	18°50	9°55	26°46	20°35	4°32	17° 3	6°24	6°19	11°22	13°12	T 22
F 23	10 38 29	11°27'43	22°29	11°36	16°22	19°26	10° 9	26°52	20°38	4°31	17° 3	6°25	6°16	11°28	13° 8	F 23
S 24	10 42 25	12°27'30	4♍17	10°38	17°36	20° 3	10°24	26°58	20°41	4°29	17° 4	6°R25	6°12	11°35	13° 3	S 24
S 25	10 46 22	13°27'15	16° 5	9°40	18°50	20°39	10°38	27° 5	20°43	4°28	17° 5	6°25	6° 9	11°42	12°58	S 25
M26	10 50 18	14°26'58	27°54	8°44	20° 4	21°16	10°52	27°11	20°46	4°27	17° 5	6°24	6° 6	11°48	12°53	M26
T 27	10 54 15	15°26'38	9♎46	7°50	21°18	21°52	11° 7	27°18	20°49	4°26	17° 6	6°23	6° 3	11°55	12°49	T 27
W28	10 58 11	16♓26'17	21♎44	6♓59	22♒32	22♉29	11♓21	27♈24	20♈52	4♌24	17♐ 6	6♓22	6♓ 0	12♍ 2	12♍44	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 4	13s19	3s57	9s32	0s 4	22s 2	0n 7	14n35	1n 0	10s43	1s 1	7n29	2s21	7n13	0s34	19n 8	0n 4	15s29	7n25	9s11	8s49	8n 5	1n10	5s16
F 2	14 45	18 15	4 36	8 46	0n 9	21 54	0 4	14 47	1 1	10 38	1 1	7 31	2 21	7 14	0 34	19 9	0 4	15 29	7 25	9 11	8 50	8 1	1 12	5 16
S 3	14 25	22 32	5 3	8 1	0 22	21 45	0 1	15 0	1 1	10 33	1 1	7 33	2 21	7 15	0 34	19 9	0 4	15 29	7 26	9 10	8 51	7 58	1 13	5 16
S 4	14 6	25 52	5 16	7 17	0 36	21 36	0s 2	15 12	1 2	10 27	1 1	7 35	2 20	7 16	0 34	19 10	0 4	15 29	7 26	9 10	8 53	7 55	1 15	5 16
M 5	13 46	27 56	5 13	6 35	0 51	21 26	0 5	15 24	1 2	10 22	1 1	7 37	2 20	7 17	0 34	19 10	0 4	15 29	7 26	9 11	8 54	7 51	1 16	5 16
T 6	13 26	28 25	4 52	5 54	1 5	21 16	0 7	15 36	1 3	10 17	1 1	7 39	2 20	7 18	0 34	19 10	0 4	15 29	7 26	9 11	8 55	7 48	1 18	5 16
W 7	13 6	27 4	4 14	5 16	1 20	21 5	0 10	15 48	1 3	10 11	1 1	7 41	2 20	7 19	0 33	19 11	0 4	15 29	7 26	9 12	8 56	7 45	1 20	5 16
T 8	12 45	23 53	3 18	4 40	1 36	20 53	0 13	16 0	1 4	10 6	1 1	7 43	2 19	7 20	0 33	19 11	0 4	15 29	7 26	9 12	8 57	7 41	1 21	5 16
F 9	12 24	19 3	2 7	4 8	1 51	20 41	0 16	16 12	1 4	10 1	1 1	7 45	2 19	7 20	0 33	19 12	0 4	15 29	7 26	9 13	8 59	7 38	1 23	5 16
S 10	12 4	12 57	0 47	3 39	2 5	20 28	0 19	16 23	1 5	9 55	1 1	7 47	2 19	7 21	0 33	19 12	0 4	15 29	7 26	9 13	9 0	7 35	1 25	5 16
S 11	11 43	6 4	0n38	3 14	2 20	20 14	0 21	16 35	1 5	9 50	1 1	7 49	2 19	7 22	0 33	19 12	0 4	15 29	7 27	9 13	9 1	7 31	1 27	5 15
M12	11 21	1n 7	1 59	2 53	2 34	20 0	0 24	16 46	1 5	9 45	1 2	7 51	2 18	7 23	0 33	19 13	0 4	15 29	7 27	9 13	9 2	7 28	1 28	5 15
T 13	11 0	8 8	3 11	2 36	2 47	19 45	0 27	16 58	1 6	9 39	1 2	7 54	2 18	7 24	0 33	19 13	0 4	15 29	7 27	9 13	9 3	7 25	1 30	5 15
W14	10 38	14 32	4 8	2 24	2 59	19 30	0 29	17 9	1 6	9 34	1 2	7 56	2 18	7 25	0 33	19 13	0 4	15 29	7 27	9 12	9 4	7 21	1 32	5 15
T 15	10 17	20 0	4 49	2 16	3 10	19 14	0 32	17 20	1 7	9 28	1 2	7 58	2 18	7 26	0 33	19 14	0 4	15 29	7 27	9 12	9 6	7 18	1 34	5 15
F 16	9 55	24 15	5 12	2 14	3 20	18 58	0 34	17 32	1 7	9 23	1 2	8 0	2 18	7 27	0 33	19 14	0 4	15 29	7 27	9 12	9 7	7 15	1 36	5 15
S 17	9 33	27 4	5 18	2 15	3 28	18 41	0 37	17 43	1 8	9 18	1 2	8 3	2 17	7 28	0 33	19 15	0 4	15 29	7 27	9 12	9 8	7 11	1 38	5 15
S 18	9 10	28 22	5 7	2 22	3 34	18 23	0 39	17 54	1 8	9 12	1 2	8 5	2 17	7 29	0 33	19 15	0 4	15 28	7 28	9 12	9 9	7 8	1 40	5 15
M19	8 48	28 9	4 41	2 33	3 39	18 5	0 42	18 4	1 8	9 7	1 2	8 7	2 17	7 30	0 33	19 15	0 4	15 28	7 28	9 12	9 10	7 5	1 42	5 14
T 20	8 26	26 32	4 3	2 48	3 42	17 47	0 44	18 15	1 9	9 1	1 2	8 10	2 17	7 31	0 33	19 16	0 4	15 28	7 28	9 12	9 12	7 1	1 44	5 14
W21	8 3	23 42	3 15	3 7	3 42	17 28	0 46	18 26	1 9	8 56	1 2	8 12	2 17	7 32	0 33	19 16	0 4	15 28	7 28	9 12	9 13	6 58	1 46	5 14
T 22	7 40	19 52	2 19	3 29	3 41	17 8	0 49	18 36	1 9	8 50	1 2	8 14	2 16	7 34	0 33	19 16	0 4	15 28	7 28	9 12	9 14	6 55	1 48	5 14
F 23	7 18	15 17	1 17	3 53	3 38	16 48	0 51	18 47	1 10	8 45	1 2	8 17	2 16	7 35	0 33	19 17	0 4	15 28	7 28	9 12	9 15	6 51	1 50	5 14
S 24	6 55	10 10	0 12	4 20	3 32	16 28	0 53	18 57	1 10	8 39	1 2	8 19	2 16	7 36	0 33	19 17	0 4	15 28	7 28	9 12	9 16	6 48	1 52	5 13
S 25	6 32	4 41	0s53	4 49	3 25	16 7	0 55	19 7	1 10	8 34	1 2	8 22	2 16	7 37	0 33	19 17	0 4	15 28	7 29	9 12	9 17	6 45	1 54	5 13
M26	6 9	0s56	1 57	5 18	3 16	15 45	0 57	19 17	1 11	8 28	1 2	8 24	2 16	7 38	0 33	19 17	0 4	15 28	7 29	9 12	9 19	6 41	1 56	5 13
T 27	5 46	6 34	2 55	5 48	3 6	15 24	0 59	19 27	1 11	8 23	1 2	8 27	2 15	7 39	0 33	19 18	0 4	15 28	7 29	9 12	9 20	6 38	1 58	5 13
W28	5s22	11s59	3s46	6s17	2n54	15s 1	1s 1	19n37	1n11	8s17	1s 2	8n29	2s15	7n40	0s33	19n18	0n 4	15s28	7n29	9s13	9s21	6n35	2n 0	5s12

Julian Day Number = 2182399.5, Delta T = 11m24s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'49, Lahiri = 13°34'49 Julian Calendar 1 Feb. 1263 == Greg. Calendar 8 Feb. 1263

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

MARCH 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 2 8	17♓25'54	3♏49	6°R13	23♒46	23♉ 5	11♓36	27♈31	20♈55	4°R23	17♐ 6	6°R20	5♓57	12♍ 8	12°R39	T 1
F 2	11 6 5	18°25'30	16° 6	5♓32	25° 0	23°42	11°50	27°37	20°58	4♌22	17° 7	6♓19	5°53	12°15	12♍34	F 2
S 3	11 10 1	19°25'03	28°37	4°56	26°14	24°19	12° 5	27°44	21° 1	4°21	17° 7	6°17	5°50	12°22	12°30	S 3
S 4	11 13 58	20°24'35	11♐25	4°25	27°28	24°55	12°19	27°50	21° 4	4°20	17° 7	6°17	5°47	12°28	12°25	S 4
M 5	11 17 54	21°24'05	24°33	4° 1	28°42	25°32	12°34	27°57	21° 7	4°19	17° 8	6°D16	5°44	12°35	12°20	M 5
T 6	11 21 51	22°23'33	8♑ 4	3°43	29°56	26° 9	12°48	28° 4	21°11	4°18	17° 8	6°17	5°41	12°42	12°16	T 6
W 7	11 25 47	23°22'59	21°59	3°31	1♓10	26°45	13° 2	28°11	21°14	4°17	17° 8	6°18	5°38	12°48	12°11	W 7
T 8	11 29 44	24°22'24	6♒20	3°25	2°24	27°22	13°17	28°18	21°17	4°16	17° 8	6°19	5°34	12°55	12° 6	T 8
F 9	11 33 41	25°21'46	21° 2	3°D24	3°38	27°59	13°31	28°25	21°20	4°15	17° 8	6°20	5°31	13° 2	12° 2	F 9
S 10	11 37 37	26°21'07	6♓ 2	3°30	4°52	28°35	13°45	28°31	21°23	4°14	17° 9	6°R21	5°28	13° 8	11°57	S 10
S 11	11 41 34	27°20'26	21°12	3°40	6° 5	29°12	14° 0	28°38	21°26	4°13	17° 9	6°20	5°25	13°15	11°53	S 11
M12	11 45 30	28°19'42	6♈22	3°56	7°19	29°49	14°14	28°46	21°30	4°12	17° 9	6°19	5°22	13°21	11°48	M12
T 13	11 49 27	29°18'57	21°23	4°17	8°33	0♊26	14°28	28°53	21°33	4°12	17°R 9	6°16	5°18	13°28	11°44	T 13
W14	11 53 23	0♈18'09	6♉ 7	4°43	9°47	1° 3	14°43	29° 0	21°36	4°11	17° 9	6°13	5°15	13°35	11°39	W14
T 15	11 57 20	1°17'19	20°27	5°13	11° 1	1°40	14°57	29° 7	21°39	4°10	17° 9	6° 9	5°12	13°41	11°35	T 15
F 16	12 1 16	2°16'27	4♊19	5°47	12°15	2°16	15°11	29°14	21°43	4° 9	17° 9	6° 6	5° 9	13°48	11°31	F 16
S 17	12 5 13	3°15'33	17°44	6°26	13°29	2°53	15°25	29°21	21°46	4° 9	17° 8	6° 4	5° 6	13°55	11°27	S 17
S 18	12 9 9	4°14'36	0♋41	7° 8	14°43	3°30	15°39	29°29	21°49	4° 8	17° 8	6°D 3	5° 3	14° 1	11°22	S 18
M19	12 13 6	5°13'37	13°16	7°54	15°57	4° 7	15°53	29°36	21°53	4° 7	17° 8	6° 3	4°59	14° 8	11°18	M19
T 20	12 17 3	6°12'35	25°32	8°43	17°11	4°44	16° 7	29°43	21°56	4° 7	17° 8	6° 5	4°56	14°15	11°14	T 20
W21	12 20 59	7°11'31	7♌34	9°36	18°25	5°21	16°21	29°51	21°59	4° 6	17° 8	6° 6	4°53	14°21	11°10	W21
T 22	12 24 56	8°10'25	19°27	10°31	19°38	5°58	16°35	29°58	22° 3	4° 5	17° 7	6° 8	4°50	14°28	11° 6	T 22
F 23	12 28 52	9° 9'16	1♍15	11°30	20°52	6°35	16°49	0♉ 5	22° 6	4° 5	17° 7	6°R 9	4°47	14°35	11° 2	F 23
S 24	12 32 49	10° 8'06	13° 1	12°31	22° 6	7°12	17° 3	0°13	22° 9	4° 4	17° 7	6° 9	4°43	14°41	10°59	S 24
S 25	12 36 45	11° 6'53	24°50	13°35	23°20	7°49	17°17	0°20	22°13	4° 4	17° 6	6° 7	4°40	14°48	10°55	S 25
M26	12 40 42	12° 5'38	6♎43	14°42	24°34	8°25	17°31	0°28	22°16	4° 4	17° 6	6° 4	4°37	14°55	10°51	M26
T 27	12 44 38	13° 4'21	18°43	15°51	25°48	9° 2	17°45	0°35	22°20	4° 3	17° 5	5°59	4°34	15° 1	10°48	T 27
W28	12 48 35	14° 3'02	0♏51	17° 2	27° 2	9°39	17°58	0°43	22°23	4° 3	17° 5	5°52	4°31	15° 8	10°44	W28
T 29	12 52 32	15° 1'41	13°10	18°16	28°15	10°16	18°12	0°50	22°26	4° 2	17° 4	5°45	4°28	15°14	10°41	T 29
F 30	12 56 28	16° 0'18	25°39	19°31	29°29	10°53	18°26	0°58	22°30	4° 2	17° 4	5°38	4°24	15°21	10°38	F 30
S 31	13 0 25	16♈58'54	8♐20	20♓49	0♈43	11♊30	18♓39	1♉ 6	22♈33	4♌ 2	17♐ 3	5♓32	4♓21	15♍28	10♍34	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s59	17s 2	4s27	6s46	2n41	14s39	1s 3	19n46	1n11	8s12	1s 2	8n32	2s15	7n41	0s33	19n18	0n 4	15s27	7n29	9s13	9s22	6n31	2n 2	5s12
F 2	4 36	21 28	4 57	7 14	2 28	14 16	1 5	19 56	1 12	8 6	1 2	8 34	2 15	7 43	0 33	19 19	0 4	15 27	7 29	9 14	9 23	6 28	2 4	5 12
S 3	4 12	25 2	5 14	7 40	2 13	13 52	1 7	20 5	1 12	8 1	1 2	8 37	2 15	7 44	0 33	19 19	0 4	15 27	7 29	9 14	9 24	6 25	2 6	5 11
S 4	3 49	27 27	5 15	8 5	1 59	13 28	1 8	20 15	1 12	7 56	1 2	8 39	2 15	7 45	0 33	19 19	0 4	15 27	7 30	9 15	9 26	6 21	2 8	5 11
M 5	3 25	28 26	5 1	8 28	1 44	13 4	1 10	20 24	1 13	7 50	1 2	8 42	2 14	7 46	0 33	19 19	0 4	15 27	7 30	9 15	9 27	6 18	2 10	5 11
T 6	3 2	27 46	4 29	8 49	1 29	12 40	1 12	20 33	1 13	7 45	1 2	8 44	2 14	7 47	0 33	19 20	0 4	15 27	7 30	9 15	9 28	6 14	2 12	5 10
W 7	2 38	25 23	3 42	9 7	1 13	12 15	1 13	20 42	1 13	7 39	1 3	8 47	2 14	7 48	0 33	19 20	0 4	15 27	7 30	9 14	9 29	6 11	2 15	5 10
T 8	2 15	21 19	2 39	9 23	0 58	11 50	1 15	20 50	1 13	7 34	1 3	8 49	2 14	7 50	0 33	19 20	0 4	15 27	7 30	9 14	9 30	6 8	2 17	5 10
F 9	1 51	15 52	1 24	9 37	0 44	11 24	1 16	20 59	1 13	7 28	1 3	8 52	2 14	7 51	0 33	19 20	0 4	15 26	7 30	9 13	9 32	6 4	2 19	5 9
S 10	1 27	9 22	0 2	9 49	0 29	10 58	1 17	21 8	1 14	7 23	1 3	8 55	2 14	7 52	0 33	19 21	0 4	15 26	7 30	9 13	9 33	6 1	2 21	5 9
S 11	1 4	2 16	1n21	9 58	0 15	10 32	1 19	21 16	1 14	7 17	1 3	8 57	2 14	7 53	0 33	19 21	0 4	15 26	7 31	9 13	9 34	5 58	2 23	5 8
M12	0 40	4n57	2 38	10 5	0 2	10 6	1 20	21 24	1 14	7 12	1 3	9 0	2 13	7 54	0 33	19 21	0 4	15 26	7 31	9 14	9 35	5 54	2 25	5 8
T 13	0 16	11 49	3 43	10 9	0s12	9 39	1 21	21 32	1 14	7 6	1 3	9 3	2 13	7 56	0 33	19 21	0 4	15 26	7 31	9 15	9 36	5 51	2 27	5 8
W14	0n 7	17 54	4 32	10 12	0 24	9 12	1 22	21 40	1 15	7 1	1 3	9 5	2 13	7 57	0 33	19 21	0 4	15 26	7 31	9 16	9 37	5 48	2 29	5 7
T 15	0 31	22 48	5 3	10 12	0 36	8 45	1 23	21 48	1 15	6 55	1 3	9 8	2 13	7 58	0 33	19 22	0 4	15 26	7 31	9 17	9 39	5 44	2 31	5 7
F 16	0 54	26 14	5 14	10 10	0 48	8 17	1 24	21 55	1 15	6 50	1 3	9 11	2 13	7 59	0 33	19 22	0 4	15 25	7 31	9 19	9 40	5 41	2 33	5 6
S 17	1 18	28 5	5 8	10 6	0 59	7 50	1 25	22 3	1 15	6 45	1 3	9 13	2 13	8 1	0 33	19 22	0 4	15 25	7 31	9 19	9 41	5 37	2 35	5 6
S 18	1 42	28 18	4 46	10 0	1 9	7 22	1 26	22 10	1 15	6 39	1 3	9 16	2 13	8 2	0 33	19 22	0 4	15 25	7 32	9 20	9 42	5 34	2 37	5 5
M19	2 5	27 2	4 11	9 52	1 19	6 54	1 27	22 18	1 15	6 34	1 3	9 19	2 13	8 3	0 33	19 22	0 4	15 25	7 32	9 20	9 43	5 31	2 39	5 5
T 20	2 29	24 28	3 25	9 42	1 29	6 25	1 27	22 25	1 16	6 28	1 4	9 21	2 12	8 4	0 33	19 22	0 4	15 25	7 32	9 19	9 44	5 27	2 41	5 4
W21	2 52	20 52	2 30	9 30	1 37	5 57	1 28	22 31	1 16	6 23	1 4	9 24	2 12	8 6	0 33	19 23	0 4	15 25	7 32	9 19	9 46	5 24	2 43	5 4
T 22	3 15	16 29	1 30	9 17	1 46	5 28	1 28	22 38	1 16	6 18	1 4	9 27	2 12	8 7	0 33	19 23	0 4	15 25	7 32	9 18	9 47	5 21	2 45	5 3
F 23	3 39	11 30	0 27	9 1	1 53	5 0	1 29	22 45	1 16	6 12	1 4	9 29	2 12	8 8	0 33	19 23	0 4	15 24	7 32	9 18	9 48	5 17	2 47	5 3
S 24	4 2	6 7	0s38	8 44	2 0	4 31	1 29	22 51	1 16	6 7	1 4	9 32	2 12	8 10	0 33	19 23	0 4	15 24	7 32	9 18	9 49	5 14	2 49	5 2
S 25	4 25	0 32	1 40	8 25	2 6	4 2	1 30	22 57	1 16	6 1	1 4	9 35	2 12	8 11	0 33	19 23	0 4	15 24	7 33	9 18	9 50	5 10	2 51	5 1
M26	4 48	5s 7	2 39	8 5	2 12	3 33	1 30	23 4	1 17	5 56	1 4	9 37	2 12	8 12	0 33	19 23	0 4	15 24	7 33	9 19	9 51	5 7	2 53	5 1
T 27	5 11	10 37	3 31	7 43	2 18	3 3	1 30	23 9	1 17	5 51	1 4	9 40	2 12	8 13	0 33	19 23	0 4	15 24	7 33	9 21	9 53	5 4	2 55	5 0
W28	5 34	15 47	4 14	7 19	2 22	2 34	1 30	23 15	1 17	5 46	1 4	9 43	2 12	8 15	0 32	19 23	0 4	15 24	7 33	9 24	9 54	5 0	2 57	5 0
T 29	5 57	20 24	4 46	6 54	2 26	2 5	1 30	23 21	1 17	5 40	1 4	9 46	2 12	8 16	0 32	19 24	0 4	15 23	7 33	9 26	9 55	4 57	2 59	4 59
F 30	6 19	24 11	5 5	6 28	2 30	1 35	1 30	23 26	1 17	5 35	1 5	9 48	2 11	8 17	0 32	19 24	0 4	15 23	7 33	9 29	9 56	4 54	3 1	4 58
S 31	6n42	26s52	5s 9	6s 0	2s33	1s 6	1s30	23n32	1n17	5s30	1s 5	9n51	2s11	8n19	0s32	19n24	0n 4	15s23	7n33	9s31	9s57	4n50	3n 2	4s58

Julian Day Number = 2182427.5, Delta T = 11m23s
Ecliptic obliquity = 23°32'15, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'53, Lahiri = 13°34'53 Julian Calendar 1 March 1263 == Greg. Calendar 8 March 1263

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

APRIL 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 4 21	17♈57'27	21♐15	22♓ 9	1♈57	12♊ 7	18♓53	1♉13	22♈37	4°R 2	17°R 3	5°R27	4♓18	15♍34	10°R31	S 1
M 2	13 8 18	18°56'00	4♑25	23°31	3°11	12°44	19° 7	1°21	22°40	4♎ 1	17♐ 2	5♓24	4°15	15°41	10♍28	M 2
T 3	13 12 14	19°54'30	17°53	24°55	4°24	13°21	19°20	1°28	22°44	4° 1	17° 2	5°D23	4°12	15°48	10°25	T 3
W 4	13 16 11	20°52'59	1♒39	26°21	5°38	13°58	19°33	1°36	22°47	4° 1	17° 1	5°24	4° 9	15°54	10°22	W 4
T 5	13 20 7	21°51'26	15°45	27°49	6°52	14°35	19°47	1°44	22°51	4° 1	17° 0	5°25	4° 5	16° 1	10°19	T 5
F 6	13 24 4	22°49'52	0♓ 9	29°19	8° 6	15°12	20° 0	1°52	22°54	4° 1	17° 0	5°R26	4° 2	16° 8	10°17	F 6
S 7	13 28 1	23°48'15	14°50	0♈50	9°20	15°49	20°13	1°59	22°57	4° 1	16°59	5°26	3°59	16°14	10°14	S 7
S 8	13 31 57	24°46'38	29°42	2°23	10°34	16°26	20°27	2° 7	23° 1	4°D 1	16°58	5°23	3°56	16°21	10°12	S 8
M 9	13 35 54	25°44'58	14♈39	3°59	11°47	17° 3	20°40	2°15	23° 4	4° 1	16°57	5°19	3°53	16°28	10° 9	M 9
T 10	13 39 50	26°43'17	29°33	5°36	13° 1	17°40	20°53	2°22	23° 8	4° 1	16°56	5°13	3°49	16°34	10° 7	T 10
W11	13 43 47	27°41'34	14♉15	7°14	14°15	18°18	21° 6	2°30	23°11	4° 1	16°55	5° 5	3°46	16°41	10° 5	W11
T 12	13 47 43	28°39'49	28°36	8°55	15°29	18°55	21°19	2°38	23°15	4° 1	16°55	4°56	3°43	16°48	10° 2	T 12
F 13	13 51 40	29°38'02	12♊33	10°37	16°42	19°32	21°32	2°46	23°18	4° 1	16°54	4°48	3°40	16°54	10° 0	F 13
S 14	13 55 36	0♉36'13	26° 3	12°21	17°56	20° 9	21°45	2°53	23°22	4° 2	16°53	4°42	3°37	17° 1	9°58	S 14
S 15	13 59 33	1°34'22	9♋ 5	14° 7	19°10	20°46	21°57	3° 1	23°25	4° 2	16°52	4°37	3°34	17° 7	9°57	S 15
M16	14 3 30	2°32'29	21°43	15°55	20°24	21°23	22°10	3° 9	23°28	4° 2	16°51	4°34	3°30	17°14	9°55	M16
T 17	14 7 26	3°30'35	4♌ 0	17°45	21°37	22° 0	22°23	3°17	23°32	4° 2	16°50	4°D34	3°27	17°21	9°53	T 17
W18	14 11 23	4°28'38	16° 2	19°36	22°51	22°37	22°35	3°25	23°35	4° 3	16°49	4°34	3°24	17°27	9°52	W18
T 19	14 15 19	5°26'39	27°55	21°30	24° 5	23°14	22°48	3°32	23°39	4° 3	16°48	4°35	3°21	17°34	9°50	T 19
F 20	14 19 16	6°24'38	9♍42	23°25	25°19	23°51	23° 0	3°40	23°42	4° 3	16°47	4°R35	3°18	17°41	9°49	F 20
S 21	14 23 12	7°22'35	21°30	25°22	26°32	24°28	23°12	3°48	23°45	4° 4	16°46	4°34	3°15	17°47	9°48	S 21
S 22	14 27 9	8°20'31	3♎21	27°20	27°46	25° 6	23°25	3°56	23°49	4° 4	16°44	4°30	3°11	17°54	9°47	S 22
M23	14 31 5	9°18'25	15°21	29°21	29° 0	25°43	23°37	4° 3	23°52	4° 5	16°43	4°23	3° 8	18° 1	9°46	M23
T 24	14 35 2	10°16'17	27°31	1♉23	0♉13	26°20	23°49	4°11	23°56	4° 5	16°42	4°15	3° 5	18° 7	9°45	T 24
W25	14 38 59	11°14'08	9♏52	3°27	1°27	26°57	24° 1	4°19	23°59	4° 6	16°41	4° 4	3° 2	18°14	9°44	W25
T 26	14 42 55	12°11'57	22°27	5°32	2°41	27°34	24°13	4°26	24° 2	4° 6	16°40	3°52	2°59	18°21	9°44	T 26
F 27	14 46 52	13° 9'44	5♐14	7°38	3°54	28°11	24°25	4°34	24° 5	4° 7	16°38	3°41	2°55	18°27	9°43	F 27
S 28	14 50 48	14° 7'31	18°13	9°46	5° 8	28°48	24°37	4°42	24° 9	4° 8	16°37	3°30	2°52	18°34	9°43	S 28
S 29	14 54 45	15° 5'16	1♑25	11°55	6°22	29°25	24°48	4°50	24°12	4° 8	16°36	3°22	2°49	18°41	9°43	S 29
M30	14 58 41	16♑ 3'00	14♑48	14♑ 5	7♑36	0♋ 3	25♓ 0	4♑57	24♈15	4♎ 9	16♐35	3♓16	2♓46	18♍47	9♍42	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 4	28s12	4s58	5s30	2s35	0s36	1s30	23n37	1n17	5s25	1s 5	9n54	2s11	8n20	0s32	19n24	0n 4	15s23	7n33	9s33	9s58	4n47	3n 4	4s57
M 2	7 27	27 59	4 31	4 59	2 37	0 6	1 30	23 42	1 17	5 19	1 5	9 56	2 11	8 21	0 32	19 24	0 4	15 23	7 34	9 34	9 59	4 43	3 6	4 57
T 3	7 49	26 7	3 49	4 27	2 38	0n23	1 30	23 47	1 17	5 14	1 5	9 59	2 11	8 22	0 32	19 24	0 4	15 23	7 34	9 34	10 1	4 40	3 8	4 56
W 4	8 11	22 40	2 52	3 53	2 39	0 53	1 29	23 51	1 17	5 9	1 5	10 2	2 11	8 24	0 32	19 24	0 4	15 22	7 34	9 34	10 2	4 37	3 9	4 55
T 5	8 33	17 51	1 44	3 19	2 39	1 22	1 29	23 56	1 18	5 4	1 5	10 5	2 11	8 25	0 32	19 24	0 4	15 22	7 34	9 34	10 3	4 33	3 11	4 55
F 6	8 55	11 55	0 29	2 42	2 39	1 52	1 29	24 0	1 18	4 59	1 5	10 7	2 11	8 26	0 32	19 24	0 4	15 22	7 34	9 33	10 4	4 30	3 13	4 54
S 7	9 17	5 13	0n51	2 5	2 38	2 22	1 28	24 4	1 18	4 54	1 6	10 10	2 11	8 28	0 32	19 24	0 4	15 22	7 34	9 34	10 5	4 27	3 14	4 53
S 8	9 38	1n49	2 7	1 27	2 37	2 51	1 27	24 8	1 18	4 48	1 6	10 13	2 11	8 29	0 32	19 24	0 4	15 22	7 34	9 34	10 6	4 23	3 16	4 53
M 9	9 59	8 48	3 15	0 47	2 35	3 21	1 27	24 12	1 18	4 43	1 6	10 15	2 11	8 30	0 32	19 24	0 4	15 21	7 34	9 36	10 8	4 20	3 17	4 52
T 10	10 21	15 15	4 10	0 6	2 32	3 50	1 26	24 15	1 18	4 38	1 6	10 18	2 11	8 31	0 32	19 24	0 4	15 21	7 34	9 38	10 9	4 16	3 19	4 51
W11	10 42	20 44	4 47	0n36	2 29	4 20	1 25	24 19	1 18	4 33	1 6	10 21	2 11	8 33	0 32	19 24	0 4	15 21	7 34	9 41	10 10	4 13	3 20	4 50
T 12	11 3	24 53	5 5	1 19	2 26	4 49	1 25	24 22	1 18	4 28	1 6	10 23	2 11	8 34	0 32	19 24	0 4	15 21	7 35	9 44	10 11	4 10	3 22	4 50
F 13	11 23	27 25	5 4	2 3	2 22	5 18	1 24	24 25	1 18	4 23	1 6	10 26	2 11	8 35	0 32	19 24	0 4	15 21	7 35	9 47	10 12	4 6	3 23	4 49
S 14	11 44	28 14	4 46	2 48	2 17	5 47	1 23	24 28	1 18	4 18	1 7	10 29	2 11	8 37	0 32	19 24	0 4	15 21	7 35	9 50	10 13	4 3	3 25	4 48
S 15	12 4	27 26	4 13	3 34	2 12	6 16	1 22	24 31	1 18	4 13	1 7	10 32	2 11	8 38	0 32	19 24	0 4	15 20	7 35	9 51	10 15	3 59	3 26	4 48
M16	12 24	25 13	3 29	4 21	2 6	6 45	1 21	24 33	1 18	4 9	1 7	10 34	2 10	8 39	0 32	19 24	0 4	15 20	7 35	9 52	10 16	3 56	3 27	4 47
T 17	12 44	21 52	2 36	5 9	2 0	7 14	1 20	24 36	1 18	4 4	1 7	10 37	2 10	8 40	0 32	19 24	0 4	15 20	7 35	9 53	10 17	3 53	3 28	4 46
W18	13 4	17 39	1 38	5 57	1 53	7 43	1 18	24 38	1 18	3 59	1 7	10 39	2 10	8 42	0 32	19 24	0 4	15 20	7 35	9 52	10 18	3 49	3 30	4 45
T 19	13 23	12 48	0 36	6 46	1 46	8 11	1 17	24 40	1 18	3 54	1 7	10 42	2 10	8 43	0 32	19 24	0 4	15 20	7 35	9 52	10 19	3 46	3 31	4 45
F 20	13 43	7 32	0s27	7 36	1 39	8 39	1 16	24 42	1 18	3 49	1 7	10 45	2 10	8 44	0 32	19 24	0 4	15 20	7 35	9 52	10 20	3 43	3 32	4 44
S 21	14 2	2 1	1 29	8 26	1 31	9 7	1 14	24 44	1 18	3 44	1 8	10 47	2 10	8 45	0 32	19 23	0 4	15 19	7 35	9 53	10 21	3 39	3 33	4 43
S 22	14 21	3s35	2 27	9 17	1 22	9 35	1 13	24 45	1 18	3 40	1 8	10 50	2 10	8 47	0 32	19 23	0 4	15 19	7 35	9 54	10 23	3 36	3 34	4 43
M23	14 39	9 8	3 19	10 9	1 13	10 3	1 12	24 46	1 18	3 35	1 8	10 53	2 10	8 48	0 32	19 23	0 4	15 19	7 35	9 56	10 24	3 32	3 35	4 42
T 24	14 58	14 24	4 3	11 0	1 4	10 30	1 10	24 48	1 18	3 30	1 8	10 55	2 10	8 49	0 32	19 23	0 4	15 19	7 35	10 0	10 25	3 29	3 36	4 41
W25	15 16	19 12	4 36	11 52	0 55	10 57	1 9	24 48	1 18	3 26	1 8	10 58	2 10	8 50	0 32	19 23	0 4	15 19	7 35	10 3	10 26	3 26	3 37	4 40
T 26	15 34	23 13	4 56	12 43	0 45	11 24	1 7	24 49	1 18	3 21	1 8	11 0	2 10	8 52	0 32	19 23	0 4	15 19	7 36	10 8	10 27	3 22	3 38	4 40
F 27	15 51	26 13	5 2	13 34	0 35	11 51	1 5	24 50	1 18	3 17	1 9	11 3	2 10	8 53	0 32	19 23	0 4	15 18	7 36	10 12	10 28	3 19	3 39	4 39
S 28	16 9	27 52	4 52	14 25	0 24	12 17	1 4	24 50	1 18	3 12	1 9	11 6	2 10	8 54	0 32	19 23	0 4	15 18	7 36	10 16	10 30	3 15	3 40	4 38
S 29	16 26	27 59	4 27	15 15	0 14	12 43	1 2	24 51	1 18	3 8	1 9	11 8	2 10	8 55	0 32	19 22	0 4	15 18	7 36	10 19	10 31	3 12	3 41	4 37
M30	16n43	26s28	3s47	16n 5	0s 3	13n 9	1s 0	24n51	1n18	3s 3	1s 9	11n11	2s10	8n56	0s32	19n22	0n 4	15s18	7n36	10s21	10s32	3n 9	3n41	4s37

Julian Day Number = 2182458.5, Delta T = 11m23s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°27'57, Lahiri = 13°34'57 Julian Calendar 1 Apr. 1263 == Greg. Calendar 8 Apr. 1263

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

MAY 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 2 38	17♉ 0'42	28♋22	16♉16	8♉49	0♋40	25♓12	5♉ 5	24♈19	4♎10	16°R33	3°R12	2♓43	18♍54	9°D42	T 1
W 2	15 6 34	17°58'24	12♒ 9	18°27	10° 3	1°17	25°23	5°13	24°22	4°11	16♐32	3♓11	2°40	19° 1	9♍42	W 2
T 3	15 10 31	18°56'05	26° 7	20°39	11°17	1°54	25°34	5°20	24°25	4°11	16°31	3°11	2°36	19° 7	9°43	T 3
F 4	15 14 28	19°53'44	10♓18	22°50	12°30	2°31	25°46	5°28	24°28	4°12	16°29	3°11	2°33	19°14	9°43	F 4
S 5	15 18 24	20°51'22	24°40	25° 1	13°44	3° 8	25°57	5°35	24°31	4°13	16°28	3°10	2°30	19°20	9°43	S 5
S 6	15 22 21	21°49'00	9♈10	27°12	14°58	3°45	26° 8	5°43	24°35	4°14	16°27	3° 6	2°27	19°27	9°44	S 6
M 7	15 26 17	22°46'36	23°44	29°22	16°11	4°23	26°19	5°51	24°38	4°15	16°25	3° 0	2°24	19°34	9°44	M 7
T 8	15 30 14	23°44'11	8♉17	1♊30	17°25	5° 0	26°30	5°58	24°41	4°16	16°24	2°51	2°21	19°40	9°45	T 8
W 9	15 34 10	24°41'46	22°41	3°37	18°39	5°37	26°40	6° 6	24°44	4°17	16°22	2°40	2°17	19°47	9°46	W 9
T 10	15 38 7	25°39'19	6♊50	5°43	19°52	6°14	26°51	6°13	24°47	4°18	16°21	2°28	2°14	19°54	9°47	T 10
F 11	15 42 3	26°36'51	20°39	7°47	21° 6	6°51	27° 2	6°21	24°50	4°19	16°20	2°17	2°11	20° 0	9°48	F 11
S 12	15 46 0	27°34'22	4♋ 5	9°49	22°20	7°29	27°12	6°28	24°53	4°20	16°18	2° 7	2° 8	20° 7	9°49	S 12
S 13	15 49 57	28°31'51	17° 6	11°48	23°33	8° 6	27°22	6°35	24°56	4°21	16°17	2° 0	2° 5	20°14	9°51	S 13
M14	15 53 53	29°29'20	29°44	13°46	24°47	8°43	27°33	6°43	24°59	4°22	16°15	1°55	2° 1	20°20	9°52	M14
T 15	15 57 50	0♊26'46	12♎ 3	15°41	26° 1	9°20	27°43	6°50	25° 2	4°23	16°14	1°52	1°58	20°27	9°54	T 15
W16	16 1 46	1°24'12	24° 6	17°33	27°14	9°58	27°53	6°57	25° 5	4°25	16°12	1°52	1°55	20°34	9°55	W16
T 17	16 5 43	2°21'37	6♍ 0	19°24	28°28	10°35	28° 3	7° 5	25° 8	4°26	16°11	1°52	1°52	20°40	9°57	T 17
F 18	16 9 39	3°19'00	17°48	21°11	29°42	11°12	28°13	7°12	25°11	4°27	16° 9	1°51	1°49	20°47	9°59	F 18
S 19	16 13 36	4°16'22	29°38	22°56	0♊55	11°49	28°22	7°19	25°14	4°28	16° 8	1°49	1°46	20°54	10° 1	S 19
S 20	16 17 32	5°13'42	11♏33	24°38	2° 9	12°27	28°32	7°26	25°17	4°30	16° 6	1°45	1°42	21° 0	10° 3	S 20
M21	16 21 29	6°11'02	23°38	26°18	3°23	13° 4	28°41	7°34	25°19	4°31	16° 5	1°39	1°39	21° 7	10° 5	M21
T 22	16 25 26	7° 8'21	5♏57	27°55	4°36	13°41	28°51	7°41	25°22	4°32	16° 3	1°30	1°36	21°14	10° 7	T 22
W23	16 29 22	8° 5'39	18°31	29°29	5°50	14°18	29° 0	7°48	25°25	4°34	16° 1	1°19	1°33	21°20	10°10	W23
T 24	16 33 19	9° 2'56	1♐22	1♋ 0	7° 4	14°56	29° 9	7°55	25°28	4°35	16° 0	1° 6	1°30	21°27	10°12	T 24
F 25	16 37 15	10° 0'13	14°29	2°29	8°17	15°33	29°18	8° 2	25°30	4°37	15°58	0°54	1°27	21°34	10°15	F 25
S 26	16 41 12	10°57'29	27°51	3°55	9°31	16°10	29°27	8° 9	25°33	4°38	15°57	0°43	1°23	21°40	10°18	S 26
S 27	16 45 8	11°54'44	11♑25	5°18	10°45	16°47	29°35	8°16	25°36	4°39	15°55	0°33	1°20	21°47	10°20	S 27
M28	16 49 5	12°51'59	25° 9	6°38	11°58	17°25	29°44	8°23	25°38	4°41	15°54	0°27	1°17	21°54	10°23	M28
T 29	16 53 1	13°49'13	9♒ 1	7°55	13°12	18° 2	29°52	8°30	25°41	4°43	15°52	0°23	1°14	22° 0	10°26	T 29
W30	16 56 58	14°46'27	22°59	9°10	14°26	18°39	0♈ 1	8°36	25°43	4°44	15°50	0°22	1°11	22° 7	10°30	W30
T 31	17 0 55	15♊43'41	7♓ 2	10♋21	15♊39	19♋17	0♈ 9	8♉43	25♈46	4♎46	15♐49	0°D22	1♓ 7	22♍13	10♍33	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n59	23s24	2s53	16n53	0n 7	13n35	0s58	24n50	1n18	2s59	1s 9	11n13	2s10	8n58	0s32	19n22	0n 4	15s18	7n36	10s22	10s33	3n 5	3n42	4s36
W 2	17 15	18 58	1 49	17 41	0 18	14 0	0 57	24 50	1 18	2 54	1 9	11 16	2 10	8 59	0 32	19 22	0 5	15 18	7 36	10 23	10 34	3 2	3 43	4 35
T 3	17 31	13 27	0 37	18 26	0 28	14 25	0 55	24 50	1 18	2 50	1 10	11 18	2 10	9 0	0 32	19 22	0 5	15 18	7 36	10 23	10 35	2 58	3 44	4 34
F 4	17 47	7 9	0n38	19 11	0 38	14 49	0 53	24 49	1 18	2 46	1 10	11 21	2 10	9 1	0 32	19 22	0 5	15 17	7 36	10 23	10 36	2 55	3 44	4 33
S 5	18 3	0 26	1 51	19 53	0 48	15 13	0 51	24 48	1 18	2 41	1 10	11 23	2 10	9 2	0 32	19 21	0 5	15 17	7 36	10 23	10 38	2 52	3 45	4 33
S 6	18 18	6n22	2 58	20 33	0 58	15 37	0 49	24 47	1 18	2 37	1 10	11 26	2 10	9 3	0 32	19 21	0 5	15 17	7 36	10 25	10 39	2 48	3 45	4 32
M 7	18 32	12 52	3 54	21 11	1 7	16 0	0 47	24 46	1 18	2 33	1 10	11 28	2 11	9 5	0 32	19 21	0 5	15 17	7 36	10 27	10 40	2 45	3 46	4 31
T 8	18 47	18 38	4 34	21 47	1 16	16 23	0 45	24 45	1 18	2 29	1 11	11 31	2 11	9 6	0 32	19 21	0 5	15 17	7 36	10 30	10 41	2 42	3 46	4 30
W 9	19 1	23 17	4 56	22 20	1 24	16 46	0 43	24 43	1 18	2 25	1 11	11 33	2 11	9 7	0 32	19 20	0 5	15 17	7 36	10 34	10 42	2 38	3 47	4 30
T 10	19 15	26 28	5 0	22 51	1 32	17 8	0 40	24 41	1 18	2 21	1 11	11 36	2 11	9 8	0 32	19 20	0 5	15 17	7 36	10 38	10 43	2 35	3 47	4 29
F 11	19 29	27 57	4 46	23 19	1 39	17 29	0 38	24 39	1 18	2 17	1 11	11 38	2 11	9 9	0 32	19 20	0 5	15 16	7 36	10 42	10 44	2 31	3 47	4 28
S 12	19 42	27 44	4 16	23 44	1 45	17 51	0 36	24 37	1 18	2 13	1 11	11 40	2 11	9 10	0 32	19 20	0 5	15 16	7 36	10 46	10 46	2 28	3 47	4 27
S 13	19 55	25 58	3 33	24 7	1 51	18 11	0 34	24 35	1 18	2 9	1 12	11 43	2 11	9 11	0 32	19 19	0 5	15 16	7 36	10 48	10 47	2 25	3 48	4 27
M14	20 7	22 55	2 41	24 27	1 55	18 32	0 32	24 33	1 18	2 5	1 12	11 45	2 11	9 12	0 32	19 19	0 5	15 16	7 36	10 50	10 48	2 21	3 48	4 26
T 15	20 20	18 54	1 43	24 45	2 0	18 52	0 29	24 30	1 18	2 1	1 12	11 47	2 11	9 14	0 32	19 19	0 5	15 16	7 36	10 51	10 49	2 18	3 48	4 25
W16	20 32	14 11	0 41	25 0	2 3	19 11	0 27	24 27	1 18	1 57	1 12	11 50	2 11	9 15	0 32	19 19	0 5	15 16	7 36	10 51	10 50	2 14	3 48	4 24
T 17	20 43	9 1	0s22	25 12	2 6	19 30	0 25	24 24	1 18	1 53	1 13	11 52	2 11	9 16	0 33	19 18	0 5	15 16	7 36	10 51	10 51	2 11	3 48	4 24
F 18	20 54	3 34	1 23	25 22	2 7	19 48	0 23	24 21	1 18	1 50	1 13	11 54	2 11	9 17	0 33	19 18	0 5	15 16	7 36	10 51	10 52	2 8	3 48	4 23
S 19	21 5	2s 1	2 21	25 29	2 9	20 6	0 20	24 18	1 18	1 46	1 13	11 57	2 11	9 18	0 33	19 18	0 5	15 16	7 36	10 52	10 54	2 4	3 48	4 22
S 20	21 16	7 33	3 14	25 35	2 9	20 23	0 18	24 14	1 17	1 42	1 13	11 59	2 11	9 19	0 33	19 17	0 5	15 15	7 35	10 54	10 55	2 1	3 48	4 21
M21	21 26	12 53	3 58	25 38	2 9	20 40	0 16	24 11	1 17	1 39	1 13	12 1	2 11	9 20	0 33	19 17	0 5	15 15	7 35	10 56	10 56	1 57	3 48	4 21
T 22	21 35	17 49	4 32	25 39	2 7	20 56	0 13	24 7	1 17	1 35	1 14	12 3	2 11	9 21	0 33	19 17	0 5	15 15	7 35	10 59	10 57	1 54	3 48	4 20
W23	21 45	22 6	4 53	25 38	2 5	21 11	0 11	24 3	1 17	1 32	1 14	12 6	2 11	9 22	0 33	19 17	0 5	15 15	7 35	11 3	10 58	1 51	3 47	4 19
T 24	21 54	25 25	5 0	25 35	2 3	21 26	0 9	23 58	1 17	1 28	1 14	12 8	2 12	9 23	0 33	19 16	0 5	15 15	7 35	11 8	10 59	1 47	3 47	4 18
F 25	22 2	27 28	4 52	25 30	1 59	21 41	0 6	23 54	1 17	1 25	1 14	12 10	2 12	9 24	0 33	19 16	0 5	15 15	7 35	11 12	11 0	1 44	3 47	4 18
S 26	22 11	27 59	4 28	25 24	1 55	21 54	0 4	23 50	1 17	1 22	1 15	12 12	2 12	9 25	0 33	19 16	0 5	15 15	7 35	11 16	11 1	1 40	3 47	4 17
S 27	22 19	26 50	3 48	25 16	1 50	22 7	0 1	23 45	1 17	1 18	1 15	12 14	2 12	9 26	0 33	19 15	0 5	15 15	7 35	11 19	11 3	1 37	3 46	4 16
M28	22 26	24 3	2 55	25 7	1 45	22 20	0n 1	23 40	1 17	1 15	1 15	12 16	2 12	9 27	0 33	19 15	0 5	15 15	7 35	11 22	11 4	1 34	3 46	4 15
T 29	22 33	19 51	1 51	24 57	1 39	22 32	0 3	23 35	1 17	1 12	1 15	12 19	2 12	9 28	0 33	19 14	0 5	15 15	7 35	11 23	11 5	1 30	3 45	4 15
W30	22 40	14 32	0 39	24 45	1 32	22 43	0 6	23 30	1 17	1 9	1 16	12 21	2 12	9 28	0 33	19 14	0 5	15 15	7 35	11 23	11 6	1 27	3 45	4 14
T 31	22n46	8s25	0n35	24n32	1n24	22n54	0n 8	23n24	1n16	1s 6	1s16	12n23	2s12	9n29	0s33	19n14	0n 5	15s15	7n35	11s23	11s 7	1n24	3n44	4s13

Julian Day Number = 2182488.5, Delta T = 11m23s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'01, Lahiri = 13°35'01 Julian Calendar 1 May 1263 == Greg. Calendar 8 May 1263

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

JUNE 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 4 51	16♊40'54	21♓ 9	11♋29	16♊53	19♋54	0♈17	8♉50	25♈48	4♎47	15°R47	0°R22	1♓ 4	22♍20	10♍36	F 1
S 2	17 8 48	17°38'07	5♈19	12°34	18° 7	20°31	0°25	8°57	25°51	4°49	15♐46	0♓21	1° 1	22°27	10°40	S 2
S 3	17 12 44	18°35'21	19°31	13°36	19°20	21° 9	0°32	9° 3	25°53	4°50	15°44	0°18	0°58	22°33	10°43	S 3
M 4	17 16 41	19°32'34	3♉42	14°35	20°34	21°46	0°40	9°10	25°56	4°52	15°43	0°12	0°55	22°40	10°47	M 4
T 5	17 20 37	20°29'47	17°49	15°31	21°48	22°23	0°47	9°16	25°58	4°54	15°41	0° 4	0°52	22°47	10°51	T 5
W 6	17 24 34	21°26'59	1♊48	16°22	23° 1	23° 1	0°55	9°23	26° 0	4°56	15°40	29♒54	0°48	22°53	10°54	W 6
T 7	17 28 31	22°24'12	15°35	17°11	24°15	23°38	1° 2	9°29	26° 2	4°57	15°38	29°43	0°45	23° 0	10°58	T 7
F 8	17 32 27	23°21'25	29° 5	17°55	25°29	24°15	1° 9	9°35	26° 5	4°59	15°36	29°33	0°42	23° 7	11° 2	F 8
S 9	17 36 24	24°18'37	12♋17	18°36	26°43	24°53	1°16	9°42	26° 7	5° 1	15°35	29°24	0°39	23°13	11° 7	S 9
S 10	17 40 20	25°15'49	25° 9	19°13	27°56	25°30	1°23	9°48	26° 9	5° 3	15°33	29°17	0°36	23°20	11°11	S 10
M11	17 44 17	26°13'00	7♌42	19°46	29°10	26° 8	1°29	9°54	26°11	5° 4	15°32	29°12	0°33	23°27	11°15	M11
T 12	17 48 13	27°10'11	19°58	20°15	0♋24	26°45	1°35	10° 0	26°13	5° 6	15°30	29°10	0°29	23°33	11°20	T 12
W13	17 52 10	28° 7'22	2♍ 0	20°39	1°38	27°22	1°42	10° 6	26°15	5° 8	15°29	29°D10	0°26	23°40	11°24	W13
T 14	17 56 6	29° 4'32	13°54	20°59	2°51	28° 0	1°48	10°12	26°17	5°10	15°27	29°10	0°23	23°47	11°29	T 14
F 15	18 0 3	0♌ 1'42	25°43	21°15	4° 5	28°37	1°54	10°18	26°19	5°12	15°26	29°R11	0°20	23°53	11°33	F 15
S 16	18 4 0	0°58'52	7♎33	21°26	5°19	29°15	1°59	10°24	26°21	5°14	15°24	29°11	0°17	24° 0	11°38	S 16
S 17	18 7 56	1°56'02	19°31	21°32	6°33	29°52	2° 5	10°30	26°23	5°16	15°23	29° 9	0°13	24° 7	11°43	S 17
M18	18 11 53	2°53'11	1♏39	21°R34	7°46	0♌30	2°10	10°36	26°25	5°18	15°21	29° 5	0°10	24°13	11°48	M18
T 19	18 15 49	3°50'21	14° 3	21°30	9° 0	1° 7	2°16	10°42	26°27	5°19	15°20	29° 0	0° 7	24°20	11°53	T 19
W20	18 19 46	4°47'30	26°45	21°23	10°14	1°45	2°21	10°47	26°28	5°21	15°18	28°52	0° 4	24°27	11°58	W20
T 21	18 23 42	5°44'39	9♐48	21°10	11°28	2°22	2°26	10°53	26°30	5°23	15°17	28°44	0° 1	24°33	12° 3	T 21
F 22	18 27 39	6°41'49	23°11	20°54	12°41	3° 0	2°30	10°58	26°32	5°25	15°15	28°35	29♒58	24°40	12° 9	F 22
S 23	18 31 35	7°38'58	6♑53	20°32	13°55	3°37	2°35	11° 4	26°33	5°27	15°14	28°27	29°54	24°47	12°14	S 23
S 24	18 35 32	8°36'08	20°51	20° 7	15° 9	4°15	2°39	11° 9	26°35	5°29	15°13	28°21	29°51	24°53	12°20	S 24
M25	18 39 29	9°33'18	5♒ 0	19°38	16°23	4°52	2°44	11°14	26°36	5°31	15°11	28°16	29°48	25° 0	12°25	M25
T 26	18 43 25	10°30'29	19°17	19° 6	17°37	5°30	2°48	11°20	26°38	5°34	15°10	28°14	29°45	25° 7	12°31	T 26
W27	18 47 22	11°27'40	3♓36	18°31	18°50	6° 7	2°52	11°25	26°39	5°36	15° 8	28°D14	29°42	25°13	12°37	W27
T 28	18 51 18	12°24'51	17°54	17°54	20° 4	6°45	2°55	11°30	26°41	5°38	15° 7	28°15	29°39	25°20	12°42	T 28
F 29	18 55 15	13°22'03	2♈ 9	17°14	21°18	7°23	2°59	11°35	26°42	5°40	15° 6	28°16	29°35	25°27	12°48	F 29
S 30	18 59 11	14♋19'16	16♈19	16♋34	22♋32	8♌ 0	3♈ 2	11♉40	26♈43	5♎42	15♐ 4	28°R16	29♒32	25♍33	12♍54	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n52	1s52	1n48	24n18	1n16	23n 4	0n10	23n19	1n16	1s 3	1s16	12n25	2s12	9n30	0s33	19n13	0n 5	15s14	7n35	11s23	11s 8	1n20	3n44	4s12
S 2	22 58	4n47	2 54	24 3	1 7	23 13	0 13	23 13	1 16	1 0	1 16	12 27	2 12	9 31	0 33	19 13	0 5	15 14	7 34	11 24	11 9	1 17	3 43	4 12
S 3	23 3	11 12	3 50	23 48	0 58	23 22	0 15	23 7	1 16	0 57	1 17	12 29	2 12	9 32	0 33	19 13	0 5	15 14	7 34	11 25	11 11	1 13	3 42	4 11
M 4	23 7	17 3	4 31	23 31	0 47	23 29	0 17	23 1	1 16	0 54	1 17	12 31	2 13	9 33	0 33	19 12	0 5	15 14	7 34	11 27	11 12	1 10	3 42	4 10
T 5	23 12	21 56	4 56	23 14	0 37	23 37	0 20	22 55	1 16	0 52	1 17	12 33	2 13	9 34	0 33	19 12	0 5	15 14	7 34	11 30	11 13	1 7	3 41	4 10
W 6	23 16	25 32	5 2	22 57	0 25	23 43	0 22	22 49	1 16	0 49	1 17	12 35	2 13	9 34	0 33	19 11	0 5	15 14	7 34	11 33	11 14	1 3	3 40	4 9
T 7	23 19	27 34	4 51	22 39	0 14	23 49	0 24	22 42	1 16	0 46	1 18	12 37	2 13	9 35	0 33	19 11	0 5	15 14	7 34	11 37	11 15	1 0	3 39	4 8
F 8	23 22	27 56	4 24	22 21	0 1	23 54	0 27	22 35	1 15	0 44	1 18	12 38	2 13	9 36	0 33	19 11	0 5	15 14	7 34	11 41	11 16	0 56	3 38	4 8
S 9	23 25	26 40	3 43	22 3	0s12	23 59	0 29	22 29	1 15	0 41	1 18	12 40	2 13	9 37	0 33	19 10	0 5	15 14	7 34	11 44	11 17	0 53	3 37	4 7
S 10	23 27	24 0	2 51	21 44	0 25	24 2	0 31	22 22	1 15	0 39	1 18	12 42	2 13	9 38	0 33	19 10	0 5	15 14	7 33	11 46	11 18	0 50	3 36	4 6
M11	23 29	20 13	1 52	21 26	0 39	24 5	0 33	22 14	1 15	0 37	1 19	12 44	2 13	9 38	0 33	19 9	0 5	15 14	7 33	11 48	11 20	0 46	3 35	4 5
T 12	23 30	15 40	0 49	21 7	0 53	24 8	0 36	22 7	1 15	0 34	1 19	12 46	2 14	9 39	0 33	19 9	0 5	15 14	7 33	11 49	11 21	0 43	3 34	4 5
W13	23 31	10 34	0s15	20 49	1 8	24 9	0 38	22 0	1 15	0 32	1 19	12 48	2 14	9 40	0 33	19 8	0 5	15 14	7 33	11 49	11 22	0 39	3 33	4 4
T 14	23 32	5 10	1 18	20 32	1 23	24 10	0 40	21 52	1 15	0 30	1 20	12 49	2 14	9 41	0 33	19 8	0 5	15 14	7 33	11 48	11 23	0 36	3 32	4 3
F 15	23 32	0s23	2 17	20 14	1 38	24 10	0 42	21 44	1 15	0 28	1 20	12 51	2 14	9 41	0 33	19 8	0 5	15 14	7 33	11 48	11 24	0 33	3 31	4 3
S 16	23 32	5 56	3 11	19 57	1 53	24 10	0 44	21 36	1 14	0 26	1 20	12 53	2 14	9 42	0 33	19 7	0 5	15 14	7 32	11 48	11 25	0 29	3 30	4 2
S 17	23 31	11 18	3 56	19 41	2 9	24 8	0 46	21 28	1 14	0 24	1 20	12 54	2 14	9 43	0 33	19 7	0 5	15 14	7 32	11 49	11 26	0 26	3 29	4 1
M18	23 30	16 20	4 32	19 26	2 24	24 6	0 48	21 20	1 14	0 22	1 21	12 56	2 14	9 43	0 33	19 6	0 5	15 14	7 32	11 50	11 27	0 23	3 27	4 1
T 19	23 29	20 49	4 56	19 11	2 40	24 4	0 50	21 12	1 14	0 20	1 21	12 58	2 15	9 44	0 33	19 6	0 5	15 14	7 32	11 52	11 29	0 19	3 26	4 0
W20	23 27	24 28	5 6	18 57	2 55	24 0	0 52	21 3	1 14	0 18	1 21	12 59	2 15	9 44	0 33	19 5	0 5	15 14	7 32	11 55	11 30	0 16	3 25	3 59
T 21	23 25	26 58	5 0	18 44	3 10	23 56	0 54	20 54	1 14	0 17	1 21	13 1	2 15	9 45	0 33	19 5	0 5	15 14	7 32	11 58	11 31	0 12	3 23	3 59
F 22	23 22	28 0	4 39	18 33	3 24	23 51	0 56	20 46	1 13	0 15	1 22	13 2	2 15	9 46	0 33	19 4	0 5	15 14	7 31	12 1	11 32	0 9	3 22	3 58
S 23	23 19	27 22	4 1	18 22	3 38	23 46	0 58	20 37	1 13	0 13	1 22	13 4	2 15	9 46	0 33	19 4	0 5	15 14	7 31	12 4	11 33	0 6	3 20	3 58
S 24	23 15	25 0	3 7	18 13	3 51	23 39	0 59	20 28	1 13	0 12	1 22	13 5	2 15	9 47	0 33	19 3	0 5	15 14	7 31	12 6	11 34	0 2	3 19	3 57
M25	23 11	21 4	2 2	18 5	4 3	23 32	1 1	20 18	1 13	0 10	1 23	13 7	2 16	9 47	0 33	19 3	0 5	15 14	7 31	12 7	11 35	0s 1	3 17	3 56
T 26	23 7	15 52	0 48	17 59	4 14	23 25	1 3	20 9	1 13	0 9	1 23	13 8	2 16	9 48	0 33	19 2	0 5	15 15	7 31	12 8	11 36	0 5	3 16	3 56
W27	23 2	9 47	0n29	17 54	4 24	23 16	1 5	19 59	1 13	0 8	1 23	13 10	2 16	9 48	0 33	19 2	0 5	15 15	7 30	12 8	11 38	0 8	3 14	3 55
T 28	22 57	3 12	1 44	17 50	4 32	23 7	1 6	19 50	1 12	0 7	1 24	13 11	2 16	9 49	0 33	19 1	0 5	15 15	7 30	12 8	11 39	0 11	3 12	3 54
F 29	22 52	3n30	2 53	17 48	4 40	22 57	1 8	19 40	1 12	0 6	1 24	13 13	2 16	9 49	0 33	19 1	0 5	15 15	7 30	12 7	11 40	0 15	3 11	3 54
S 30	22n46	9n59	3n51	17n47	4s45	22n47	1n 9	19n30	1n12	0s 4	1s24	13n14	2s16	9n50	0s33	19n 0	0n 5	15s15	7n30	12s 7	11s41	0s18	3n 9	3s53

Julian Day Number = 2182519.5, Delta T = 11m23s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'05, Lahiri = 13°35'06 Julian Calendar 1 June 1263 == Greg. Calendar 8 June 1263

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

JULY 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 3 8	15♋16'30	0♉21	15°R53	23♋46	8♌38	3♈ 5	11♉45	26♈45	5♌44	15°R 3	28°R15	29♒29	25♍40	13♍ 0	S 1
M 2	19 7 4	16°13'45	14°16	15♋13	24°59	9°15	3° 8	11°49	26°46	5°46	15♐ 2	28♒13	29°26	25°47	13° 6	M 2
T 3	19 11 1	17°11'01	28° 1	14°33	26°13	9°53	3°11	11°54	26°47	5°48	15° 0	28° 8	29°23	25°53	13°12	T 3
W 4	19 14 58	18° 8'17	11♊35	13°55	27°27	10°31	3°14	11°59	26°48	5°50	14°59	28° 2	29°19	26° 0	13°19	W 4
T 5	19 18 54	19° 5'34	24°56	13°20	28°41	11° 8	3°16	12° 3	26°49	5°52	14°58	27°56	29°16	26° 7	13°25	T 5
F 6	19 22 51	20° 2'52	8♋ 3	12°48	29°55	11°46	3°18	12° 8	26°50	5°55	14°57	27°50	29°13	26°13	13°31	F 6
S 7	19 26 47	21° 0'11	20°55	12°19	1♌ 9	12°24	3°20	12°12	26°51	5°57	14°56	27°44	29°10	26°20	13°38	S 7
S 8	19 30 44	21°57'30	3♌31	11°55	2°23	13° 2	3°22	12°16	26°52	5°59	14°54	27°40	29° 7	26°27	13°44	S 8
M 9	19 34 40	22°54'50	15°54	11°35	3°36	13°39	3°24	12°21	26°53	6° 1	14°53	27°38	29° 4	26°33	13°51	M 9
T 10	19 38 37	23°52'11	28° 3	11°20	4°50	14°17	3°25	12°25	26°54	6° 3	14°52	27°D37	29° 0	26°40	13°58	T 10
W11	19 42 34	24°49'32	10♍ 2	11°11	6° 4	14°55	3°26	12°29	26°54	6° 5	14°51	27°38	28°57	26°47	14° 4	W11
T 12	19 46 30	25°46'54	21°53	11°D 8	7°18	15°33	3°27	12°33	26°55	6° 8	14°50	27°40	28°54	26°53	14°11	T 12
F 13	19 50 27	26°44'16	3♎42	11°10	8°32	16°10	3°28	12°37	26°56	6°10	14°49	27°41	28°51	27° 0	14°18	F 13
S 14	19 54 23	27°41'39	15°32	11°19	9°46	16°48	3°29	12°40	26°56	6°12	14°48	27°43	28°48	27° 6	14°25	S 14
S 15	19 58 20	28°39'03	27°29	11°35	11° 0	17°26	3°29	12°44	26°57	6°14	14°47	27°R43	28°45	27°13	14°32	S 15
M16	20 2 16	29°36'28	9♏37	11°56	12°14	18° 4	3°29	12°48	26°58	6°16	14°46	27°43	28°41	27°20	14°39	M16
T 17	20 6 13	0♌33'53	22° 2	12°24	13°27	18°42	3°R29	12°51	26°58	6°19	14°45	27°41	28°38	27°26	14°46	T 17
W18	20 10 9	1°31'19	4♐46	12°59	14°41	19°20	3°29	12°55	26°59	6°21	14°44	27°39	28°35	27°33	14°53	W18
T 19	20 14 6	2°28'46	17°53	13°40	15°55	19°57	3°29	12°58	26°59	6°23	14°43	27°35	28°32	27°40	15° 0	T 19
F 20	20 18 3	3°26'14	1♑24	14°27	17° 9	20°35	3°28	13° 1	26°59	6°25	14°42	27°32	28°29	27°46	15° 8	F 20
S 21	20 21 59	4°23'42	15°18	15°21	18°23	21°13	3°28	13° 4	27° 0	6°28	14°41	27°28	28°25	27°53	15°15	S 21
S 22	20 25 56	5°21'12	29°34	16°21	19°37	21°51	3°27	13° 7	27° 0	6°30	14°40	27°26	28°22	28° 0	15°22	S 22
M23	20 29 52	6°18'43	14♒ 5	17°27	20°51	22°29	3°26	13°10	27° 0	6°32	14°39	27°24	28°19	28° 6	15°30	M23
T 24	20 33 49	7°16'15	28°46	18°38	22° 4	23° 7	3°24	13°13	27° 0	6°34	14°39	27°D24	28°16	28°13	15°37	T 24
W25	20 37 45	8°13'48	13♓31	19°55	23°18	23°45	3°23	13°16	27° 0	6°36	14°38	27°25	28°13	28°20	15°45	W25
T 26	20 41 42	9°11'22	28°12	21°18	24°32	24°23	3°21	13°18	27°R 0	6°39	14°37	27°26	28°10	28°26	15°52	T 26
F 27	20 45 38	10° 8'58	12♈44	22°45	25°46	25° 1	3°19	13°21	27° 0	6°41	14°36	27°27	28° 6	28°33	16° 0	F 27
S 28	20 49 35	11° 6'36	27° 4	24°18	27° 0	25°39	3°17	13°23	27° 0	6°43	14°36	27°28	28° 3	28°40	16° 8	S 28
S 29	20 53 32	12° 4'15	11♉ 8	25°54	28°14	26°17	3°15	13°26	27° 0	6°45	14°35	27°R28	28° 0	28°46	16°15	S 29
M30	20 57 28	13° 1'56	24°56	27°35	29°28	26°55	3°12	13°28	27° 0	6°48	14°34	27°28	27°57	28°53	16°23	M30
T 31	21 1 25	13♌59'39	8♊27	29♋19	0♍42	27♌34	3♈10	13♉30	27♈ 0	6♌50	14♐34	27♒27	27♒54	29♍ 0	16♍31	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n40	15n55	4n34	17n48	4s49	22n36	1n11	19n20	1n12	0s 3	1s24	13n15	2s17	9n50	0s33	19n 0	0n 5	15s15	7n29	12s 8	11s42	0s21	3n 7	3s53
M 2	22 33	20 58	5 1	17 50	4 52	22 24	1 12	19 10	1 12	0 3	1 25	13 17	2 17	9 51	0 33	18 59	0 5	15 15	7 29	12 9	11 43	0 25	3 6	3 52
T 3	22 26	24 49	5 10	17 54	4 52	22 12	1 13	18 59	1 11	0 2	1 25	13 18	2 17	9 51	0 33	18 59	0 5	15 15	7 29	12 10	11 44	0 28	3 4	3 52
W 4	22 18	27 14	5 1	17 59	4 51	21 59	1 15	18 49	1 11	0 1	1 25	13 19	2 17	9 51	0 33	18 58	0 5	15 15	7 29	12 12	11 45	0 32	3 2	3 51
T 5	22 10	28 2	4 36	18 5	4 49	21 45	1 16	18 38	1 11	0 0	1 26	13 20	2 17	9 52	0 33	18 58	0 5	15 15	7 29	12 14	11 46	0 35	3 0	3 50
F 6	22 2	27 14	3 57	18 12	4 44	21 31	1 17	18 28	1 11	0n 0	1 26	13 21	2 17	9 52	0 33	18 57	0 5	15 15	7 28	12 17	11 48	0 38	2 58	3 50
S 7	21 53	24 59	3 7	18 21	4 38	21 16	1 18	18 17	1 11	0 1	1 26	13 23	2 18	9 52	0 33	18 57	0 5	15 16	7 28	12 18	11 49	0 42	2 56	3 49
S 8	21 44	21 31	2 8	18 30	4 31	21 0	1 19	18 6	1 11	0 1	1 27	13 24	2 18	9 53	0 33	18 56	0 5	15 16	7 28	12 20	11 50	0 45	2 54	3 49
M 9	21 35	17 9	1 4	18 41	4 22	20 44	1 20	17 55	1 10	0 2	1 27	13 25	2 18	9 53	0 33	18 56	0 5	15 16	7 28	12 21	11 51	0 48	2 52	3 48
T 10	21 25	12 10	0s 2	18 52	4 12	20 27	1 21	17 44	1 10	0 2	1 27	13 26	2 18	9 53	0 33	18 55	0 5	15 16	7 27	12 21	11 52	0 52	2 50	3 48
W11	21 15	6 48	1 7	19 4	4 1	20 10	1 22	17 32	1 10	0 2	1 27	13 27	2 18	9 54	0 33	18 55	0 5	15 16	7 27	12 21	11 53	0 55	2 48	3 47
T 12	21 5	1 15	2 9	19 17	3 48	19 52	1 23	17 21	1 10	0 2	1 28	13 28	2 19	9 54	0 33	18 54	0 5	15 16	7 27	12 20	11 54	0 59	2 46	3 47
F 13	20 54	4s18	3 5	19 29	3 35	19 33	1 24	17 9	1 9	0 2	1 28	13 29	2 19	9 54	0 34	18 54	0 5	15 16	7 26	12 19	11 55	1 2	2 44	3 46
S 14	20 42	9 43	3 53	19 43	3 21	19 14	1 25	16 58	1 9	0 2	1 28	13 30	2 19	9 54	0 34	18 53	0 5	15 17	7 26	12 19	11 56	1 5	2 42	3 45
S 15	20 31	14 50	4 32	19 56	3 7	18 55	1 25	16 46	1 9	0 2	1 29	13 31	2 19	9 54	0 34	18 52	0 5	15 17	7 26	12 19	11 58	1 9	2 39	3 45
M16	20 19	19 28	4 59	20 9	2 52	18 35	1 26	16 34	1 9	0 2	1 29	13 32	2 19	9 55	0 34	18 52	0 5	15 17	7 26	12 19	11 59	1 12	2 37	3 44
T 17	20 7	23 22	5 12	20 22	2 36	18 14	1 27	16 22	1 9	0 2	1 29	13 32	2 20	9 55	0 34	18 51	0 5	15 17	7 25	12 20	12 0	1 15	2 35	3 44
W18	19 54	26 17	5 12	20 34	2 20	17 53	1 27	16 10	1 8	0 1	1 30	13 33	2 20	9 55	0 34	18 51	0 5	15 17	7 25	12 20	12 1	1 19	2 33	3 43
T 19	19 41	27 52	4 55	20 46	2 5	17 31	1 27	15 58	1 8	0 1	1 30	13 34	2 20	9 55	0 34	18 50	0 5	15 17	7 25	12 22	12 2	1 22	2 30	3 43
F 20	19 28	27 53	4 21	20 57	1 49	17 9	1 28	15 46	1 8	0 1	1 30	13 35	2 20	9 55	0 34	18 50	0 5	15 18	7 25	12 23	12 3	1 25	2 28	3 42
S 21	19 14	26 9	3 31	21 7	1 33	16 46	1 28	15 33	1 8	0s 0	1 30	13 36	2 21	9 55	0 34	18 49	0 5	15 18	7 24	12 24	12 4	1 29	2 26	3 42
S 22	19 0	22 44	2 27	21 15	1 17	16 23	1 28	15 21	1 7	0 1	1 31	13 36	2 21	9 55	0 34	18 49	0 5	15 18	7 24	12 25	12 5	1 32	2 23	3 41
M23	18 46	17 50	1 13	21 23	1 2	16 0	1 28	15 8	1 7	0 1	1 31	13 37	2 21	9 55	0 34	18 48	0 5	15 18	7 24	12 25	12 6	1 36	2 21	3 41
T 24	18 32	11 50	0n 8	21 28	0 46	15 36	1 28	14 55	1 7	0 2	1 31	13 38	2 21	9 55	0 34	18 48	0 5	15 18	7 23	12 25	12 8	1 39	2 18	3 40
W25	18 17	5 9	1 28	21 32	0 32	15 12	1 28	14 42	1 7	0 3	1 32	13 38	2 21	9 55	0 34	18 47	0 5	15 19	7 23	12 25	12 9	1 42	2 16	3 40
T 26	18 2	1n45	2 42	21 34	0 17	14 47	1 28	14 29	1 7	0 4	1 32	13 39	2 22	9 55	0 34	18 46	0 5	15 19	7 23	12 25	12 10	1 46	2 13	3 40
F 27	17 46	8 30	3 45	21 33	0 4	14 22	1 28	14 16	1 6	0 5	1 32	13 39	2 22	9 55	0 34	18 46	0 5	15 19	7 22	12 25	12 11	1 49	2 11	3 39
S 28	17 31	14 42	4 33	21 30	0n10	13 56	1 28	14 3	1 6	0 6	1 32	13 40	2 22	9 55	0 34	18 45	0 5	15 19	7 22	12 24	12 12	1 52	2 8	3 39
S 29	17 15	20 2	5 4	21 25	0 22	13 31	1 28	13 50	1 6	0 7	1 33	13 40	2 22	9 55	0 34	18 45	0 5	15 19	7 22	12 24	12 13	1 56	2 6	3 38
M30	16 58	24 11	5 16	21 17	0 34	13 4	1 27	13 37	1 6	0 9	1 33	13 41	2 23	9 55	0 34	18 44	0 5	15 20	7 22	12 24	12 14	1 59	2 3	3 38
T 31	16n42	26n55	5n11	21n 6	0n44	12n38	1n27	13n23	1n 5	0s10	1s33	13n41	2s23	9n55	0s34	18n44	0n 5	15s20	7n21	12s24	12s15	2s 2	2n 0	3s37

Julian Day Number = 2182549.5, Delta T = 11m23s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'09, Lahiri = 13°35'10 Julian Calendar 1 July 1263 == Greg. Calendar 8 July 1263

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

AUGUST 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 5 21	14♌57'23	21♊42	1♌ 7	1♍55	28♌12	3°R 7	13♉32	26°R59	6♌52	14°R33	27°R26	27♒51	29♍ 6	16♍39	W 1
T 2	21 9 18	15°55'09	4♋41	2°58	3° 9	28°50	3♈ 4	13°34	26♈59	6°54	14♐33	27♒24	27°47	29°13	16°47	T 2
F 3	21 13 14	16°52'57	17°27	4°51	4°23	29°28	3° 0	13°36	26°59	6°56	14°32	27°22	27°44	29°20	16°55	F 3
S 4	21 17 11	17°50'46	29°59	6°45	5°37	0♍ 6	2°57	13°38	26°58	6°59	14°32	27°21	27°41	29°26	17° 3	S 4
S 5	21 21 7	18°48'37	12♌18	8°42	6°51	0°44	2°53	13°39	26°58	7° 1	14°31	27°21	27°38	29°33	17°11	S 5
M 6	21 25 4	19°46'29	24°28	10°40	8° 5	1°23	2°49	13°41	26°57	7° 3	14°31	27°D20	27°35	29°40	17°19	M 6
T 7	21 29 1	20°44'23	6♍28	12°38	9°19	2° 1	2°45	13°42	26°57	7° 5	14°30	27°20	27°31	29°46	17°27	T 7
W 8	21 32 57	21°42'18	18°22	14°37	10°33	2°39	2°41	13°44	26°56	7° 7	14°30	27°21	27°28	29°53	17°35	W 8
T 9	21 36 54	22°40'14	0♎12	16°36	11°46	3°18	2°37	13°45	26°56	7°10	14°30	27°21	27°25	29°59	17°43	T 9
F 10	21 40 50	23°38'12	12° 0	18°36	13° 0	3°56	2°32	13°46	26°55	7°12	14°29	27°22	27°22	0♎ 6	17°51	F 10
S 11	21 44 47	24°36'12	23°50	20°35	14°14	4°34	2°28	13°47	26°54	7°14	14°29	27°22	27°19	0°13	18° 0	S 11
S 12	21 48 43	25°34'13	5♏46	22°33	15°28	5°13	2°23	13°48	26°53	7°16	14°29	27°22	27°16	0°20	18° 8	S 12
M13	21 52 40	26°32'15	17°53	24°31	16°42	5°51	2°18	13°49	26°53	7°18	14°29	27°22	27°12	0°26	18°16	M13
T 14	21 56 36	27°30'19	0♐15	26°28	17°56	6°29	2°12	13°49	26°52	7°20	14°28	27°22	27° 9	0°33	18°24	T 14
W15	22 0 33	28°28'24	12°55	28°24	19° 9	7° 8	2° 7	13°50	26°51	7°22	14°28	27°22	27° 6	0°40	18°33	W15
T 16	22 4 30	29°26'31	25°58	0♍20	20°23	7°46	2° 2	13°50	26°50	7°24	14°28	27°22	27° 3	0°46	18°41	T 16
F 17	22 8 26	0♍24'39	9♑27	2°14	21°37	8°25	1°56	13°51	26°49	7°27	14°28	27°23	27° 0	0°53	18°50	F 17
S 18	22 12 23	1°22'49	23°23	4° 7	22°51	9° 3	1°50	13°51	26°48	7°29	14°28	27°23	26°56	1° 0	18°58	S 18
S 19	22 16 19	2°21'00	7♒43	5°59	24° 5	9°42	1°44	13°51	26°47	7°31	14°D28	27°23	26°53	1° 6	19° 7	S 19
M20	22 20 16	3°19'13	22°26	7°51	25°18	10°20	1°38	13°R51	26°46	7°33	14°28	27°R24	26°50	1°13	19°15	M20
T 21	22 24 12	4°17'28	7♓24	9°40	26°32	10°59	1°32	13°51	26°44	7°35	14°28	27°24	26°47	1°20	19°23	T 21
W22	22 28 9	5°15'44	22°30	11°29	27°46	11°38	1°25	13°51	26°43	7°37	14°28	27°23	26°44	1°26	19°32	W22
T 23	22 32 5	6°14'03	7♈34	13°17	29° 0	12°16	1°19	13°50	26°42	7°39	14°28	27°22	26°41	1°33	19°41	T 23
F 24	22 36 2	7°12'23	22°28	15° 3	0♎13	12°55	1°12	13°50	26°41	7°41	14°28	27°21	26°37	1°40	19°49	F 24
S 25	22 39 58	8°10'45	7♉ 5	16°49	1°27	13°33	1° 6	13°49	26°39	7°43	14°28	27°20	26°34	1°47	19°58	S 25
S 26	22 43 55	9° 9'10	21°20	18°33	2°41	14°12	0°59	13°49	26°38	7°45	14°29	27°19	26°31	1°53	20° 6	S 26
M27	22 47 52	10° 7'37	5♊11	20°16	3°54	14°51	0°52	13°48	26°36	7°47	14°29	27°D19	26°28	2° 0	20°15	M27
T 28	22 51 48	11° 6'06	18°39	21°58	5° 8	15°30	0°45	13°47	26°35	7°49	14°29	27°19	26°25	2° 7	20°23	T 28
W29	22 55 45	12° 4'38	1♋44	23°39	6°22	16° 8	0°37	13°46	26°33	7°51	14°29	27°19	26°22	2°13	20°32	W29
T 30	22 59 41	13° 3'12	14°30	25°19	7°35	16°47	0°30	13°45	26°32	7°52	14°30	27°21	26°18	2°20	20°41	T 30
F 31	23 3 38	14♍ 1'48	27♋ 0	26♍58	8♎49	17♍26	0♈23	13♉44	26♈30	7♌54	14♐30	27♒22	26♒15	2♎27	20♍49	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n25	28n 4	4n49	20n53	0n54	12n11	1n27	13n10	1n 5	0s11	1s34	13n42	2s23	9n55	0s34	18n43	0n 5	15s20	7n21	12s25	12s16	2s 6	1n58	3s37
T 2	16 8	27 39	4 12	20 36	1 4	11 44	1 26	12 56	1 5	0 13	1 34	13 42	2 23	9 55	0 34	18 43	0 5	15 20	7 21	12 25	12 17	2 9	1 55	3 36
F 3	15 50	25 45	3 24	20 18	1 12	11 16	1 25	12 43	1 4	0 14	1 34	13 42	2 23	9 55	0 34	18 42	0 5	15 21	7 20	12 26	12 19	2 13	1 52	3 36
S 4	15 33	22 37	2 26	19 56	1 19	10 48	1 25	12 29	1 4	0 16	1 34	13 43	2 24	9 54	0 34	18 41	0 5	15 21	7 20	12 26	12 20	2 16	1 50	3 36
S 5	15 15	18 30	1 22	19 32	1 26	10 20	1 24	12 15	1 4	0 18	1 35	13 43	2 24	9 54	0 34	18 41	0 5	15 21	7 20	12 27	12 21	2 19	1 47	3 35
M 6	14 57	13 40	0 16	19 6	1 31	9 52	1 23	12 1	1 4	0 19	1 35	13 43	2 24	9 54	0 34	18 40	0 5	15 22	7 19	12 27	12 22	2 23	1 44	3 35
T 7	14 38	8 23	0s51	18 37	1 36	9 23	1 22	11 47	1 3	0 21	1 35	13 43	2 24	9 54	0 34	18 40	0 5	15 22	7 19	12 27	12 23	2 26	1 41	3 34
W 8	14 20	2 52	1 54	18 6	1 39	8 54	1 21	11 33	1 3	0 23	1 35	13 43	2 25	9 54	0 34	18 39	0 5	15 22	7 19	12 27	12 24	2 29	1 39	3 34
T 9	14 1	2s43	2 53	17 33	1 42	8 25	1 20	11 19	1 3	0 25	1 36	13 44	2 25	9 53	0 34	18 39	0 6	15 22	7 18	12 26	12 25	2 33	1 36	3 34
F 10	13 42	8 11	3 43	16 58	1 45	7 55	1 19	11 5	1 3	0 27	1 36	13 44	2 25	9 53	0 34	18 38	0 6	15 23	7 18	12 26	12 26	2 36	1 33	3 33
S 11	13 22	13 23	4 25	16 22	1 46	7 26	1 18	10 50	1 2	0 29	1 36	13 44	2 25	9 53	0 34	18 38	0 6	15 23	7 18	12 26	12 27	2 39	1 30	3 33
S 12	13 3	18 8	4 55	15 44	1 47	6 56	1 17	10 36	1 2	0 31	1 36	13 44	2 25	9 53	0 34	18 37	0 6	15 23	7 17	12 26	12 28	2 43	1 27	3 32
M13	12 43	22 14	5 13	15 5	1 47	6 26	1 16	10 22	1 2	0 34	1 37	13 44	2 26	9 52	0 34	18 37	0 6	15 24	7 17	12 26	12 29	2 46	1 24	3 32
T 14	12 23	25 27	5 17	14 24	1 46	5 56	1 14	10 7	1 1	0 36	1 37	13 44	2 26	9 52	0 34	18 36	0 6	15 24	7 17	12 26	12 31	2 49	1 21	3 32
W15	12 3	27 30	5 6	13 43	1 45	5 26	1 13	9 52	1 1	0 38	1 37	13 44	2 26	9 52	0 34	18 36	0 6	15 24	7 16	12 26	12 32	2 53	1 18	3 31
T 16	11 43	28 7	4 39	13 0	1 43	4 55	1 11	9 38	1 1	0 41	1 37	13 44	2 26	9 51	0 34	18 35	0 6	15 24	7 16	12 26	12 33	2 56	1 15	3 31
F 17	11 22	27 7	3 56	12 17	1 40	4 24	1 10	9 23	1 1	0 43	1 37	13 44	2 27	9 51	0 34	18 35	0 6	15 25	7 16	12 26	12 34	2 59	1 13	3 31
S 18	11 2	24 25	2 58	11 33	1 37	3 54	1 8	9 8	1 0	0 46	1 38	13 43	2 27	9 50	0 34	18 34	0 6	15 25	7 15	12 26	12 35	3 3	1 10	3 30
S 19	10 41	20 8	1 47	10 48	1 34	3 23	1 7	8 53	1 0	0 48	1 38	13 43	2 27	9 50	0 34	18 34	0 6	15 25	7 15	12 26	12 36	3 6	1 7	3 30
M20	10 20	14 32	0 28	10 4	1 30	2 52	1 5	8 39	1 0	0 51	1 38	13 43	2 27	9 50	0 34	18 33	0 6	15 26	7 15	12 26	12 37	3 9	1 4	3 30
T 21	9 59	7 58	0n55	9 18	1 26	2 21	1 3	8 24	0 59	0 53	1 38	13 43	2 27	9 49	0 34	18 32	0 6	15 26	7 14	12 26	12 38	3 13	1 1	3 29
W22	9 37	0 56	2 15	8 33	1 22	1 50	1 1	8 9	0 59	0 56	1 38	13 43	2 28	9 49	0 34	18 32	0 6	15 26	7 14	12 26	12 39	3 16	0 57	3 29
T 23	9 16	6n 9	3 25	7 47	1 17	1 19	1 0	7 53	0 59	0 59	1 39	13 42	2 28	9 48	0 34	18 31	0 6	15 27	7 14	12 26	12 40	3 19	0 54	3 29
F 24	8 54	12 48	4 20	7 1	1 12	0 47	0 58	7 38	0 58	1 2	1 39	13 42	2 28	9 48	0 34	18 31	0 6	15 27	7 13	12 26	12 41	3 23	0 51	3 28
S 25	8 32	18 36	4 57	6 15	1 6	0 16	0 56	7 23	0 58	1 5	1 39	13 42	2 28	9 47	0 34	18 30	0 6	15 28	7 13	12 27	12 43	3 26	0 48	3 28
S 26	8 10	23 14	5 15	5 28	1 0	0s15	0 54	7 8	0 58	1 7	1 39	13 41	2 29	9 47	0 34	18 30	0 6	15 28	7 13	12 27	12 44	3 29	0 45	3 28
M27	7 48	26 24	5 14	4 42	0 54	0 46	0 51	6 53	0 58	1 10	1 39	13 41	2 29	9 46	0 34	18 29	0 6	15 28	7 12	12 27	12 45	3 33	0 42	3 27
T 28	7 26	27 57	4 55	3 56	0 48	1 18	0 49	6 37	0 57	1 13	1 39	13 40	2 29	9 46	0 34	18 29	0 6	15 29	7 12	12 27	12 46	3 36	0 39	3 27
W29	7 4	27 53	4 22	3 10	0 42	1 49	0 47	6 22	0 57	1 16	1 40	13 40	2 29	9 45	0 34	18 29	0 6	15 29	7 12	12 27	12 47	3 39	0 36	3 27
T 30	6 41	26 19	3 36	2 24	0 35	2 20	0 45	6 6	0 57	1 19	1 40	13 39	2 29	9 44	0 34	18 28	0 6	15 29	7 11	12 27	12 48	3 43	0 33	3 27
F 31	6n18	23n28	2n40	1n39	0n29	2s52	0n43	5n51	0n56	1s22	1s40	13n39	2s30	9n44	0s34	18n28	0n 6	15s30	7n11	12s26	12s49	3s46	0n30	3s26

Julian Day Number = 2182580.5, Delta T = 11m23s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'14, Lahiri = 13°35'14 Julian Calendar 1 Aug. 1263 == Greg. Calendar 8 Aug. 1263

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

SEPTEMBER 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 7 34	15♍ 0'26	9♌16	28♍36	10♎ 3	18♍ 5	0°R15	13°R43	26°R29	7♌56	14♐31	27♒23	26♒12	2♎33	20♍58	S 1
S 2	23 11 31	15°59'06	21°22	0♎13	11°16	18°44	0♈ 8	13♉41	26♈27	7°58	14°31	27°R24	26° 9	2°40	21° 7	S 2
M 3	23 15 28	16°57'48	3♍20	1°49	12°30	19°23	0° 0	13°40	26°25	8° 0	14°31	27°24	26° 6	2°47	21°15	M 3
T 4	23 19 24	17°56'32	15°13	3°23	13°44	20° 2	29♓52	13°38	26°23	8° 2	14°32	27°23	26° 2	2°53	21°24	T 4
W 5	23 23 21	18°55'18	27° 3	4°57	14°57	20°41	29°45	13°37	26°22	8° 4	14°32	27°21	25°59	3° 0	21°33	W 5
T 6	23 27 17	19°54'06	8♎51	6°30	16°11	21°20	29°37	13°35	26°20	8° 5	14°33	27°18	25°56	3° 7	21°41	T 6
F 7	23 31 14	20°52'56	20°41	8° 2	17°25	21°59	29°29	13°33	26°18	8° 7	14°34	27°14	25°53	3°13	21°50	F 7
S 8	23 35 10	21°51'48	2♏34	9°33	18°38	22°38	29°21	13°31	26°16	8° 9	14°34	27°10	25°50	3°20	21°59	S 8
S 9	23 39 7	22°50'42	14°32	11° 3	19°52	23°17	29°13	13°29	26°14	8°10	14°35	27° 6	25°47	3°27	22° 8	S 9
M10	23 43 3	23°49'38	26°40	12°33	21° 5	23°56	29° 5	13°27	26°12	8°12	14°35	27° 2	25°43	3°33	22°16	M10
T 11	23 47 0	24°48'36	9♐ 0	14° 1	22°19	24°35	28°57	13°24	26°10	8°14	14°36	27° 0	25°40	3°40	22°25	T 11
W12	23 50 56	25°47'35	21°37	15°28	23°32	25°14	28°49	13°22	26° 8	8°15	14°37	26°D59	25°37	3°47	22°34	W12
T 13	23 54 53	26°46'37	4♑33	16°54	24°46	25°53	28°41	13°19	26° 6	8°17	14°38	26°59	25°34	3°53	22°42	T 13
F 14	23 58 50	27°45'40	17°53	18°20	25°59	26°33	28°33	13°17	26° 4	8°19	14°38	27° 0	25°31	4° 0	22°51	F 14
S 15	0 2 46	28°44'45	1♒40	19°44	27°13	27°12	28°25	13°14	26° 2	8°20	14°39	27° 2	25°28	4° 7	23° 0	S 15
S 16	0 6 43	29°43'51	15°53	21° 7	28°26	27°51	28°17	13°11	26° 0	8°22	14°40	27° 3	25°24	4°13	23° 8	S 16
M17	0 10 39	0♎43'00	0♓31	22°29	29°40	28°31	28° 9	13° 8	25°58	8°23	14°41	27°R 3	25°21	4°20	23°17	M17
T 18	0 14 36	1°42'10	15°31	23°50	0♏53	29°10	28° 1	13° 6	25°56	8°25	14°42	27° 2	25°18	4°27	23°26	T 18
W19	0 18 32	2°41'22	0♈44	25°10	2° 7	29°49	27°53	13° 2	25°53	8°26	14°43	26°59	25°15	4°33	23°34	W19
T 20	0 22 29	3°40'37	16° 1	26°29	3°20	0♎29	27°45	12°59	25°51	8°28	14°44	26°55	25°12	4°40	23°43	T 20
F 21	0 26 25	4°39'53	1♉12	27°46	4°33	1° 8	27°37	12°56	25°49	8°29	14°45	26°49	25° 8	4°47	23°52	F 21
S 22	0 30 22	5°39'12	16° 5	29° 2	5°47	1°47	27°29	12°53	25°47	8°31	14°46	26°44	25° 5	4°53	24° 0	S 22
S 23	0 34 19	6°38'33	0♊35	0♏17	7° 0	2°27	27°21	12°49	25°44	8°32	14°47	26°38	25° 2	5° 0	24° 9	S 23
M24	0 38 15	7°37'57	14°37	1°30	8°13	3° 6	27°13	12°46	25°42	8°33	14°48	26°34	24°59	5° 7	24°18	M24
T 25	0 42 12	8°37'23	28° 9	2°41	9°27	3°46	27° 5	12°42	25°40	8°35	14°49	26°32	24°56	5°13	24°26	T 25
W26	0 46 8	9°36'51	11♋15	3°51	10°40	4°26	26°58	12°39	25°37	8°36	14°50	26°D32	24°53	5°20	24°35	W26
T 27	0 50 5	10°36'21	23°57	4°59	11°53	5° 5	26°50	12°35	25°35	8°37	14°52	26°32	24°49	5°27	24°43	T 27
F 28	0 54 1	11°35'54	6♌19	6° 4	13° 7	5°45	26°43	12°31	25°33	8°38	14°53	26°34	24°46	5°33	24°52	F 28
S 29	0 57 58	12°35'30	18°27	7° 8	14°20	6°25	26°35	12°28	25°30	8°40	14°54	26°35	24°43	5°40	25° 0	S 29
S 30	1 1 54	13♎35'07	0♍24	8♏ 9	15♏33	7♎ 4	26♓28	12♉24	25♈28	8♌41	14♐55	26°R35	24♒40	5♎47	25♍ 9	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n56	19n36	1n39	0n53	0n22	3s23	0n40	5n35	0n56	1s25	1s40	13n38	2s30	9n43	0s34	18n27	0n 6	15s30	7n11	12s26	12s50	3s49	0n26	3s26
S 2	5 33	14 58	0 33	0 8	0 15	3 54	0 38	5 20	0 56	1 29	1 40	13 38	2 30	9 43	0 35	18 27	0 6	15 30	7 10	12 25	12 51	3 53	0 23	3 26
M 3	5 10	9 49	0s33	0s36	0 8	4 25	0 35	5 4	0 55	1 32	1 40	13 37	2 30	9 42	0 35	18 26	0 6	15 31	7 10	12 25	12 52	3 56	0 20	3 25
T 4	4 47	4 22	1 37	1 21	0 0	4 56	0 33	4 48	0 55	1 35	1 40	13 36	2 30	9 41	0 35	18 26	0 6	15 31	7 10	12 26	12 53	3 59	0 17	3 25
W 5	4 24	1s13	2 36	2 5	0s 7	5 27	0 30	4 33	0 55	1 38	1 40	13 36	2 31	9 41	0 35	18 25	0 6	15 32	7 9	12 27	12 54	4 2	0 14	3 25
T 6	4 1	6 43	3 29	2 49	0 14	5 58	0 28	4 17	0 54	1 41	1 40	13 35	2 31	9 40	0 35	18 25	0 6	15 32	7 9	12 28	12 56	4 6	0 10	3 25
F 7	3 38	12 0	4 12	3 32	0 22	6 28	0 25	4 1	0 54	1 44	1 40	13 34	2 31	9 39	0 35	18 24	0 6	15 32	7 9	12 29	12 57	4 9	0 7	3 25
S 8	3 14	16 52	4 45	4 15	0 29	6 59	0 23	3 45	0 54	1 48	1 41	13 33	2 31	9 39	0 35	18 24	0 6	15 33	7 8	12 30	12 58	4 12	0 4	3 24
S 9	2 51	21 8	5 6	4 57	0 36	7 29	0 20	3 30	0 53	1 51	1 41	13 32	2 31	9 38	0 35	18 23	0 6	15 33	7 8	12 32	12 59	4 16	0 1	3 24
M10	2 28	24 34	5 14	5 39	0 44	8 0	0 17	3 14	0 53	1 54	1 41	13 32	2 32	9 37	0 35	18 23	0 6	15 34	7 8	12 33	13 0	4 19	0s 2	3 24
T 11	2 4	26 56	5 7	6 20	0 51	8 30	0 15	2 58	0 52	1 57	1 41	13 31	2 32	9 36	0 35	18 23	0 6	15 34	7 7	12 34	13 1	4 22	0 6	3 24
W12	1 41	28 1	4 45	7 1	0 59	9 0	0 12	2 42	0 52	2 1	1 41	13 30	2 32	9 36	0 35	18 22	0 6	15 34	7 7	12 34	13 2	4 26	0 9	3 23
T 13	1 17	27 36	4 9	7 41	1 6	9 29	0 9	2 26	0 52	2 4	1 41	13 29	2 32	9 35	0 35	18 22	0 6	15 35	7 7	12 34	13 3	4 29	0 12	3 23
F 14	0 54	25 36	3 18	8 21	1 13	9 59	0 6	2 10	0 51	2 7	1 41	13 28	2 32	9 34	0 35	18 21	0 6	15 35	7 6	12 34	13 4	4 32	0 15	3 23
S 15	0 30	22 3	2 14	9 0	1 21	10 28	0 3	1 54	0 51	2 10	1 41	13 27	2 33	9 33	0 35	18 21	0 6	15 36	7 6	12 33	13 5	4 36	0 19	3 23
S 16	0 6	17 6	1 1	9 38	1 28	10 57	0 0	1 38	0 51	2 14	1 41	13 26	2 33	9 33	0 35	18 21	0 6	15 36	7 6	12 33	13 6	4 39	0 22	3 23
M17	0s17	11 2	0n19	10 15	1 35	11 26	0s 2	1 22	0 50	2 17	1 41	13 25	2 33	9 32	0 35	18 20	0 6	15 36	7 5	12 33	13 7	4 42	0 25	3 22
T 18	0 41	4 13	1 39	10 52	1 42	11 55	0 5	1 6	0 50	2 20	1 41	13 24	2 33	9 31	0 35	18 20	0 6	15 37	7 5	12 33	13 8	4 45	0 28	3 22
W19	1 4	2n57	2 53	11 28	1 49	12 23	0 8	0 50	0 50	2 23	1 41	13 23	2 33	9 30	0 35	18 20	0 6	15 37	7 5	12 34	13 10	4 49	0 32	3 22
T 20	1 28	9 57	3 55	12 3	1 56	12 51	0 11	0 34	0 49	2 26	1 41	13 22	2 33	9 29	0 35	18 19	0 6	15 38	7 4	12 36	13 11	4 52	0 35	3 22
F 21	1 52	16 18	4 40	12 38	2 2	13 19	0 14	0 18	0 49	2 29	1 41	13 21	2 33	9 29	0 35	18 19	0 6	15 38	7 4	12 37	13 12	4 55	0 38	3 22
S 22	2 15	21 35	5 5	13 11	2 9	13 46	0 17	0 1	0 48	2 33	1 41	13 20	2 34	9 28	0 35	18 18	0 6	15 39	7 4	12 39	13 13	4 59	0 41	3 21
S 23	2 39	25 24	5 10	13 43	2 15	14 13	0 20	0s15	0 48	2 36	1 41	13 18	2 34	9 27	0 35	18 18	0 6	15 39	7 4	12 41	13 14	5 2	0 45	3 21
M24	3 2	27 32	4 55	14 15	2 21	14 40	0 23	0 31	0 48	2 39	1 40	13 17	2 34	9 26	0 35	18 18	0 6	15 39	7 3	12 42	13 15	5 5	0 48	3 21
T 25	3 26	27 56	4 25	14 45	2 27	15 7	0 26	0 47	0 47	2 42	1 40	13 16	2 34	9 25	0 35	18 17	0 6	15 40	7 3	12 43	13 16	5 8	0 51	3 21
W26	3 49	26 44	3 41	15 14	2 33	15 33	0 29	1 3	0 47	2 45	1 40	13 15	2 34	9 24	0 35	18 17	0 6	15 40	7 3	12 43	13 17	5 12	0 55	3 21
T 27	4 13	24 9	2 48	15 43	2 38	15 58	0 32	1 19	0 46	2 48	1 40	13 14	2 34	9 24	0 35	18 17	0 6	15 41	7 2	12 43	13 18	5 15	0 58	3 21
F 28	4 36	20 30	1 48	16 9	2 43	16 24	0 35	1 35	0 46	2 51	1 40	13 12	2 34	9 23	0 35	18 16	0 6	15 41	7 2	12 43	13 19	5 18	1 1	3 21
S 29	5 0	16 3	0 44	16 35	2 47	16 49	0 38	1 51	0 46	2 53	1 40	13 11	2 35	9 22	0 35	18 16	0 6	15 42	7 2	12 42	13 20	5 22	1 4	3 20
S 30	5s23	11n 3	0s21	16s59	2s52	17s13	0s41	2s 8	0n45	2s56	1s40	13n10	2s35	9n21	0s35	18n16	0n 6	15s42	7n 1	12s42	13s21	5s25	1s 8	3s20

Julian Day Number = 2182611.5, Delta T = 11m23s
Ecliptic obliquity = 23°32'14, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'18, Lahiri = 13°35'18 Julian Calendar 1 Sept. 1263 == Greg. Calendar 8 Sept. 1263

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

OCTOBER 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 5 51	14♎34'46	12♍16	9♏ 7	16♏46	7♎44	26°R20	12°R20	25°R26	8♌42	14♐57	26°R34	24♒37	5♎53	25♍17	M 1
T 2	1 9 48	15°34'28	24° 4	10° 2	17°59	8°24	26♓13	12♉16	25♈23	8°43	14°58	26♒30	24°33	6° 0	25°25	T 2
W 3	1 13 44	16°34'12	5♎53	10°54	19°13	9° 4	26° 6	12°11	25°21	8°44	14°59	26°24	24°30	6° 7	25°34	W 3
T 4	1 17 41	17°33'58	17°43	11°42	20°26	9°43	25°59	12° 7	25°18	8°45	15° 1	26°16	24°27	6°14	25°42	T 4
F 5	1 21 37	18°33'46	29°37	12°26	21°39	10°23	25°52	12° 3	25°16	8°46	15° 2	26° 6	24°24	6°20	25°51	F 5
S 6	1 25 34	19°33'36	11♏37	13° 5	22°52	11° 3	25°46	11°59	25°13	8°47	15° 4	25°55	24°21	6°27	25°59	S 6
S 7	1 29 30	20°33'28	23°43	13°40	24° 5	11°43	25°39	11°54	25°11	8°48	15° 5	25°45	24°18	6°34	26° 7	S 7
M 8	1 33 27	21°33'22	5♐58	14° 9	25°18	12°23	25°32	11°50	25° 8	8°49	15° 6	25°35	24°14	6°40	26°15	M 8
T 9	1 37 23	22°33'17	18°23	14°32	26°31	13° 3	25°26	11°46	25° 6	8°50	15° 8	25°28	24°11	6°47	26°24	T 9
W10	1 41 20	23°33'15	1♑ 1	14°49	27°44	13°43	25°20	11°41	25° 4	8°51	15°10	25°23	24° 8	6°54	26°32	W10
T 11	1 45 17	24°33'14	13°55	14°58	28°57	14°23	25°14	11°37	25° 1	8°52	15°11	25°20	24° 5	7° 0	26°40	T 11
F 12	1 49 13	25°33'14	27° 8	14°R59	0♐10	15° 3	25° 8	11°32	24°59	8°52	15°13	25°D20	24° 2	7° 7	26°48	F 12
S 13	1 53 10	26°33'17	10♒43	14°52	1°23	15°44	25° 2	11°27	24°56	8°53	15°14	25°20	23°59	7°14	26°56	S 13
S 14	1 57 6	27°33'21	24°42	14°36	2°36	16°24	24°56	11°23	24°54	8°54	15°16	25°R21	23°55	7°20	27° 4	S 14
M15	2 1 3	28°33'26	9♓ 5	14°10	3°49	17° 4	24°51	11°18	24°51	8°55	15°18	25°20	23°52	7°27	27°12	M15
T 16	2 4 59	29°33'33	23°51	13°35	5° 2	17°44	24°46	11°13	24°49	8°55	15°19	25°17	23°49	7°34	27°20	T 16
W17	2 8 56	0♏33'41	8♈54	12°51	6°14	18°24	24°41	11° 9	24°46	8°56	15°21	25°12	23°46	7°40	27°28	W17
T 18	2 12 52	1°33'52	24° 6	11°57	7°27	19° 5	24°36	11° 4	24°44	8°57	15°23	25° 4	23°43	7°47	27°36	T 18
F 19	2 16 49	2°34'04	9♉17	10°54	8°40	19°45	24°31	10°59	24°41	8°57	15°24	24°54	23°39	7°54	27°43	F 19
S 20	2 20 46	3°34'18	24°17	9°45	9°53	20°25	24°26	10°54	24°39	8°58	15°26	24°43	23°36	8° 0	27°51	S 20
S 21	2 24 42	4°34'34	8♊55	8°30	11° 5	21° 6	24°22	10°49	24°37	8°58	15°28	24°33	23°33	8° 7	27°59	S 21
M22	2 28 39	5°34'52	23° 6	7°11	12°18	21°46	24°17	10°44	24°34	8°59	15°30	24°25	23°30	8°14	28° 7	M22
T 23	2 32 35	6°35'12	6♋46	5°51	13°31	22°27	24°13	10°40	24°32	8°59	15°32	24°19	23°27	8°20	28°14	T 23
W24	2 36 32	7°35'34	19°58	4°33	14°43	23° 7	24°10	10°35	24°29	9° 0	15°33	24°15	23°24	8°27	28°22	W24
T 25	2 40 28	8°35'58	2♌43	3°19	15°56	23°48	24° 6	10°30	24°27	9° 0	15°35	24°14	23°20	8°34	28°29	T 25
F 26	2 44 25	9°36'24	15° 6	2°11	17° 8	24°28	24° 2	10°25	24°25	9° 0	15°37	24°D14	23°17	8°41	28°37	F 26
S 27	2 48 21	10°36'52	27°12	1°11	18°21	25° 9	23°59	10°20	24°22	9° 1	15°39	24°R14	23°14	8°47	28°44	S 27
S 28	2 52 18	11°37'21	9♍ 7	0°22	19°33	25°50	23°56	10°15	24°20	9° 1	15°41	24°13	23°11	8°54	28°51	S 28
M29	2 56 15	12°37'53	20°56	29♎43	20°45	26°30	23°53	10°10	24°18	9° 1	15°43	24°10	23° 8	9° 1	28°59	M29
T 30	3 0 11	13°38'26	2♎44	29°16	21°58	27°11	23°50	10° 5	24°15	9° 1	15°45	24° 5	23° 5	9° 7	29° 6	T 30
W31	3 4 8	14♏39'01	14♎34	29♎ 1	23♐10	27♎52	23♓48	10♉ 0	24♈13	9♌ 1	15♐47	23♒56	23♒ 1	9♎14	29♍13	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s46	5n42	1s24	17s21	2s55	17s37	0s44	2s24	0n45	2s59	1s40	13n 9	2s35	9n20	0s35	18n16	0n 6	15s42	7n 1	12s43	13s22	5s28	1s11	3s20
T 2	6 9	0 11	2 23	17 42	2 59	18 1	0 47	2 40	0 44	3 2	1 40	13 7	2 35	9 19	0 35	18 15	0 6	15 43	7 1	12 44	13 23	5 31	1 14	3 20
W 3	6 32	5s20	3 15	18 1	3 1	18 24	0 50	2 56	0 44	3 5	1 40	13 6	2 35	9 18	0 35	18 15	0 6	15 43	7 1	12 46	13 24	5 35	1 17	3 20
T 4	6 55	10 40	4 0	18 19	3 3	18 47	0 53	3 12	0 44	3 7	1 39	13 5	2 35	9 17	0 35	18 15	0 6	15 44	7 0	12 49	13 25	5 38	1 20	3 20
F 5	7 18	15 39	4 34	18 34	3 5	19 9	0 56	3 28	0 43	3 10	1 39	13 3	2 35	9 17	0 35	18 15	0 6	15 44	7 0	12 52	13 27	5 41	1 24	3 20
S 6	7 41	20 4	4 56	18 47	3 6	19 31	0 59	3 44	0 43	3 12	1 39	13 2	2 35	9 16	0 35	18 14	0 6	15 45	7 0	12 56	13 28	5 44	1 27	3 20
S 7	8 4	23 42	5 5	18 57	3 5	19 52	1 2	4 0	0 42	3 15	1 39	13 0	2 35	9 15	0 35	18 14	0 6	15 45	6 59	12 59	13 29	5 48	1 30	3 20
M 8	8 26	26 19	5 0	19 5	3 4	20 13	1 5	4 16	0 42	3 17	1 39	12 59	2 35	9 14	0 35	18 14	0 6	15 45	6 59	13 3	13 30	5 51	1 33	3 19
T 9	8 49	27 42	4 41	19 10	3 2	20 33	1 7	4 32	0 41	3 20	1 39	12 58	2 35	9 13	0 35	18 14	0 6	15 46	6 59	13 5	13 31	5 54	1 36	3 19
W10	9 11	27 40	4 8	19 12	2 59	20 53	1 10	4 48	0 41	3 22	1 38	12 56	2 35	9 12	0 35	18 13	0 6	15 46	6 59	13 7	13 32	5 57	1 40	3 19
T 11	9 33	26 10	3 23	19 10	2 55	21 12	1 13	5 4	0 41	3 24	1 38	12 55	2 35	9 11	0 35	18 13	0 6	15 47	6 58	13 8	13 33	6 1	1 43	3 19
F 12	9 55	23 11	2 25	19 5	2 49	21 30	1 16	5 20	0 40	3 26	1 38	12 53	2 36	9 10	0 35	18 13	0 6	15 47	6 58	13 8	13 34	6 4	1 46	3 19
S 13	10 17	18 52	1 17	18 56	2 42	21 48	1 19	5 36	0 40	3 29	1 38	12 52	2 36	9 9	0 35	18 13	0 6	15 48	6 58	13 8	13 35	6 7	1 49	3 19
S 14	10 39	13 24	0 3	18 43	2 33	22 6	1 21	5 52	0 39	3 31	1 38	12 50	2 36	9 8	0 35	18 13	0 6	15 48	6 58	13 7	13 36	6 10	1 52	3 19
M15	11 0	7 5	1n13	18 26	2 23	22 22	1 24	6 8	0 39	3 33	1 37	12 49	2 36	9 8	0 35	18 12	0 6	15 48	6 57	13 8	13 37	6 14	1 55	3 19
T 16	11 22	0 14	2 26	18 3	2 11	22 39	1 27	6 24	0 38	3 35	1 37	12 47	2 36	9 7	0 35	18 12	0 6	15 49	6 57	13 9	13 38	6 17	1 58	3 19
W17	11 43	6n45	3 30	17 37	1 57	22 54	1 29	6 40	0 38	3 36	1 37	12 46	2 36	9 6	0 35	18 12	0 6	15 49	6 57	13 11	13 39	6 20	2 2	3 19
T 18	12 4	13 24	4 20	17 5	1 41	23 9	1 32	6 55	0 38	3 38	1 37	12 44	2 36	9 5	0 35	18 12	0 6	15 50	6 56	13 13	13 40	6 23	2 5	3 19
F 19	12 25	19 15	4 51	16 29	1 24	23 23	1 34	7 11	0 37	3 40	1 37	12 43	2 36	9 4	0 35	18 12	0 6	15 50	6 56	13 17	13 41	6 27	2 8	3 19
S 20	12 45	23 48	5 2	15 50	1 6	23 37	1 37	7 27	0 37	3 42	1 36	12 41	2 36	9 3	0 35	18 12	0 6	15 51	6 56	13 20	13 42	6 30	2 11	3 19
S 21	13 6	26 42	4 53	15 7	0 46	23 50	1 39	7 42	0 36	3 43	1 36	12 40	2 36	9 2	0 35	18 12	0 7	15 51	6 56	13 23	13 43	6 33	2 14	3 19
M22	13 26	27 47	4 26	14 22	0 26	24 2	1 42	7 58	0 36	3 45	1 36	12 39	2 36	9 1	0 35	18 11	0 7	15 51	6 56	13 26	13 44	6 36	2 17	3 19
T 23	13 46	27 5	3 44	13 36	0 5	24 14	1 44	8 14	0 35	3 46	1 36	12 37	2 36	9 0	0 35	18 11	0 7	15 52	6 55	13 28	13 46	6 40	2 20	3 19
W24	14 6	24 52	2 51	12 51	0n16	24 25	1 46	8 29	0 35	3 47	1 35	12 36	2 36	9 0	0 35	18 11	0 7	15 52	6 55	13 29	13 47	6 43	2 23	3 19
T 25	14 26	21 27	1 52	12 7	0 36	24 35	1 48	8 45	0 34	3 49	1 35	12 34	2 36	8 59	0 34	18 11	0 7	15 53	6 55	13 30	13 48	6 46	2 26	3 19
F 26	14 45	17 9	0 48	11 26	0 54	24 45	1 51	9 0	0 34	3 50	1 35	12 33	2 36	8 58	0 34	18 11	0 7	15 53	6 55	13 30	13 49	6 49	2 29	3 19
S 27	15 4	12 15	0s16	10 49	1 12	24 54	1 53	9 15	0 33	3 51	1 35	12 31	2 35	8 57	0 34	18 11	0 7	15 54	6 54	13 30	13 50	6 52	2 32	3 18
S 28	15 23	6 59	1 18	10 17	1 28	25 2	1 55	9 31	0 33	3 52	1 34	12 30	2 35	8 56	0 34	18 11	0 7	15 54	6 54	13 30	13 51	6 56	2 35	3 18
M29	15 42	1 31	2 16	9 50	1 42	25 9	1 57	9 46	0 32	3 53	1 34	12 28	2 35	8 55	0 34	18 11	0 7	15 54	6 54	13 31	13 52	6 59	2 37	3 18
T 30	16 0	3s58	3 9	9 29	1 54	25 16	1 59	10 1	0 32	3 54	1 34	12 27	2 35	8 55	0 34	18 11	0 7	15 55	6 54	13 33	13 53	7 2	2 40	3 18
W31	16s18	9s20	3s53	9s15	2n 4	25s22	2s 0	10s16	0n31	3s54	1s34	12n25	2s35	8n54	0s34	18n11	0n 7	15s55	6n53	13s36	13s54	7s 5	2s43	3s18

Julian Day Number = 2182641.5, Delta T = 11m22s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'22, Lahiri = 13°35'22 Julian Calendar 1 Oct. 1263 == Greg. Calendar 8 Oct. 1263

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

NOVEMBER 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 8 4	15♏39'37	26♎28	28°D57	24♐22	28♎33	23°R45	9°R56	24°R11	9♌ 2	15♐49	23°R44	22♒58	9♎21	29♍20	T 1
F 2	3 12 1	16°40'16	8♏30	29♎ 5	25°35	29°13	23♓43	9♉51	24♈ 9	9° 2	15°51	23♒31	22°55	9°27	29°27	F 2
S 3	3 15 57	17°40'55	20°40	29°22	26°47	29°54	23°41	9°46	24° 6	9° 2	15°53	23°16	22°52	9°34	29°34	S 3
S 4	3 19 54	18°41'37	3♐ 0	29°49	27°59	0♏35	23°40	9°41	24° 4	9°R 2	15°55	23° 2	22°49	9°41	29°41	S 4
M 5	3 23 50	19°42'19	15°28	0♏24	29°11	1°16	23°38	9°36	24° 2	9° 2	15°57	22°49	22°45	9°47	29°48	M 5
T 6	3 27 47	20°43'03	28° 7	1° 7	0♑23	1°57	23°37	9°31	24° 0	9° 2	15°59	22°38	22°42	9°54	29°55	T 6
W 7	3 31 44	21°43'49	10♑56	1°57	1°35	2°38	23°36	9°27	23°58	9° 2	16° 1	22°30	22°39	10° 1	0♎ 1	W 7
T 8	3 35 40	22°44'35	23°58	2°52	2°47	3°19	23°35	9°22	23°56	9° 1	16° 3	22°25	22°36	10° 7	0° 8	T 8
F 9	3 39 37	23°45'23	7♒13	3°53	3°59	4° 0	23°34	9°17	23°54	9° 1	16° 5	22°23	22°33	10°14	0°14	F 9
S 10	3 43 33	24°46'11	20°44	4°58	5°10	4°41	23°34	9°13	23°52	9° 1	16° 7	22°23	22°30	10°21	0°21	S 10
S 11	3 47 30	25°47'00	4♓33	6° 8	6°22	5°22	23°33	9° 8	23°50	9° 1	16° 9	22°23	22°26	10°28	0°27	S 11
M12	3 51 26	26°47'50	18°40	7°20	7°34	6° 4	23°D33	9° 4	23°48	9° 1	16°11	22°22	22°23	10°34	0°34	M12
T 13	3 55 23	27°48'41	3♈ 5	8°35	8°45	6°45	23°33	8°59	23°46	9° 0	16°14	22°18	22°20	10°41	0°40	T 13
W14	3 59 19	28°49'33	17°46	9°53	9°57	7°26	23°34	8°55	23°44	9° 0	16°16	22°12	22°17	10°48	0°46	W14
T 15	4 3 16	29°50'26	2♉37	11°13	11° 8	8° 7	23°34	8°50	23°42	9° 0	16°18	22° 3	22°14	10°54	0°52	T 15
F 16	4 7 13	0♐51'20	17°31	12°35	12°20	8°49	23°35	8°46	23°40	8°59	16°20	21°52	22°11	11° 1	0°58	F 16
S 17	4 11 9	1°52'15	2♊18	13°58	13°31	9°30	23°36	8°41	23°38	8°59	16°22	21°40	22° 7	11° 8	1° 4	S 17
S 18	4 15 6	2°53'11	16°49	15°23	14°42	10°11	23°37	8°37	23°37	8°59	16°24	21°29	22° 4	11°14	1°10	S 18
M19	4 19 2	3°54'08	0♋58	16°49	15°53	10°53	23°39	8°33	23°35	8°58	16°26	21°19	22° 1	11°21	1°16	M19
T 20	4 22 59	4°55'06	14°41	18°15	17° 4	11°34	23°40	8°29	23°33	8°58	16°29	21°11	21°58	11°28	1°21	T 20
W21	4 26 55	5°56'05	27°57	19°43	18°15	12°16	23°42	8°25	23°32	8°57	16°31	21° 7	21°55	11°34	1°27	W21
T 22	4 30 52	6°57'06	10♌47	21°11	19°26	12°57	23°44	8°21	23°30	8°56	16°33	21° 5	21°51	11°41	1°32	T 22
F 23	4 34 48	7°58'07	23°14	22°40	20°37	13°39	23°46	8°17	23°28	8°56	16°35	21°D 4	21°48	11°48	1°38	F 23
S 24	4 38 45	8°59'10	5♍23	24°10	21°47	14°21	23°49	8°13	23°27	8°55	16°37	21°R 5	21°45	11°55	1°43	S 24
S 25	4 42 42	10° 0'13	17°20	25°39	22°58	15° 2	23°51	8° 9	23°25	8°54	16°40	21° 4	21°42	12° 1	1°48	S 25
M26	4 46 38	11° 1'18	29°10	27°10	24° 8	15°44	23°54	8° 6	23°24	8°54	16°42	21° 3	21°39	12° 8	1°53	M26
T 27	4 50 35	12° 2'23	10♎59	28°40	25°19	16°26	23°57	8° 2	23°23	8°53	16°44	20°59	21°36	12°15	1°58	T 27
W28	4 54 31	13° 3'30	22°51	0♐11	26°29	17° 7	24° 1	7°58	23°21	8°52	16°46	20°52	21°32	12°21	2° 3	W28
T 29	4 58 28	14° 4'37	4♏50	1°42	27°39	17°49	24° 4	7°55	23°20	8°51	16°49	20°43	21°29	12°28	2° 8	T 29
F 30	5 2 24	15♐ 5'45	16♏59	3♐14	28♑49	18♏31	24♓ 8	7♉52	23♈19	8♌51	16♐51	20♒31	21♒26	12♎35	2♎13	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s36	14s24	4s27	9s 6	2n12	25s27	2s 2	10s31	0n31	3s55	1s33	12n24	2s35	8n53	0s34	18n11	0n 7	15s56	6n53	13s40	13s55	7s 9	2s46	3s18
F 2	16 53	18 57	4 49	9 3	2 18	25 32	2 4	10 46	0 30	3 56	1 33	12 22	2 35	8 52	0 34	18 11	0 7	15 56	6 53	13 44	13 56	7 12	2 49	3 18
S 3	17 10	22 48	4 59	9 4	2 22	25 35	2 6	11 1	0 30	3 56	1 33	12 21	2 35	8 51	0 34	18 11	0 7	15 56	6 53	13 49	13 57	7 15	2 52	3 19
S 4	17 27	25 40	4 55	9 11	2 25	25 38	2 7	11 16	0 29	3 57	1 32	12 19	2 35	8 51	0 34	18 11	0 7	15 57	6 53	13 54	13 58	7 18	2 54	3 19
M 5	17 44	27 20	4 37	9 22	2 27	25 41	2 9	11 31	0 29	3 57	1 32	12 18	2 35	8 50	0 34	18 11	0 7	15 57	6 52	13 58	13 59	7 21	2 57	3 19
T 6	18 0	27 36	4 5	9 37	2 27	25 42	2 10	11 46	0 28	3 57	1 32	12 17	2 35	8 49	0 34	18 11	0 7	15 58	6 52	14 2	14 0	7 25	3 0	3 19
W 7	18 16	26 24	3 20	9 55	2 26	25 43	2 11	12 0	0 28	3 57	1 32	12 15	2 35	8 48	0 34	18 11	0 7	15 58	6 52	14 4	14 1	7 28	3 3	3 19
T 8	18 32	23 46	2 24	10 15	2 25	25 43	2 12	12 15	0 27	3 57	1 31	12 14	2 34	8 47	0 34	18 11	0 7	15 58	6 52	14 6	14 2	7 31	3 5	3 19
F 9	18 47	19 49	1 19	10 38	2 22	25 42	2 14	12 29	0 27	3 57	1 31	12 12	2 34	8 47	0 34	18 11	0 7	15 59	6 52	14 6	14 3	7 34	3 8	3 19
S 10	19 2	14 47	0 9	11 3	2 18	25 41	2 15	12 44	0 26	3 57	1 31	12 11	2 34	8 46	0 34	18 11	0 7	15 59	6 52	14 6	14 4	7 37	3 10	3 19
S 11	19 17	8 54	1n 4	11 30	2 14	25 38	2 16	12 58	0 26	3 57	1 30	12 10	2 34	8 45	0 34	18 11	0 7	16 0	6 51	14 6	14 5	7 41	3 13	3 19
M12	19 31	2 27	2 14	11 58	2 10	25 35	2 16	13 12	0 25	3 57	1 30	12 9	2 34	8 45	0 34	18 11	0 7	16 0	6 51	14 7	14 6	7 44	3 16	3 19
T 13	19 45	4n15	3 17	12 27	2 4	25 32	2 17	13 26	0 25	3 57	1 30	12 7	2 34	8 44	0 34	18 11	0 7	16 0	6 51	14 8	14 7	7 47	3 18	3 19
W14	19 59	10 49	4 8	12 57	1 59	25 27	2 18	13 40	0 24	3 56	1 30	12 6	2 34	8 43	0 34	18 11	0 7	16 1	6 51	14 10	14 8	7 50	3 21	3 19
T 15	20 12	16 52	4 43	13 28	1 53	25 22	2 18	13 54	0 23	3 56	1 29	12 5	2 33	8 43	0 34	18 12	0 7	16 1	6 51	14 13	14 9	7 53	3 23	3 19
F 16	20 25	21 54	4 59	13 59	1 47	25 16	2 19	14 8	0 23	3 55	1 29	12 3	2 33	8 42	0 34	18 12	0 7	16 1	6 51	14 16	14 11	7 56	3 26	3 19
S 17	20 37	25 31	4 55	14 30	1 40	25 9	2 19	14 22	0 22	3 54	1 29	12 2	2 33	8 41	0 34	18 12	0 7	16 2	6 50	14 20	14 12	8 0	3 28	3 19
S 18	20 49	27 23	4 32	15 1	1 34	25 2	2 20	14 35	0 22	3 54	1 28	12 1	2 33	8 41	0 34	18 12	0 7	16 2	6 50	14 24	14 13	8 3	3 30	3 19
M19	21 1	27 24	3 52	15 33	1 27	24 54	2 20	14 49	0 21	3 53	1 28	12 0	2 33	8 40	0 34	18 12	0 7	16 3	6 50	14 27	14 14	8 6	3 33	3 19
T 20	21 12	25 42	3 0	16 4	1 20	24 45	2 20	15 2	0 21	3 52	1 28	11 59	2 33	8 39	0 34	18 12	0 7	16 3	6 50	14 30	14 15	8 9	3 35	3 19
W21	21 23	22 36	1 59	16 34	1 12	24 36	2 20	15 16	0 20	3 51	1 28	11 58	2 32	8 39	0 34	18 12	0 7	16 3	6 50	14 31	14 16	8 12	3 37	3 19
T 22	21 34	18 28	0 54	17 5	1 5	24 26	2 20	15 29	0 20	3 50	1 27	11 57	2 32	8 38	0 34	18 12	0 7	16 4	6 50	14 32	14 17	8 15	3 40	3 19
F 23	21 44	13 39	0s11	17 35	0 58	24 15	2 19	15 42	0 19	3 49	1 27	11 55	2 32	8 38	0 34	18 13	0 7	16 4	6 50	14 32	14 18	8 19	3 42	3 19
S 24	21 53	8 24	1 15	18 4	0 51	24 3	2 19	15 55	0 18	3 47	1 27	11 54	2 32	8 37	0 34	18 13	0 7	16 4	6 49	14 32	14 19	8 22	3 44	3 20
S 25	22 2	2 57	2 15	18 33	0 43	23 51	2 19	16 8	0 18	3 46	1 26	11 53	2 32	8 37	0 34	18 13	0 7	16 5	6 49	14 32	14 20	8 25	3 46	3 20
M26	22 11	2s32	3 8	19 1	0 36	23 38	2 18	16 20	0 17	3 45	1 26	11 52	2 31	8 36	0 34	18 13	0 7	16 5	6 49	14 32	14 21	8 28	3 48	3 20
T 27	22 20	7 56	3 53	19 29	0 29	23 25	2 17	16 33	0 17	3 43	1 26	11 51	2 31	8 36	0 34	18 13	0 7	16 5	6 49	14 34	14 22	8 31	3 50	3 20
W28	22 27	13 3	4 28	19 55	0 22	23 11	2 17	16 46	0 16	3 42	1 25	11 51	2 31	8 35	0 34	18 14	0 7	16 6	6 49	14 36	14 23	8 34	3 53	3 20
T 29	22 35	17 45	4 51	20 21	0 14	22 56	2 16	16 58	0 15	3 40	1 25	11 50	2 31	8 35	0 34	18 14	0 7	16 6	6 49	14 39	14 24	8 38	3 55	3 20
F 30	22s42	21s48	5s 2	20s46	0n 7	22s41	2s15	17s10	0n15	3s38	1s25	11n49	2s31	8n34	0s34	18n14	0n 7	16s 6	6n49	14s43	14s25	8s41	3s57	3s20

Julian Day Number = 2182672.5, Delta T = 11m22s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'26, Lahiri = 13°35'27 Julian Calendar 1 Nov. 1263 == Greg. Calendar 8 Nov. 1263

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ASTRODIENST EPHEMERIS for the year 1263
geocentric

DECEMBER 1263 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 6 21	16♐ 6'54	29♏20	4♐46	29♑59	19♏13	24♓11	7°R48	23°R17	8°R50	16♐53	20°R19	21♒23	12♎41	2♎18	S 1
S 2	5 10 17	17° 8'03	11♐54	6°17	1♒ 9	19°55	24°15	7♉45	23♈16	8♌49	16°55	20♒ 6	21°20	12°48	2°22	S 2
M 3	5 14 14	18° 9'14	24°41	7°50	2°19	20°37	24°20	7°42	23°15	8°48	16°58	19°55	21°17	12°55	2°27	M 3
T 4	5 18 11	19°10'24	7♑40	9°22	3°28	21°19	24°24	7°39	23°14	8°47	17° 0	19°46	21°13	13° 1	2°31	T 4
W 5	5 22 7	20°11'35	20°50	10°55	4°38	22° 1	24°29	7°36	23°13	8°46	17° 2	19°40	21°10	13° 8	2°35	W 5
T 6	5 26 4	21°12'46	4♒11	12°27	5°47	22°43	24°33	7°33	23°12	8°45	17° 4	19°36	21° 7	13°15	2°39	T 6
F 7	5 30 0	22°13'57	17°42	14° 1	6°56	23°25	24°38	7°30	23°11	8°44	17° 6	19°D35	21° 4	13°22	2°43	F 7
S 8	5 33 57	23°15'08	1♓23	15°34	8° 5	24° 7	24°43	7°28	23°10	8°43	17° 9	19°35	21° 1	13°28	2°47	S 8
S 9	5 37 53	24°16'19	15°14	17° 7	9°14	24°49	24°49	7°25	23° 9	8°42	17°11	19°36	20°57	13°35	2°51	S 9
M10	5 41 50	25°17'30	29°15	18°41	10°22	25°31	24°54	7°23	23° 8	8°41	17°13	19°R36	20°54	13°42	2°55	M10
T 11	5 45 47	26°18'41	13♈27	20°15	11°31	26°14	25° 0	7°20	23° 8	8°40	17°15	19°35	20°51	13°48	2°59	T 11
W12	5 49 43	27°19'52	27°46	21°49	12°39	26°56	25° 6	7°18	23° 7	8°39	17°17	19°31	20°48	13°55	3° 2	W12
T 13	5 53 40	28°21'03	12♉10	23°24	13°47	27°38	25°12	7°16	23° 6	8°37	17°20	19°26	20°45	14° 2	3° 5	T 13
F 14	5 57 36	29°22'13	26°35	24°59	14°55	28°20	25°18	7°14	23° 6	8°36	17°22	19°18	20°42	14° 8	3° 9	F 14
S 15	6 1 33	0♑23'24	10♊55	26°34	16° 3	29° 3	25°24	7°12	23° 5	8°35	17°24	19°10	20°38	14°15	3°12	S 15
S 16	6 5 29	1°24'34	25° 3	28°10	17°10	29°45	25°31	7°10	23° 5	8°34	17°26	19° 1	20°35	14°22	3°15	S 16
M17	6 9 26	2°25'44	8♋56	29°46	18°18	0♐28	25°37	7° 8	23° 4	8°32	17°28	18°54	20°32	14°28	3°18	M17
T 18	6 13 22	3°26'54	22°29	1♑22	19°25	1°10	25°44	7° 7	23° 4	8°31	17°31	18°49	20°29	14°35	3°21	T 18
W19	6 17 19	4°28'05	5♌39	2°59	20°32	1°53	25°51	7° 5	23° 4	8°30	17°33	18°46	20°26	14°42	3°24	W19
T 20	6 21 16	5°29'15	18°28	4°36	21°38	2°35	25°59	7° 4	23° 3	8°28	17°35	18°D45	20°23	14°49	3°26	T 20
F 21	6 25 12	6°30'25	0♍57	6°13	22°45	3°18	26° 6	7° 2	23° 3	8°27	17°37	18°46	20°19	14°55	3°29	F 21
S 22	6 29 9	7°31'35	13° 9	7°51	23°51	4° 0	26°13	7° 1	23° 3	8°26	17°39	18°47	20°16	15° 2	3°31	S 22
S 23	6 33 5	8°32'45	25° 9	9°29	24°57	4°43	26°21	7° 0	23° 3	8°24	17°41	18°49	20°13	15° 9	3°33	S 23
M24	6 37 2	9°33'55	7♎ 2	11° 8	26° 2	5°26	26°29	6°59	23° 3	8°23	17°43	18°R50	20°10	15°15	3°35	M24
T 25	6 40 58	10°35'04	18°52	12°47	27° 8	6° 8	26°37	6°58	23°D 3	8°21	17°45	18°50	20° 7	15°22	3°37	T 25
W26	6 44 55	11°36'14	0♏45	14°27	28°13	6°51	26°45	6°58	23° 3	8°20	17°48	18°48	20° 3	15°29	3°39	W26
T 27	6 48 51	12°37'24	12°47	16° 7	29°18	7°34	26°53	6°57	23° 3	8°19	17°50	18°44	20° 0	15°35	3°41	T 27
F 28	6 52 48	13°38'33	24°59	17°48	0♓22	8°17	27° 2	6°56	23° 3	8°17	17°52	18°39	19°57	15°42	3°43	F 28
S 29	6 56 45	14°39'42	7♐27	19°29	1°27	9° 0	27°10	6°56	23° 3	8°16	17°54	18°33	19°54	15°49	3°44	S 29
S 30	7 0 41	15°40'51	20°11	21°10	2°31	9°42	27°19	6°56	23° 3	8°14	17°56	18°27	19°51	15°56	3°46	S 30
M31	7 4 38	16♑42'00	3♑13	22♑52	3♓34	10♐25	27♓28	6♉55	23♈ 3	8♌13	17♐58	18♒21	19♒48	16♎ 2	3♎47	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s49	24s57	4s59	21s10	0n 0	22s25	2s14	17s22	0n14	3s37	1s25	11n48	2s30	8n34	0s34	18n14	0n 7	16s 6	6n49	14s46	14s26	8s44	3s58	3s20
S 2	22 55	26 57	4 41	21 33	0s 7	22 8	2 12	17 34	0 14	3 35	1 24	11 47	2 30	8 33	0 34	18 15	0 7	16 7	6 49	14 50	14 27	8 47	4 0	3 20
M 3	23 0	27 35	4 9	21 56	0 14	21 51	2 11	17 46	0 13	3 33	1 24	11 46	2 30	8 33	0 34	18 15	0 7	16 7	6 48	14 54	14 28	8 50	4 2	3 20
T 4	23 6	26 43	3 24	22 17	0 20	21 33	2 9	17 58	0 12	3 31	1 24	11 46	2 30	8 33	0 34	18 15	0 7	16 7	6 48	14 57	14 29	8 53	4 4	3 20
W 5	23 10	24 20	2 27	22 37	0 27	21 15	2 8	18 9	0 12	3 29	1 23	11 45	2 29	8 32	0 34	18 15	0 7	16 8	6 48	14 59	14 30	8 56	4 6	3 21
T 6	23 15	20 36	1 21	22 56	0 34	20 56	2 6	18 21	0 11	3 27	1 23	11 44	2 29	8 32	0 33	18 16	0 7	16 8	6 48	15 0	14 31	8 59	4 8	3 21
F 7	23 18	15 45	0 10	23 14	0 40	20 37	2 4	18 32	0 11	3 24	1 23	11 44	2 29	8 32	0 33	18 16	0 7	16 8	6 48	15 0	14 32	9 3	4 9	3 21
S 8	23 22	10 3	1n 3	23 31	0 46	20 17	2 2	18 43	0 10	3 22	1 23	11 43	2 29	8 31	0 33	18 16	0 7	16 9	6 48	15 0	14 33	9 6	4 11	3 21
S 9	23 25	3 48	2 13	23 47	0 52	19 57	2 0	18 54	0 9	3 20	1 22	11 42	2 28	8 31	0 33	18 17	0 7	16 9	6 48	15 0	14 34	9 9	4 13	3 21
M10	23 27	2n42	3 16	24 1	0 58	19 36	1 58	19 5	0 9	3 17	1 22	11 42	2 28	8 31	0 33	18 17	0 7	16 9	6 48	15 0	14 35	9 12	4 14	3 21
T 11	23 29	9 8	4 8	24 14	1 4	19 15	1 55	19 15	0 8	3 15	1 22	11 41	2 28	8 31	0 33	18 17	0 7	16 9	6 48	15 0	14 36	9 15	4 16	3 21
W12	23 31	15 9	4 45	24 26	1 9	18 53	1 53	19 26	0 7	3 12	1 22	11 41	2 28	8 30	0 33	18 17	0 7	16 10	6 48	15 1	14 37	9 18	4 17	3 21
T 13	23 32	20 22	5 4	24 37	1 15	18 31	1 50	19 36	0 7	3 10	1 21	11 40	2 27	8 30	0 33	18 18	0 7	16 10	6 48	15 3	14 38	9 21	4 19	3 21
F 14	23 32	24 24	5 4	24 46	1 20	18 8	1 47	19 46	0 6	3 7	1 21	11 40	2 27	8 30	0 33	18 18	0 7	16 10	6 48	15 6	14 39	9 24	4 20	3 22
S 15	23 32	26 52	4 45	24 54	1 25	17 45	1 45	19 56	0 5	3 4	1 21	11 40	2 27	8 30	0 33	18 18	0 7	16 10	6 48	15 8	14 40	9 28	4 22	3 22
S 16	23 32	27 35	4 9	25 1	1 30	17 22	1 42	20 6	0 5	3 1	1 20	11 39	2 26	8 30	0 33	18 19	0 7	16 11	6 48	15 11	14 41	9 31	4 23	3 22
M17	23 31	26 32	3 18	25 6	1 34	16 58	1 38	20 16	0 4	2 58	1 20	11 39	2 26	8 29	0 33	18 19	0 7	16 11	6 48	15 13	14 42	9 34	4 24	3 22
T 18	23 29	23 54	2 17	25 10	1 38	16 34	1 35	20 25	0 3	2 55	1 20	11 39	2 26	8 29	0 33	18 20	0 7	16 11	6 47	15 15	14 43	9 37	4 25	3 22
W19	23 28	20 4	1 10	25 12	1 42	16 9	1 32	20 34	0 3	2 52	1 20	11 38	2 26	8 29	0 33	18 20	0 7	16 11	6 47	15 16	14 44	9 40	4 27	3 22
T 20	23 25	15 23	0 2	25 13	1 46	15 44	1 28	20 44	0 2	2 49	1 19	11 38	2 25	8 29	0 33	18 20	0 7	16 12	6 47	15 16	14 45	9 43	4 28	3 22
F 21	23 23	10 10	1s 6	25 13	1 49	15 19	1 24	20 53	0 1	2 46	1 19	11 38	2 25	8 29	0 33	18 21	0 7	16 12	6 47	15 16	14 46	9 46	4 29	3 22
S 22	23 19	4 40	2 8	25 11	1 53	14 54	1 21	21 1	0 1	2 43	1 19	11 38	2 25	8 29	0 33	18 21	0 7	16 12	6 47	15 15	14 47	9 49	4 30	3 23
S 23	23 16	0s53	3 5	25 7	1 55	14 28	1 17	21 10	0 0	2 40	1 19	11 38	2 24	8 29	0 33	18 21	0 7	16 12	6 47	15 15	14 48	9 52	4 31	3 23
M24	23 11	6 21	3 52	25 2	1 58	14 2	1 13	21 18	0s 1	2 36	1 18	11 38	2 24	8 29	0 33	18 22	0 7	16 12	6 47	15 14	14 49	9 55	4 32	3 23
T 25	23 7	11 34	4 30	24 55	2 0	13 35	1 8	21 26	0 1	2 33	1 18	11 38	2 24	8 29	0 33	18 22	0 7	16 13	6 47	15 15	14 50	9 58	4 33	3 23
W26	23 2	16 24	4 56	24 46	2 2	13 9	1 4	21 34	0 2	2 29	1 18	11 38	2 24	8 29	0 33	18 23	0 8	16 13	6 47	15 15	14 51	10 1	4 34	3 23
T 27	22 56	20 38	5 9	24 36	2 3	12 42	1 0	21 42	0 3	2 26	1 18	11 38	2 23	8 29	0 33	18 23	0 8	16 13	6 47	15 16	14 52	10 5	4 34	3 23
F 28	22 50	24 5	5 9	24 24	2 4	12 15	0 55	21 50	0 3	2 22	1 17	11 38	2 23	8 29	0 33	18 23	0 8	16 13	6 47	15 18	14 53	10 8	4 35	3 23
S 29	22 44	26 29	4 54	24 11	2 5	11 47	0 50	21 57	0 4	2 19	1 17	11 38	2 23	8 29	0 33	18 24	0 8	16 13	6 47	15 20	14 54	10 11	4 36	3 23
S 30	22 37	27 35	4 25	23 56	2 5	11 20	0 45	22 4	0 5	2 15	1 17	11 38	2 22	8 29	0 33	18 24	0 8	16 13	6 47	15 22	14 55	10 14	4 37	3 23
M31	22s29	27s11	3s41	23s39	2s 5	10s52	0s40	22s12	0s 5	2s11	1s17	11n39	2s22	8n30	0s33	18n25	0n 8	16s14	6n47	15s23	14s56	10s17	4s37	3s24

Julian Day Number = 2182702.5, Delta T = 11m22s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'30, Lahiri = 13°35'31 Julian Calendar 1 Dec. 1263 == Greg. Calendar 8 Dec. 1263

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

JANUARY 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 8 34	17♑43'07	16♑33	24♑34	4♓38	11♐ 8	27♓37	6°D55	23♈ 4	8°R11	18♐ 0	18°R17	19♒44	16♎ 9	3♎48	T 1
W 2	7 12 31	18°44'15	0♒ 7	26°17	5°41	11°51	27°46	6♉55	23° 4	8♏ 9	18° 2	18♒14	19°41	16°16	3°49	W 2
T 3	7 16 27	19°45'21	13°55	27°59	6°43	12°34	27°55	6°56	23° 5	8° 8	18° 4	18°D13	19°38	16°22	3°50	T 3
F 4	7 20 24	20°46'26	27°52	29°42	7°45	13°17	28° 4	6°56	23° 5	8° 6	18° 6	18°13	19°35	16°29	3°51	F 4
S 5	7 24 20	21°47'31	11♓57	1♒26	8°47	14° 1	28°14	6°56	23° 6	8° 5	18° 8	18°14	19°32	16°36	3°52	S 5
S 6	7 28 17	22°48'34	26° 5	3° 9	9°49	14°44	28°23	6°57	23° 6	8° 3	18°10	18°16	19°29	16°42	3°53	S 6
M 7	7 32 14	23°49'37	10♈16	4°52	10°50	15°27	28°33	6°57	23° 7	8° 1	18°11	18°17	19°25	16°49	3°53	M 7
T 8	7 36 10	24°50'38	24°27	6°35	11°51	16°10	28°43	6°58	23° 8	8° 0	18°13	18°R18	19°22	16°56	3°53	T 8
W 9	7 40 7	25°51'38	8♉35	8°17	12°51	16°53	28°53	6°59	23° 8	7°58	18°15	18°17	19°19	17° 3	3°54	W 9
T 10	7 44 3	26°52'36	22°40	9°59	13°51	17°37	29° 3	7° 0	23° 9	7°56	18°17	18°15	19°16	17° 9	3°R54	T 10
F 11	7 48 0	27°53'34	6♊38	11°40	14°50	18°20	29°13	7° 1	23°10	7°55	18°19	18°13	19°13	17°16	3°54	F 11
S 12	7 51 56	28°54'30	20°29	13°20	15°49	19° 3	29°24	7° 2	23°11	7°53	18°21	18°10	19° 9	17°23	3°54	S 12
S 13	7 55 53	29°55'25	4♋ 8	14°58	16°47	19°46	29°34	7° 3	23°12	7°52	18°22	18° 7	19° 6	17°29	3°53	S 13
M14	7 59 50	0♒56'19	17°34	16°35	17°45	20°30	29°45	7° 5	23°13	7°50	18°24	18° 5	19° 3	17°36	3°53	M14
T 15	8 3 46	1°57'12	0♌45	18° 9	18°42	21°13	29°56	7° 6	23°14	7°48	18°26	18° 3	19° 0	17°43	3°53	T 15
W16	8 7 43	2°58'04	13°40	19°40	19°38	21°57	0♈ 6	7° 8	23°15	7°47	18°28	18°D 3	18°57	17°50	3°52	W16
T 17	8 11 39	3°58'54	26°19	21° 8	20°34	22°40	0°17	7°10	23°16	7°45	18°29	18° 3	18°54	17°56	3°51	T 17
F 18	8 15 36	4°59'43	8♍43	22°32	21°30	23°24	0°28	7°12	23°17	7°43	18°31	18° 4	18°50	18° 3	3°50	F 18
S 19	8 19 32	6° 0'31	20°54	23°51	22°25	24° 7	0°39	7°14	23°19	7°41	18°33	18° 5	18°47	18°10	3°50	S 19
S 20	8 23 29	7° 1'18	2♎55	25° 5	23°19	24°51	0°51	7°16	23°20	7°40	18°34	18° 6	18°44	18°16	3°48	S 20
M21	8 27 25	8° 2'04	14°48	26°13	24°12	25°34	1° 2	7°18	23°21	7°38	18°36	18° 7	18°41	18°23	3°47	M21
T 22	8 31 22	9° 2'49	26°40	27°14	25° 5	26°18	1°13	7°20	23°23	7°36	18°38	18° 8	18°38	18°30	3°46	T 22
W23	8 35 19	10° 3'33	8♏33	28° 8	25°57	27° 2	1°25	7°22	23°24	7°35	18°39	18°R 8	18°35	18°36	3°45	W23
T 24	8 39 15	11° 4'16	20°34	28°53	26°48	27°46	1°36	7°25	23°26	7°33	18°41	18° 8	18°31	18°43	3°43	T 24
F 25	8 43 12	12° 4'57	2♐46	29°29	27°39	28°29	1°48	7°28	23°27	7°31	18°42	18° 7	18°28	18°50	3°41	F 25
S 26	8 47 8	13° 5'38	15°13	29°55	28°29	29°13	2° 0	7°30	23°29	7°30	18°44	18° 7	18°25	18°57	3°40	S 26
S 27	8 51 5	14° 6'17	28° 1	0♓12	29°18	29°57	2°12	7°33	23°30	7°28	18°45	18° 6	18°22	19° 3	3°38	S 27
M28	8 55 1	15° 6'55	11♑ 9	0°R18	0♈ 6	0♑41	2°24	7°36	23°32	7°26	18°47	18° 6	18°19	19°10	3°36	M28
T 29	8 58 58	16° 7'32	24°41	0°13	0°53	1°25	2°36	7°39	23°34	7°25	18°48	18° 6	18°15	19°17	3°34	T 29
W30	9 2 54	17° 8'07	8♒33	29♒58	1°39	2° 8	2°48	7°42	23°36	7°23	18°49	18° 5	18°12	19°23	3°32	W30
T 31	9 6 51	18♒ 8'41	22♒45	29♒33	2♈24	2♑52	3♈ 0	7♉45	23♈37	7♏21	18♐51	18♒ 5	18♒ 9	19♎30	3♎29	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸		⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s21	25s14	2s45	23s20	2s 4	10s24	0s35	22s18	0s 6	2s 7	1s16	11n39	2s22	8n30	0s33	18n25	0n 8	16s14	6n47	15s25	14s57	10s20	4s38	3s24
W 2	22 13	21 48	1 37	23 0	2 3	9 56	0 30	22 25	0 7	2 4	1 16	11 39	2 21	8 30	0 33	18 25	0 8	16 14	6 47	15 26	14 58	10 23	4 38	3 24
T 3	22 5	17 6	0 24	22 38	2 2	9 28	0 25	22 31	0 8	2 0	1 16	11 40	2 21	8 30	0 33	18 26	0 8	16 14	6 47	15 26	14 59	10 26	4 39	3 24
F 4	21 55	11 26	0n53	22 14	1 59	8 59	0 19	22 37	0 8	1 56	1 16	11 40	2 21	8 30	0 32	18 26	0 8	16 14	6 47	15 26	15 0	10 29	4 39	3 24
S 5	21 46	5 9	2 7	21 49	1 56	8 31	0 13	22 43	0 9	1 52	1 16	11 40	2 21	8 31	0 32	18 27	0 8	16 14	6 47	15 26	15 1	10 32	4 40	3 24
S 6	21 36	1n24	3 13	21 22	1 53	8 2	0 8	22 49	0 10	1 48	1 15	11 41	2 20	8 31	0 32	18 27	0 8	16 15	6 47	15 25	15 2	10 35	4 40	3 24
M 7	21 26	7 53	4 8	20 53	1 49	7 34	0 2	22 55	0 11	1 44	1 15	11 41	2 20	8 31	0 32	18 28	0 8	16 15	6 47	15 25	15 3	10 38	4 40	3 24
T 8	21 15	13 58	4 48	20 23	1 44	7 5	0n 4	23 0	0 11	1 39	1 15	11 42	2 20	8 31	0 32	18 28	0 8	16 15	6 47	15 24	15 4	10 41	4 41	3 24
W 9	21 4	19 19	5 10	19 51	1 39	6 36	0 11	23 5	0 12	1 35	1 15	11 42	2 19	8 32	0 32	18 28	0 8	16 15	6 47	15 25	15 5	10 44	4 41	3 24
T 10	20 52	23 34	5 14	19 18	1 33	6 7	0 17	23 10	0 13	1 31	1 14	11 43	2 19	8 32	0 32	18 29	0 8	16 15	6 48	15 25	15 6	10 47	4 41	3 25
F 11	20 40	26 24	4 59	18 44	1 26	5 38	0 23	23 15	0 14	1 27	1 14	11 44	2 19	8 32	0 32	18 29	0 8	16 15	6 48	15 26	15 7	10 50	4 41	3 25
S 12	20 28	27 37	4 26	18 8	1 18	5 10	0 30	23 19	0 14	1 22	1 14	11 44	2 18	8 33	0 32	18 30	0 8	16 15	6 48	15 27	15 8	10 53	4 41	3 25
S 13	20 15	27 7	3 39	17 32	1 10	4 41	0 37	23 23	0 15	1 18	1 14	11 45	2 18	8 33	0 32	18 30	0 8	16 15	6 48	15 28	15 9	10 56	4 41	3 25
M14	20 2	25 2	2 40	16 54	1 1	4 12	0 43	23 27	0 16	1 14	1 14	11 46	2 18	8 34	0 32	18 31	0 8	16 15	6 48	15 28	15 10	10 59	4 41	3 25
T 15	19 48	21 36	1 34	16 16	0 51	3 43	0 50	23 31	0 17	1 9	1 13	11 46	2 17	8 34	0 32	18 31	0 8	16 16	6 48	15 29	15 11	11 2	4 41	3 25
W16	19 34	17 11	0 24	15 37	0 40	3 14	0 57	23 35	0 17	1 5	1 13	11 47	2 17	8 34	0 32	18 31	0 8	16 16	6 48	15 29	15 12	11 5	4 41	3 25
T 17	19 20	12 5	0s46	14 58	0 29	2 46	1 5	23 38	0 18	1 0	1 13	11 48	2 17	8 35	0 32	18 32	0 8	16 16	6 48	15 29	15 13	11 8	4 40	3 25
F 18	19 6	6 36	1 52	14 19	0 16	2 17	1 12	23 41	0 19	0 56	1 13	11 49	2 17	8 35	0 32	18 32	0 8	16 16	6 48	15 29	15 14	11 11	4 40	3 25
S 19	18 51	0 59	2 52	13 40	0 3	1 48	1 19	23 44	0 20	0 51	1 13	11 50	2 16	8 36	0 32	18 33	0 8	16 16	6 48	15 28	15 15	11 14	4 40	3 25
S 20	18 36	4s35	3 44	13 2	0n11	1 20	1 27	23 47	0 20	0 46	1 13	11 51	2 16	8 36	0 32	18 33	0 8	16 16	6 48	15 28	15 16	11 17	4 39	3 25
M21	18 20	9 56	4 25	12 25	0 26	0 52	1 35	23 49	0 21	0 42	1 12	11 52	2 16	8 37	0 32	18 34	0 8	16 16	6 48	15 28	15 17	11 20	4 39	3 25
T 22	18 4	14 54	4 55	11 50	0 41	0 24	1 42	23 51	0 22	0 37	1 12	11 53	2 15	8 37	0 32	18 34	0 8	16 16	6 48	15 28	15 18	11 23	4 39	3 25
W23	17 48	19 20	5 13	11 17	0 57	0n 4	1 50	23 53	0 23	0 32	1 12	11 54	2 15	8 38	0 32	18 35	0 8	16 16	6 48	15 27	15 19	11 26	4 38	3 25
T 24	17 31	23 3	5 17	10 46	1 13	0 32	1 58	23 55	0 24	0 27	1 12	11 55	2 15	8 39	0 32	18 35	0 8	16 16	6 48	15 27	15 20	11 29	4 37	3 26
F 25	17 14	25 48	5 7	10 18	1 29	1 0	2 7	23 56	0 24	0 22	1 12	11 56	2 15	8 39	0 32	18 36	0 8	16 16	6 48	15 28	15 21	11 32	4 37	3 26
S 26	16 57	27 23	4 42	9 54	1 46	1 27	2 15	23 57	0 25	0 18	1 11	11 57	2 14	8 40	0 32	18 36	0 8	16 16	6 48	15 28	15 22	11 35	4 36	3 26
S 27	16 40	27 35	4 3	9 32	2 2	1 54	2 23	23 58	0 26	0 13	1 11	11 58	2 14	8 40	0 32	18 36	0 8	16 16	6 49	15 28	15 23	11 38	4 35	3 26
M28	16 22	26 14	3 11	9 15	2 18	2 21	2 32	23 59	0 27	0 8	1 11	12 0	2 14	8 41	0 32	18 37	0 8	16 16	6 49	15 28	15 24	11 41	4 35	3 26
T 29	16 4	23 21	2 6	9 2	2 34	2 48	2 40	23 59	0 28	0 3	1 11	12 1	2 13	8 42	0 32	18 37	0 8	16 16	6 49	15 28	15 25	11 44	4 34	3 26
W30	15 46	19 3	0 53	8 54	2 48	3 15	2 49	24 0	0 28	0n 2	1 11	12 2	2 13	8 42	0 32	18 38	0 8	16 16	6 49	15 28	15 26	11 47	4 33	3 26
T 31	15s27	13s35	0n26	8s50	3n 2	3n41	2n58	23s59	0s29	0n 7	1s11	12n 4	2s13	8n43	0s32	18n38	0n 8	16s16	6n49	15s28	15s27	11s50	4s32	3s26

Julian Day Number = 2182733.5, Delta T = 11m22s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'35, Lahiri = 13°35'35 Julian Calendar 1 Jan. 1264 == Greg. Calendar 8 Jan. 1264

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

FEBRUARY 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 10 48	19♒ 9'13	7♓10	28°R59	3♈ 8	3♉36	3♈12	7♉49	23♈39	7°R20	18♐52	18°R 5	18♒ 6	19♎37	3°R27	F 1
S 2	9 14 44	20° 9'43	21°45	28♒16	3°52	4°20	3°25	7°52	23°41	7♏18	18°53	18♒ 5	18° 3	19°43	3♎25	S 2
S 3	9 18 41	21°10'11	6♈21	27°26	4°34	5° 4	3°37	7°55	23°43	7°16	18°55	18° 5	18° 0	19°50	3°22	S 3
M 4	9 22 37	22°10'38	20°54	26°29	5°14	5°48	3°50	7°59	23°45	7°15	18°56	18° 5	17°56	19°57	3°19	M 4
T 5	9 26 34	23°11'02	5♉19	25°28	5°54	6°32	4° 2	8° 3	23°47	7°13	18°57	18° 4	17°53	20° 4	3°17	T 5
W 6	9 30 30	24°11'25	19°31	24°24	6°33	7°16	4°15	8° 7	23°49	7°12	18°58	18°D 4	17°50	20°10	3°14	W 6
T 7	9 34 27	25°11'46	3♊30	23°19	7°10	8° 1	4°28	8°11	23°51	7°10	19° 0	18° 4	17°47	20°17	3°11	T 7
F 8	9 38 23	26°12'04	17°13	22°14	7°46	8°45	4°41	8°14	23°54	7° 8	19° 1	18° 4	17°44	20°24	3° 8	F 8
S 9	9 42 20	27°12'21	0♋42	21°10	8°20	9°29	4°54	8°19	23°56	7° 7	19° 2	18° 5	17°41	20°30	3° 5	S 9
S 10	9 46 17	28°12'35	13°56	20°10	8°53	10°13	5° 7	8°23	23°58	7° 5	19° 3	18° 6	17°37	20°37	3° 1	S 10
M11	9 50 13	29°12'48	26°56	19°15	9°24	10°57	5°20	8°27	24° 0	7° 4	19° 4	18° 7	17°34	20°44	2°58	M11
T 12	9 54 10	0♓12'58	9♌44	18°24	9°54	11°41	5°33	8°31	24° 3	7° 2	19° 5	18° 8	17°31	20°51	2°55	T 12
W13	9 58 6	1°13'07	22°19	17°40	10°23	12°26	5°46	8°36	24° 5	7° 1	19° 6	18°R 8	17°28	20°57	2°51	W13
T 14	10 2 3	2°13'13	4♍43	17° 2	10°49	13°10	5°59	8°40	24° 7	6°59	19° 7	18° 7	17°25	21° 4	2°48	T 14
F 15	10 5 59	3°13'18	16°57	16°30	11°14	13°54	6°12	8°45	24°10	6°58	19° 8	18° 6	17°21	21°11	2°44	F 15
S 16	10 9 56	4°13'21	29° 2	16° 6	11°37	14°39	6°25	8°50	24°12	6°56	19° 9	18° 4	17°18	21°17	2°40	S 16
S 17	10 13 52	5°13'22	11♎ 0	15°49	11°58	15°23	6°39	8°54	24°15	6°55	19° 9	18° 1	17°15	21°24	2°37	S 17
M18	10 17 49	6°13'21	22°53	15°38	12°17	16° 7	6°52	8°59	24°17	6°53	19°10	17°58	17°12	21°31	2°33	M18
T 19	10 21 45	7°13'19	4♏44	15°D34	12°34	16°52	7° 6	9° 4	24°20	6°52	19°11	17°55	17° 9	21°38	2°29	T 19
W20	10 25 42	8°13'15	16°37	15°36	12°50	17°36	7°19	9° 9	24°22	6°50	19°12	17°53	17° 6	21°44	2°25	W20
T 21	10 29 39	9°13'09	28°36	15°44	13° 3	18°21	7°33	9°14	24°25	6°49	19°13	17°51	17° 2	21°51	2°21	T 21
F 22	10 33 35	10°13'01	10♐46	15°58	13°13	19° 5	7°46	9°19	24°28	6°48	19°13	17°D51	16°59	21°58	2°17	F 22
S 23	10 37 32	11°12'52	23°10	16°17	13°22	19°50	8° 0	9°25	24°30	6°46	19°14	17°52	16°56	22° 4	2°12	S 23
S 24	10 41 28	12°12'41	5♑53	16°42	13°28	20°34	8°14	9°30	24°33	6°45	19°15	17°53	16°53	22°11	2° 8	S 24
M25	10 45 25	13°12'29	18°59	17°11	13°32	21°19	8°27	9°35	24°36	6°44	19°15	17°54	16°50	22°18	2° 4	M25
T 26	10 49 21	14°12'14	2♒31	17°45	13°R34	22° 3	8°41	9°41	24°39	6°43	19°16	17°56	16°46	22°25	2° 0	T 26
W27	10 53 18	15°11'58	16°29	18°23	13°33	22°48	8°55	9°46	24°42	6°41	19°16	17°R57	16°43	22°31	1°55	W27
T 28	10 57 15	16°11'40	0♓52	19° 5	13°30	23°32	9° 9	9°52	24°44	6°40	19°17	17°56	16°40	22°38	1°51	T 28
F 29	11 1 11	17♓11'19	15♓36	19♒50	13♈25	24♉17	9♈23	9♉58	24♈47	6♏39	19♐17	17♒54	16♒37	22♎45	1♎46	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s 8	7s18	1n44	8s51	3n14	4n 6	3n 7	23s59	0s30	0n12	1s10	12n 5	2s13	8n44	0s32	18n39	0n 8	16s16	6n49	15s28	15s28	11s53	4s31	3s26
S 2	14 49	0 36	2 56	8 56	3 24	4 32	3 16	23 59	0 31	0 17	1 10	12 6	2 12	8 45	0 32	18 39	0 8	16 16	6 49	15 28	15 29	11 56	4 30	3 26
S 3	14 30	6n 9	3 57	9 5	3 33	4 57	3 25	23 58	0 32	0 22	1 10	12 8	2 12	8 45	0 31	18 39	0 8	16 16	6 49	15 28	15 30	11 59	4 29	3 26
M 4	14 10	12 33	4 42	9 18	3 40	5 22	3 34	23 57	0 32	0 28	1 10	12 9	2 12	8 46	0 31	18 40	0 8	16 16	6 49	15 28	15 31	12 2	4 28	3 26
T 5	13 51	18 12	5 9	9 34	3 44	5 46	3 43	23 56	0 33	0 33	1 10	12 10	2 11	8 47	0 31	18 40	0 8	16 16	6 49	15 29	15 32	12 5	4 27	3 26
W 6	13 31	22 46	5 17	9 53	3 46	6 10	3 53	23 54	0 34	0 38	1 10	12 12	2 11	8 48	0 31	18 41	0 8	16 16	6 49	15 29	15 33	12 8	4 26	3 26
T 7	13 11	25 56	5 6	10 15	3 46	6 33	4 2	23 52	0 35	0 43	1 10	12 13	2 11	8 49	0 31	18 41	0 8	16 16	6 50	15 29	15 34	12 11	4 25	3 26
F 8	12 50	27 31	4 37	10 38	3 43	6 56	4 12	23 50	0 36	0 48	1 9	12 15	2 11	8 49	0 31	18 42	0 8	16 16	6 50	15 29	15 35	12 14	4 23	3 26
S 9	12 29	27 26	3 54	11 3	3 39	7 19	4 21	23 48	0 37	0 54	1 9	12 17	2 10	8 50	0 31	18 42	0 8	16 16	6 50	15 28	15 36	12 17	4 22	3 25
S 10	12 9	25 46	2 58	11 28	3 32	7 41	4 31	23 46	0 37	0 59	1 9	12 18	2 10	8 51	0 31	18 42	0 8	16 16	6 50	15 28	15 37	12 20	4 21	3 25
M11	11 48	22 44	1 55	11 52	3 24	8 2	4 40	23 43	0 38	1 4	1 9	12 20	2 10	8 52	0 31	18 43	0 8	16 16	6 50	15 28	15 38	12 23	4 19	3 25
T 12	11 26	18 38	0 46	12 17	3 15	8 23	4 50	23 40	0 39	1 9	1 9	12 21	2 10	8 53	0 31	18 43	0 8	16 16	6 50	15 28	15 39	12 25	4 18	3 25
W13	11 5	13 46	0s23	12 41	3 4	8 43	5 0	23 37	0 40	1 15	1 9	12 23	2 9	8 54	0 31	18 44	0 8	16 16	6 50	15 27	15 40	12 28	4 16	3 25
T 14	10 44	8 25	1 30	13 4	2 52	9 2	5 9	23 34	0 41	1 20	1 9	12 25	2 9	8 55	0 31	18 44	0 8	16 16	6 50	15 28	15 41	12 31	4 15	3 25
F 15	10 22	2 50	2 33	13 25	2 40	9 21	5 19	23 30	0 42	1 25	1 9	12 26	2 9	8 56	0 31	18 44	0 8	16 16	6 50	15 28	15 42	12 34	4 13	3 25
S 16	10 0	2s47	3 27	13 45	2 26	9 39	5 29	23 26	0 42	1 31	1 8	12 28	2 9	8 56	0 31	18 45	0 8	16 16	6 51	15 29	15 43	12 37	4 12	3 25
S 17	9 38	8 13	4 12	14 3	2 13	9 56	5 38	23 22	0 43	1 36	1 8	12 30	2 8	8 57	0 31	18 45	0 8	16 16	6 51	15 30	15 44	12 40	4 10	3 25
M18	9 16	13 20	4 45	14 19	1 59	10 12	5 48	23 17	0 44	1 42	1 8	12 32	2 8	8 58	0 31	18 45	0 8	16 16	6 51	15 31	15 45	12 43	4 9	3 25
T 19	8 54	17 57	5 7	14 34	1 45	10 28	5 57	23 13	0 45	1 47	1 8	12 34	2 8	8 59	0 31	18 46	0 8	16 16	6 51	15 31	15 46	12 46	4 7	3 25
W20	8 31	21 54	5 15	14 47	1 31	10 42	6 7	23 8	0 46	1 53	1 8	12 35	2 8	9 0	0 31	18 46	0 8	16 16	6 51	15 32	15 47	12 49	4 5	3 24
T 21	8 9	24 57	5 9	14 57	1 17	10 56	6 16	23 3	0 47	1 58	1 8	12 37	2 7	9 1	0 31	18 47	0 8	16 16	6 51	15 33	15 48	12 52	4 3	3 24
F 22	7 46	26 56	4 50	15 6	1 4	11 9	6 25	22 57	0 48	2 4	1 8	12 39	2 7	9 2	0 31	18 47	0 8	16 16	6 51	15 33	15 48	12 55	4 2	3 24
S 23	7 23	27 38	4 17	15 13	0 50	11 21	6 34	22 52	0 48	2 9	1 8	12 41	2 7	9 3	0 31	18 47	0 8	16 16	6 51	15 33	15 49	12 57	4 0	3 24
S 24	7 0	26 55	3 31	15 18	0 37	11 31	6 43	22 46	0 49	2 15	1 8	12 43	2 7	9 4	0 31	18 48	0 8	16 16	6 52	15 32	15 50	13 0	3 58	3 24
M25	6 38	24 42	2 32	15 22	0 24	11 41	6 52	22 40	0 50	2 20	1 7	12 45	2 6	9 5	0 31	18 48	0 8	16 16	6 52	15 32	15 51	13 3	3 56	3 24
T 26	6 14	21 2	1 24	15 23	0 12	11 49	7 0	22 34	0 51	2 26	1 7	12 47	2 6	9 6	0 31	18 48	0 8	16 16	6 52	15 31	15 52	13 6	3 54	3 23
W27	5 51	16 5	0 8	15 23	0s 0	11 56	7 9	22 27	0 52	2 31	1 7	12 49	2 6	9 8	0 31	18 49	0 8	16 15	6 52	15 31	15 53	13 9	3 52	3 23
T 28	5 28	10 7	1n10	15 21	0 12	12 2	7 16	22 21	0 53	2 37	1 7	12 51	2 6	9 9	0 31	18 49	0 8	16 15	6 52	15 31	15 54	13 12	3 50	3 23
F 29	5s 5	3s27	2n26	15s17	0s23	12n 7	7n24	22s14	0s54	2n42	1s 7	12n53	2s 5	9n10	0s31	18n49	0n 8	16s15	6n52	15s32	15s55	13s15	3s48	3s23

Julian Day Number = 2182764.5, Delta T = 11m22s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'39, Lahiri = 13°35'39 Julian Calendar 1 Feb. 1264 == Greg. Calendar 8 Feb. 1264

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

MARCH 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 5 8	18♓10'57	0♈34	20♒39	13°R16	25♉ 2	9♈37	10♉ 4	24♈50	6°R38	19♐18	17°R51	16♒34	22♎51	1°R42	S 1
S 2	11 9 4	19°10'33	15°37	21°32	13♈ 6	25°46	9°51	10° 9	24°53	6♏36	19°18	17♒46	16°31	22°58	1♎37	S 2
M 3	11 13 1	20°10'06	0♉36	22°27	12°53	26°31	10° 5	10°15	24°56	6°35	19°19	17°42	16°27	23° 5	1°33	M 3
T 4	11 16 57	21° 9'37	15°22	23°25	12°37	27°16	10°19	10°21	24°59	6°34	19°19	17°37	16°24	23°11	1°28	T 4
W 5	11 20 54	22° 9'06	29°50	24°26	12°19	28° 0	10°33	10°27	25° 2	6°33	19°19	17°34	16°21	23°18	1°24	W 5
T 6	11 24 50	23° 8'33	13♊55	25°30	11°59	28°45	10°47	10°33	25° 5	6°32	19°20	17°32	16°18	23°25	1°19	T 6
F 7	11 28 47	24° 7'57	27°37	26°36	11°36	29°30	11° 1	10°40	25° 8	6°31	19°20	17°D32	16°15	23°32	1°14	F 7
S 8	11 32 43	25° 7'19	10♋57	27°44	11°11	0♒14	11°15	10°46	25°11	6°30	19°20	17°33	16°12	23°38	1°10	S 8
S 9	11 36 40	26° 6'39	23°57	28°55	10°44	0°59	11°29	10°52	25°14	6°29	19°20	17°34	16° 8	23°45	1° 5	S 9
M10	11 40 37	27° 5'56	6♌40	0♓ 8	10°15	1°44	11°44	10°58	25°18	6°28	19°20	17°36	16° 5	23°52	1° 0	M10
T 11	11 44 33	28° 5'11	19° 9	1°22	9°44	2°29	11°58	11° 5	25°21	6°27	19°20	17°R36	16° 2	23°58	0°55	T 11
W12	11 48 30	29° 4'23	1♍28	2°39	9°11	3°13	12°12	11°11	25°24	6°26	19°21	17°35	15°59	24° 5	0°51	W12
T 13	11 52 26	0♈ 3'33	13°37	3°58	8°37	3°58	12°26	11°18	25°27	6°25	19°21	17°32	15°56	24°12	0°46	T 13
F 14	11 56 23	1° 2'41	25°40	5°18	8° 2	4°43	12°41	11°24	25°30	6°25	19°R21	17°27	15°52	24°19	0°41	F 14
S 15	12 0 19	2° 1'47	7♎38	6°40	7°26	5°28	12°55	11°31	25°33	6°24	19°21	17°20	15°49	24°25	0°36	S 15
S 16	12 4 16	3° 0'51	19°32	8° 4	6°49	6°13	13° 9	11°37	25°37	6°23	19°21	17°11	15°46	24°32	0°32	S 16
M17	12 8 12	3°59'53	1♏24	9°30	6°11	6°58	13°24	11°44	25°40	6°22	19°21	17° 2	15°43	24°39	0°27	M17
T 18	12 12 9	4°58'53	13°16	10°57	5°33	7°42	13°38	11°51	25°43	6°22	19°20	16°53	15°40	24°45	0°22	T 18
W19	12 16 6	5°57'51	25°11	12°26	4°55	8°27	13°52	11°58	25°47	6°21	19°20	16°45	15°37	24°52	0°17	W19
T 20	12 20 2	6°56'48	7♐10	13°57	4°17	9°12	14° 7	12° 5	25°50	6°20	19°20	16°39	15°33	24°59	0°13	T 20
F 21	12 23 59	7°55'42	19°19	15°29	3°40	9°57	14°21	12°11	25°53	6°20	19°20	16°35	15°30	25° 6	0° 8	F 21
S 22	12 27 55	8°54'35	1♑40	17° 3	3° 3	10°42	14°35	12°18	25°57	6°19	19°20	16°33	15°27	25°12	0° 3	S 22
S 23	12 31 52	9°53'26	14°18	18°38	2°28	11°27	14°50	12°25	26° 0	6°18	19°19	16°D33	15°24	25°19	29♍59	S 23
M24	12 35 48	10°52'15	27°18	20°15	1°53	12°12	15° 4	12°32	26° 3	6°18	19°19	16°34	15°21	25°26	29°54	M24
T 25	12 39 45	11°51'03	10♒42	21°53	1°20	12°57	15°19	12°40	26° 7	6°17	19°19	16°R35	15°18	25°32	29°50	T 25
W26	12 43 41	12°49'49	24°35	23°33	0°49	13°41	15°33	12°47	26°10	6°17	19°18	16°35	15°14	25°39	29°45	W26
T 27	12 47 38	13°48'33	8♓57	25°15	0°19	14°26	15°47	12°54	26°13	6°16	19°18	16°33	15°11	25°46	29°40	T 27
F 28	12 51 35	14°47'15	23°43	26°58	29♓51	15°11	16° 2	13° 1	26°17	6°16	19°18	16°28	15° 8	25°53	29°36	F 28
S 29	12 55 31	15°45'55	8♈50	28°43	29°25	15°56	16°16	13° 8	26°20	6°16	19°17	16°21	15° 5	25°59	29°32	S 29
S 30	12 59 28	16°44'33	24° 7	0♈29	29° 1	16°41	16°31	13°15	26°24	6°15	19°17	16°13	15° 2	26° 6	29°27	S 30
M31	13 3 24	17♈43'10	9♉23	2♈17	28♓40	17♒26	16♈45	13♉23	26♈27	6♏15	19♐16	16♒ 4	14♒58	26♎13	29♍23	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s41	3n28	3n32	15s12	0s33	12n10	7n31	22s 6	0s55	2n48	1s 7	12n55	2s 5	9n11	0s31	18n50	0n 8	16s15	6n52	15s33	15s56	13s18	3s47	3s23
S 2	4 18	10 14	4 24	15 4	0 44	12 12	7 38	21 59	0 55	2 53	1 7	12 57	2 5	9 12	0 31	18 50	0 8	16 15	6 52	15 34	15 57	13 20	3 44	3 22
M 3	3 55	16 23	4 58	14 56	0 53	12 13	7 44	21 51	0 56	2 59	1 7	12 59	2 5	9 13	0 31	18 50	0 8	16 15	6 53	15 36	15 58	13 23	3 42	3 22
T 4	3 31	21 28	5 12	14 45	1 3	12 12	7 49	21 44	0 57	3 5	1 7	13 1	2 5	9 14	0 31	18 50	0 8	16 15	6 53	15 37	15 59	13 26	3 40	3 22
W 5	3 8	25 9	5 5	14 33	1 11	12 9	7 54	21 36	0 58	3 10	1 7	13 3	2 4	9 15	0 31	18 51	0 8	16 15	6 53	15 38	16 0	13 29	3 38	3 22
T 6	2 44	27 11	4 40	14 20	1 20	12 5	7 59	21 27	0 59	3 16	1 7	13 5	2 4	9 16	0 31	18 51	0 8	16 15	6 53	15 38	16 1	13 32	3 36	3 21
F 7	2 20	27 30	3 59	14 4	1 28	11 59	8 3	21 19	1 0	3 22	1 6	13 7	2 4	9 17	0 31	18 51	0 8	16 15	6 53	15 39	16 2	13 35	3 34	3 21
S 8	1 57	26 11	3 6	13 48	1 35	11 52	8 6	21 10	1 1	3 27	1 6	13 9	2 4	9 19	0 31	18 51	0 8	16 14	6 53	15 38	16 3	13 37	3 32	3 21
S 9	1 33	23 27	2 5	13 29	1 42	11 44	8 8	21 1	1 2	3 33	1 6	13 11	2 4	9 20	0 31	18 52	0 8	16 14	6 53	15 38	16 4	13 40	3 30	3 21
M10	1 9	19 38	0 59	13 10	1 48	11 34	8 9	20 52	1 2	3 38	1 6	13 13	2 3	9 21	0 31	18 52	0 8	16 14	6 53	15 37	16 5	13 43	3 28	3 20
T 11	0 46	15 0	0s 8	12 49	1 54	11 22	8 10	20 43	1 3	3 44	1 6	13 16	2 3	9 22	0 31	18 52	0 8	16 14	6 54	15 37	16 6	13 46	3 26	3 20
W12	0 22	9 50	1 15	12 26	2 0	11 9	8 10	20 33	1 4	3 50	1 6	13 18	2 3	9 23	0 31	18 52	0 8	16 14	6 54	15 38	16 7	13 49	3 23	3 20
T 13	0n 1	4 22	2 16	12 2	2 5	10 55	8 9	20 24	1 5	3 55	1 6	13 20	2 3	9 24	0 31	18 53	0 8	16 14	6 54	15 38	16 8	13 52	3 21	3 19
F 14	0 25	1s12	3 11	11 37	2 9	10 39	8 7	20 14	1 6	4 1	1 6	13 22	2 3	9 26	0 31	18 53	0 8	16 14	6 54	15 40	16 9	13 54	3 19	3 19
S 15	0 49	6 40	3 57	11 10	2 13	10 22	8 4	20 4	1 7	4 7	1 6	13 24	2 3	9 27	0 31	18 53	0 8	16 14	6 54	15 42	16 10	13 57	3 17	3 19
S 16	1 12	11 52	4 32	10 41	2 17	10 3	8 1	19 53	1 8	4 12	1 6	13 27	2 2	9 28	0 30	18 53	0 8	16 14	6 54	15 45	16 10	14 0	3 15	3 18
M17	1 36	16 37	4 56	10 12	2 20	9 44	7 56	19 43	1 8	4 18	1 6	13 29	2 2	9 29	0 30	18 54	0 8	16 13	6 54	15 48	16 11	14 3	3 12	3 18
T 18	1 59	20 45	5 6	9 41	2 22	9 24	7 50	19 32	1 9	4 23	1 6	13 31	2 2	9 30	0 30	18 54	0 8	16 13	6 54	15 50	16 12	14 6	3 10	3 18
W19	2 23	24 3	5 4	9 9	2 24	9 3	7 44	19 21	1 10	4 29	1 6	13 33	2 2	9 32	0 30	18 54	0 8	16 13	6 55	15 53	16 13	14 8	3 8	3 17
T 20	2 46	26 19	4 48	8 35	2 26	8 41	7 37	19 10	1 11	4 35	1 6	13 35	2 2	9 33	0 30	18 54	0 8	16 13	6 55	15 55	16 14	14 11	3 6	3 17
F 21	3 9	27 24	4 19	8 0	2 27	8 19	7 29	18 59	1 12	4 40	1 6	13 38	2 2	9 34	0 30	18 54	0 8	16 13	6 55	15 56	16 15	14 14	3 4	3 17
S 22	3 33	27 9	3 37	7 24	2 28	7 56	7 20	18 47	1 13	4 46	1 6	13 40	2 1	9 35	0 30	18 54	0 8	16 13	6 55	15 56	16 16	14 17	3 1	3 16
S 23	3 56	25 29	2 44	6 47	2 28	7 33	7 10	18 36	1 14	4 52	1 6	13 42	2 1	9 37	0 30	18 55	0 8	16 13	6 55	15 56	16 17	14 19	2 59	3 16
M24	4 19	22 27	1 42	6 8	2 27	7 10	7 0	18 24	1 15	4 57	1 5	13 45	2 1	9 38	0 30	18 55	0 8	16 12	6 55	15 56	16 18	14 22	2 57	3 15
T 25	4 42	18 8	0 31	5 28	2 26	6 47	6 49	18 12	1 15	5 3	1 5	13 47	2 1	9 39	0 30	18 55	0 8	16 12	6 55	15 56	16 19	14 25	2 55	3 15
W26	5 5	12 42	0n43	4 47	2 25	6 24	6 38	18 0	1 16	5 8	1 5	13 49	2 1	9 40	0 30	18 55	0 8	16 12	6 55	15 56	16 20	14 28	2 52	3 15
T 27	5 28	6 27	1 57	4 5	2 23	6 1	6 26	17 48	1 17	5 14	1 5	13 51	2 1	9 42	0 30	18 55	0 8	16 12	6 55	15 57	16 21	14 31	2 50	3 14
F 28	5 51	0n20	3 5	3 21	2 20	5 39	6 13	17 35	1 18	5 20	1 5	13 54	2 0	9 43	0 30	18 55	0 8	16 12	6 56	15 58	16 22	14 33	2 48	3 14
S 29	6 14	7 13	4 2	2 37	2 17	5 17	6 1	17 23	1 19	5 25	1 5	13 56	2 0	9 44	0 30	18 55	0 8	16 12	6 56	16 0	16 23	14 36	2 46	3 13
S 30	6 36	13 45	4 42	1 51	2 14	4 55	5 48	17 10	1 20	5 31	1 5	13 58	2 0	9 45	0 30	18 55	0 8	16 12	6 56	16 2	16 24	14 39	2 44	3 13
M31	6n59	19n26	5n 2	1s 4	2s10	4n34	5n34	16s57	1s20	5n36	1s 5	14n 1	2s 0	9n47	0s30	18n55	0n 8	16s11	6n56	16s 5	16s25	14s42	2s42	3s12

Julian Day Number = 2182793.5, Delta T = 11m22s
Ecliptic obliquity = 23°32'13, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'43, Lahiri = 13°35'43 Julian Calendar 1 March 1264 == Greg. Calendar 8 March 1264

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

APRIL 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 7 21	18♈41'44	24♉28	4♈ 7	28°R20	18♒11	16♈59	13♉30	26♈30	6°R15	19°R16	15°R55	14♒55	26♎19	29°R18	T 1
W 2	13 11 17	19°40'16	9♊12	5°58	28♓ 4	18°56	17°14	13°37	26°34	6♌14	19♐15	15♒48	14°52	26°26	29♍14	W 2
T 3	13 15 14	20°38'46	23°30	7°51	27°49	19°41	17°28	13°45	26°37	6°14	19°14	15°42	14°49	26°33	29°10	T 3
F 4	13 19 10	21°37'14	7♋19	9°45	27°37	20°25	17°43	13°52	26°41	6°14	19°14	15°40	14°46	26°40	29° 6	F 4
S 5	13 23 7	22°35'40	20°41	11°42	27°27	21°10	17°57	14° 0	26°44	6°14	19°13	15°D39	14°43	26°46	29° 2	S 5
S 6	13 27 4	23°34'03	3♌38	13°39	27°20	21°55	18°11	14° 7	26°48	6°14	19°13	15°39	14°39	26°53	28°58	S 6
M 7	13 31 0	24°32'25	16°14	15°38	27°15	22°40	18°26	14°15	26°51	6°14	19°12	15°R39	14°36	27° 0	28°54	M 7
T 8	13 34 57	25°30'44	28°34	17°39	27°13	23°25	18°40	14°22	26°55	6°14	19°11	15°38	14°33	27° 6	28°50	T 8
W 9	13 38 53	26°29'01	10♍43	19°41	27°D13	24°10	18°54	14°30	26°58	6°D14	19°10	15°36	14°30	27°13	28°46	W 9
T 10	13 42 50	27°27'16	22°43	21°45	27°15	24°54	19° 9	14°37	27° 1	6°14	19°10	15°30	14°27	27°20	28°42	T 10
F 11	13 46 46	28°25'29	4♎38	23°50	27°20	25°39	19°23	14°45	27° 5	6°14	19° 9	15°22	14°23	27°27	28°39	F 11
S 12	13 50 43	29°23'40	16°31	25°56	27°26	26°24	19°37	14°53	27° 8	6°14	19° 8	15°12	14°20	27°33	28°35	S 12
S 13	13 54 39	0♏21'49	28°23	28° 4	27°35	27° 9	19°52	15° 0	27°12	6°14	19° 7	14°59	14°17	27°40	28°31	S 13
M14	13 58 36	1°19'57	10♏16	0♏12	27°47	27°53	20° 6	15° 8	27°15	6°14	19° 6	14°45	14°14	27°47	28°28	M14
T 15	14 2 32	2°18'03	22°11	2°21	28° 0	28°38	20°20	15°15	27°19	6°14	19° 5	14°32	14°11	27°53	28°25	T 15
W16	14 6 29	3°16'07	4♐10	4°31	28°15	29°23	20°34	15°23	27°22	6°14	19° 4	14°20	14° 8	28° 0	28°21	W16
T 17	14 10 26	4°14'10	16°14	6°41	28°33	0♓ 8	20°48	15°31	27°26	6°15	19° 3	14°10	14° 4	28° 7	28°18	T 17
F 18	14 14 22	5°12'12	28°27	8°51	28°52	0°52	21° 3	15°39	27°29	6°15	19° 2	14° 3	14° 1	28°14	28°15	F 18
S 19	14 18 19	6°10'12	10♑50	11° 1	29°13	1°37	21°17	15°46	27°32	6°15	19° 1	13°58	13°58	28°20	28°12	S 19
S 20	14 22 15	7° 8'10	23°28	13°10	29°36	2°22	21°31	15°54	27°36	6°15	19° 0	13°56	13°55	28°27	28° 9	S 20
M21	14 26 12	8° 6'07	6♒25	15°19	0♈ 0	3° 6	21°45	16° 2	27°39	6°16	18°59	13°56	13°52	28°34	28° 6	M21
T 22	14 30 8	9° 4'03	19°43	17°26	0°26	3°51	21°59	16°10	27°43	6°16	18°58	13°56	13°49	28°41	28° 3	T 22
W23	14 34 5	10° 1'58	3♓27	19°32	0°54	4°36	22°13	16°17	27°46	6°17	18°57	13°55	13°45	28°47	28° 0	W23
T 24	14 38 2	10°59'51	17°38	21°37	1°23	5°20	22°27	16°25	27°50	6°17	18°56	13°52	13°42	28°54	27°58	T 24
F 25	14 41 58	11°57'43	2♈15	23°40	1°54	6° 5	22°41	16°33	27°53	6°18	18°55	13°47	13°39	29° 1	27°55	F 25
S 26	14 45 55	12°55'34	17°14	25°40	2°26	6°49	22°55	16°41	27°56	6°18	18°54	13°39	13°36	29° 7	27°53	S 26
S 27	14 49 51	13°53'23	2♉28	27°38	3° 0	7°34	23° 9	16°49	28° 0	6°19	18°52	13°29	13°33	29°14	27°51	S 27
M28	14 53 48	14°51'11	17°45	29°34	3°34	8°18	23°23	16°56	28° 3	6°19	18°51	13°18	13°29	29°21	27°48	M28
T 29	14 57 44	15°48'58	2♊54	1♊27	4°10	9° 3	23°37	17° 4	28° 6	6°20	18°50	13° 7	13°26	29°28	27°46	T 29
W30	15 1 41	16♉46'43	17♊46	3♊18	4♈48	9♓47	23♈51	17♉12	28♈10	6♌21	18♐49	12♒58	13♒23	29♎34	27♍44	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n21	23n49	5n 0	0s16	2s 5	4n14	5n21	16s44	1s21	5n42	1s 5	14n 3	2s 0	9n48	0s30	18n56	0n 8	16s11	6n56	16s 8	16s26	14s44	2s39	3s12
W 2	7 44	26 31	4 39	0n33	2 0	3 55	5 7	16 31	1 22	5 47	1 5	14 5	2 0	9 49	0 30	18 56	0 8	16 11	6 56	16 10	16 26	14 47	2 37	3 12
T 3	8 6	27 23	4 1	1 23	1 54	3 37	4 53	16 17	1 23	5 53	1 5	14 8	2 0	9 50	0 30	18 56	0 9	16 11	6 56	16 12	16 27	14 50	2 35	3 11
F 4	8 28	26 29	3 9	2 13	1 48	3 19	4 40	16 4	1 24	5 58	1 5	14 10	2 0	9 52	0 30	18 56	0 9	16 11	6 56	16 12	16 28	14 53	2 33	3 11
S 5	8 50	24 4	2 9	3 5	1 42	3 3	4 26	15 50	1 25	6 4	1 5	14 12	1 59	9 53	0 30	18 56	0 9	16 11	6 56	16 13	16 29	14 55	2 31	3 10
S 6	9 11	20 27	1 4	3 57	1 35	2 47	4 12	15 36	1 26	6 9	1 5	14 15	1 59	9 54	0 30	18 56	0 9	16 11	6 56	16 13	16 30	14 58	2 29	3 10
M 7	9 33	15 59	0s 3	4 51	1 27	2 33	3 58	15 22	1 26	6 15	1 5	14 17	1 59	9 55	0 30	18 56	0 9	16 10	6 57	16 13	16 31	15 1	2 27	3 9
T 8	9 54	10 57	1 8	5 44	1 19	2 19	3 45	15 8	1 27	6 20	1 5	14 19	1 59	9 57	0 30	18 56	0 9	16 10	6 57	16 13	16 32	15 3	2 25	3 9
W 9	10 15	5 36	2 9	6 39	1 11	2 7	3 31	14 54	1 28	6 26	1 5	14 22	1 59	9 58	0 30	18 56	0 9	16 10	6 57	16 14	16 33	15 6	2 23	3 8
T 10	10 37	0 6	3 3	7 33	1 2	1 55	3 18	14 40	1 29	6 31	1 5	14 24	1 59	9 59	0 30	18 56	0 9	16 10	6 57	16 15	16 34	15 9	2 21	3 8
F 11	10 57	5s21	3 49	8 28	0 53	1 45	3 4	14 26	1 30	6 37	1 5	14 26	1 59	10 0	0 30	18 56	0 9	16 10	6 57	16 18	16 35	15 11	2 19	3 7
S 12	11 18	10 34	4 24	9 24	0 43	1 36	2 51	14 11	1 30	6 42	1 5	14 28	1 59	10 2	0 30	18 56	0 9	16 10	6 57	16 21	16 36	15 14	2 17	3 7
S 13	11 39	15 25	4 48	10 19	0 33	1 28	2 39	13 56	1 31	6 48	1 5	14 31	1 59	10 3	0 30	18 56	0 9	16 10	6 57	16 24	16 37	15 17	2 15	3 6
M14	11 59	19 41	4 59	11 14	0 23	1 21	2 26	13 42	1 32	6 53	1 5	14 33	1 58	10 4	0 30	18 56	0 9	16 9	6 57	16 28	16 38	15 20	2 13	3 5
T 15	12 19	23 10	4 57	12 9	0 12	1 15	2 14	13 27	1 33	6 58	1 5	14 35	1 58	10 5	0 30	18 56	0 9	16 9	6 57	16 32	16 39	15 22	2 11	3 5
W16	12 39	25 41	4 43	13 3	0 2	1 10	2 2	13 12	1 34	7 4	1 5	14 38	1 58	10 7	0 30	18 56	0 9	16 9	6 57	16 36	16 39	15 25	2 10	3 4
T 17	12 59	27 3	4 15	13 56	0n 9	1 6	1 50	12 57	1 34	7 9	1 5	14 40	1 58	10 8	0 30	18 56	0 9	16 9	6 57	16 39	16 40	15 28	2 8	3 4
F 18	13 19	27 7	3 36	14 49	0 19	1 3	1 39	12 41	1 35	7 14	1 5	14 42	1 58	10 9	0 30	18 56	0 9	16 9	6 57	16 41	16 41	15 30	2 6	3 3
S 19	13 38	25 50	2 45	15 40	0 30	1 1	1 27	12 26	1 36	7 20	1 5	14 45	1 58	10 10	0 30	18 55	0 9	16 9	6 57	16 42	16 42	15 33	2 4	3 3
S 20	13 57	23 14	1 46	16 30	0 40	1 0	1 16	12 11	1 37	7 25	1 5	14 47	1 58	10 12	0 30	18 55	0 9	16 9	6 57	16 43	16 43	15 36	2 3	3 2
M21	14 16	19 23	0 40	17 18	0 51	1 0	1 6	11 55	1 37	7 30	1 5	14 49	1 58	10 13	0 30	18 55	0 9	16 9	6 58	16 43	16 44	15 38	2 1	3 2
T 22	14 35	14 29	0n31	18 4	1 1	1 1	0 55	11 40	1 38	7 35	1 5	14 52	1 58	10 14	0 30	18 55	0 9	16 8	6 58	16 43	16 45	15 41	1 59	3 1
W23	14 53	8 43	1 41	18 49	1 10	1 3	0 45	11 24	1 39	7 41	1 5	14 54	1 58	10 15	0 30	18 55	0 9	16 8	6 58	16 43	16 46	15 44	1 58	3 0
T 24	15 11	2 20	2 48	19 31	1 19	1 6	0 35	11 8	1 40	7 46	1 5	14 56	1 58	10 16	0 30	18 55	0 9	16 8	6 58	16 44	16 47	15 46	1 56	3 0
F 25	15 29	4n21	3 46	20 11	1 28	1 9	0 26	10 52	1 40	7 51	1 5	14 58	1 58	10 18	0 30	18 55	0 9	16 8	6 58	16 45	16 48	15 49	1 55	2 59
S 26	15 47	10 56	4 29	20 49	1 36	1 13	0 16	10 36	1 41	7 56	1 5	15 1	1 58	10 19	0 30	18 55	0 9	16 8	6 58	16 48	16 49	15 51	1 53	2 59
S 27	16 4	16 59	4 55	21 24	1 44	1 18	0 7	10 21	1 42	8 1	1 5	15 3	1 58	10 20	0 30	18 55	0 9	16 8	6 58	16 51	16 50	15 54	1 52	2 58
M28	16 22	21 58	4 59	21 56	1 51	1 24	0s 1	10 4	1 43	8 6	1 5	15 5	1 57	10 21	0 30	18 54	0 9	16 8	6 58	16 54	16 50	15 57	1 50	2 58
T 29	16 38	25 27	4 43	22 27	1 57	1 31	0 10	9 48	1 43	8 12	1 5	15 7	1 57	10 22	0 30	18 54	0 9	16 7	6 58	16 57	16 51	15 59	1 49	2 57
W30	16n55	27n 4	4n 7	22n54	2n 2	1n38	0s18	9s32	1s44	8n17	1s 5	15n10	1s57	10n24	0s30	18n54	0n 9	16s 7	6n58	16s59	16s52	16s 2	1s48	2s56

Julian Day Number = 2182824.5, Delta T = 11m22s
Ecliptic obliquity = 23°32'12, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'47, Lahiri = 13°35'48 Julian Calendar 1 Apr. 1264 == Greg. Calendar 8 Apr. 1264

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

MAY 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 5 37	17♉44'27	2♋12	5♊ 5	5♈26	10♓32	24♈ 4	17♉20	28♈13	6♎21	18°R47	12°R51	13♒20	29♎41	27°R42	T 1
F 2	15 9 34	18°42'09	16°10	6°50	6° 6	11°16	24°18	17°28	28°16	6°22	18♐46	12♒47	13°17	29°48	27♍41	F 2
S 3	15 13 31	19°39'49	29°38	8°32	6°46	12° 0	24°32	17°35	28°20	6°23	18°45	12°45	13°14	29°54	27°39	S 3
S 4	15 17 27	20°37'28	12♌39	10°10	7°28	12°44	24°45	17°43	28°23	6°24	18°43	12°D45	13°10	0♏ 1	27°37	S 4
M 5	15 21 24	21°35'05	25°16	11°45	8°10	13°29	24°59	17°51	28°26	6°24	18°42	12°R45	13° 7	0° 8	27°36	M 5
T 6	15 25 20	22°32'41	7♍35	13°18	8°54	14°13	25°13	17°59	28°29	6°25	18°41	12°44	13° 4	0°15	27°34	T 6
W 7	15 29 17	23°30'15	19°41	14°46	9°38	14°57	25°26	18° 7	28°33	6°26	18°39	12°42	13° 1	0°21	27°33	W 7
T 8	15 33 13	24°27'48	1♎38	16°12	10°23	15°41	25°39	18°14	28°36	6°27	18°38	12°37	12°58	0°28	27°32	T 8
F 9	15 37 10	25°25'19	13°30	17°34	11° 9	16°25	25°53	18°22	28°39	6°28	18°37	12°29	12°55	0°35	27°31	F 9
S 10	15 41 6	26°22'49	25°21	18°53	11°56	17° 9	26° 6	18°30	28°42	6°29	18°35	12°19	12°51	0°41	27°30	S 10
S 11	15 45 3	27°20'18	7♏14	20° 9	12°44	17°53	26°20	18°38	28°45	6°30	18°34	12° 7	12°48	0°48	27°29	S 11
M12	15 49 0	28°17'46	19°10	21°21	13°33	18°37	26°33	18°45	28°48	6°31	18°32	11°54	12°45	0°55	27°28	M12
T 13	15 52 56	29°15'13	1♐11	22°29	14°22	19°21	26°46	18°53	28°51	6°32	18°31	11°41	12°42	1° 2	27°28	T 13
W14	15 56 53	0♊12'38	13°18	23°34	15°12	20° 5	26°59	19° 1	28°55	6°33	18°29	11°29	12°39	1° 8	27°27	W14
T 15	16 0 49	1°10'03	25°33	24°36	16° 2	20°48	27°12	19° 9	28°58	6°34	18°28	11°20	12°35	1°15	27°27	T 15
F 16	16 4 46	2° 7'27	7♑56	25°33	16°54	21°32	27°25	19°16	29° 1	6°36	18°27	11°13	12°32	1°22	27°26	F 16
S 17	16 8 42	3° 4'50	20°29	26°27	17°45	22°16	27°38	19°24	29° 4	6°37	18°25	11° 9	12°29	1°29	27°26	S 17
S 18	16 12 39	4° 2'12	3♒15	27°17	18°38	22°59	27°51	19°32	29° 7	6°38	18°24	11° 7	12°26	1°35	27°D26	S 18
M19	16 16 35	4°59'34	16°16	28° 4	19°31	23°43	28° 4	19°39	29°10	6°39	18°22	11°D 7	12°23	1°42	27°26	M19
T 20	16 20 32	5°56'55	29°35	28°46	20°25	24°26	28°17	19°47	29°13	6°40	18°21	11°R 7	12°20	1°49	27°26	T 20
W21	16 24 29	6°54'16	13♓15	29°24	21°19	25°10	28°30	19°55	29°15	6°42	18°19	11° 7	12°16	1°55	27°27	W21
T 22	16 28 25	7°51'36	27°16	29°58	22°13	25°53	28°42	20° 2	29°18	6°43	18°18	11° 6	12°13	2° 2	27°27	T 22
F 23	16 32 22	8°48'55	11♈40	0♋27	23° 9	26°37	28°55	20°10	29°21	6°44	18°16	11° 2	12°10	2° 9	27°28	F 23
S 24	16 36 18	9°46'14	26°22	0°52	24° 4	27°20	29° 8	20°17	29°24	6°46	18°14	10°56	12° 7	2°16	27°28	S 24
S 25	16 40 15	10°43'33	11♉18	1°13	25° 0	28° 3	29°20	20°25	29°27	6°47	18°13	10°48	12° 4	2°22	27°29	S 25
M26	16 44 11	11°40'52	26°20	1°29	25°57	28°46	29°32	20°32	29°30	6°48	18°11	10°40	12° 1	2°29	27°30	M26
T 27	16 48 8	12°38'09	11♊18	1°41	26°54	29°29	29°45	20°40	29°32	6°50	18°10	10°31	11°57	2°36	27°31	T 27
W28	16 52 4	13°35'27	26° 3	1°48	27°51	0♈12	29°57	20°47	29°35	6°51	18° 8	10°24	11°54	2°42	27°32	W28
T 29	16 56 1	14°32'43	10♋27	1°R51	28°49	0°55	0♉ 9	20°55	29°38	6°53	18° 7	10°18	11°51	2°49	27°33	T 29
F 30	16 59 58	15°29'59	24°25	1°49	29°47	1°38	0°21	21° 2	29°40	6°54	18° 5	10°15	11°48	2°56	27°34	F 30
S 31	17 3 54	16♊27'14	7♌56	1♋42	0♉46	2♈21	0♉33	21♉ 9	29♈43	6♎56	18♐ 4	10°D14	11♒45	3♏ 3	27♍36	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n11	26n48	3n17	23n19	2n 7	1n46	0s26	9s16	1s45	8n22	1s 5	15n12	1s57	10n25	0s30	18n54	0n 9	16s 7	6n58	17s 1	16s53	16s 5	1s46	2s56
F 2	17 28	24 48	2 16	23 42	2 11	1 55	0 34	9 0	1 46	8 27	1 5	15 14	1 57	10 26	0 30	18 54	0 9	16 7	6 58	17 3	16 54	16 7	1 45	2 55
S 3	17 43	21 26	1 9	24 2	2 14	2 4	0 41	8 43	1 46	8 32	1 6	15 16	1 57	10 27	0 30	18 54	0 9	16 7	6 58	17 3	16 55	16 10	1 44	2 55
S 4	17 59	17 5	0 1	24 19	2 17	2 14	0 48	8 27	1 47	8 37	1 6	15 19	1 57	10 28	0 30	18 53	0 9	16 7	6 58	17 3	16 56	16 12	1 43	2 54
M 5	18 14	12 7	1s 6	24 34	2 18	2 24	0 55	8 11	1 48	8 42	1 6	15 21	1 57	10 30	0 30	18 53	0 9	16 7	6 58	17 3	16 57	16 15	1 41	2 53
T 6	18 29	6 47	2 7	24 47	2 19	2 35	1 2	7 54	1 48	8 46	1 6	15 23	1 57	10 31	0 30	18 53	0 9	16 7	6 58	17 3	16 58	16 18	1 40	2 53
W 7	18 43	1 19	3 2	24 58	2 19	2 47	1 8	7 38	1 49	8 51	1 6	15 25	1 57	10 32	0 30	18 53	0 9	16 7	6 58	17 4	16 59	16 20	1 39	2 52
T 8	18 58	4s 8	3 48	25 7	2 18	2 59	1 15	7 21	1 50	8 56	1 6	15 27	1 57	10 33	0 30	18 53	0 9	16 6	6 58	17 5	17 0	16 23	1 38	2 52
F 9	19 12	9 24	4 24	25 13	2 17	3 12	1 21	7 4	1 50	9 1	1 6	15 30	1 57	10 34	0 30	18 52	0 9	16 6	6 58	17 8	17 0	16 25	1 37	2 51
S 10	19 25	14 18	4 48	25 18	2 14	3 25	1 26	6 48	1 51	9 6	1 6	15 32	1 57	10 35	0 30	18 52	0 9	16 6	6 58	17 10	17 1	16 28	1 36	2 50
S 11	19 39	18 41	4 59	25 20	2 11	3 38	1 32	6 31	1 51	9 11	1 6	15 34	1 57	10 36	0 30	18 52	0 9	16 6	6 58	17 14	17 2	16 30	1 35	2 50
M12	19 52	22 22	4 58	25 21	2 6	3 52	1 37	6 14	1 52	9 15	1 6	15 36	1 57	10 37	0 30	18 52	0 9	16 6	6 58	17 17	17 3	16 33	1 34	2 49
T 13	20 4	25 6	4 44	25 21	2 1	4 7	1 42	5 58	1 53	9 20	1 6	15 38	1 57	10 38	0 30	18 51	0 9	16 6	6 58	17 21	17 4	16 36	1 34	2 48
W14	20 17	26 43	4 16	25 18	1 56	4 22	1 47	5 41	1 53	9 25	1 6	15 40	1 57	10 40	0 30	18 51	0 9	16 6	6 58	17 24	17 5	16 38	1 33	2 48
T 15	20 29	27 4	3 37	25 14	1 49	4 37	1 52	5 24	1 54	9 29	1 6	15 42	1 57	10 41	0 30	18 51	0 9	16 6	6 58	17 27	17 6	16 41	1 32	2 47
F 16	20 40	26 4	2 46	25 9	1 41	4 52	1 56	5 7	1 55	9 34	1 6	15 44	1 57	10 42	0 30	18 51	0 9	16 6	6 58	17 29	17 7	16 43	1 31	2 47
S 17	20 51	23 44	1 47	25 2	1 33	5 8	2 0	4 51	1 55	9 39	1 6	15 46	1 57	10 43	0 30	18 50	0 9	16 6	6 58	17 30	17 8	16 46	1 31	2 46
S 18	21 2	20 11	0 42	24 55	1 24	5 25	2 4	4 34	1 56	9 43	1 6	15 49	1 57	10 44	0 30	18 50	0 9	16 5	6 58	17 31	17 9	16 48	1 30	2 45
M19	21 13	15 35	0n27	24 45	1 14	5 41	2 8	4 17	1 56	9 48	1 6	15 51	1 57	10 45	0 30	18 50	0 9	16 5	6 58	17 31	17 9	16 51	1 30	2 45
T 20	21 23	10 9	1 37	24 35	1 3	5 58	2 12	4 0	1 57	9 52	1 6	15 53	1 57	10 46	0 30	18 49	0 9	16 5	6 58	17 30	17 10	16 53	1 29	2 44
W21	21 33	4 7	2 42	24 24	0 52	6 15	2 15	3 43	1 57	9 57	1 7	15 55	1 57	10 47	0 30	18 49	0 9	16 5	6 58	17 30	17 11	16 56	1 29	2 44
T 22	21 43	2n16	3 40	24 12	0 40	6 33	2 19	3 27	1 58	10 1	1 7	15 57	1 57	10 48	0 30	18 49	0 9	16 5	6 57	17 31	17 12	16 58	1 28	2 43
F 23	21 52	8 42	4 25	23 59	0 27	6 50	2 22	3 10	1 58	10 6	1 7	15 59	1 57	10 49	0 30	18 48	0 9	16 5	6 57	17 32	17 13	17 1	1 28	2 42
S 24	22 0	14 47	4 54	23 46	0 14	7 8	2 25	2 53	1 59	10 10	1 7	16 1	1 57	10 50	0 30	18 48	0 9	16 5	6 57	17 33	17 14	17 3	1 28	2 42
S 25	22 9	20 5	5 4	23 31	0s 1	7 26	2 27	2 36	1 59	10 14	1 7	16 3	1 57	10 51	0 30	18 48	0 9	16 5	6 57	17 36	17 15	17 6	1 27	2 41
M26	22 17	24 9	4 53	23 16	0 15	7 44	2 30	2 19	2 0	10 19	1 7	16 5	1 57	10 52	0 30	18 47	0 9	16 5	6 57	17 38	17 16	17 8	1 27	2 40
T 27	22 24	26 33	4 22	23 1	0 31	8 2	2 32	2 3	2 0	10 23	1 7	16 7	1 57	10 53	0 30	18 47	0 9	16 5	6 57	17 40	17 17	17 11	1 27	2 40
W28	22 31	27 2	3 33	22 45	0 46	8 21	2 35	1 46	2 1	10 27	1 7	16 8	1 57	10 54	0 30	18 47	0 9	16 5	6 57	17 42	17 17	17 13	1 27	2 39
T 29	22 38	25 39	2 32	22 29	1 2	8 40	2 37	1 29	2 1	10 31	1 7	16 10	1 57	10 55	0 30	18 46	0 9	16 5	6 57	17 44	17 18	17 16	1 27	2 39
F 30	22 45	22 42	1 24	22 13	1 19	8 58	2 38	1 13	2 2	10 36	1 7	16 12	1 57	10 56	0 30	18 46	0 9	16 5	6 57	17 45	17 19	17 18	1 27	2 38
S 31	22n51	18n33	0n12	21n56	1s35	9n17	2s40	0s56	2s 2	10n40	1s 7	16n14	1s57	10n57	0s30	18n45	0n 9	16s 5	6n57	17s45	17s20	17s21	1s27	2s37

Julian Day Number = 2182854.5, Delta T = 11m21s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'51, Lahiri = 13°35'52 Julian Calendar 1 May 1264 == Greg. Calendar 8 May 1264

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

JUNE 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 7 51	17♊24'29	21♌ 1	1°R32	1♉45	3♈ 3	0♉45	21♉17	29♈46	6♌57	18°R 2	10♒14	11♒41	3♏ 9	27♍37	S 1
M 2	17 11 47	18°21'42	3♍42	1♋17	2°44	3°46	0°57	21°24	29°48	6°59	18♐ 0	10°15	11°38	3°16	27°39	M 2
T 3	17 15 44	19°18'55	16° 4	0°58	3°44	4°28	1° 9	21°31	29°51	7° 1	17°59	10°R16	11°35	3°23	27°40	T 3
W 4	17 19 40	20°16'07	28°12	0°35	4°44	5°11	1°21	21°38	29°53	7° 2	17°57	10°16	11°32	3°30	27°42	W 4
T 5	17 23 37	21°13'19	10♎ 9	0°10	5°44	5°53	1°32	21°45	29°56	7° 4	17°56	10°14	11°29	3°36	27°44	T 5
F 6	17 27 33	22°10'30	22° 2	29♊41	6°45	6°35	1°44	21°53	29°58	7° 6	17°54	10°10	11°26	3°43	27°46	F 6
S 7	17 31 30	23° 7'41	3♏54	29° 9	7°45	7°17	1°55	22° 0	0♉ 0	7° 7	17°53	10° 4	11°22	3°50	27°48	S 7
S 8	17 35 27	24° 4'51	15°49	28°36	8°47	7°59	2° 7	22° 7	0° 3	7° 9	17°51	9°57	11°19	3°56	27°51	S 8
M 9	17 39 23	25° 2'01	27°50	28° 1	9°48	8°41	2°18	22°14	0° 5	7°11	17°50	9°49	11°16	4° 3	27°53	M 9
T 10	17 43 20	25°59'10	9♐58	27°26	10°50	9°23	2°29	22°21	0° 7	7°13	17°48	9°41	11°13	4°10	27°56	T 10
W11	17 47 16	26°56'20	22°16	26°50	11°52	10° 5	2°40	22°28	0°10	7°14	17°46	9°33	11°10	4°17	27°58	W11
T 12	17 51 13	27°53'29	4♑44	26°14	12°54	10°46	2°51	22°35	0°12	7°16	17°45	9°28	11° 7	4°23	28° 1	T 12
F 13	17 55 9	28°50'38	17°23	25°39	13°57	11°28	3° 2	22°41	0°14	7°18	17°43	9°24	11° 3	4°30	28° 4	F 13
S 14	17 59 6	29°47'47	0♒14	25° 6	15° 0	12°10	3°13	22°48	0°16	7°20	17°42	9°22	11° 0	4°37	28° 7	S 14
S 15	18 3 3	0♋44'57	13°17	24°35	16° 3	12°51	3°24	22°55	0°18	7°22	17°40	9°D21	10°57	4°44	28°10	S 15
M16	18 6 59	1°42'06	26°33	24° 7	17° 6	13°32	3°34	23° 2	0°20	7°23	17°39	9°22	10°54	4°50	28°13	M16
T 17	18 10 56	2°39'16	10♓ 3	23°42	18° 9	14°13	3°45	23° 8	0°22	7°25	17°37	9°24	10°51	4°57	28°16	T 17
W18	18 14 52	3°36'26	23°47	23°20	19°13	14°54	3°55	23°15	0°24	7°27	17°36	9°25	10°47	5° 4	28°19	W18
T 19	18 18 49	4°33'36	7♈46	23° 3	20°17	15°35	4° 5	23°21	0°26	7°29	17°34	9°R25	10°44	5°10	28°23	T 19
F 20	18 22 45	5°30'47	21°59	22°50	21°21	16°16	4°16	23°28	0°28	7°31	17°33	9°24	10°41	5°17	28°26	F 20
S 21	18 26 42	6°27'59	6♉25	22°42	22°26	16°57	4°26	23°34	0°30	7°33	17°31	9°22	10°38	5°24	28°30	S 21
S 22	18 30 38	7°25'10	20°59	22°D38	23°30	17°37	4°36	23°41	0°32	7°35	17°30	9°18	10°35	5°31	28°34	S 22
M23	18 34 35	8°22'23	5♊36	22°40	24°35	18°18	4°45	23°47	0°34	7°37	17°29	9°14	10°32	5°37	28°38	M23
T 24	18 38 32	9°19'36	20°10	22°47	25°40	18°58	4°55	23°53	0°35	7°39	17°27	9° 9	10°28	5°44	28°41	T 24
W25	18 42 28	10°16'49	4♋35	22°59	26°45	19°38	5° 5	24° 0	0°37	7°41	17°26	9° 6	10°25	5°51	28°45	W25
T 26	18 46 25	11°14'03	18°43	23°16	27°51	20°18	5°14	24° 6	0°39	7°43	17°24	9° 3	10°22	5°57	28°50	T 26
F 27	18 50 21	12°11'17	2♌32	23°39	28°56	20°58	5°24	24°12	0°40	7°45	17°23	9°D 2	10°19	6° 4	28°54	F 27
S 28	18 54 18	13° 8'32	15°58	24° 8	0♊ 2	21°38	5°33	24°18	0°42	7°47	17°22	9° 2	10°16	6°11	28°58	S 28
S 29	18 58 14	14° 5'46	29° 1	24°41	1° 8	22°17	5°42	24°24	0°43	7°49	17°20	9° 3	10°13	6°18	29° 3	S 29
M30	19 2 11	15♋ 3'01	11♍44	25♊21	2♊14	22♈57	5♉51	24♉30	0♉45	7♌51	17♐19	9♒ 4	10♒ 9	6♏24	29♍ 7	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n56	13n38	0s58	21n40	1s52	9n36	2s42	0s39	2s 3	10n44	1s 7	16n16	1s57	10n58	0s30	18n45	0n 9	16s 5	6n57	17s45	17s21	17s23	1s27	2s37
M 2	23 1	8 17	2 3	21 23	2 8	9 55	2 43	0 23	2 3	10 48	1 8	16 18	1 57	10 58	0 30	18 45	0 9	16 5	6 57	17 45	17 22	17 26	1 27	2 36
T 3	23 6	2 45	3 0	21 7	2 25	10 14	2 44	0 6	2 4	10 52	1 8	16 20	1 57	10 59	0 30	18 44	0 9	16 5	6 56	17 44	17 23	17 28	1 27	2 36
W 4	23 11	2s46	3 49	20 51	2 41	10 33	2 46	0n10	2 4	10 56	1 8	16 22	1 57	11 0	0 30	18 44	0 9	16 5	6 56	17 45	17 24	17 31	1 27	2 35
T 5	23 15	8 7	4 26	20 36	2 57	10 52	2 47	0 27	2 4	11 0	1 8	16 23	1 57	11 1	0 30	18 43	0 9	16 5	6 56	17 45	17 24	17 33	1 27	2 34
F 6	23 18	13 8	4 52	20 20	3 12	11 11	2 47	0 43	2 5	11 4	1 8	16 25	1 57	11 2	0 30	18 43	0 9	16 5	6 56	17 46	17 25	17 36	1 28	2 34
S 7	23 21	17 39	5 6	20 6	3 26	11 30	2 48	0 59	2 5	11 7	1 8	16 27	1 57	11 3	0 30	18 43	0 9	16 5	6 56	17 48	17 26	17 38	1 28	2 33
S 8	23 24	21 31	5 6	19 52	3 39	11 49	2 49	1 16	2 6	11 11	1 8	16 29	1 58	11 4	0 30	18 42	0 9	16 4	6 56	17 50	17 27	17 41	1 28	2 33
M 9	23 27	24 30	4 53	19 40	3 52	12 8	2 49	1 32	2 6	11 15	1 8	16 30	1 58	11 4	0 30	18 42	0 9	16 4	6 56	17 52	17 28	17 43	1 29	2 32
T 10	23 28	26 25	4 26	19 28	4 3	12 27	2 49	1 48	2 6	11 19	1 8	16 32	1 58	11 5	0 30	18 41	0 9	16 4	6 56	17 54	17 29	17 45	1 29	2 31
W11	23 30	27 5	3 47	19 17	4 13	12 46	2 49	2 4	2 7	11 23	1 9	16 34	1 58	11 6	0 31	18 41	0 9	16 4	6 55	17 56	17 30	17 48	1 30	2 31
T 12	23 31	26 23	2 56	19 8	4 21	13 5	2 49	2 20	2 7	11 26	1 9	16 35	1 58	11 7	0 31	18 40	0 9	16 4	6 55	17 57	17 31	17 50	1 30	2 30
F 13	23 32	24 19	1 56	19 0	4 28	13 24	2 49	2 36	2 7	11 30	1 9	16 37	1 58	11 7	0 31	18 40	0 9	16 5	6 55	17 59	17 32	17 53	1 31	2 30
S 14	23 32	20 59	0 49	18 53	4 34	13 42	2 49	2 52	2 7	11 33	1 9	16 39	1 58	11 8	0 31	18 40	0 9	16 5	6 55	17 59	17 32	17 55	1 31	2 29
S 15	23 32	16 34	0n21	18 48	4 38	14 1	2 49	3 8	2 8	11 37	1 9	16 40	1 58	11 9	0 31	18 39	0 9	16 5	6 55	17 59	17 33	17 57	1 32	2 28
M16	23 32	11 16	1 32	18 44	4 40	14 19	2 48	3 24	2 8	11 40	1 9	16 42	1 58	11 10	0 31	18 39	0 9	16 5	6 55	17 59	17 34	18 0	1 33	2 28
T 17	23 31	5 23	2 39	18 42	4 41	14 38	2 47	3 40	2 8	11 44	1 9	16 44	1 58	11 10	0 31	18 38	0 9	16 5	6 55	17 59	17 35	18 2	1 34	2 27
W18	23 29	0n52	3 38	18 42	4 41	14 56	2 47	3 55	2 9	11 47	1 9	16 45	1 58	11 11	0 31	18 38	0 9	16 5	6 54	17 58	17 36	18 5	1 34	2 27
T 19	23 27	7 9	4 26	18 43	4 38	15 13	2 46	4 11	2 9	11 51	1 10	16 47	1 58	11 12	0 31	18 37	0 9	16 5	6 54	17 58	17 37	18 7	1 35	2 26
F 20	23 25	13 12	4 57	18 46	4 35	15 31	2 45	4 26	2 9	11 54	1 10	16 48	1 58	11 12	0 31	18 37	0 9	16 5	6 54	17 58	17 38	18 9	1 36	2 26
S 21	23 23	18 36	5 11	18 50	4 30	15 49	2 44	4 42	2 9	11 57	1 10	16 50	1 58	11 13	0 31	18 36	0 9	16 5	6 54	17 59	17 38	18 12	1 37	2 25
S 22	23 20	22 59	5 5	18 56	4 24	16 6	2 43	4 57	2 9	12 0	1 10	16 51	1 59	11 13	0 31	18 36	0 9	16 5	6 54	18 0	17 39	18 14	1 38	2 24
M23	23 16	25 55	4 39	19 3	4 17	16 23	2 42	5 12	2 10	12 4	1 10	16 53	1 59	11 14	0 31	18 35	0 9	16 5	6 54	18 1	17 40	18 16	1 39	2 24
T 24	23 12	27 5	3 56	19 12	4 9	16 40	2 40	5 27	2 10	12 7	1 10	16 54	1 59	11 15	0 31	18 35	0 9	16 5	6 53	18 2	17 41	18 19	1 40	2 23
W25	23 8	26 25	2 57	19 22	3 59	16 56	2 39	5 42	2 10	12 10	1 10	16 56	1 59	11 15	0 31	18 34	0 9	16 5	6 53	18 3	17 42	18 21	1 41	2 23
T 26	23 4	24 1	1 49	19 33	3 49	17 12	2 37	5 57	2 10	12 13	1 10	16 57	1 59	11 16	0 31	18 34	0 9	16 5	6 53	18 4	17 43	18 24	1 42	2 22
F 27	22 58	20 15	0 36	19 45	3 38	17 28	2 36	6 12	2 10	12 16	1 11	16 59	1 59	11 16	0 31	18 33	0 9	16 5	6 53	18 4	17 44	18 26	1 43	2 22
S 28	22 53	15 31	0s38	19 58	3 27	17 44	2 34	6 27	2 10	12 19	1 11	17 0	1 59	11 17	0 31	18 33	0 9	16 5	6 53	18 4	17 45	18 28	1 45	2 21
S 29	22 47	10 11	1 48	20 11	3 14	17 59	2 32	6 42	2 10	12 22	1 11	17 1	1 59	11 17	0 31	18 32	0 9	16 5	6 52	18 4	17 45	18 31	1 46	2 21
M30	22n41	4n34	2s50	20n26	3s 2	18n14	2s30	6n56	2s11	12n25	1s11	17n 3	1s59	11n18	0s31	18n32	0n 9	16s 5	6n52	18s 4	17s46	18s33	1s47	2s20

Julian Day Number = 2182885.5, Delta T = 11m21s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°28'56, Lahiri = 13°35'56 Julian Calendar 1 June 1264 == Greg. Calendar 8 June 1264

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

JULY 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 6 7	16♋ 0'16	24♍ 8	26♊ 5	3♊20	23♈36	6♉ 0	24♉36	0♉46	7♎53	17°R18	9♒ 6	10♒ 6	6♏31	29♍12	T 1
W 2	19 10 4	16°57'31	6♎17	26°55	4°27	24°15	6° 9	24°42	0°47	7°55	17♐16	9° 7	10° 3	6°38	29°16	W 2
T 3	19 14 1	17°54'47	18°17	27°51	5°33	24°54	6°17	24°47	0°49	7°58	17°15	9°R 7	10° 0	6°45	29°21	T 3
F 4	19 17 57	18°52'03	0♏11	28°51	6°40	25°33	6°26	24°53	0°50	8° 0	17°14	9° 7	9°57	6°51	29°26	F 4
S 5	19 21 54	19°49'19	12° 5	29°57	7°47	26°12	6°34	24°59	0°51	8° 2	17°12	9° 6	9°53	6°58	29°31	S 5
S 6	19 25 50	20°46'36	24° 2	1♋ 7	8°53	26°50	6°43	25° 4	0°52	8° 4	17°11	9° 4	9°50	7° 5	29°36	S 6
M 7	19 29 47	21°43'53	6♐ 6	2°23	10° 1	27°29	6°51	25°10	0°54	8° 6	17°10	9° 1	9°47	7°11	29°41	M 7
T 8	19 33 43	22°41'11	18°21	3°43	11° 8	28° 7	6°59	25°15	0°55	8° 8	17° 9	8°59	9°44	7°18	29°46	T 8
W 9	19 37 40	23°38'29	0♑49	5° 8	12°15	28°45	7° 6	25°20	0°56	8°10	17° 8	8°56	9°41	7°25	29°52	W 9
T 10	19 41 36	24°35'49	13°31	6°37	13°23	29°23	7°14	25°26	0°57	8°13	17° 6	8°55	9°38	7°32	29°57	T 10
F 11	19 45 33	25°33'08	26°28	8°11	14°30	0♉ 0	7°22	25°31	0°58	8°15	17° 5	8°54	9°34	7°38	0♎ 2	F 11
S 12	19 49 30	26°30'29	9♒41	9°49	15°38	0°38	7°29	25°36	0°59	8°17	17° 4	8°D53	9°31	7°45	0° 8	S 12
S 13	19 53 26	27°27'51	23° 7	11°31	16°46	1°15	7°36	25°41	0°59	8°19	17° 3	8°54	9°28	7°52	0°14	S 13
M14	19 57 23	28°25'13	6♓46	13°17	17°54	1°52	7°43	25°46	1° 0	8°21	17° 2	8°54	9°25	7°59	0°19	M14
T 15	20 1 19	29°22'37	20°37	15° 5	19° 2	2°29	7°50	25°51	1° 1	8°24	17° 1	8°55	9°22	8° 5	0°25	T 15
W16	20 5 16	0♎20'02	4♈37	16°57	20°11	3° 6	7°57	25°56	1° 2	8°26	17° 0	8°56	9°19	8°12	0°31	W16
T 17	20 9 12	1°17'28	18°44	18°52	21°19	3°43	8° 4	26° 0	1° 2	8°28	16°59	8°57	9°15	8°19	0°37	T 17
F 18	20 13 9	2°14'55	2♉56	20°49	22°28	4°19	8°10	26° 5	1° 3	8°30	16°58	8°R57	9°12	8°25	0°43	F 18
S 19	20 17 5	3°12'24	17°12	22°47	23°37	4°55	8°17	26°10	1° 4	8°32	16°57	8°57	9° 9	8°32	0°49	S 19
S 20	20 21 2	4° 9'55	1♊27	24°48	24°45	5°31	8°23	26°14	1° 4	8°35	16°56	8°56	9° 6	8°39	0°55	S 20
M21	20 24 59	5° 7'26	15°40	26°49	25°54	6° 7	8°29	26°18	1° 5	8°37	16°55	8°56	9° 3	8°46	1° 1	M21
T 22	20 28 55	6° 5'00	29°46	28°52	27° 3	6°42	8°35	26°23	1° 5	8°39	16°54	8°55	8°59	8°52	1° 8	T 22
W23	20 32 52	7° 2'34	13♋43	0♎55	28°13	7°18	8°40	26°27	1° 5	8°41	16°53	8°55	8°56	8°59	1°14	W23
T 24	20 36 48	8° 0'10	27°27	2°58	29°22	7°53	8°46	26°31	1° 6	8°44	16°52	8°55	8°53	9° 6	1°21	T 24
F 25	20 40 45	8°57'47	10♎56	5° 1	0♋31	8°28	8°51	26°35	1° 6	8°46	16°52	8°55	8°50	9°13	1°27	F 25
S 26	20 44 41	9°55'25	24° 8	7° 4	1°41	9° 2	8°57	26°39	1° 6	8°48	16°51	8°55	8°47	9°19	1°34	S 26
S 27	20 48 38	10°53'04	7♍ 3	9° 7	2°50	9°36	9° 2	26°43	1° 6	8°50	16°50	8°55	8°44	9°26	1°40	S 27
M28	20 52 34	11°50'45	19°41	11° 9	4° 0	10°10	9° 6	26°47	1° 6	8°52	16°49	8°55	8°40	9°33	1°47	M28
T 29	20 56 31	12°48'27	2♎ 3	13°10	5°10	10°44	9°11	26°51	1° 6	8°55	16°49	8°54	8°37	9°39	1°54	T 29
W30	21 0 28	13°46'09	14°13	15°10	6°20	11°18	9°16	26°54	1°R 6	8°57	16°48	8°54	8°34	9°46	2° 1	W30
T 31	21 4 24	14♎43'53	26♎12	17♎ 9	7♋30	11♉51	9♉20	26♉58	1♉ 6	8♎59	16♐47	8♒53	8♒31	9♏53	2♎ 8	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n34	1s 4	3s43	20n40	2s48	18n29	2s28	7n11	2s11	12n27	1s11	17n 4	1s59	11n18	0s31	18n31	0n 9	16s 5	6n52	18s 3	17s47	18s35	1s49	2s19
W 2	22 27	6 33	4 25	20 55	2 35	18 43	2 26	7 25	2 11	12 30	1 11	17 5	2 0	11 19	0 31	18 31	0 9	16 6	6 52	18 3	17 48	18 38	1 50	2 19
T 3	22 20	11 43	4 54	21 10	2 21	18 57	2 24	7 39	2 11	12 33	1 12	17 6	2 0	11 19	0 31	18 30	0 9	16 6	6 52	18 3	17 49	18 40	1 51	2 18
F 4	22 12	16 26	5 11	21 25	2 7	19 11	2 22	7 53	2 11	12 35	1 12	17 8	2 0	11 20	0 31	18 29	0 9	16 6	6 51	18 3	17 50	18 42	1 53	2 18
S 5	22 4	20 30	5 14	21 40	1 52	19 24	2 20	8 7	2 11	12 38	1 12	17 9	2 0	11 20	0 31	18 29	0 9	16 6	6 51	18 3	17 51	18 44	1 54	2 17
S 6	21 55	23 46	5 4	21 54	1 38	19 37	2 17	8 21	2 11	12 41	1 12	17 10	2 0	11 21	0 31	18 28	0 9	16 6	6 51	18 4	17 51	18 47	1 56	2 17
M 7	21 46	26 1	4 40	22 7	1 24	19 49	2 15	8 35	2 11	12 43	1 12	17 11	2 0	11 21	0 31	18 28	0 9	16 6	6 51	18 4	17 52	18 49	1 57	2 16
T 8	21 37	27 4	4 4	22 20	1 9	20 1	2 12	8 49	2 11	12 46	1 12	17 13	2 0	11 21	0 31	18 27	0 9	16 6	6 50	18 5	17 53	18 51	1 59	2 16
W 9	21 27	26 47	3 15	22 31	0 55	20 12	2 10	9 2	2 11	12 48	1 12	17 14	2 0	11 22	0 31	18 27	0 9	16 6	6 50	18 6	17 54	18 54	2 1	2 15
T 10	21 17	25 6	2 16	22 41	0 41	20 24	2 7	9 16	2 11	12 50	1 13	17 15	2 0	11 22	0 31	18 26	0 9	16 6	6 50	18 6	17 55	18 56	2 2	2 15
F 11	21 7	22 4	1 8	22 49	0 28	20 34	2 5	9 29	2 11	12 53	1 13	17 16	2 1	11 22	0 31	18 26	0 9	16 7	6 50	18 6	17 56	18 58	2 4	2 14
S 12	20 56	17 50	0n 4	22 56	0 15	20 44	2 2	9 42	2 11	12 55	1 13	17 17	2 1	11 23	0 31	18 25	0 9	16 7	6 49	18 7	17 56	19 0	2 6	2 14
S 13	20 45	12 38	1 18	23 0	0 2	20 54	1 59	9 55	2 11	12 57	1 13	17 18	2 1	11 23	0 31	18 24	0 9	16 7	6 49	18 6	17 57	19 3	2 8	2 13
M14	20 34	6 46	2 28	23 3	0n10	21 3	1 56	10 8	2 10	12 59	1 13	17 19	2 1	11 23	0 31	18 24	0 9	16 7	6 49	18 6	17 58	19 5	2 9	2 13
T 15	20 22	0 30	3 31	23 3	0 22	21 12	1 53	10 21	2 10	13 1	1 13	17 20	2 1	11 23	0 31	18 23	0 9	16 7	6 49	18 6	17 59	19 7	2 11	2 12
W16	20 10	5n50	4 22	23 0	0 33	21 20	1 51	10 33	2 10	13 3	1 14	17 21	2 1	11 24	0 31	18 23	0 9	16 7	6 48	18 6	18 0	19 9	2 13	2 12
T 17	19 57	11 56	4 57	22 55	0 44	21 28	1 48	10 46	2 10	13 5	1 14	17 22	2 1	11 24	0 31	18 22	0 9	16 8	6 48	18 6	18 1	19 12	2 15	2 11
F 18	19 44	17 28	5 15	22 48	0 53	21 35	1 45	10 58	2 10	13 7	1 14	17 23	2 2	11 24	0 31	18 22	0 9	16 8	6 48	18 6	18 2	19 14	2 17	2 11
S 19	19 31	22 2	5 13	22 37	1 2	21 41	1 42	11 11	2 10	13 9	1 14	17 24	2 2	11 24	0 31	18 21	0 9	16 8	6 48	18 6	18 2	19 16	2 19	2 10
S 20	19 18	25 18	4 53	22 24	1 10	21 48	1 38	11 23	2 10	13 11	1 14	17 25	2 2	11 24	0 31	18 20	0 9	16 8	6 47	18 6	18 3	19 18	2 21	2 10
M21	19 4	26 58	4 14	22 9	1 17	21 53	1 35	11 35	2 9	13 13	1 15	17 26	2 2	11 24	0 31	18 20	0 9	16 8	6 47	18 6	18 4	19 21	2 23	2 9
T 22	18 50	26 52	3 20	21 50	1 24	21 58	1 32	11 47	2 9	13 14	1 15	17 27	2 2	11 25	0 31	18 19	0 9	16 8	6 47	18 6	18 5	19 23	2 25	2 9
W23	18 35	25 4	2 15	21 29	1 29	22 2	1 29	11 58	2 9	13 16	1 15	17 27	2 2	11 25	0 31	18 19	0 9	16 9	6 47	18 6	18 6	19 25	2 27	2 8
T 24	18 20	21 47	1 3	21 6	1 34	22 6	1 26	12 10	2 9	13 18	1 15	17 28	2 2	11 25	0 31	18 18	0 9	16 9	6 46	18 6	18 7	19 27	2 29	2 8
F 25	18 5	17 23	0s11	20 40	1 38	22 9	1 23	12 21	2 8	13 19	1 15	17 29	2 3	11 25	0 31	18 18	0 9	16 9	6 46	18 6	18 7	19 29	2 32	2 7
S 26	17 50	12 13	1 23	20 13	1 41	22 12	1 19	12 33	2 8	13 21	1 15	17 30	2 3	11 25	0 31	18 17	0 9	16 9	6 46	18 6	18 8	19 32	2 34	2 7
S 27	17 34	6 38	2 30	19 43	1 44	22 14	1 16	12 44	2 8	13 22	1 16	17 31	2 3	11 25	0 31	18 16	0 9	16 9	6 45	18 6	18 9	19 34	2 36	2 6
M28	17 18	0 56	3 27	19 11	1 45	22 16	1 13	12 55	2 7	13 23	1 16	17 31	2 3	11 25	0 31	18 16	0 9	16 10	6 45	18 6	18 10	19 36	2 38	2 6
T 29	17 2	4s42	4 14	18 38	1 46	22 17	1 10	13 6	2 7	13 25	1 16	17 32	2 3	11 25	0 31	18 15	0 9	16 10	6 45	18 6	18 11	19 38	2 41	2 6
W30	16 46	10 2	4 48	18 3	1 46	22 17	1 6	13 16	2 7	13 26	1 16	17 33	2 3	11 25	0 31	18 15	0 9	16 10	6 45	18 6	18 12	19 40	2 43	2 5
T 31	16n29	14s57	5s 9	17n26	1n46	22n17	1s 3	13n27	2s 6	13n27	1s16	17n33	2s 4	11n25	0s31	18n14	0n 9	16s10	6n44	18s 7	18s12	19s42	2s45	2s 5

Julian Day Number = 2182915.5, Delta T = 11m21s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'00, Lahiri = 13°36'00 Julian Calendar 1 July 1264 == Greg. Calendar 8 July 1264

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

AUGUST 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 8 21	15♌41'38	8♏ 7	19♌ 7	8♋40	12♉24	9♉24	27♉ 1	1°R 6	9♌ 1	16°R47	8°R53	8♒28	10♏ 0	2♎14	F 1
S 2	21 12 17	16°39'25	20° 0	21° 4	9°50	12°57	9°28	27° 4	1♉ 6	9° 4	16♐46	8°D53	8°25	10° 6	2°22	S 2
S 3	21 16 14	17°37'12	1♐57	22°59	11° 0	13°29	9°32	27° 8	1° 6	9° 6	16°46	8♒53	8°21	10°13	2°29	S 3
M 4	21 20 10	18°35'01	14° 2	24°53	12°11	14° 1	9°35	27°11	1° 6	9° 8	16°45	8°54	8°18	10°20	2°36	M 4
T 5	21 24 7	19°32'51	26°20	26°46	13°21	14°33	9°39	27°14	1° 6	9°10	16°45	8°55	8°15	10°26	2°43	T 5
W 6	21 28 3	20°30'42	8♑53	28°37	14°32	15° 5	9°42	27°17	1° 5	9°12	16°44	8°56	8°12	10°33	2°50	W 6
T 7	21 32 0	21°28'35	21°45	0♍28	15°42	15°36	9°45	27°20	1° 5	9°15	16°44	8°57	8° 9	10°40	2°58	T 7
F 8	21 35 57	22°26'29	4♒58	2°16	16°53	16° 7	9°48	27°22	1° 4	9°17	16°43	8°R57	8° 5	10°47	3° 5	F 8
S 9	21 39 53	23°24'25	18°30	4° 4	18° 4	16°38	9°51	27°25	1° 4	9°19	16°43	8°57	8° 2	10°53	3°12	S 9
S 10	21 43 50	24°22'22	2♓22	5°50	19°15	17° 8	9°53	27°28	1° 3	9°21	16°42	8°56	7°59	11° 0	3°20	S 10
M11	21 47 46	25°20'21	16°28	7°35	20°26	17°38	9°55	27°30	1° 3	9°23	16°42	8°54	7°56	11° 7	3°27	M11
T 12	21 51 43	26°18'21	0♈47	9°19	21°37	18° 8	9°57	27°32	1° 2	9°25	16°42	8°52	7°53	11°14	3°35	T 12
W13	21 55 39	27°16'23	15°11	11° 1	22°48	18°37	9°59	27°35	1° 2	9°28	16°42	8°50	7°50	11°20	3°42	W13
T 14	21 59 36	28°14'28	29°37	12°42	24° 0	19° 6	10° 1	27°37	1° 1	9°30	16°41	8°48	7°46	11°27	3°50	T 14
F 15	22 3 32	29°12'34	13♉59	14°22	25°11	19°35	10° 3	27°39	1° 0	9°32	16°41	8°46	7°43	11°34	3°58	F 15
S 16	22 7 29	0♍10'42	28°14	16° 1	26°23	20° 3	10° 4	27°41	0°59	9°34	16°41	8°D46	7°40	11°40	4° 6	S 16
S 17	22 11 26	1° 8'53	12♊20	17°38	27°34	20°31	10° 5	27°42	0°58	9°36	16°41	8°46	7°37	11°47	4°13	S 17
M18	22 15 22	2° 7'06	26°15	19°14	28°46	20°58	10° 6	27°44	0°57	9°38	16°41	8°47	7°34	11°54	4°21	M18
T 19	22 19 19	3° 5'20	9♋58	20°50	29°58	21°25	10° 7	27°46	0°57	9°40	16°41	8°49	7°31	12° 1	4°29	T 19
W20	22 23 15	4° 3'37	23°29	22°23	1♌10	21°52	10° 7	27°47	0°56	9°42	16°41	8°50	7°27	12° 7	4°37	W20
T 21	22 27 12	5° 1'56	6♌47	23°56	2°22	22°18	10° 7	27°49	0°54	9°44	16°D41	8°R51	7°24	12°14	4°45	T 21
F 22	22 31 8	6° 0'16	19°53	25°28	3°34	22°44	10°R 8	27°50	0°53	9°46	16°41	8°50	7°21	12°21	4°53	F 22
S 23	22 35 5	6°58'39	2♍46	26°58	4°46	23°10	10° 7	27°51	0°52	9°48	16°41	8°48	7°18	12°28	5° 1	S 23
S 24	22 39 1	7°57'03	15°26	28°27	5°58	23°35	10° 7	27°52	0°51	9°50	16°41	8°45	7°15	12°34	5° 9	S 24
M25	22 42 58	8°55'29	27°54	29°55	7°10	23°59	10° 7	27°53	0°50	9°52	16°41	8°41	7°11	12°41	5°17	M25
T 26	22 46 55	9°53'57	10♎10	1♎22	8°22	24°23	10° 6	27°54	0°49	9°54	16°41	8°35	7° 8	12°48	5°25	T 26
W27	22 50 51	10°52'27	22°16	2°48	9°35	24°47	10° 5	27°55	0°47	9°56	16°41	8°30	7° 5	12°54	5°34	W27
T 28	22 54 48	11°50'59	4♏14	4°12	10°47	25°10	10° 4	27°55	0°46	9°58	16°41	8°24	7° 2	13° 1	5°42	T 28
F 29	22 58 44	12°49'32	16° 7	5°35	12° 0	25°32	10° 3	27°56	0°45	10° 0	16°42	8°20	6°59	13° 8	5°50	F 29
S 30	23 2 41	13°48'07	27°59	6°57	13°12	25°54	10° 1	27°56	0°43	10° 2	16°42	8°17	6°56	13°15	5°58	S 30
S 31	23 6 37	14♍46'44	9♐54	8♎18	14♌25	26♉16	10♉ 0	27♉57	0♉42	10♌ 4	16♐42	8°D16	6♒52	13♏21	6♎ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n12	19s15	5s17	16n49	1n45	22n16	1s 0	13n37	2s 6	13n28	1s17	17n34	2s 4	11n25	0s31	18n14	0n 9	16s11	6n44	18s 7	18s13	19s45	2s48	2s 4
S 2	15 54	22 48	5 11	16 10	1 43	22 14	0 56	13 48	2 6	13 29	1 17	17 34	2 4	11 25	0 31	18 13	0 9	16 11	6 44	18 7	18 14	19 47	2 50	2 4
S 3	15 37	25 23	4 51	15 30	1 41	22 12	0 53	13 58	2 5	13 30	1 17	17 35	2 4	11 25	0 31	18 12	0 10	16 11	6 43	18 7	18 15	19 49	2 52	2 3
M 4	15 19	26 52	4 19	14 49	1 38	22 9	0 49	14 8	2 5	13 31	1 17	17 36	2 4	11 25	0 32	18 12	0 10	16 11	6 43	18 6	18 16	19 51	2 55	2 3
T 5	15 1	27 3	3 34	14 8	1 35	22 6	0 46	14 17	2 4	13 32	1 17	17 36	2 4	11 25	0 32	18 11	0 10	16 11	6 43	18 6	18 17	19 53	2 57	2 3
W 6	14 43	25 53	2 39	13 26	1 31	22 2	0 43	14 27	2 4	13 33	1 18	17 37	2 5	11 24	0 32	18 11	0 10	16 12	6 42	18 6	18 17	19 55	3 0	2 2
T 7	14 24	23 19	1 34	12 43	1 27	21 57	0 39	14 37	2 3	13 34	1 18	17 37	2 5	11 24	0 32	18 10	0 10	16 12	6 42	18 6	18 18	19 57	3 2	2 2
F 8	14 5	19 28	0 22	12 0	1 23	21 52	0 36	14 46	2 3	13 35	1 18	17 38	2 5	11 24	0 32	18 10	0 10	16 12	6 42	18 6	18 19	20 0	3 5	2 1
S 9	13 46	14 31	0n53	11 16	1 18	21 46	0 33	14 55	2 2	13 35	1 18	17 38	2 5	11 24	0 32	18 9	0 10	16 13	6 42	18 6	18 20	20 2	3 8	2 1
S 10	13 27	8 43	2 6	10 32	1 13	21 40	0 29	15 4	2 2	13 36	1 18	17 38	2 5	11 24	0 32	18 8	0 10	16 13	6 41	18 6	18 21	20 4	3 10	2 0
M11	13 8	2 24	3 12	9 48	1 7	21 33	0 26	15 13	2 1	13 36	1 18	17 39	2 5	11 23	0 32	18 8	0 10	16 13	6 41	18 6	18 22	20 6	3 13	2 0
T 12	12 48	4n 6	4 8	9 4	1 1	21 25	0 23	15 22	2 0	13 37	1 19	17 39	2 6	11 23	0 32	18 7	0 10	16 13	6 41	18 7	18 22	20 8	3 15	2 0
W13	12 28	10 26	4 48	8 19	0 55	21 17	0 19	15 31	2 0	13 37	1 19	17 39	2 6	11 23	0 32	18 7	0 10	16 14	6 40	18 7	18 23	20 10	3 18	1 59
T 14	12 8	16 13	5 11	7 34	0 49	21 8	0 16	15 39	1 59	13 38	1 19	17 40	2 6	11 23	0 32	18 6	0 10	16 14	6 40	18 8	18 24	20 12	3 21	1 59
F 15	11 48	21 5	5 13	6 50	0 43	20 58	0 13	15 48	1 58	13 38	1 19	17 40	2 6	11 22	0 32	18 6	0 10	16 14	6 40	18 8	18 25	20 14	3 24	1 58
S 16	11 27	24 40	4 57	6 5	0 36	20 48	0 10	15 56	1 58	13 38	1 19	17 40	2 6	11 22	0 32	18 5	0 10	16 14	6 39	18 9	18 26	20 16	3 26	1 58
S 17	11 7	26 42	4 22	5 21	0 29	20 38	0 6	16 4	1 57	13 38	1 20	17 41	2 6	11 22	0 32	18 5	0 10	16 15	6 39	18 8	18 26	20 18	3 29	1 58
M18	10 46	27 2	3 33	4 37	0 22	20 26	0 3	16 12	1 56	13 39	1 20	17 41	2 7	11 21	0 32	18 4	0 10	16 15	6 39	18 8	18 27	20 20	3 32	1 57
T 19	10 25	25 41	2 32	3 52	0 14	20 14	0n 0	16 20	1 56	13 39	1 20	17 41	2 7	11 21	0 32	18 3	0 10	16 15	6 39	18 8	18 28	20 22	3 35	1 57
W20	10 4	22 51	1 23	3 8	0 7	20 2	0 3	16 27	1 55	13 39	1 20	17 41	2 7	11 21	0 32	18 3	0 10	16 16	6 38	18 7	18 29	20 25	3 37	1 56
T 21	9 42	18 50	0 11	2 25	0s 0	19 49	0 6	16 35	1 54	13 38	1 20	17 41	2 7	11 20	0 32	18 2	0 10	16 16	6 38	18 7	18 30	20 27	3 40	1 56
F 22	9 21	13 57	1s 0	1 41	0 8	19 35	0 9	16 42	1 53	13 38	1 21	17 41	2 7	11 20	0 32	18 2	0 10	16 16	6 38	18 7	18 31	20 29	3 43	1 56
S 23	8 59	8 33	2 7	0 58	0 16	19 21	0 12	16 49	1 52	13 38	1 21	17 41	2 7	11 20	0 32	18 1	0 10	16 17	6 37	18 8	18 31	20 31	3 46	1 55
S 24	8 37	2 54	3 7	0 15	0 24	19 6	0 15	16 57	1 52	13 38	1 21	17 42	2 8	11 19	0 32	18 1	0 10	16 17	6 37	18 9	18 32	20 33	3 49	1 55
M25	8 15	2s46	3 56	0s27	0 32	18 51	0 18	17 3	1 51	13 38	1 21	17 42	2 8	11 19	0 32	18 0	0 10	16 17	6 37	18 10	18 33	20 35	3 52	1 55
T 26	7 53	8 14	4 34	1 9	0 40	18 35	0 21	17 10	1 50	13 37	1 21	17 42	2 8	11 18	0 32	18 0	0 10	16 18	6 36	18 11	18 34	20 37	3 55	1 54
W27	7 31	13 19	4 59	1 51	0 48	18 19	0 24	17 17	1 49	13 37	1 21	17 42	2 8	11 18	0 32	17 59	0 10	16 18	6 36	18 13	18 35	20 39	3 58	1 54
T 28	7 9	17 50	5 10	2 32	0 56	18 2	0 27	17 23	1 48	13 36	1 22	17 42	2 8	11 17	0 32	17 59	0 10	16 18	6 36	18 14	18 35	20 41	4 1	1 54
F 29	6 46	21 38	5 8	3 12	1 4	17 45	0 30	17 30	1 47	13 36	1 22	17 42	2 9	11 17	0 32	17 58	0 10	16 19	6 35	18 15	18 36	20 43	4 3	1 53
S 30	6 24	24 33	4 53	3 52	1 12	17 27	0 33	17 36	1 46	13 35	1 22	17 41	2 9	11 16	0 32	17 58	0 10	16 19	6 35	18 16	18 37	20 45	4 6	1 53
S 31	6n 1	26s24	4s25	4s31	1s20	17n 8	0n35	17n42	1s45	13n34	1s22	17n41	2s 9	11n16	0s32	17n57	0n10	16s19	6n35	18s16	18s38	20s47	4s 9	1s53

Julian Day Number = 2182946.5, Delta T = 11m21s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'04, Lahiri = 13°36'04 Julian Calendar 1 Aug. 1264 == Greg. Calendar 8 Aug. 1264

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

SEPTEMBER 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 10 34	15♍45'22	21♐56	9♎37	15♌38	26♉37	9°R58	27♉57	0°R40	10♌ 6	16♐43	8♒16	6♒49	13♏28	6♎15	M 1
T 2	23 14 30	16°44'03	4♑11	10°55	16°50	26°58	9♉56	27°R57	0♉39	10° 8	16°43	8°17	6°46	13°35	6°23	T 2
W 3	23 18 27	17°42'45	16°44	12°11	18° 3	27°18	9°53	27°57	0°37	10°10	16°43	8°18	6°43	13°41	6°32	W 3
T 4	23 22 24	18°41'29	29°38	13°26	19°16	27°37	9°51	27°57	0°35	10°12	16°44	8°20	6°40	13°48	6°40	T 4
F 5	23 26 20	19°40'14	12♒57	14°39	20°29	27°56	9°48	27°57	0°34	10°13	16°44	8°R20	6°36	13°55	6°49	F 5
S 6	23 30 17	20°39'01	26°42	15°51	21°42	28°14	9°45	27°56	0°32	10°15	16°45	8°18	6°33	14° 2	6°57	S 6
S 7	23 34 13	21°37'50	10♓51	17° 0	22°55	28°32	9°42	27°56	0°30	10°17	16°45	8°15	6°30	14° 8	7° 6	S 7
M 8	23 38 10	22°36'42	25°22	18° 8	24° 9	28°49	9°39	27°55	0°28	10°19	16°46	8°10	6°27	14°15	7°14	M 8
T 9	23 42 6	23°35'35	10♈ 7	19°14	25°22	29° 6	9°35	27°55	0°27	10°21	16°46	8° 3	6°24	14°22	7°23	T 9
W10	23 46 3	24°34'30	25° 0	20°17	26°35	29°22	9°32	27°54	0°25	10°22	16°47	7°56	6°21	14°29	7°31	W10
T 11	23 49 59	25°33'28	9♉50	21°19	27°49	29°37	9°28	27°53	0°23	10°24	16°48	7°49	6°17	14°35	7°40	T 11
F 12	23 53 56	26°32'28	24°32	22°17	29° 2	29°52	9°24	27°52	0°21	10°26	16°48	7°44	6°14	14°42	7°48	F 12
S 13	23 57 53	27°31'30	8♊58	23°13	0♍16	0♊ 6	9°20	27°51	0°19	10°27	16°49	7°40	6°11	14°49	7°57	S 13
S 14	0 1 49	28°30'35	23° 6	24° 6	1°29	0°19	9°15	27°50	0°17	10°29	16°50	7°D39	6° 8	14°55	8° 6	S 14
M15	0 5 46	29°29'42	6♋55	24°56	2°43	0°32	9°11	27°48	0°15	10°31	16°51	7°39	6° 5	15° 2	8°14	M15
T 16	0 9 42	0♎28'51	20°24	25°42	3°57	0°43	9° 6	27°47	0°13	10°32	16°51	7°40	6° 2	15° 9	8°23	T 16
W17	0 13 39	1°28'03	3♌37	26°25	5°10	0°55	9° 1	27°45	0°11	10°34	16°52	7°R41	5°58	15°16	8°31	W17
T 18	0 17 35	2°27'17	16°35	27° 3	6°24	1° 5	8°56	27°44	0° 9	10°35	16°53	7°40	5°55	15°22	8°40	T 18
F 19	0 21 32	3°26'33	29°20	27°36	7°38	1°15	8°51	27°42	0° 7	10°37	16°54	7°38	5°52	15°29	8°49	F 19
S 20	0 25 28	4°25'52	11♍54	28° 5	8°52	1°24	8°45	27°40	0° 5	10°38	16°55	7°33	5°49	15°36	8°57	S 20
S 21	0 29 25	5°25'13	24°18	28°28	10° 6	1°32	8°40	27°38	0° 3	10°40	16°56	7°26	5°46	15°42	9° 6	S 21
M22	0 33 21	6°24'35	6♎33	28°45	11°20	1°39	8°34	27°36	0° 0	10°41	16°57	7°16	5°42	15°49	9°15	M22
T 23	0 37 18	7°24'00	18°40	28°56	12°34	1°46	8°28	27°34	29♈58	10°43	16°58	7° 4	5°39	15°56	9°23	T 23
W24	0 41 15	8°23'27	0♏41	29°R 0	13°48	1°51	8°22	27°32	29°56	10°44	16°59	6°52	5°36	16° 3	9°32	W24
T 25	0 45 11	9°22'56	12°35	28°57	15° 2	1°56	8°16	27°29	29°54	10°45	17° 0	6°41	5°33	16° 9	9°41	T 25
F 26	0 49 8	10°22'27	24°26	28°45	16°17	2° 0	8°10	27°27	29°51	10°47	17° 1	6°31	5°30	16°16	9°50	F 26
S 27	0 53 4	11°22'00	6♐17	28°26	17°31	2° 4	8° 3	27°24	29°49	10°48	17° 2	6°23	5°27	16°23	9°58	S 27
S 28	0 57 1	12°21'35	18° 9	27°58	18°45	2° 6	7°57	27°21	29°47	10°49	17° 3	6°17	5°23	16°29	10° 7	S 28
M29	1 0 57	13°21'11	0♑ 9	27°21	19°59	2° 7	7°50	27°19	29°44	10°50	17° 5	6°14	5°20	16°36	10°16	M29
T 30	1 4 54	14♎20'50	12♑20	26♎36	21♍14	2°R 8	7♉43	27♉16	29♈42	10♌52	17♐ 6	6°D13	5♒17	16♏43	10♎24	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n38	27s 2	3s45	5s10	1s28	16n49	0n38	17n48	1s44	13n34	1s22	17n41	2s 9	11n15	0s32	17n57	0n10	16s20	6n34	18s16	18s39	20s49	4s12	1s52
T 2	5 15	26 23	2 55	5 48	1 36	16 30	0 41	17 54	1 42	13 33	1 23	17 41	2 9	11 15	0 32	17 56	0 10	16 20	6 34	18 16	18 39	20 51	4 15	1 52
W 3	4 53	24 23	1 55	6 25	1 43	16 10	0 43	17 59	1 41	13 32	1 23	17 41	2 9	11 14	0 32	17 56	0 10	16 20	6 34	18 16	18 40	20 53	4 19	1 52
T 4	4 29	21 5	0 47	7 2	1 51	15 50	0 46	18 5	1 40	13 31	1 23	17 41	2 10	11 14	0 32	17 55	0 10	16 21	6 33	18 15	18 41	20 55	4 22	1 51
F 5	4 6	16 36	0n25	7 37	1 59	15 29	0 48	18 10	1 39	13 30	1 23	17 40	2 10	11 13	0 32	17 55	0 10	16 21	6 33	18 15	18 42	20 57	4 25	1 51
S 6	3 43	11 8	1 38	8 12	2 6	15 8	0 51	18 16	1 38	13 29	1 23	17 40	2 10	11 12	0 32	17 54	0 10	16 21	6 33	18 16	18 43	20 59	4 28	1 51
S 7	3 20	4 57	2 47	8 46	2 14	14 46	0 53	18 21	1 36	13 28	1 23	17 40	2 10	11 12	0 32	17 54	0 10	16 22	6 33	18 17	18 43	21 0	4 31	1 50
M 8	2 57	1n37	3 46	9 19	2 21	14 24	0 55	18 26	1 35	13 27	1 23	17 40	2 10	11 11	0 32	17 53	0 10	16 22	6 32	18 18	18 44	21 2	4 34	1 50
T 9	2 33	8 11	4 32	9 50	2 28	14 1	0 57	18 31	1 34	13 25	1 24	17 39	2 10	11 10	0 32	17 53	0 10	16 22	6 32	18 20	18 45	21 4	4 37	1 50
W10	2 10	14 21	5 0	10 21	2 35	13 38	1 0	18 35	1 32	13 24	1 24	17 39	2 11	11 10	0 32	17 52	0 10	16 23	6 32	18 22	18 46	21 6	4 40	1 49
T 11	1 46	19 40	5 7	10 50	2 42	13 15	1 2	18 40	1 31	13 23	1 24	17 39	2 11	11 9	0 32	17 52	0 10	16 23	6 31	18 23	18 47	21 8	4 43	1 49
F 12	1 23	23 44	4 54	11 18	2 48	12 51	1 4	18 45	1 30	13 21	1 24	17 38	2 11	11 8	0 32	17 51	0 10	16 24	6 31	18 25	18 47	21 10	4 46	1 49
S 13	0 59	26 13	4 23	11 45	2 54	12 27	1 6	18 49	1 28	13 20	1 24	17 38	2 11	11 8	0 32	17 51	0 10	16 24	6 31	18 26	18 48	21 12	4 49	1 48
S 14	0 36	26 57	3 36	12 10	3 0	12 3	1 8	18 53	1 27	13 18	1 24	17 37	2 11	11 7	0 32	17 51	0 10	16 24	6 30	18 26	18 49	21 14	4 53	1 48
M15	0 12	25 59	2 38	12 33	3 5	11 38	1 10	18 57	1 25	13 17	1 24	17 37	2 11	11 6	0 32	17 50	0 10	16 25	6 30	18 26	18 50	21 16	4 56	1 48
T 16	0s12	23 29	1 31	12 55	3 10	11 13	1 11	19 1	1 24	13 15	1 25	17 37	2 12	11 6	0 32	17 50	0 10	16 25	6 30	18 26	18 51	21 18	4 59	1 47
W17	0 35	19 47	0 22	13 14	3 14	10 47	1 13	19 5	1 22	13 13	1 25	17 36	2 12	11 5	0 32	17 49	0 10	16 25	6 29	18 26	18 51	21 20	5 2	1 47
T 18	0 59	15 10	0s48	13 32	3 18	10 21	1 15	19 9	1 20	13 12	1 25	17 36	2 12	11 4	0 32	17 49	0 10	16 26	6 29	18 26	18 52	21 21	5 5	1 47
F 19	1 22	9 59	1 53	13 47	3 21	9 55	1 16	19 13	1 19	13 10	1 25	17 35	2 12	11 3	0 32	17 49	0 10	16 26	6 29	18 26	18 53	21 23	5 8	1 47
S 20	1 46	4 28	2 52	14 0	3 23	9 29	1 18	19 16	1 17	13 8	1 25	17 34	2 12	11 3	0 32	17 48	0 10	16 27	6 29	18 27	18 54	21 25	5 11	1 46
S 21	2 10	1s 7	3 42	14 10	3 25	9 2	1 19	19 20	1 15	13 6	1 25	17 34	2 12	11 2	0 32	17 48	0 10	16 27	6 28	18 29	18 54	21 27	5 15	1 46
M22	2 33	6 36	4 21	14 16	3 25	8 35	1 21	19 23	1 13	13 4	1 25	17 33	2 12	11 1	0 32	17 47	0 10	16 27	6 28	18 32	18 55	21 29	5 18	1 46
T 23	2 57	11 46	4 48	14 20	3 25	8 8	1 22	19 26	1 11	13 2	1 25	17 33	2 13	11 0	0 32	17 47	0 10	16 28	6 28	18 35	18 56	21 31	5 21	1 45
W24	3 20	16 27	5 1	14 20	3 24	7 41	1 23	19 29	1 9	13 0	1 25	17 32	2 13	11 0	0 32	17 47	0 10	16 28	6 27	18 38	18 57	21 33	5 24	1 45
T 25	3 44	20 27	5 1	14 16	3 21	7 13	1 24	19 32	1 8	12 58	1 25	17 31	2 13	10 59	0 32	17 46	0 10	16 29	6 27	18 41	18 58	21 34	5 27	1 45
F 26	4 7	23 37	4 48	14 8	3 17	6 45	1 26	19 35	1 6	12 56	1 26	17 31	2 13	10 58	0 32	17 46	0 10	16 29	6 27	18 43	18 58	21 36	5 31	1 45
S 27	4 31	25 46	4 23	13 56	3 11	6 17	1 27	19 37	1 3	12 54	1 26	17 30	2 13	10 57	0 32	17 46	0 10	16 29	6 27	18 45	18 59	21 38	5 34	1 44
S 28	4 54	26 46	3 46	13 39	3 4	5 49	1 28	19 40	1 1	12 52	1 26	17 29	2 13	10 56	0 32	17 45	0 10	16 30	6 26	18 47	19 0	21 40	5 37	1 44
M29	5 18	26 31	2 59	13 17	2 55	5 20	1 28	19 42	0 59	12 50	1 26	17 28	2 13	10 55	0 32	17 45	0 10	16 30	6 26	18 47	19 1	21 42	5 40	1 44
T 30	5s41	25s 1	2s 3	12s51	2s44	4n51	1n29	19n44	0s57	12n47	1s26	17n28	2s13	10n55	0s32	17n45	0n10	16s31	6n26	18s48	19s 1	21s44	5s43	1s44

Julian Day Number = 2182977.5, Delta T = 11m21s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'08, Lahiri = 13°36'09 Julian Calendar 1 Sept. 1264 == Greg. Calendar 8 Sept. 1264

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

OCTOBER 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 8 50	15♎20'30	24♑47	25°R43	22♍28	2°R 8	7°R36	27°R13	29°R40	10♌53	17♐ 7	6♒14	5♒14	16♏50	10♎33	W 1
T 2	1 12 47	16°20'11	7♒37	24♎42	23°43	2♊ 7	7♉29	27♉10	29♈37	10°54	17° 8	6°R14	5°11	16°56	10°42	T 2
F 3	1 16 44	17°19'55	20°52	23°35	24°57	2° 5	7°22	27° 7	29°35	10°55	17°10	6°13	5° 8	17° 3	10°50	F 3
S 4	1 20 40	18°19'40	4♓37	22°23	26°12	2° 2	7°15	27° 4	29°33	10°56	17°11	6°10	5° 4	17°10	10°59	S 4
S 5	1 24 37	19°19'27	18°51	21° 8	27°26	1°58	7° 7	27° 0	29°30	10°57	17°12	6° 5	5° 1	17°17	11° 8	S 5
M 6	1 28 33	20°19'16	3♈32	19°52	28°41	1°54	7° 0	26°57	29°28	10°58	17°14	5°56	4°58	17°23	11°16	M 6
T 7	1 32 30	21°19'06	18°34	18°38	29°56	1°48	6°52	26°53	29°25	10°59	17°15	5°46	4°55	17°30	11°25	T 7
W 8	1 36 26	22°18'59	3♉47	17°27	1♎10	1°42	6°45	26°50	29°23	11° 0	17°17	5°35	4°52	17°37	11°33	W 8
T 9	1 40 23	23°18'54	19° 1	16°22	2°25	1°35	6°37	26°46	29°20	11° 1	17°18	5°25	4°48	17°43	11°42	T 9
F 10	1 44 19	24°18'51	4♊ 4	15°24	3°40	1°27	6°29	26°43	29°18	11° 2	17°19	5°16	4°45	17°50	11°51	F 10
S 11	1 48 16	25°18'50	18°49	14°36	4°55	1°18	6°21	26°39	29°15	11° 3	17°21	5° 9	4°42	17°57	11°59	S 11
S 12	1 52 13	26°18'51	3♋ 9	13°59	6° 9	1° 8	6°13	26°35	29°13	11° 4	17°23	5° 5	4°39	18° 4	12° 8	S 12
M13	1 56 9	27°18'55	17° 3	13°33	7°24	0°57	6° 5	26°31	29°10	11° 5	17°24	5° 4	4°36	18°10	12°16	M13
T 14	2 0 6	28°19'00	0♌32	13°18	8°39	0°46	5°57	26°27	29° 8	11° 5	17°26	5° 3	4°33	18°17	12°25	T 14
W15	2 4 2	29°19'08	13°38	13°D15	9°54	0°33	5°49	26°23	29° 6	11° 6	17°27	5° 3	4°29	18°24	12°33	W15
T 16	2 7 59	0♏19'18	26°25	13°23	11° 9	0°20	5°41	26°19	29° 3	11° 7	17°29	5° 2	4°26	18°30	12°42	T 16
F 17	2 11 55	1°19'30	8♍57	13°42	12°24	0° 6	5°33	26°15	29° 1	11° 8	17°31	4°58	4°23	18°37	12°50	F 17
S 18	2 15 52	2°19'44	21°17	14°10	13°39	29♉51	5°25	26°11	28°58	11° 8	17°32	4°52	4°20	18°44	12°58	S 18
S 19	2 19 48	3°20'00	3♎28	14°48	14°54	29°35	5°17	26° 6	28°56	11° 9	17°34	4°42	4°17	18°51	13° 7	S 19
M20	2 23 45	4°20'18	15°32	15°33	16° 9	29°19	5° 9	26° 2	28°53	11° 9	17°36	4°30	4°13	18°57	13°15	M20
T 21	2 27 42	5°20'38	27°31	16°26	17°24	29° 2	5° 0	25°57	28°51	11°10	17°37	4°16	4°10	19° 4	13°23	T 21
W22	2 31 38	6°20'59	9♏26	17°25	18°39	28°44	4°52	25°53	28°48	11°11	17°39	4° 1	4° 7	19°11	13°32	W22
T 23	2 35 35	7°21'22	21°18	18°30	19°55	28°26	4°44	25°48	28°46	11°11	17°41	3°46	4° 4	19°17	13°40	T 23
F 24	2 39 31	8°21'47	3♐ 9	19°39	21°10	28° 7	4°36	25°44	28°43	11°12	17°43	3°33	4° 1	19°24	13°48	F 24
S 25	2 43 28	9°22'14	15° 0	20°53	22°25	27°47	4°28	25°39	28°41	11°12	17°44	3°22	3°58	19°31	13°56	S 25
S 26	2 47 24	10°22'42	26°54	22°10	23°40	27°27	4°20	25°35	28°39	11°12	17°46	3°14	3°54	19°38	14° 5	S 26
M27	2 51 21	11°23'12	8♑54	23°30	24°55	27° 6	4°12	25°30	28°36	11°13	17°48	3°10	3°51	19°44	14°13	M27
T 28	2 55 17	12°23'43	21° 4	24°53	26°11	26°45	4° 4	25°25	28°34	11°13	17°50	3° 7	3°48	19°51	14°21	T 28
W29	2 59 14	13°24'15	3♒28	26°18	27°26	26°24	3°56	25°20	28°31	11°13	17°52	3°D 7	3°45	19°58	14°29	W29
T 30	3 3 11	14°24'49	16°11	27°45	28°41	26° 2	3°48	25°16	28°29	11°14	17°54	3°R 7	3°42	20° 5	14°37	T 30
F 31	3 7 7	15♏25'23	29♒19	29♎13	29♎56	25♉40	3♉40	25♉11	28♈27	11♌14	17♐56	3♒ 6	3♒39	20♏11	14♎45	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6s 4	22s15	1s 0	12s20	2s32	4n23	1n30	19n47	0s55	12n45	1s26	17n27	2s14	10n54	0s32	17n44	0n10	16s31	6n25	18s48	19s 2	21s45	5s46	1s43
T 2	6 27	18 19	0n 7	11 44	2 17	3 54	1 31	19 49	0 53	12 43	1 26	17 26	2 14	10 53	0 32	17 44	0 10	16 31	6 25	18 47	19 3	21 47	5 50	1 43
F 3	6 50	13 23	1 17	11 4	2 1	3 24	1 31	19 50	0 50	12 40	1 26	17 25	2 14	10 52	0 32	17 44	0 10	16 32	6 25	18 48	19 4	21 49	5 53	1 43
S 4	7 13	7 37	2 24	10 20	1 43	2 55	1 32	19 52	0 48	12 38	1 26	17 25	2 14	10 51	0 32	17 43	0 10	16 32	6 25	18 48	19 5	21 51	5 56	1 43
S 5	7 36	1 17	3 25	9 35	1 24	2 26	1 32	19 54	0 46	12 36	1 26	17 24	2 14	10 50	0 32	17 43	0 10	16 33	6 24	18 50	19 5	21 53	5 59	1 42
M 6	7 58	5n18	4 15	8 47	1 4	1 56	1 33	19 55	0 43	12 33	1 26	17 23	2 14	10 50	0 32	17 43	0 10	16 33	6 24	18 52	19 6	21 54	6 2	1 42
T 7	8 21	11 44	4 47	8 0	0 43	1 27	1 33	19 57	0 41	12 31	1 26	17 22	2 14	10 49	0 32	17 43	0 10	16 33	6 24	18 54	19 7	21 56	6 6	1 42
W 8	8 43	17 32	5 1	7 14	0 23	0 57	1 33	19 58	0 38	12 28	1 26	17 21	2 14	10 48	0 32	17 42	0 10	16 34	6 23	18 57	19 8	21 58	6 9	1 42
T 9	9 6	22 13	4 52	6 30	0 2	0 28	1 33	19 59	0 36	12 26	1 26	17 20	2 14	10 47	0 32	17 42	0 10	16 34	6 23	19 0	19 8	22 0	6 12	1 41
F 10	9 28	25 22	4 24	5 49	0n17	0s 2	1 33	20 0	0 33	12 23	1 26	17 19	2 14	10 46	0 32	17 42	0 11	16 34	6 23	19 2	19 9	22 1	6 15	1 41
S 11	9 50	26 41	3 38	5 13	0 36	0 32	1 33	20 0	0 30	12 20	1 26	17 18	2 15	10 45	0 32	17 42	0 11	16 35	6 23	19 3	19 10	22 3	6 18	1 41
S 12	10 12	26 10	2 40	4 43	0 53	1 2	1 33	20 1	0 28	12 18	1 26	17 17	2 15	10 44	0 32	17 42	0 11	16 35	6 22	19 4	19 11	22 5	6 21	1 41
M13	10 34	24 0	1 34	4 18	1 9	1 31	1 33	20 2	0 25	12 15	1 26	17 16	2 15	10 43	0 32	17 41	0 11	16 36	6 22	19 5	19 11	22 7	6 24	1 40
T 14	10 55	20 30	0 24	4 0	1 23	2 1	1 33	20 2	0 22	12 13	1 26	17 15	2 15	10 43	0 32	17 41	0 11	16 36	6 22	19 5	19 12	22 8	6 28	1 40
W15	11 17	16 5	0s45	3 47	1 35	2 31	1 33	20 2	0 19	12 10	1 26	17 14	2 15	10 42	0 32	17 41	0 11	16 36	6 22	19 5	19 13	22 10	6 31	1 40
T 16	11 38	11 2	1 50	3 41	1 46	3 1	1 32	20 2	0 17	12 7	1 26	17 13	2 15	10 41	0 32	17 41	0 11	16 37	6 21	19 5	19 14	22 12	6 34	1 40
F 17	11 59	5 38	2 49	3 40	1 55	3 31	1 32	20 2	0 14	12 5	1 26	17 12	2 15	10 40	0 32	17 41	0 11	16 37	6 21	19 6	19 15	22 13	6 37	1 39
S 18	12 20	0 8	3 38	3 44	2 2	4 0	1 32	20 1	0 11	12 2	1 26	17 11	2 15	10 39	0 32	17 40	0 11	16 38	6 21	19 8	19 15	22 15	6 40	1 39
S 19	12 41	5s18	4 17	3 54	2 7	4 30	1 31	20 1	0 8	12 0	1 25	17 10	2 15	10 38	0 32	17 40	0 11	16 38	6 21	19 10	19 16	22 17	6 43	1 39
M20	13 1	10 29	4 43	4 8	2 11	4 59	1 30	20 0	0 5	11 57	1 25	17 9	2 15	10 37	0 32	17 40	0 11	16 38	6 20	19 13	19 17	22 18	6 46	1 39
T 21	13 21	15 15	4 57	4 26	2 14	5 29	1 30	20 0	0 2	11 54	1 25	17 8	2 15	10 37	0 32	17 40	0 11	16 39	6 20	19 16	19 18	22 20	6 49	1 39
W22	13 41	19 23	4 58	4 47	2 15	5 58	1 29	19 59	0n 1	11 52	1 25	17 7	2 15	10 36	0 32	17 40	0 11	16 39	6 20	19 20	19 18	22 22	6 52	1 38
T 23	14 1	22 45	4 45	5 11	2 16	6 27	1 28	19 57	0 4	11 49	1 25	17 6	2 15	10 35	0 32	17 40	0 11	16 40	6 20	19 23	19 19	22 23	6 55	1 38
F 24	14 21	25 8	4 21	5 38	2 15	6 56	1 27	19 56	0 7	11 46	1 25	17 5	2 15	10 34	0 32	17 40	0 11	16 40	6 20	19 26	19 20	22 25	6 58	1 38
S 25	14 40	26 25	3 45	6 7	2 14	7 25	1 26	19 55	0 10	11 44	1 25	17 4	2 15	10 33	0 32	17 39	0 11	16 40	6 19	19 29	19 21	22 27	7 1	1 38
S 26	15 0	26 29	2 59	6 38	2 11	7 54	1 25	19 53	0 13	11 41	1 25	17 3	2 15	10 32	0 32	17 39	0 11	16 41	6 19	19 31	19 21	22 28	7 4	1 38
M27	15 18	25 18	2 4	7 11	2 8	8 23	1 24	19 51	0 16	11 38	1 25	17 2	2 15	10 31	0 32	17 39	0 11	16 41	6 19	19 32	19 22	22 30	7 7	1 37
T 28	15 37	22 55	1 3	7 44	2 5	8 51	1 23	19 49	0 19	11 36	1 24	17 0	2 15	10 31	0 32	17 39	0 11	16 41	6 19	19 32	19 23	22 32	7 10	1 37
W29	15 56	19 26	0n 2	8 19	2 1	9 20	1 22	19 47	0 22	11 33	1 24	16 59	2 15	10 30	0 32	17 39	0 11	16 42	6 18	19 32	19 24	22 33	7 13	1 37
T 30	16 14	14 57	1 9	8 54	1 56	9 48	1 21	19 45	0 25	11 31	1 24	16 58	2 15	10 29	0 32	17 39	0 11	16 42	6 18	19 32	19 24	22 35	7 16	1 37
F 31	16s32	9s40	2n14	9s30	1n51	10s15	1n19	19n43	0n28	11n28	1s24	16n57	2s15	10n28	0s32	17n39	0n11	16s43	6n18	19s33	19s25	22s37	7s19	1s37

Julian Day Number = 2183007.5, Delta T = 11m21s
Ecliptic obliquity = 23°32'11, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'12, Lahiri = 13°36'13 Julian Calendar 1 Oct. 1264 == Greg. Calendar 8 Oct. 1264

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

NOVEMBER 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 11 4	16♏25'59	12♓55	0♏42	1♏12	25°R18	3°R32	25°R 6	28°R24	11♌14	17♐58	3°R 4	3♒35	20♏18	14♎53	S 1
S 2	3 15 0	17°26'36	27° 0	2°12	2°27	24♉56	3♉24	25♉ 1	28♈22	11°14	18° 0	2♒59	3°32	20°25	15° 0	S 2
M 3	3 18 57	18°27'15	11♈35	3°43	3°42	24°33	3°17	24°56	28°20	11°14	18° 2	2°51	3°29	20°31	15° 8	M 3
T 4	3 22 53	19°27'54	26°35	5°15	4°58	24°10	3° 9	24°51	28°18	11°14	18° 4	2°42	3°26	20°38	15°16	T 4
W 5	3 26 50	20°28'35	11♉52	6°47	6°13	23°48	3° 2	24°47	28°15	11°14	18° 6	2°31	3°23	20°45	15°24	W 5
T 6	3 30 46	21°29'17	27°14	8°20	7°28	23°25	2°54	24°42	28°13	11°R14	18° 8	2°20	3°19	20°52	15°31	T 6
F 7	3 34 43	22°30'01	12♊31	9°53	8°44	23° 2	2°47	24°37	28°11	11°14	18°10	2°11	3°16	20°58	15°39	F 7
S 8	3 38 40	23°30'47	27°30	11°27	9°59	22°40	2°40	24°32	28° 9	11°14	18°12	2° 4	3°13	21° 5	15°47	S 8
S 9	3 42 36	24°31'33	12♋ 6	13° 0	11°15	22°17	2°33	24°27	28° 7	11°14	18°14	2° 0	3°10	21°12	15°54	S 9
M10	3 46 33	25°32'21	26°13	14°34	12°30	21°55	2°26	24°22	28° 4	11°14	18°16	1°D59	3° 7	21°18	16° 2	M10
T 11	3 50 29	26°33'11	9♌50	16° 7	13°45	21°33	2°19	24°17	28° 2	11°14	18°18	1°59	3° 4	21°25	16° 9	T 11
W12	3 54 26	27°34'02	23° 1	17°41	15° 1	21°11	2°13	24°12	28° 0	11°14	18°20	1°R59	3° 0	21°32	16°16	W12
T 13	3 58 22	28°34'55	5♍49	19°15	16°16	20°50	2° 6	24° 7	27°58	11°13	18°22	1°59	2°57	21°39	16°24	T 13
F 14	4 2 19	29°35'48	18°18	20°49	17°32	20°29	2° 0	24° 2	27°56	11°13	18°24	1°57	2°54	21°45	16°31	F 14
S 15	4 6 15	0♐36'44	0♎32	22°23	18°47	20° 9	1°53	23°57	27°54	11°13	18°26	1°53	2°51	21°52	16°38	S 15
S 16	4 10 12	1°37'40	12°36	23°57	20° 3	19°49	1°47	23°52	27°52	11°13	18°28	1°46	2°48	21°59	16°45	S 16
M17	4 14 9	2°38'38	24°33	25°30	21°18	19°29	1°41	23°48	27°50	11°12	18°31	1°37	2°45	22° 5	16°52	M17
T 18	4 18 5	3°39'37	6♏26	27° 4	22°34	19°10	1°35	23°43	27°48	11°12	18°33	1°26	2°41	22°12	16°59	T 18
W19	4 22 2	4°40'37	18°18	28°38	23°49	18°52	1°30	23°38	27°47	11°11	18°35	1°14	2°38	22°19	17° 6	W19
T 20	4 25 58	5°41'38	0♐10	0♐12	25° 5	18°34	1°24	23°33	27°45	11°11	18°37	1° 2	2°35	22°26	17°13	T 20
F 21	4 29 55	6°42'41	12° 3	1°46	26°20	18°17	1°19	23°28	27°43	11°10	18°39	0°52	2°32	22°32	17°20	F 21
S 22	4 33 51	7°43'44	23°59	3°20	27°36	18° 0	1°14	23°24	27°41	11°10	18°41	0°44	2°29	22°39	17°27	S 22
S 23	4 37 48	8°44'47	6♑ 0	4°54	28°51	17°45	1° 9	23°19	27°40	11° 9	18°44	0°38	2°25	22°46	17°33	S 23
M24	4 41 45	9°45'52	18° 7	6°28	0♐ 7	17°29	1° 4	23°14	27°38	11° 9	18°46	0°35	2°22	22°52	17°40	M24
T 25	4 45 41	10°46'57	0♒23	8° 2	1°22	17°15	0°59	23°10	27°36	11° 8	18°48	0°D34	2°19	22°59	17°47	T 25
W26	4 49 38	11°48'02	12°52	9°37	2°38	17° 2	0°55	23° 5	27°35	11° 7	18°50	0°34	2°16	23° 6	17°53	W26
T 27	4 53 34	12°49'08	25°37	11°11	3°53	16°49	0°50	23° 1	27°33	11° 7	18°52	0°36	2°13	23°13	17°59	T 27
F 28	4 57 31	13°50'14	8♓41	12°46	5° 9	16°37	0°46	22°56	27°32	11° 6	18°55	0°R37	2°10	23°19	18° 6	F 28
S 29	5 1 27	14°51'21	22° 8	14°20	6°24	16°26	0°43	22°52	27°30	11° 5	18°57	0°37	2° 6	23°26	18°12	S 29
S 30	5 5 24	15♐52'28	6♈ 1	15♐55	7♐40	16♉16	0♉39	22♉47	27♈29	11♌ 4	18♐59	0♒35	2♒ 3	23♏33	18♎18	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s49	3s45	3n14	10s 7	1n46	10s43	1n18	19n41	0n31	11n26	1s24	16n56	2s15	10n27	0s32	17n39	0n11	16s43	6n18	19s33	19s26	22s38	7s22	1s36
S 2	17 6	2n32	4 5	10 43	1 40	11 10	1 17	19 38	0 34	11 23	1 24	16 55	2 15	10 26	0 32	17 39	0 11	16 43	6 18	19 34	19 27	22 40	7 25	1 36
M 3	17 23	8 54	4 41	11 20	1 34	11 37	1 15	19 35	0 37	11 21	1 24	16 54	2 15	10 26	0 32	17 39	0 11	16 44	6 17	19 36	19 27	22 41	7 28	1 36
T 4	17 40	14 56	5 0	11 57	1 28	12 4	1 14	19 33	0 40	11 19	1 23	16 53	2 15	10 25	0 32	17 39	0 11	16 44	6 17	19 38	19 28	22 43	7 30	1 36
W 5	17 56	20 10	4 57	12 33	1 22	12 31	1 12	19 30	0 43	11 16	1 23	16 51	2 15	10 24	0 32	17 39	0 11	16 44	6 17	19 41	19 29	22 45	7 33	1 36
T 6	18 12	24 4	4 34	13 9	1 15	12 57	1 11	19 27	0 46	11 14	1 23	16 50	2 15	10 23	0 32	17 39	0 11	16 45	6 17	19 43	19 29	22 46	7 36	1 35
F 7	18 28	26 12	3 51	13 45	1 8	13 23	1 9	19 24	0 49	11 12	1 23	16 49	2 15	10 23	0 32	17 39	0 11	16 45	6 17	19 45	19 30	22 48	7 39	1 35
S 8	18 44	26 23	2 52	14 21	1 2	13 48	1 7	19 21	0 52	11 9	1 23	16 48	2 15	10 22	0 32	17 39	0 11	16 45	6 16	19 47	19 31	22 49	7 42	1 35
S 9	18 59	24 42	1 44	14 56	0 55	14 14	1 5	19 18	0 55	11 7	1 22	16 47	2 15	10 21	0 32	17 39	0 11	16 46	6 16	19 48	19 32	22 51	7 44	1 35
M10	19 13	21 30	0 31	15 31	0 48	14 38	1 4	19 15	0 57	11 5	1 22	16 46	2 15	10 20	0 32	17 39	0 11	16 46	6 16	19 48	19 32	22 52	7 47	1 35
T 11	19 28	17 11	0s42	16 5	0 41	15 3	1 2	19 11	1 0	11 3	1 22	16 45	2 15	10 20	0 32	17 39	0 11	16 47	6 16	19 48	19 33	22 54	7 50	1 35
W12	19 42	12 10	1 50	16 38	0 34	15 27	1 0	19 8	1 3	11 1	1 22	16 44	2 14	10 19	0 32	17 39	0 11	16 47	6 16	19 48	19 34	22 55	7 53	1 34
T 13	19 55	6 47	2 50	17 11	0 27	15 51	0 58	19 5	1 5	10 59	1 22	16 42	2 14	10 18	0 32	17 39	0 11	16 47	6 16	19 48	19 35	22 57	7 55	1 34
F 14	20 9	1 16	3 41	17 42	0 20	16 14	0 56	19 2	1 8	10 57	1 21	16 41	2 14	10 17	0 32	17 39	0 11	16 48	6 15	19 48	19 35	22 58	7 58	1 34
S 15	20 22	4s11	4 20	18 14	0 13	16 37	0 54	18 59	1 10	10 55	1 21	16 40	2 14	10 17	0 32	17 40	0 11	16 48	6 15	19 49	19 36	23 0	8 1	1 34
S 16	20 34	9 24	4 47	18 44	0 6	16 59	0 52	18 56	1 13	10 53	1 21	16 39	2 14	10 16	0 32	17 40	0 11	16 48	6 15	19 51	19 37	23 2	8 3	1 34
M17	20 46	14 13	5 1	19 14	0s 1	17 21	0 50	18 53	1 15	10 51	1 21	16 38	2 14	10 15	0 32	17 40	0 11	16 49	6 15	19 53	19 38	23 3	8 6	1 34
T 18	20 58	18 28	5 3	19 42	0 7	17 43	0 48	18 50	1 17	10 49	1 20	16 37	2 14	10 15	0 32	17 40	0 11	16 49	6 15	19 55	19 38	23 5	8 8	1 33
W19	21 10	22 0	4 51	20 10	0 14	18 4	0 46	18 47	1 20	10 47	1 20	16 36	2 14	10 14	0 32	17 40	0 11	16 49	6 15	19 58	19 39	23 6	8 11	1 33
T 20	21 21	24 36	4 26	20 37	0 21	18 25	0 43	18 44	1 22	10 46	1 20	16 35	2 14	10 13	0 32	17 40	0 11	16 50	6 15	20 0	19 40	23 8	8 13	1 33
F 21	21 31	26 7	3 50	21 3	0 27	18 45	0 41	18 41	1 24	10 44	1 20	16 34	2 13	10 13	0 31	17 40	0 11	16 50	6 14	20 3	19 40	23 9	8 16	1 33
S 22	21 41	26 27	3 3	21 28	0 34	19 4	0 39	18 38	1 26	10 43	1 19	16 33	2 13	10 12	0 31	17 41	0 11	16 50	6 14	20 5	19 41	23 10	8 18	1 33
S 23	21 51	25 32	2 8	21 51	0 40	19 23	0 37	18 36	1 28	10 41	1 19	16 32	2 13	10 12	0 31	17 41	0 11	16 50	6 14	20 6	19 42	23 12	8 21	1 33
M24	22 0	23 24	1 7	22 14	0 46	19 42	0 35	18 33	1 30	10 40	1 19	16 31	2 13	10 11	0 31	17 41	0 11	16 51	6 14	20 6	19 43	23 13	8 23	1 32
T 25	22 9	20 10	0 1	22 36	0 52	20 0	0 32	18 31	1 32	10 38	1 18	16 30	2 13	10 11	0 31	17 41	0 11	16 51	6 14	20 7	19 43	23 15	8 25	1 32
W26	22 18	15 58	1n 6	22 56	0 58	20 17	0 30	18 29	1 34	10 37	1 18	16 29	2 13	10 10	0 31	17 41	0 11	16 51	6 14	20 7	19 44	23 16	8 28	1 32
T 27	22 26	10 59	2 11	23 16	1 4	20 34	0 28	18 27	1 35	10 36	1 18	16 28	2 13	10 9	0 31	17 41	0 11	16 52	6 14	20 6	19 45	23 18	8 30	1 32
F 28	22 33	5 24	3 11	23 34	1 9	20 50	0 25	18 25	1 37	10 35	1 18	16 27	2 12	10 9	0 31	17 42	0 11	16 52	6 14	20 6	19 46	23 19	8 32	1 32
S 29	22 40	0n35	4 2	23 51	1 15	21 5	0 23	18 24	1 39	10 34	1 17	16 26	2 12	10 8	0 31	17 42	0 11	16 52	6 13	20 6	19 46	23 21	8 35	1 32
S 30	22s47	6n42	4n41	24s 7	1s20	21s20	0n21	18n22	1n40	10n33	1s17	16n25	2s12	10n 8	0s31	17n42	0n11	16s53	6n13	20s 6	19s47	23s22	8s37	1s32

Julian Day Number = 2183038.5, Delta T = 11m21s
Ecliptic obliquity = 23°32'10, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'17, Lahiri = 13°36'17 Julian Calendar 1 Nov. 1264 == Greg. Calendar 8 Nov. 1264

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ASTRODIENST EPHEMERIS for the year 1264
geocentric

DECEMBER 1264 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 9 20	16♐53'35	20♈20	17♐30	8♐55	16°R 6	0°R35	22°R43	27°R27	11°R 4	19♐ 1	0°R31	2♒ 0	23♏39	18♎24	M 1
T 2	5 13 17	17°54'42	5♉ 2	19° 5	10°11	15♉58	0♉32	22♉39	27♈26	11♌ 3	19° 3	0♒25	1°57	23°46	18°30	T 2
W 3	5 17 14	18°55'50	20° 3	20°40	11°26	15°50	0°29	22°35	27°25	11° 2	19° 6	0°19	1°54	23°53	18°36	W 3
T 4	5 21 10	19°56'57	5♊13	22°16	12°42	15°43	0°26	22°31	27°24	11° 1	19° 8	0°13	1°51	24° 0	18°42	T 4
F 5	5 25 7	20°58'06	20°24	23°51	13°57	15°37	0°23	22°27	27°22	11° 0	19°10	0° 7	1°47	24° 6	18°47	F 5
S 6	5 29 3	21°59'14	5♋25	25°27	15°13	15°31	0°21	22°23	27°21	10°59	19°12	0° 3	1°44	24°13	18°53	S 6
S 7	5 33 0	23° 0'23	20° 6	27° 3	16°28	15°27	0°18	22°19	27°20	10°58	19°14	0° 1	1°41	24°20	18°59	S 7
M 8	5 36 56	24° 1'33	4♌22	28°40	17°44	15°23	0°16	22°15	27°19	10°57	19°17	0°D 1	1°38	24°26	19° 4	M 8
T 9	5 40 53	25° 2'43	18°10	0♍16	19° 0	15°20	0°14	22°11	27°18	10°56	19°19	0° 2	1°35	24°33	19° 9	T 9
W10	5 44 49	26° 3'53	1♍31	1°53	20°15	15°18	0°13	22° 8	27°17	10°55	19°21	0° 3	1°31	24°40	19°15	W10
T 11	5 48 46	27° 5'03	14°26	3°30	21°31	15°17	0°11	22° 4	27°16	10°54	19°23	0° 5	1°28	24°47	19°20	T 11
F 12	5 52 43	28° 6'14	27° 0	5° 8	22°46	15°D16	0°10	22° 1	27°15	10°53	19°25	0°R 5	1°25	24°53	19°25	F 12
S 13	5 56 39	29° 7'26	9♎16	6°45	24° 2	15°16	0° 9	21°57	27°15	10°52	19°28	0° 5	1°22	25° 0	19°30	S 13
S 14	6 0 36	0♍ 8'37	21°19	8°23	25°17	15°17	0° 8	21°54	27°14	10°51	19°30	0° 3	1°19	25° 7	19°35	S 14
M15	6 4 32	1° 9'49	3♏15	10° 1	26°33	15°19	0° 7	21°51	27°13	10°49	19°32	29♍59	1°16	25°13	19°40	M15
T 16	6 8 29	2°11'01	15° 6	11°39	27°48	15°22	0° 7	21°47	27°12	10°48	19°34	29°55	1°12	25°20	19°45	T 16
W17	6 12 25	3°12'13	26°56	13°18	29° 4	15°25	0° 7	21°44	27°12	10°47	19°36	29°50	1° 9	25°27	19°49	W17
T 18	6 16 22	4°13'26	8♐49	14°56	0♍19	15°29	0°D 7	21°41	27°11	10°46	19°39	29°45	1° 6	25°34	19°54	T 18
F 19	6 20 18	5°14'38	20°47	16°34	1°35	15°34	0° 7	21°38	27°11	10°44	19°41	29°41	1° 3	25°40	19°58	F 19
S 20	6 24 15	6°15'50	2♍51	18°13	2°50	15°39	0° 7	21°36	27°10	10°43	19°43	29°38	1° 0	25°47	20° 3	S 20
S 21	6 28 12	7°17'02	15° 3	19°51	4° 6	15°45	0° 8	21°33	27°10	10°42	19°45	29°36	0°57	25°54	20° 7	S 21
M22	6 32 8	8°18'14	27°25	21°28	5°21	15°52	0° 8	21°30	27° 9	10°40	19°47	29°D35	0°53	26° 0	20°11	M22
T 23	6 36 5	9°19'25	9♒57	23° 5	6°37	16° 0	0° 9	21°28	27° 9	10°39	19°49	29°35	0°50	26° 7	20°15	T 23
W24	6 40 1	10°20'36	22°41	24°42	7°52	16° 8	0°11	21°26	27° 9	10°38	19°51	29°36	0°47	26°14	20°19	W24
T 25	6 43 58	11°21'46	5♓38	26°18	9° 7	16°17	0°12	21°23	27° 9	10°36	19°53	29°38	0°44	26°21	20°23	T 25
F 26	6 47 54	12°22'56	18°51	27°52	10°23	16°26	0°14	21°21	27° 8	10°35	19°55	29°39	0°41	26°27	20°26	F 26
S 27	6 51 51	13°24'04	2♈20	29°26	11°38	16°36	0°16	21°19	27° 8	10°33	19°58	29°40	0°37	26°34	20°30	S 27
S 28	6 55 47	14°25'12	16° 7	0♒57	12°54	16°47	0°18	21°17	27°D 8	10°32	20° 0	29°R40	0°34	26°41	20°33	S 28
M29	6 59 44	15°26'19	0♉12	2°26	14° 9	16°58	0°20	21°15	27° 8	10°30	20° 2	29°40	0°31	26°47	20°37	M29
T 30	7 3 41	16°27'26	14°34	3°53	15°25	17°10	0°22	21°13	27° 8	10°29	20° 4	29°39	0°28	26°54	20°40	T 30
W31	7 7 37	17♍28'31	29♉10	5♒17	16♍40	17♉22	0♉25	21♉12	27♈ 9	10♌27	20♐ 6	29♍37	0♒25	27♏ 1	20♎43	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s53	12n40	5n 4	24s21	1s25	21s35	0n18	18n21	1n42	10n32	1s17	16n24	2s12	10n 7	0s31	17n42	0n11	16s53	6n13	20s 7	19s48	23s23	8s39	1s31
T 2	22 59	18 5	5 8	24 35	1 30	21 48	0 16	18 20	1 43	10 31	1 16	16 23	2 12	10 7	0 31	17 43	0 11	16 53	6 13	20 8	19 48	23 25	8 41	1 31
W 3	23 4	22 30	4 51	24 47	1 35	22 1	0 13	18 19	1 44	10 30	1 16	16 22	2 12	10 7	0 31	17 43	0 11	16 53	6 13	20 10	19 49	23 26	8 43	1 31
T 4	23 9	25 25	4 14	24 57	1 39	22 14	0 11	18 18	1 46	10 29	1 16	16 21	2 11	10 6	0 31	17 43	0 11	16 54	6 13	20 11	19 50	23 28	8 45	1 31
F 5	23 14	26 29	3 18	25 6	1 43	22 26	0 9	18 17	1 47	10 29	1 16	16 21	2 11	10 6	0 31	17 43	0 11	16 54	6 13	20 12	19 50	23 29	8 47	1 31
S 6	23 18	25 35	2 10	25 14	1 47	22 37	0 6	18 17	1 48	10 28	1 15	16 20	2 11	10 5	0 31	17 44	0 12	16 54	6 13	20 13	19 51	23 30	8 49	1 31
S 7	23 21	22 55	0 54	25 21	1 50	22 47	0 4	18 16	1 49	10 27	1 15	16 19	2 11	10 5	0 31	17 44	0 12	16 54	6 13	20 14	19 52	23 32	8 51	1 30
M 8	23 24	18 52	0s24	25 26	1 54	22 57	0 1	18 16	1 50	10 27	1 15	16 18	2 11	10 5	0 31	17 44	0 12	16 55	6 13	20 14	19 53	23 33	8 53	1 30
T 9	23 27	13 54	1 37	25 29	1 57	23 6	0s 1	18 16	1 51	10 27	1 14	16 17	2 10	10 4	0 31	17 45	0 12	16 55	6 12	20 14	19 53	23 34	8 55	1 30
W10	23 29	8 26	2 43	25 31	2 0	23 14	0 3	18 17	1 52	10 26	1 14	16 17	2 10	10 4	0 31	17 45	0 12	16 55	6 12	20 13	19 54	23 36	8 57	1 30
T 11	23 30	2 47	3 39	25 31	2 2	23 22	0 6	18 17	1 53	10 26	1 14	16 16	2 10	10 4	0 31	17 45	0 12	16 55	6 12	20 13	19 55	23 37	8 59	1 30
F 12	23 31	2s49	4 22	25 30	2 4	23 29	0 8	18 18	1 54	10 26	1 13	16 15	2 10	10 3	0 31	17 46	0 12	16 56	6 12	20 13	19 55	23 39	9 1	1 30
S 13	23 32	8 10	4 52	25 27	2 6	23 35	0 11	18 19	1 55	10 26	1 13	16 15	2 9	10 3	0 31	17 46	0 12	16 56	6 12	20 13	19 56	23 40	9 3	1 30
S 14	23 32	13 7	5 9	25 23	2 7	23 40	0 13	18 20	1 56	10 26	1 13	16 14	2 9	10 3	0 31	17 46	0 12	16 56	6 12	20 13	19 57	23 41	9 4	1 29
M15	23 32	17 32	5 12	25 17	2 8	23 45	0 15	18 21	1 57	10 26	1 12	16 13	2 9	10 3	0 31	17 47	0 12	16 56	6 12	20 14	19 58	23 42	9 6	1 29
T 16	23 31	21 14	5 2	25 9	2 8	23 49	0 18	18 23	1 57	10 26	1 12	16 13	2 9	10 2	0 31	17 47	0 12	16 57	6 12	20 15	19 58	23 44	9 8	1 29
W17	23 30	24 4	4 39	25 0	2 8	23 52	0 20	18 24	1 58	10 26	1 12	16 12	2 8	10 2	0 31	17 47	0 12	16 57	6 12	20 16	19 59	23 45	9 9	1 29
T 18	23 28	25 52	4 3	24 49	2 8	23 55	0 22	18 26	1 59	10 26	1 11	16 12	2 8	10 2	0 31	17 48	0 12	16 57	6 12	20 17	20 0	23 46	9 11	1 29
F 19	23 26	26 30	3 17	24 36	2 7	23 56	0 25	18 28	1 59	10 27	1 11	16 11	2 8	10 2	0 31	17 48	0 12	16 57	6 12	20 18	20 0	23 48	9 12	1 29
S 20	23 23	25 52	2 22	24 22	2 5	23 57	0 27	18 30	2 0	10 27	1 11	16 11	2 8	10 2	0 31	17 48	0 12	16 57	6 12	20 19	20 1	23 49	9 14	1 29
S 21	23 20	24 0	1 19	24 6	2 3	23 58	0 29	18 32	2 0	10 28	1 11	16 10	2 8	10 2	0 31	17 49	0 12	16 58	6 12	20 19	20 2	23 50	9 15	1 29
M22	23 16	20 57	0 12	23 48	2 0	23 57	0 31	18 35	2 1	10 28	1 10	16 10	2 7	10 2	0 31	17 49	0 12	16 58	6 12	20 19	20 2	23 52	9 17	1 28
T 23	23 12	16 55	0n57	23 28	1 57	23 56	0 34	18 37	2 1	10 29	1 10	16 9	2 7	10 2	0 31	17 50	0 12	16 58	6 12	20 19	20 3	23 53	9 18	1 28
W24	23 8	12 3	2 4	23 8	1 53	23 54	0 36	18 40	2 2	10 30	1 10	16 9	2 7	10 1	0 31	17 50	0 12	16 58	6 12	20 19	20 4	23 54	9 20	1 28
T 25	23 3	6 36	3 6	22 45	1 48	23 51	0 38	18 43	2 2	10 30	1 9	16 9	2 6	10 1	0 30	17 50	0 12	16 58	6 12	20 19	20 5	23 55	9 21	1 28
F 26	22 57	0 45	4 0	22 21	1 43	23 48	0 40	18 46	2 2	10 31	1 9	16 8	2 6	10 1	0 30	17 51	0 12	16 58	6 12	20 18	20 5	23 57	9 22	1 28
S 27	22 51	5n14	4 41	21 56	1 37	23 43	0 42	18 50	2 3	10 32	1 9	16 8	2 6	10 1	0 30	17 51	0 12	16 59	6 12	20 18	20 6	23 58	9 23	1 28
S 28	22 45	11 5	5 8	21 29	1 30	23 39	0 44	18 53	2 3	10 33	1 8	16 8	2 6	10 1	0 30	17 52	0 12	16 59	6 12	20 18	20 7	23 59	9 25	1 28
M29	22 38	16 31	5 16	21 1	1 22	23 33	0 46	18 57	2 3	10 34	1 8	16 8	2 5	10 1	0 30	17 52	0 12	16 59	6 12	20 18	20 7	24 0	9 26	1 27
T 30	22 31	21 8	5 6	20 33	1 13	23 26	0 48	19 0	2 4	10 35	1 8	16 7	2 5	10 1	0 30	17 52	0 12	16 59	6 12	20 18	20 8	24 1	9 27	1 27
W31	22s23	24n32	4n35	20s 3	1s 4	23s19	0s50	19n 4	2n 4	10n37	1s 7	16n 7	2s 5	10n 2	0s30	17n53	0n12	16s59	6n12	20s19	20s 9	24s 3	9s28	1s27

Julian Day Number = 2183068.5, Delta T = 11m20s
Ecliptic obliquity = 23°32'09, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'21, Lahiri = 13°36'21 Julian Calendar 1 Dec. 1264 == Greg. Calendar 8 Dec. 1264

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

JANUARY 1265 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 11 34	18♑29'36	13♊54	6♒37	17♑55	17♉35	0♉28	21°R10	27♈ 9	10°R26	20♐ 8	29°R36	0♒22	27♏ 8	20♎46	T 1
F 2	7 15 30	19°30'39	28°41	7°53	19°11	17°49	0°31	21♉ 9	27° 9	10♌24	20°10	29♑35	0°18	27°14	20°49	F 2
S 3	7 19 27	20°31'42	13♋23	9° 3	20°26	18° 3	0°34	21° 7	27° 9	10°23	20°12	29°34	0°15	27°21	20°52	S 3
S 4	7 23 23	21°32'44	27°53	10° 8	21°42	18°18	0°37	21° 6	27°10	10°21	20°14	29°D34	0°12	27°28	20°55	S 4
M 5	7 27 20	22°33'46	12♌ 5	11° 7	22°57	18°33	0°41	21° 5	27°10	10°20	20°16	29°34	0° 9	27°34	20°58	M 5
T 6	7 31 17	23°34'46	25°54	11°58	24°12	18°48	0°45	21° 4	27°10	10°18	20°18	29°34	0° 6	27°41	21° 0	T 6
W 7	7 35 13	24°35'46	9♍20	12°41	25°28	19° 4	0°49	21° 3	27°11	10°16	20°19	29°35	0° 3	27°48	21° 2	W 7
T 8	7 39 10	25°36'45	22°22	13°14	26°43	19°21	0°53	21° 2	27°11	10°15	20°21	29°35	29♑59	27°54	21° 5	T 8
F 9	7 43 6	26°37'43	5♎ 2	13°38	27°58	19°38	0°57	21° 2	27°12	10°13	20°23	29°36	29°56	28° 1	21° 7	F 9
S 10	7 47 3	27°38'41	17°23	13°52	29°14	19°55	1° 2	21° 1	27°13	10°12	20°25	29°36	29°53	28° 8	21° 9	S 10
S 11	7 50 59	28°39'38	29°30	13°R54	0♒29	20°13	1° 7	21° 1	27°13	10°10	20°27	29°R36	29°50	28°15	21°11	S 11
M12	7 54 56	29°40'34	11♏26	13°45	1°44	20°32	1°12	21° 1	27°14	10° 8	20°29	29°D36	29°47	28°21	21°13	M12
T 13	7 58 52	0♒41'29	23°18	13°25	3° 0	20°50	1°17	21° 0	27°15	10° 7	20°31	29°36	29°43	28°28	21°14	T 13
W14	8 2 49	1°42'24	5♐ 9	12°54	4°15	21° 9	1°22	21°D 0	27°16	10° 5	20°32	29°36	29°40	28°35	21°16	W14
T 15	8 6 46	2°43'18	17° 4	12°12	5°30	21°29	1°27	21° 0	27°16	10° 3	20°34	29°36	29°37	28°41	21°17	T 15
F 16	8 10 42	3°44'11	29° 5	11°22	6°46	21°49	1°33	21° 0	27°17	10° 2	20°36	29°37	29°34	28°48	21°19	F 16
S 17	8 14 39	4°45'02	11♑17	10°23	8° 1	22° 9	1°39	21° 1	27°18	10° 0	20°38	29°37	29°31	28°55	21°20	S 17
S 18	8 18 35	5°45'53	23°42	9°18	9°16	22°30	1°45	21° 1	27°19	9°58	20°39	29°R37	29°28	29° 2	21°21	S 18
M19	8 22 32	6°46'42	6♒20	8° 9	10°31	22°51	1°51	21° 2	27°21	9°57	20°41	29°37	29°24	29° 8	21°22	M19
T 20	8 26 28	7°47'30	19°13	6°58	11°47	23°12	1°57	21° 2	27°22	9°55	20°43	29°37	29°21	29°15	21°23	T 20
W21	8 30 25	8°48'17	2♓20	5°46	13° 2	23°34	2° 4	21° 3	27°23	9°53	20°44	29°36	29°18	29°22	21°24	W21
T 22	8 34 21	9°49'02	15°41	4°36	14°17	23°56	2°10	21° 4	27°24	9°51	20°46	29°35	29°15	29°28	21°24	T 22
F 23	8 38 18	10°49'46	29°15	3°29	15°32	24°19	2°17	21° 5	27°25	9°50	20°47	29°33	29°12	29°35	21°25	F 23
S 24	8 42 15	11°50'28	13♈ 0	2°27	16°47	24°41	2°24	21° 6	27°27	9°48	20°49	29°32	29° 9	29°42	21°25	S 24
S 25	8 46 11	12°51'08	26°55	1°30	18° 2	25° 4	2°31	21° 7	27°28	9°46	20°50	29°31	29° 5	29°48	21°25	S 25
M26	8 50 8	13°51'47	10♉59	0°41	19°18	25°28	2°38	21° 8	27°30	9°45	20°52	29°D30	29° 2	29°55	21°26	M26
T 27	8 54 4	14°52'24	25°10	29♑59	20°33	25°51	2°46	21° 9	27°31	9°43	20°53	29°31	28°59	0♐ 2	21°R26	T 27
W28	8 58 1	15°52'59	9♊25	29°25	21°48	26°15	2°53	21°11	27°33	9°41	20°55	29°31	28°56	0° 9	21°25	W28
T 29	9 1 57	16°53'32	23°43	28°58	23° 3	26°40	3° 1	21°13	27°34	9°40	20°56	29°33	28°53	0°15	21°25	T 29
F 30	9 5 54	17°54'03	8♋ 0	28°40	24°18	27° 4	3° 9	21°14	27°36	9°38	20°58	29°34	28°49	0°22	21°25	F 30
S 31	9 9 50	18♒54'33	22♋13	28♑28	25♒33	27♉29	3♉17	21♉16	27♈38	9♌36	20♐59	29♑35	28♑46	0♐29	21♎25	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s15	26n19	3n47	19s33	0s53	23s11	0s52	19n 8	2n 4	10n38	1s 7	16n 7	2s 5	10n 2	0s30	17n53	0n12	16s59	6n12	20s19	20s 9	24s 4	9s29	1s27
F 2	22 7	26 15	2 43	19 2	0 42	23 3	0 54	19 12	2 4	10 39	1 7	16 7	2 4	10 2	0 30	17 54	0 12	17 0	6 12	20 19	20 10	24 5	9 30	1 27
S 3	21 58	24 20	1 29	18 32	0 29	22 54	0 56	19 16	2 4	10 41	1 7	16 7	2 4	10 2	0 30	17 54	0 12	17 0	6 12	20 19	20 11	24 6	9 31	1 27
S 4	21 48	20 49	0 9	18 1	0 16	22 44	0 58	19 20	2 5	10 42	1 6	16 7	2 4	10 2	0 30	17 55	0 12	17 0	6 12	20 20	20 11	24 7	9 32	1 27
M 5	21 38	16 8	1s 9	17 32	0 1	22 33	0 59	19 25	2 5	10 44	1 6	16 7	2 4	10 2	0 30	17 55	0 12	17 0	6 12	20 19	20 12	24 9	9 33	1 26
T 6	21 28	10 43	2 21	17 3	0n14	22 22	1 1	19 29	2 5	10 45	1 6	16 7	2 3	10 2	0 30	17 55	0 12	17 0	6 12	20 19	20 13	24 10	9 34	1 26
W 7	21 17	4 58	3 23	16 36	0 30	22 10	1 3	19 34	2 5	10 47	1 5	16 7	2 3	10 3	0 30	17 56	0 12	17 0	6 12	20 19	20 13	24 11	9 34	1 26
T 8	21 6	0s50	4 13	16 10	0 47	21 57	1 4	19 38	2 5	10 49	1 5	16 7	2 3	10 3	0 30	17 56	0 12	17 0	6 12	20 19	20 14	24 12	9 35	1 26
F 9	20 55	6 25	4 49	15 47	1 4	21 44	1 6	19 43	2 5	10 51	1 5	16 7	2 2	10 3	0 30	17 57	0 12	17 0	6 12	20 19	20 15	24 13	9 36	1 26
S 10	20 43	11 37	5 10	15 26	1 22	21 30	1 8	19 48	2 5	10 52	1 4	16 7	2 2	10 3	0 30	17 57	0 12	17 1	6 12	20 19	20 15	24 14	9 36	1 26
S 11	20 31	16 17	5 17	15 8	1 39	21 15	1 9	19 53	2 5	10 54	1 4	16 7	2 2	10 4	0 30	17 58	0 12	17 1	6 12	20 19	20 16	24 16	9 37	1 26
M12	20 18	20 14	5 11	14 54	1 57	21 0	1 10	19 58	2 5	10 56	1 4	16 8	2 2	10 4	0 30	17 58	0 12	17 1	6 12	20 19	20 17	24 17	9 37	1 25
T 13	20 5	23 21	4 51	14 43	2 15	20 44	1 12	20 3	2 5	10 58	1 4	16 8	2 1	10 4	0 30	17 59	0 12	17 1	6 12	20 19	20 17	24 18	9 38	1 25
W14	19 52	25 29	4 18	14 36	2 31	20 27	1 13	20 8	2 5	11 0	1 3	16 8	2 1	10 5	0 30	17 59	0 12	17 1	6 12	20 19	20 18	24 19	9 38	1 25
T 15	19 38	26 28	3 35	14 32	2 47	20 10	1 14	20 13	2 5	11 3	1 3	16 8	2 1	10 5	0 30	18 0	0 12	17 1	6 12	20 19	20 19	24 20	9 39	1 25
F 16	19 24	26 13	2 41	14 32	3 1	19 53	1 16	20 18	2 5	11 5	1 3	16 9	2 0	10 5	0 30	18 0	0 12	17 1	6 12	20 19	20 19	24 21	9 39	1 25
S 17	19 9	24 43	1 40	14 36	3 14	19 34	1 17	20 23	2 5	11 7	1 2	16 9	2 0	10 6	0 30	18 0	0 12	17 1	6 12	20 19	20 20	24 22	9 40	1 25
S 18	18 54	21 59	0 33	14 43	3 24	19 15	1 18	20 29	2 5	11 9	1 2	16 9	2 0	10 6	0 30	18 1	0 12	17 1	6 12	20 19	20 21	24 23	9 40	1 24
M19	18 39	18 10	0n37	14 53	3 32	18 56	1 19	20 34	2 5	11 12	1 2	16 10	2 0	10 6	0 30	18 1	0 12	17 1	6 12	20 19	20 21	24 24	9 40	1 24
T 20	18 24	13 26	1 47	15 5	3 38	18 36	1 20	20 39	2 5	11 14	1 2	16 10	1 59	10 7	0 30	18 2	0 12	17 1	6 12	20 19	20 22	24 25	9 40	1 24
W21	18 8	8 1	2 52	15 19	3 42	18 16	1 21	20 45	2 4	11 17	1 1	16 11	1 59	10 7	0 30	18 2	0 12	17 2	6 12	20 19	20 23	24 27	9 40	1 24
T 22	17 52	2 9	3 48	15 35	3 43	17 55	1 22	20 50	2 4	11 19	1 1	16 11	1 59	10 8	0 30	18 3	0 12	17 2	6 12	20 19	20 23	24 28	9 40	1 24
F 23	17 35	3n53	4 33	15 52	3 42	17 33	1 22	20 56	2 4	11 22	1 1	16 12	1 58	10 8	0 30	18 3	0 12	17 2	6 12	20 20	20 24	24 29	9 40	1 24
S 24	17 18	9 48	5 3	16 9	3 38	17 11	1 23	21 1	2 4	11 25	1 0	16 12	1 58	10 9	0 29	18 4	0 12	17 2	6 12	20 20	20 25	24 30	9 40	1 23
S 25	17 1	15 19	5 16	16 26	3 33	16 49	1 24	21 7	2 4	11 27	1 0	16 13	1 58	10 9	0 29	18 4	0 12	17 2	6 12	20 20	20 25	24 31	9 40	1 23
M26	16 44	20 5	5 10	16 44	3 26	16 26	1 24	21 12	2 4	11 30	1 0	16 14	1 58	10 10	0 29	18 5	0 12	17 2	6 12	20 20	20 26	24 32	9 40	1 23
T 27	16 26	23 44	4 45	17 1	3 18	16 2	1 25	21 18	2 4	11 33	1 0	16 14	1 57	10 11	0 29	18 5	0 12	17 2	6 12	20 20	20 27	24 33	9 40	1 23
W28	16 8	25 57	4 3	17 17	3 8	15 39	1 25	21 24	2 3	11 36	0 59	16 15	1 57	10 11	0 29	18 6	0 12	17 2	6 12	20 20	20 27	24 34	9 40	1 23
T 29	15 50	26 28	3 5	17 33	2 58	15 14	1 26	21 29	2 3	11 38	0 59	16 16	1 57	10 12	0 29	18 6	0 12	17 2	6 12	20 20	20 28	24 35	9 40	1 23
F 30	15 32	25 14	1 56	17 48	2 46	14 50	1 26	21 35	2 3	11 41	0 59	16 16	1 56	10 12	0 29	18 6	0 12	17 2	6 13	20 19	20 29	24 36	9 39	1 22
S 31	15s13	22n22	0n41	18s 2	2n34	14s25	1s27	21n40	2n 3	11n44	0s59	16n17	1s56	10n13	0s29	18n 7	0n12	17s 2	6n13	20s19	20s29	24s37	9s39	1s22

Julian Day Number = 2183099.5, Delta T = 11m20s
Ecliptic obliquity = 23°32'09, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'25, Lahiri = 13°36'25 Julian Calendar 1 Jan. 1265 == Greg. Calendar 8 Jan. 1265

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

FEBRUARY 1265 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 13 47	19♒55'01	6♌17	28°D25	26♒48	27♉54	3♉25	21♉18	27♈39	9°R35	21♐ 1	29°R35	28♑43	0♐35	21°R24	S 1
M 2	9 17 44	20°55'27	20°10	28♑28	28° 3	28°19	3°33	21°20	27°41	9♌33	21° 2	29♑34	28°40	0°42	21♎23	M 2
T 3	9 21 40	21°55'51	3♍47	28°37	29°18	28°45	3°42	21°22	27°43	9°31	21° 3	29°32	28°37	0°49	21°23	T 3
W 4	9 25 37	22°56'14	17° 6	28°53	0♓33	29°10	3°50	21°25	27°45	9°30	21° 4	29°28	28°34	0°56	21°22	W 4
T 5	9 29 33	23°56'35	0♎ 5	29°14	1°48	29°36	3°59	21°27	27°47	9°28	21° 6	29°24	28°30	1° 2	21°21	T 5
F 6	9 33 30	24°56'55	12°46	29°41	3° 3	0♊ 2	4° 8	21°29	27°49	9°27	21° 7	29°20	28°27	1° 9	21°20	F 6
S 7	9 37 26	25°57'13	25°10	0♒13	4°18	0°29	4°17	21°32	27°50	9°25	21° 8	29°17	28°24	1°16	21°18	S 7
S 8	9 41 23	26°57'30	7♏19	0°49	5°33	0°56	4°26	21°35	27°53	9°23	21° 9	29°14	28°21	1°22	21°17	S 8
M 9	9 45 19	27°57'45	19°18	1°30	6°48	1°22	4°35	21°37	27°55	9°22	21°10	29°12	28°18	1°29	21°16	M 9
T 10	9 49 16	28°57'58	1♐10	2°14	8° 3	1°49	4°45	21°40	27°57	9°20	21°11	29°D12	28°15	1°36	21°14	T 10
W11	9 53 13	29°58'10	13° 1	3° 2	9°17	2°17	4°54	21°43	27°59	9°19	21°13	29°12	28°11	1°42	21°12	W11
T 12	9 57 9	0♓58'21	24°56	3°54	10°32	2°44	5° 4	21°46	28° 1	9°17	21°14	29°14	28° 8	1°49	21°11	T 12
F 13	10 1 6	1°58'30	7♑ 0	4°48	11°47	3°12	5°13	21°50	28° 3	9°16	21°15	29°16	28° 5	1°56	21° 9	F 13
S 14	10 5 2	2°58'37	19°16	5°46	13° 2	3°40	5°23	21°53	28° 6	9°14	21°16	29°17	28° 2	2° 3	21° 7	S 14
S 15	10 8 59	3°58'43	1♒49	6°46	14°17	4° 8	5°33	21°56	28° 8	9°13	21°17	29°R18	27°59	2° 9	21° 5	S 15
M16	10 12 55	4°58'46	14°41	7°49	15°31	4°36	5°43	22° 0	28°10	9°11	21°18	29°16	27°55	2°16	21° 2	M16
T 17	10 16 52	5°58'48	27°53	8°55	16°46	5° 4	5°53	22° 3	28°13	9°10	21°18	29°14	27°52	2°23	21° 0	T 17
W18	10 20 48	6°58'48	11♓24	10° 2	18° 1	5°33	6° 4	22° 7	28°15	9° 8	21°19	29° 9	27°49	2°29	20°58	W18
T 19	10 24 45	7°58'46	25°13	11°12	19°16	6° 2	6°14	22°11	28°17	9° 7	21°20	29° 3	27°46	2°36	20°55	T 19
F 20	10 28 42	8°58'42	9♈15	12°24	20°30	6°31	6°24	22°15	28°20	9° 5	21°21	28°56	27°43	2°43	20°53	F 20
S 21	10 32 38	9°58'36	23°27	13°37	21°45	7° 0	6°35	22°19	28°22	9° 4	21°22	28°50	27°40	2°49	20°50	S 21
S 22	10 36 35	10°58'28	7♉43	14°53	22°59	7°29	6°46	22°23	28°25	9° 2	21°22	28°45	27°36	2°56	20°47	S 22
M23	10 40 31	11°58'17	21°59	16°10	24°14	7°58	6°57	22°27	28°28	9° 1	21°23	28°41	27°33	3° 3	20°44	M23
T 24	10 44 28	12°58'05	6♊12	17°29	25°29	8°28	7° 8	22°31	28°30	9° 0	21°24	28°39	27°30	3° 9	20°41	T 24
W25	10 48 24	13°57'50	20°20	18°49	26°43	8°58	7°19	22°36	28°33	8°58	21°24	28°D39	27°27	3°16	20°38	W25
T 26	10 52 21	14°57'32	4♋22	20°12	27°58	9°28	7°30	22°40	28°36	8°57	21°25	28°40	27°24	3°23	20°35	T 26
F 27	10 56 17	15°57'13	18°16	21°35	29°12	9°58	7°41	22°45	28°38	8°56	21°26	28°41	27°20	3°30	20°32	F 27
S 28	11 0 14	16♓56'51	2♌ 1	23♒ 0	0♈27	10♊28	7♉52	22♉49	28♈41	8♌55	21♐26	28°R42	27♑17	3♐36	20♎29	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s54	18n11	0s37	18s15	2n22	13s59	1s27	21n46	2n 3	11n47	0s58	16n18	1s56	10n14	0s29	18n 7	0n12	17s 2	6n13	20s19	20s30	24s38	9s39	1s22
M 2	14 35	13 4	1 51	18 26	2 10	13 33	1 27	21 51	2 2	11 50	0 58	16 19	1 56	10 14	0 29	18 8	0 12	17 2	6 13	20 19	20 31	24 39	9 38	1 22
T 3	14 15	7 25	2 57	18 37	1 57	13 7	1 27	21 57	2 2	11 54	0 58	16 19	1 55	10 15	0 29	18 8	0 12	17 2	6 13	20 20	20 31	24 40	9 38	1 22
W 4	13 56	1 33	3 52	18 46	1 44	12 41	1 27	22 2	2 2	11 57	0 58	16 20	1 55	10 16	0 29	18 9	0 12	17 2	6 13	20 21	20 32	24 41	9 37	1 22
T 5	13 36	4s13	4 34	18 54	1 32	12 14	1 27	22 8	2 2	12 0	0 57	16 21	1 55	10 16	0 29	18 9	0 12	17 2	6 13	20 21	20 33	24 42	9 37	1 21
F 6	13 15	9 40	5 1	19 0	1 19	11 47	1 27	22 13	2 2	12 3	0 57	16 22	1 54	10 17	0 29	18 10	0 12	17 2	6 13	20 22	20 33	24 43	9 36	1 21
S 7	12 55	14 37	5 13	19 6	1 7	11 19	1 27	22 19	2 1	12 6	0 57	16 23	1 54	10 18	0 29	18 10	0 12	17 2	6 13	20 23	20 34	24 44	9 36	1 21
S 8	12 35	18 53	5 10	19 10	0 55	10 51	1 27	22 24	2 1	12 10	0 57	16 24	1 54	10 19	0 29	18 11	0 12	17 2	6 13	20 24	20 35	24 45	9 35	1 21
M 9	12 14	22 20	4 55	19 13	0 43	10 23	1 26	22 29	2 1	12 13	0 56	16 25	1 54	10 19	0 29	18 11	0 12	17 2	6 13	20 24	20 35	24 45	9 34	1 21
T 10	11 53	24 49	4 26	19 14	0 31	9 55	1 26	22 35	2 1	12 16	0 56	16 26	1 53	10 20	0 29	18 11	0 12	17 2	6 13	20 24	20 36	24 46	9 33	1 20
W11	11 32	26 12	3 47	19 14	0 20	9 26	1 26	22 40	2 0	12 20	0 56	16 27	1 53	10 21	0 29	18 12	0 12	17 2	6 13	20 24	20 36	24 47	9 33	1 20
T 12	11 10	26 23	2 57	19 12	0 9	8 58	1 25	22 45	2 0	12 23	0 56	16 28	1 53	10 22	0 29	18 12	0 12	17 2	6 14	20 24	20 37	24 48	9 32	1 20
F 13	10 49	25 20	1 59	19 10	0s 1	8 28	1 25	22 50	2 0	12 27	0 56	16 29	1 53	10 23	0 29	18 13	0 12	17 2	6 14	20 23	20 38	24 49	9 31	1 20
S 14	10 27	23 3	0 55	19 6	0 12	7 59	1 24	22 56	2 0	12 30	0 55	16 30	1 52	10 23	0 29	18 13	0 12	17 2	6 14	20 23	20 38	24 50	9 30	1 20
S 15	10 5	19 37	0n14	19 0	0 21	7 30	1 23	23 1	1 59	12 34	0 55	16 31	1 52	10 24	0 29	18 13	0 12	17 2	6 14	20 23	20 39	24 51	9 29	1 19
M16	9 43	15 10	1 23	18 53	0 31	7 0	1 23	23 6	1 59	12 37	0 55	16 32	1 52	10 25	0 29	18 14	0 12	17 2	6 14	20 23	20 40	24 52	9 28	1 19
T 17	9 21	9 55	2 29	18 45	0 40	6 30	1 22	23 11	1 59	12 41	0 55	16 34	1 51	10 26	0 29	18 14	0 12	17 2	6 14	20 24	20 40	24 53	9 27	1 19
W18	8 59	4 6	3 29	18 35	0 49	6 0	1 21	23 16	1 58	12 44	0 54	16 35	1 51	10 27	0 29	18 15	0 12	17 2	6 14	20 25	20 41	24 54	9 26	1 19
T 19	8 37	2n 2	4 17	18 24	0 57	5 30	1 20	23 20	1 58	12 48	0 54	16 36	1 51	10 28	0 29	18 15	0 12	17 2	6 14	20 26	20 42	24 54	9 25	1 18
F 20	8 14	8 8	4 51	18 12	1 5	4 59	1 19	23 25	1 58	12 52	0 54	16 37	1 51	10 29	0 29	18 15	0 12	17 2	6 14	20 27	20 42	24 55	9 23	1 18
S 21	7 52	13 54	5 8	17 58	1 13	4 29	1 18	23 30	1 58	12 55	0 54	16 39	1 50	10 30	0 29	18 16	0 13	17 2	6 14	20 29	20 43	24 56	9 22	1 18
S 22	7 29	18 57	5 6	17 43	1 20	3 58	1 17	23 35	1 57	12 59	0 54	16 40	1 50	10 31	0 29	18 16	0 13	17 1	6 15	20 30	20 43	24 57	9 21	1 18
M23	7 6	22 54	4 44	17 26	1 27	3 27	1 16	23 39	1 57	13 3	0 53	16 41	1 50	10 31	0 29	18 17	0 13	17 1	6 15	20 30	20 44	24 58	9 20	1 18
T 24	6 43	25 28	4 6	17 8	1 33	2 57	1 15	23 44	1 57	13 7	0 53	16 42	1 50	10 32	0 29	18 17	0 13	17 1	6 15	20 31	20 45	24 59	9 18	1 17
W25	6 20	26 23	3 12	16 49	1 39	2 26	1 13	23 48	1 56	13 10	0 53	16 44	1 49	10 33	0 29	18 17	0 13	17 1	6 15	20 31	20 45	24 59	9 17	1 17
T 26	5 57	25 35	2 8	16 28	1 45	1 55	1 12	23 52	1 56	13 14	0 53	16 45	1 49	10 34	0 29	18 18	0 13	17 1	6 15	20 31	20 46	25 0	9 15	1 17
F 27	5 34	23 13	0 56	16 6	1 50	1 24	1 11	23 57	1 56	13 18	0 53	16 47	1 49	10 35	0 29	18 18	0 13	17 1	6 15	20 30	20 47	25 1	9 14	1 17
S 28	5s10	19n30	0s18	15s43	1s55	0s53	1s 9	24n 1	1n55	13n22	0s52	16n48	1s49	10n36	0s29	18n18	0n13	17s 1	6n15	20s30	20s47	25s 2	9s12	1s16

Julian Day Number = 2183130.5, Delta T = 11m20s
Ecliptic obliquity = 23°32'09, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'29, Lahiri = 13°36'30 Julian Calendar 1 Feb. 1265 == Greg. Calendar 8 Feb. 1265

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

MARCH 1265 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 4 11	17♓56'26	15♌38	24♒27	1♈41	10♊58	8♉ 3	22♉54	28♈44	8°R53	21♐27	28°R40	27♑14	3♐43	20°R25	S 1
M 2	11 8 7	18°56'00	29° 5	25°55	2°55	11°28	8°15	22°59	28°47	8♌52	21°27	28♑37	27°11	3°50	20♎22	M 2
T 3	11 12 4	19°55'31	12♍20	27°24	4°10	11°59	8°26	23° 3	28°50	8°51	21°28	28°31	27° 8	3°56	20°18	T 3
W 4	11 16 0	20°55'00	25°22	28°55	5°24	12°29	8°38	23° 8	28°52	8°50	21°28	28°23	27° 5	4° 3	20°15	W 4
T 5	11 19 57	21°54'27	8♎10	0♓28	6°38	13° 0	8°50	23°13	28°55	8°49	21°28	28°13	27° 1	4°10	20°11	T 5
F 6	11 23 53	22°53'52	20°44	2° 1	7°53	13°31	9° 2	23°18	28°58	8°47	21°29	28° 3	26°58	4°16	20° 7	F 6
S 7	11 27 50	23°53'15	3♏ 4	3°36	9° 7	14° 2	9°14	23°24	29° 1	8°46	21°29	27°53	26°55	4°23	20° 4	S 7
S 8	11 31 46	24°52'37	15°11	5°12	10°21	14°33	9°25	23°29	29° 4	8°45	21°29	27°45	26°52	4°30	20° 0	S 8
M 9	11 35 43	25°51'56	27° 9	6°50	11°35	15° 4	9°37	23°34	29° 7	8°44	21°30	27°38	26°49	4°37	19°56	M 9
T 10	11 39 39	26°51'14	9♐ 1	8°29	12°50	15°36	9°50	23°40	29°10	8°43	21°30	27°34	26°46	4°43	19°52	T 10
W11	11 43 36	27°50'30	20°51	10°10	14° 4	16° 7	10° 2	23°45	29°13	8°42	21°30	27°32	26°42	4°50	19°48	W11
T 12	11 47 33	28°49'44	2♑45	11°51	15°18	16°38	10°14	23°51	29°16	8°41	21°30	27°D32	26°39	4°57	19°44	T 12
F 13	11 51 29	29°48'56	14°48	13°35	16°32	17°10	10°26	23°56	29°19	8°40	21°30	27°33	26°36	5° 3	19°39	F 13
S 14	11 55 26	0♈48'07	27° 4	15°19	17°46	17°42	10°39	24° 2	29°23	8°39	21°31	27°R33	26°33	5°10	19°35	S 14
S 15	11 59 22	1°47'15	9♒40	17° 5	19° 0	18°14	10°51	24° 8	29°26	8°39	21°31	27°33	26°30	5°17	19°31	S 15
M16	12 3 19	2°46'22	22°38	18°52	20°14	18°46	11° 4	24°13	29°29	8°38	21°31	27°30	26°26	5°23	19°27	M16
T 17	12 7 15	3°45'27	6♓ 1	20°41	21°28	19°18	11°16	24°19	29°32	8°37	21°R31	27°25	26°23	5°30	19°22	T 17
W18	12 11 12	4°44'29	19°50	22°31	22°42	19°50	11°29	24°25	29°35	8°36	21°31	27°17	26°20	5°37	19°18	W18
T 19	12 15 8	5°43'30	4♈ 1	24°23	23°56	20°22	11°42	24°31	29°39	8°35	21°31	27° 7	26°17	5°43	19°13	T 19
F 20	12 19 5	6°42'29	18°29	26°16	25°10	20°54	11°54	24°37	29°42	8°35	21°30	26°56	26°14	5°50	19° 9	F 20
S 21	12 23 2	7°41'26	3♉ 9	28°11	26°24	21°27	12° 7	24°43	29°45	8°34	21°30	26°46	26°11	5°57	19° 4	S 21
S 22	12 26 58	8°40'21	17°51	0♈ 7	27°37	21°59	12°20	24°50	29°48	8°33	21°30	26°37	26° 7	6° 4	19° 0	S 22
M23	12 30 55	9°39'13	2♊29	2° 4	28°51	22°32	12°33	24°56	29°52	8°33	21°30	26°30	26° 4	6°10	18°55	M23
T 24	12 34 51	10°38'03	16°57	4° 3	0♉ 5	23° 4	12°46	25° 2	29°55	8°32	21°30	26°25	26° 1	6°17	18°51	T 24
W25	12 38 48	11°36'51	1♋11	6° 3	1°19	23°37	12°59	25° 9	29°58	8°31	21°30	26°24	25°58	6°24	18°46	W25
T 26	12 42 44	12°35'37	15°10	8° 5	2°32	24°10	13°12	25°15	0♉ 2	8°31	21°29	26°D23	25°55	6°30	18°42	T 26
F 27	12 46 41	13°34'20	28°54	10° 7	3°46	24°43	13°25	25°22	0° 5	8°30	21°29	26°R23	25°52	6°37	18°37	F 27
S 28	12 50 37	14°33'01	12♌23	12°11	5° 0	25°15	13°39	25°28	0° 8	8°30	21°29	26°23	25°48	6°44	18°32	S 28
S 29	12 54 34	15°31'40	25°39	14°16	6°13	25°48	13°52	25°35	0°12	8°29	21°28	26°20	25°45	6°50	18°28	S 29
M30	12 58 31	16°30'16	8♍44	16°22	7°27	26°22	14° 5	25°41	0°15	8°29	21°28	26°14	25°42	6°57	18°23	M30
T 31	13 2 27	17♈28'50	21♍37	18♈29	8♉40	26♊55	14♉19	25♉48	0♉18	8♌28	21♐27	26♑ 6	25♑39	7♐ 4	18♎18	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s47	14n47	1s30	15s18	1s59	0s22	1s 8	24n 5	1n55	13n26	0s52	16n49	1s48	10n37	0s28	18n19	0n13	17s 1	6n15	20s31	20s48	25s 3	9s11	1s16
M 2	4 24	9 24	2 36	14 52	2 3	0n 9	1 6	24 9	1 55	13 30	0 52	16 51	1 48	10 38	0 28	18 19	0 13	17 1	6 15	20 31	20 48	25 3	9 9	1 16
T 3	4 0	3 41	3 32	14 24	2 7	0 41	1 4	24 13	1 55	13 33	0 52	16 52	1 48	10 39	0 28	18 19	0 13	17 1	6 15	20 33	20 49	25 4	9 8	1 16
W 4	3 37	2s 5	4 17	13 55	2 10	1 12	1 3	24 16	1 54	13 37	0 52	16 54	1 48	10 41	0 28	18 20	0 13	17 1	6 16	20 34	20 50	25 5	9 6	1 15
T 5	3 13	7 39	4 47	13 25	2 12	1 43	1 1	24 20	1 54	13 41	0 51	16 55	1 48	10 42	0 28	18 20	0 13	17 1	6 16	20 36	20 50	25 6	9 5	1 15
F 6	2 50	12 48	5 3	12 53	2 15	2 14	0 59	24 24	1 54	13 45	0 51	16 57	1 47	10 43	0 28	18 20	0 13	17 1	6 16	20 38	20 51	25 6	9 3	1 15
S 7	2 26	17 20	5 4	12 21	2 16	2 45	0 57	24 27	1 53	13 49	0 51	16 58	1 47	10 44	0 28	18 21	0 13	17 1	6 16	20 40	20 52	25 7	9 1	1 14
S 8	2 3	21 5	4 51	11 46	2 18	3 16	0 56	24 30	1 53	13 53	0 51	17 0	1 47	10 45	0 28	18 21	0 13	17 0	6 16	20 42	20 52	25 8	8 59	1 14
M 9	1 39	23 55	4 26	11 11	2 18	3 47	0 54	24 34	1 53	13 57	0 51	17 1	1 47	10 46	0 28	18 21	0 13	17 0	6 16	20 43	20 53	25 9	8 58	1 14
T 10	1 15	25 40	3 49	10 34	2 19	4 18	0 52	24 37	1 52	14 1	0 51	17 3	1 46	10 47	0 28	18 21	0 13	17 0	6 16	20 44	20 53	25 9	8 56	1 14
W11	0 52	26 16	3 3	9 56	2 19	4 48	0 50	24 40	1 52	14 5	0 50	17 4	1 46	10 48	0 28	18 22	0 13	17 0	6 16	20 44	20 54	25 10	8 54	1 13
T 12	0 28	25 39	2 9	9 16	2 18	5 19	0 48	24 43	1 52	14 9	0 50	17 6	1 46	10 49	0 28	18 22	0 13	17 0	6 16	20 44	20 55	25 11	8 52	1 13
F 13	0 4	23 50	1 8	8 35	2 17	5 50	0 45	24 46	1 51	14 13	0 50	17 7	1 46	10 50	0 28	18 22	0 13	17 0	6 16	20 44	20 55	25 12	8 50	1 13
S 14	0n19	20 52	0 3	7 53	2 15	6 20	0 43	24 48	1 51	14 17	0 50	17 9	1 46	10 51	0 28	18 22	0 13	17 0	6 17	20 44	20 56	25 12	8 49	1 12
S 15	0 43	16 52	1n 4	7 10	2 13	6 50	0 41	24 51	1 51	14 21	0 50	17 11	1 45	10 53	0 28	18 23	0 13	17 0	6 17	20 44	20 56	25 13	8 47	1 12
M16	1 6	11 59	2 9	6 25	2 11	7 20	0 39	24 53	1 50	14 25	0 50	17 12	1 45	10 54	0 28	18 23	0 13	17 0	6 17	20 45	20 57	25 14	8 45	1 12
T 17	1 30	6 24	3 10	5 40	2 8	7 50	0 37	24 56	1 50	14 29	0 49	17 14	1 45	10 55	0 28	18 23	0 13	17 0	6 17	20 46	20 58	25 14	8 43	1 12
W18	1 54	0 22	4 1	4 53	2 4	8 20	0 34	24 58	1 50	14 33	0 49	17 16	1 45	10 56	0 28	18 23	0 13	17 0	6 17	20 47	20 58	25 15	8 41	1 11
T 19	2 17	5n51	4 38	4 4	2 0	8 50	0 32	25 0	1 49	14 38	0 49	17 17	1 45	10 57	0 28	18 24	0 13	16 59	6 17	20 49	20 59	25 16	8 39	1 11
F 20	2 40	11 52	4 59	3 15	1 55	9 19	0 30	25 2	1 49	14 42	0 49	17 19	1 44	10 58	0 28	18 24	0 13	16 59	6 17	20 51	20 59	25 16	8 37	1 11
S 21	3 4	17 18	5 0	2 25	1 50	9 48	0 27	25 4	1 49	14 46	0 49	17 21	1 44	10 59	0 28	18 24	0 13	16 59	6 17	20 53	21 0	25 17	8 35	1 10
S 22	3 27	21 43	4 42	1 33	1 45	10 17	0 25	25 6	1 48	14 50	0 49	17 22	1 44	11 1	0 28	18 24	0 13	16 59	6 17	20 55	21 1	25 18	8 33	1 10
M23	3 50	24 44	4 5	0 41	1 38	10 46	0 22	25 7	1 48	14 54	0 48	17 24	1 44	11 2	0 28	18 24	0 13	16 59	6 17	20 56	21 1	25 18	8 31	1 10
T 24	4 14	26 5	3 13	0n13	1 32	11 14	0 20	25 9	1 47	14 58	0 48	17 26	1 44	11 3	0 28	18 24	0 13	16 59	6 18	20 57	21 2	25 19	8 29	1 9
W25	4 37	25 41	2 9	1 7	1 25	11 42	0 17	25 10	1 47	15 2	0 48	17 27	1 43	11 4	0 28	18 25	0 13	16 59	6 18	20 58	21 2	25 19	8 27	1 9
T 26	5 0	23 39	0 59	2 2	1 17	12 10	0 15	25 11	1 47	15 6	0 48	17 29	1 43	11 5	0 28	18 25	0 13	16 59	6 18	20 58	21 3	25 20	8 25	1 9
F 27	5 23	20 15	0s13	2 58	1 9	12 38	0 12	25 12	1 46	15 10	0 48	17 31	1 43	11 7	0 28	18 25	0 13	16 59	6 18	20 58	21 4	25 21	8 22	1 8
S 28	5 45	15 49	1 24	3 55	1 0	13 5	0 10	25 13	1 46	15 14	0 48	17 33	1 43	11 8	0 28	18 25	0 13	16 58	6 18	20 58	21 4	25 21	8 20	1 8
S 29	6 8	10 42	2 28	4 52	0 51	13 32	0 7	25 14	1 46	15 18	0 48	17 34	1 43	11 9	0 28	18 25	0 13	16 58	6 18	20 58	21 5	25 22	8 18	1 8
M30	6 31	5 11	3 24	5 49	0 42	13 59	0 4	25 14	1 45	15 23	0 47	17 36	1 42	11 10	0 28	18 25	0 13	16 58	6 18	20 59	21 5	25 22	8 16	1 7
T 31	6n53	0s28	4s 8	6n47	0s32	14n25	0s 2	25n15	1n45	15n27	0s47	17n38	1s42	11n11	0s28	18n25	0n13	16s58	6n18	21s 1	21s 6	25s23	8s14	1s 7

Julian Day Number = 2183158.5, Delta T = 11m20s
Ecliptic obliquity = 23°32'10, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'33, Lahiri = 13°36'33 Julian Calendar 1 March 1265 == Greg. Calendar 8 March 1265

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

APRIL 1265 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 6 24	18♈27'22	4♎19	20♈36	9♉54	27♊28	14♉32	25♉55	0♉22	8°R28	21°R27	25°R55	25♑36	7♐10	18°R14	W 1
T 2	13 10 20	19°25'52	16°51	22°44	11° 7	28° 1	14°45	26° 2	0°25	8♌28	21♐26	25♑42	25°32	7°17	18♎ 9	T 2
F 3	13 14 17	20°24'21	29°12	24°51	12°20	28°35	14°59	26° 8	0°29	8°27	21°26	25°28	25°29	7°24	18° 4	F 3
S 4	13 18 13	21°22'47	11♏23	26°59	13°34	29° 8	15°12	26°15	0°32	8°27	21°25	25°15	25°26	7°30	18° 0	S 4
S 5	13 22 10	22°21'12	23°25	29° 6	14°47	29°41	15°26	26°22	0°35	8°27	21°25	25° 3	25°23	7°37	17°55	S 5
M 6	13 26 6	23°19'35	5♐20	1♉13	16° 0	0♋15	15°39	26°29	0°39	8°27	21°24	24°54	25°20	7°44	17°50	M 6
T 7	13 30 3	24°17'56	17°10	3°18	17°14	0°49	15°53	26°36	0°42	8°27	21°23	24°47	25°17	7°51	17°46	T 7
W 8	13 34 0	25°16'15	28°59	5°22	18°27	1°22	16° 7	26°43	0°46	8°26	21°23	24°43	25°13	7°57	17°41	W 8
T 9	13 37 56	26°14'33	10♑51	7°25	19°40	1°56	16°20	26°50	0°49	8°26	21°22	24°41	25°10	8° 4	17°36	T 9
F 10	13 41 53	27°12'50	22°52	9°25	20°53	2°30	16°34	26°58	0°53	8°26	21°21	24°41	25° 7	8°11	17°32	F 10
S 11	13 45 49	28°11'05	5♒ 7	11°24	22° 6	3° 4	16°48	27° 5	0°56	8°26	21°21	24°41	25° 4	8°17	17°27	S 11
S 12	13 49 46	29° 9'18	17°41	13°20	23°19	3°37	17° 1	27°12	1° 0	8°D26	21°20	24°40	25° 1	8°24	17°23	S 12
M13	13 53 42	0♉ 7'30	0♓38	15°13	24°32	4°11	17°15	27°19	1° 3	8°26	21°19	24°37	24°57	8°31	17°18	M13
T 14	13 57 39	1° 5'40	14° 3	17° 3	25°45	4°45	17°29	27°26	1° 7	8°26	21°18	24°32	24°54	8°37	17°14	T 14
W15	14 1 35	2° 3'49	27°57	18°50	26°58	5°20	17°43	27°34	1°10	8°26	21°17	24°24	24°51	8°44	17° 9	W15
T 16	14 5 32	3° 1'56	12♈18	20°34	28°11	5°54	17°57	27°41	1°13	8°27	21°17	24°14	24°48	8°51	17° 5	T 16
F 17	14 9 28	4° 0'02	27° 2	22°14	29°24	6°28	18°11	27°49	1°17	8°27	21°16	24° 3	24°45	8°57	17° 1	F 17
S 18	14 13 25	4°58'06	12♉ 1	23°51	0♊37	7° 2	18°25	27°56	1°20	8°27	21°15	23°52	24°42	9° 4	16°56	S 18
S 19	14 17 22	5°56'08	27° 6	25°24	1°50	7°36	18°38	28° 3	1°24	8°27	21°14	23°43	24°38	9°11	16°52	S 19
M20	14 21 18	6°54'09	12♊ 6	26°53	3° 2	8°11	18°52	28°11	1°27	8°27	21°13	23°35	24°35	9°17	16°48	M20
T 21	14 25 15	7°52'08	26°53	28°19	4°15	8°45	19° 6	28°18	1°31	8°28	21°12	23°31	24°32	9°24	16°44	T 21
W22	14 29 11	8°50'05	11♋22	29°40	5°28	9°20	19°20	28°26	1°34	8°28	21°11	23°29	24°29	9°31	16°40	W22
T 23	14 33 8	9°48'00	25°30	0♊58	6°40	9°54	19°34	28°34	1°38	8°28	21°10	23°D28	24°26	9°38	16°36	T 23
F 24	14 37 4	10°45'53	9♌15	2°11	7°53	10°29	19°48	28°41	1°41	8°29	21° 9	23°R28	24°23	9°44	16°32	F 24
S 25	14 41 1	11°43'45	22°40	3°21	9° 6	11° 3	20° 2	28°49	1°45	8°29	21° 8	23°28	24°19	9°51	16°28	S 25
S 26	14 44 58	12°41'34	5♍47	4°26	10°18	11°38	20°16	28°56	1°48	8°30	21° 6	23°26	24°16	9°58	16°24	S 26
M27	14 48 54	13°39'22	18°37	5°27	11°30	12°13	20°30	29° 4	1°51	8°30	21° 5	23°21	24°13	10° 4	16°20	M27
T 28	14 52 51	14°37'08	1♎15	6°24	12°43	12°47	20°44	29°12	1°55	8°31	21° 4	23°14	24°10	10°11	16°17	T 28
W29	14 56 47	15°34'53	13°42	7°16	13°55	13°22	20°58	29°19	1°58	8°31	21° 3	23° 5	24° 7	10°18	16°13	W29
T 30	15 0 44	16♉32'36	25♎58	8♊ 4	15♊ 7	13♋57	21♉12	29♉27	2♉ 2	8♌32	21♐ 2	22♑53	24♑ 3	10♐24	16♎ 9	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n16	5s59	4s39	7n45	0s22	14n51	0n 1	25n15	1n45	15n31	0s47	17n39	1s42	11n13	0s28	18n25	0n13	16s58	6n18	21s 3	21s 7	25s24	8s12	1s 7
T 2	7 38	11 12	4 56	8 42	0 11	15 17	0 3	25 16	1 44	15 35	0 47	17 41	1 42	11 14	0 28	18 26	0 13	16 58	6 18	21 5	21 7	25 24	8 10	1 6
F 3	8 0	15 53	4 59	9 39	0 1	15 42	0 6	25 16	1 44	15 39	0 47	17 43	1 42	11 15	0 28	18 26	0 13	16 58	6 18	21 8	21 8	25 25	8 8	1 6
S 4	8 22	19 52	4 48	10 36	0n10	16 7	0 9	25 16	1 44	15 43	0 47	17 45	1 42	11 16	0 28	18 26	0 13	16 58	6 19	21 10	21 8	25 25	8 6	1 6
S 5	8 44	22 58	4 24	11 32	0 21	16 31	0 12	25 15	1 43	15 47	0 47	17 47	1 41	11 17	0 28	18 26	0 13	16 58	6 19	21 12	21 9	25 26	8 4	1 5
M 6	9 6	25 2	3 49	12 26	0 32	16 55	0 14	25 15	1 43	15 51	0 47	17 48	1 41	11 19	0 28	18 26	0 13	16 57	6 19	21 14	21 9	25 26	8 1	1 5
T 7	9 27	25 58	3 4	13 20	0 43	17 19	0 17	25 14	1 42	15 55	0 46	17 50	1 41	11 20	0 28	18 26	0 13	16 57	6 19	21 15	21 10	25 27	7 59	1 4
W 8	9 49	25 43	2 11	14 12	0 53	17 42	0 20	25 14	1 42	15 59	0 46	17 52	1 41	11 21	0 28	18 26	0 13	16 57	6 19	21 16	21 11	25 27	7 57	1 4
T 9	10 10	24 18	1 13	15 3	1 4	18 5	0 22	25 13	1 42	16 3	0 46	17 54	1 41	11 22	0 28	18 26	0 13	16 57	6 19	21 16	21 11	25 28	7 55	1 4
F 10	10 31	21 45	0 10	15 52	1 14	18 27	0 25	25 12	1 41	16 7	0 46	17 55	1 41	11 23	0 28	18 26	0 13	16 57	6 19	21 17	21 12	25 28	7 53	1 3
S 11	10 52	18 11	0n55	16 38	1 24	18 49	0 28	25 11	1 41	16 11	0 46	17 57	1 41	11 25	0 28	18 26	0 13	16 57	6 19	21 17	21 12	25 29	7 51	1 3
S 12	11 13	13 43	1 59	17 23	1 33	19 10	0 30	25 10	1 41	16 15	0 46	17 59	1 40	11 26	0 28	18 26	0 13	16 57	6 19	21 17	21 13	25 29	7 49	1 3
M13	11 34	8 31	2 58	18 5	1 42	19 31	0 33	25 8	1 40	16 19	0 46	18 1	1 40	11 27	0 28	18 26	0 13	16 57	6 19	21 17	21 14	25 30	7 47	1 2
T 14	11 54	2 46	3 50	18 45	1 50	19 51	0 36	25 7	1 40	16 23	0 46	18 3	1 40	11 28	0 28	18 26	0 13	16 56	6 19	21 18	21 14	25 30	7 45	1 2
W15	12 14	3n18	4 30	19 23	1 58	20 11	0 38	25 5	1 39	16 27	0 46	18 4	1 40	11 30	0 28	18 26	0 13	16 56	6 19	21 19	21 15	25 31	7 43	1 1
T 16	12 34	9 24	4 54	19 58	2 5	20 30	0 41	25 3	1 39	16 31	0 45	18 6	1 40	11 31	0 28	18 26	0 13	16 56	6 19	21 21	21 15	25 31	7 41	1 1
F 17	12 54	15 7	5 0	20 31	2 11	20 49	0 44	25 1	1 39	16 35	0 45	18 8	1 40	11 32	0 28	18 26	0 13	16 56	6 19	21 23	21 16	25 32	7 39	1 1
S 18	13 14	20 2	4 46	21 1	2 17	21 7	0 46	24 59	1 38	16 39	0 45	18 10	1 40	11 33	0 28	18 26	0 13	16 56	6 19	21 25	21 16	25 32	7 37	1 0
S 19	13 33	23 40	4 12	21 29	2 21	21 25	0 49	24 57	1 38	16 43	0 45	18 11	1 39	11 34	0 28	18 26	0 13	16 56	6 20	21 27	21 17	25 33	7 35	1 0
M20	13 52	25 38	3 20	21 54	2 25	21 42	0 52	24 54	1 38	16 47	0 45	18 13	1 39	11 36	0 28	18 26	0 13	16 56	6 20	21 28	21 17	25 33	7 33	0 59
T 21	14 11	25 46	2 16	22 16	2 28	21 58	0 54	24 52	1 37	16 51	0 45	18 15	1 39	11 37	0 28	18 26	0 13	16 56	6 20	21 29	21 18	25 33	7 31	0 59
W22	14 30	24 6	1 4	22 37	2 31	22 14	0 57	24 49	1 37	16 55	0 45	18 17	1 39	11 38	0 28	18 26	0 13	16 56	6 20	21 29	21 19	25 34	7 29	0 59
T 23	14 49	20 57	0s11	22 55	2 32	22 29	0 59	24 46	1 36	16 59	0 45	18 19	1 39	11 39	0 28	18 25	0 13	16 56	6 20	21 29	21 19	25 34	7 27	0 58
F 24	15 7	16 41	1 23	23 10	2 32	22 44	1 2	24 43	1 36	17 3	0 45	18 20	1 39	11 40	0 28	18 25	0 13	16 55	6 20	21 29	21 20	25 35	7 25	0 58
S 25	15 25	11 41	2 28	23 23	2 32	22 57	1 4	24 40	1 36	17 7	0 44	18 22	1 39	11 42	0 28	18 25	0 13	16 55	6 20	21 29	21 20	25 35	7 23	0 58
S 26	15 43	6 16	3 25	23 34	2 30	23 11	1 7	24 36	1 35	17 10	0 44	18 24	1 39	11 43	0 28	18 25	0 13	16 55	6 20	21 30	21 21	25 36	7 21	0 57
M27	16 0	0 42	4 9	23 43	2 28	23 23	1 9	24 33	1 35	17 14	0 44	18 26	1 39	11 44	0 28	18 25	0 13	16 55	6 20	21 30	21 21	25 36	7 19	0 57
T 28	16 17	4s47	4 41	23 50	2 24	23 35	1 11	24 29	1 35	17 18	0 44	18 27	1 38	11 45	0 28	18 25	0 13	16 55	6 20	21 32	21 22	25 36	7 17	0 56
W29	16 34	10 0	4 58	23 55	2 20	23 47	1 14	24 25	1 34	17 22	0 44	18 29	1 38	11 46	0 28	18 25	0 13	16 55	6 20	21 33	21 23	25 37	7 16	0 56
T 30	16n51	14s45	5s 2	23n57	2n15	23n58	1n16	24n21	1n34	17n26	0s44	18n31	1s38	11n47	0s28	18n25	0n13	16s55	6n20	21s35	21s23	25s37	7s14	0s56

Julian Day Number = 2183189.5, Delta T = 11m20s
Ecliptic obliquity = 23°32'09, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'37, Lahiri = 13°36'38 Julian Calendar 1 Apr. 1265 == Greg. Calendar 8 Apr. 1265

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

MAY 1265 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 4 40	17♉30'17	8♏ 7	8♊47	16♊20	14♋32	21♉27	29♉35	2♉ 5	8♌32	21°R 1	22°R41	24♑ 0	10♐31	16°R 6	F 1
S 2	15 8 37	18°27'58	20° 8	9°26	17°32	15° 7	21°41	29°42	2° 8	8°33	20♐59	22♑30	23°57	10°38	16♎ 2	S 2
S 3	15 12 33	19°25'36	2♐ 4	10° 0	18°44	15°41	21°55	29°50	2°12	8°34	20°58	22°19	23°54	10°44	15°59	S 3
M 4	15 16 30	20°23'14	13°55	10°30	19°56	16°16	22° 9	29°58	2°15	8°34	20°57	22°11	23°51	10°51	15°56	M 4
T 5	15 20 27	21°20'51	25°43	10°55	21° 8	16°51	22°23	0♊ 6	2°18	8°35	20°56	22° 5	23°48	10°58	15°52	T 5
W 6	15 24 23	22°18'26	7♑33	11°15	22°20	17°27	22°37	0°14	2°22	8°36	20°54	22° 2	23°44	11° 4	15°49	W 6
T 7	15 28 20	23°16'00	19°26	11°30	23°32	18° 2	22°51	0°21	2°25	8°37	20°53	22°D 1	23°41	11°11	15°46	T 7
F 8	15 32 16	24°13'34	1♒27	11°41	24°44	18°37	23° 5	0°29	2°28	8°38	20°52	22° 1	23°38	11°18	15°43	F 8
S 9	15 36 13	25°11'06	13°42	11°47	25°56	19°12	23°19	0°37	2°31	8°38	20°50	22° 2	23°35	11°24	15°41	S 9
S 10	15 40 9	26° 8'38	26°14	11°R48	27° 8	19°47	23°33	0°45	2°35	8°39	20°49	22°R 3	23°32	11°31	15°38	S 10
M11	15 44 6	27° 6'08	9♓ 8	11°45	28°20	20°22	23°47	0°53	2°38	8°40	20°47	22° 2	23°29	11°38	15°35	M11
T 12	15 48 2	28° 3'38	22°29	11°37	29°31	20°58	24° 1	1° 0	2°41	8°41	20°46	21°59	23°25	11°44	15°32	T 12
W13	15 51 59	29° 1'07	6♈19	11°25	0♋43	21°33	24°15	1° 8	2°44	8°42	20°45	21°55	23°22	11°51	15°30	W13
T 14	15 55 56	29°58'35	20°38	11° 9	1°55	22° 8	24°29	1°16	2°48	8°43	20°43	21°48	23°19	11°58	15°28	T 14
F 15	15 59 52	0♊56'03	5♉22	10°50	3° 6	22°44	24°43	1°24	2°51	8°44	20°42	21°41	23°16	12° 5	15°25	F 15
S 16	16 3 49	1°53'29	20°26	10°27	4°18	23°19	24°57	1°32	2°54	8°45	20°40	21°33	23°13	12°11	15°23	S 16
S 17	16 7 45	2°50'55	5♊39	10° 1	5°29	23°55	25°11	1°40	2°57	8°46	20°39	21°27	23° 9	12°18	15°21	S 17
M18	16 11 42	3°48'20	20°52	9°32	6°40	24°30	25°25	1°47	3° 0	8°48	20°37	21°22	23° 6	12°25	15°19	M18
T 19	16 15 38	4°45'44	5♋55	9° 2	7°52	25° 6	25°39	1°55	3° 3	8°49	20°36	21°19	23° 3	12°31	15°17	T 19
W20	16 19 35	5°43'07	20°38	8°30	9° 3	25°42	25°53	2° 3	3° 6	8°50	20°35	21°D18	23° 0	12°38	15°15	W20
T 21	16 23 31	6°40'29	4♌59	7°57	10°14	26°17	26° 7	2°11	3° 9	8°51	20°33	21°18	22°57	12°45	15°13	T 21
F 22	16 27 28	7°37'50	18°53	7°23	11°25	26°53	26°21	2°19	3°12	8°52	20°32	21°20	22°54	12°51	15°12	F 22
S 23	16 31 25	8°35'10	2♍23	6°50	12°37	27°29	26°35	2°27	3°15	8°54	20°30	21°R21	22°50	12°58	15°10	S 23
S 24	16 35 21	9°32'28	15°30	6°17	13°48	28° 4	26°49	2°34	3°18	8°55	20°28	21°21	22°47	13° 5	15° 9	S 24
M25	16 39 18	10°29'46	28°17	5°45	14°59	28°40	27° 3	2°42	3°21	8°56	20°27	21°19	22°44	13°11	15° 7	M25
T 26	16 43 14	11°27'03	10♎47	5°16	16° 9	29°16	27°16	2°50	3°24	8°58	20°25	21°16	22°41	13°18	15° 6	T 26
W27	16 47 11	12°24'18	23° 4	4°48	17°20	29°52	27°30	2°58	3°27	8°59	20°24	21°11	22°38	13°25	15° 5	W27
T 28	16 51 7	13°21'33	5♏11	4°24	18°31	0♌28	27°44	3° 5	3°30	9° 0	20°22	21° 5	22°35	13°31	15° 4	T 28
F 29	16 55 4	14°18'48	17°10	4° 2	19°42	1° 4	27°58	3°13	3°33	9° 2	20°21	20°58	22°31	13°38	15° 3	F 29
S 30	16 59 0	15°16'01	29° 4	3°44	20°52	1°40	28°11	3°21	3°35	9° 3	20°19	20°52	22°28	13°45	15° 2	S 30
S 31	17 2 57	16♊13'15	10♐55	3♊30	22♋ 3	2♌16	28♉25	3♊29	3♉38	9♌ 5	20♐18	20♑46	22♑25	13♐51	15♎ 2	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17n 7	18s52	4s52	23n58	2n 8	24n 8	1n18	24n17	1n33	17n29	0s44	18n33	1s38	11n49	0s28	18n24	0n13	16s55	6n20	21s37	21s24	25s37	7s12	0s55
S 2	17 24	22 9	4 28	23 57	2 1	24 17	1 20	24 13	1 33	17 33	0 44	18 34	1 38	11 50	0 28	18 24	0 13	16 55	6 20	21 39	21 24	25 38	7 11	0 55
S 3	17 39	24 28	3 54	23 54	1 53	24 25	1 22	24 9	1 33	17 37	0 44	18 36	1 38	11 51	0 28	18 24	0 13	16 55	6 20	21 41	21 25	25 38	7 9	0 54
M 4	17 55	25 41	3 9	23 49	1 43	24 33	1 25	24 4	1 32	17 41	0 44	18 38	1 38	11 52	0 28	18 24	0 13	16 54	6 20	21 42	21 25	25 38	7 7	0 54
T 5	18 10	25 44	2 16	23 42	1 33	24 41	1 27	23 59	1 32	17 44	0 44	18 40	1 38	11 53	0 28	18 24	0 13	16 54	6 20	21 43	21 26	25 39	7 6	0 53
W 6	18 25	24 36	1 17	23 34	1 22	24 47	1 29	23 54	1 31	17 48	0 44	18 41	1 38	11 54	0 28	18 24	0 13	16 54	6 20	21 44	21 26	25 39	7 4	0 53
T 7	18 40	22 21	0 14	23 24	1 10	24 53	1 31	23 49	1 31	17 52	0 43	18 43	1 38	11 56	0 28	18 23	0 13	16 54	6 20	21 44	21 27	25 39	7 2	0 53
F 8	18 54	19 6	0n50	23 13	0 57	24 58	1 32	23 44	1 31	17 55	0 43	18 45	1 38	11 57	0 28	18 23	0 13	16 54	6 20	21 44	21 28	25 40	7 1	0 52
S 9	19 8	14 58	1 54	23 0	0 43	25 3	1 34	23 39	1 30	17 59	0 43	18 46	1 37	11 58	0 28	18 23	0 13	16 54	6 20	21 44	21 28	25 40	6 59	0 52
S 10	19 22	10 7	2 53	22 46	0 29	25 6	1 36	23 33	1 30	18 2	0 43	18 48	1 37	11 59	0 28	18 23	0 13	16 54	6 20	21 43	21 29	25 40	6 58	0 51
M11	19 35	4 42	3 45	22 30	0 13	25 9	1 38	23 28	1 30	18 6	0 43	18 50	1 37	12 0	0 28	18 22	0 13	16 54	6 20	21 44	21 29	25 40	6 57	0 51
T 12	19 48	1n 6	4 27	22 14	0s 3	25 12	1 40	23 22	1 29	18 9	0 43	18 51	1 37	12 1	0 28	18 22	0 13	16 54	6 20	21 44	21 30	25 41	6 55	0 51
W13	20 1	7 2	4 56	21 56	0 19	25 13	1 41	23 16	1 29	18 13	0 43	18 53	1 37	12 2	0 28	18 22	0 13	16 54	6 20	21 45	21 30	25 41	6 54	0 50
T 14	20 14	12 49	5 7	21 37	0 36	25 14	1 43	23 10	1 28	18 16	0 43	18 55	1 37	12 3	0 28	18 22	0 13	16 54	6 20	21 46	21 31	25 41	6 53	0 50
F 15	20 26	18 3	4 58	21 17	0 53	25 14	1 44	23 3	1 28	18 20	0 43	18 56	1 37	12 4	0 28	18 21	0 13	16 54	6 20	21 47	21 31	25 42	6 51	0 49
S 16	20 37	22 15	4 29	20 57	1 10	25 14	1 46	22 57	1 28	18 23	0 43	18 58	1 37	12 5	0 28	18 21	0 13	16 54	6 20	21 48	21 32	25 42	6 50	0 49
S 17	20 49	24 57	3 41	20 36	1 28	25 12	1 47	22 50	1 27	18 27	0 43	19 0	1 37	12 7	0 28	18 21	0 13	16 53	6 20	21 49	21 32	25 42	6 49	0 49
M18	21 0	25 50	2 37	20 15	1 45	25 10	1 48	22 44	1 27	18 30	0 43	19 1	1 37	12 8	0 28	18 21	0 13	16 53	6 20	21 50	21 33	25 42	6 48	0 48
T 19	21 10	24 46	1 22	19 53	2 2	25 7	1 49	22 37	1 26	18 34	0 43	19 3	1 37	12 9	0 28	18 20	0 13	16 53	6 20	21 50	21 33	25 42	6 46	0 48
W20	21 21	22 0	0 4	19 32	2 18	25 4	1 51	22 30	1 26	18 37	0 43	19 5	1 37	12 10	0 28	18 20	0 13	16 53	6 20	21 51	21 34	25 43	6 45	0 47
T 21	21 31	17 55	1s13	19 11	2 34	25 0	1 52	22 23	1 26	18 40	0 42	19 6	1 37	12 11	0 28	18 20	0 13	16 53	6 20	21 50	21 35	25 43	6 44	0 47
F 22	21 40	12 57	2 24	18 51	2 49	24 55	1 53	22 15	1 25	18 44	0 42	19 8	1 37	12 12	0 28	18 19	0 13	16 53	6 19	21 50	21 35	25 43	6 43	0 47
S 23	21 49	7 30	3 24	18 31	3 3	24 49	1 54	22 8	1 25	18 47	0 42	19 9	1 37	12 13	0 28	18 19	0 13	16 53	6 19	21 50	21 36	25 43	6 42	0 46
S 24	21 58	1 52	4 12	18 13	3 17	24 43	1 54	22 0	1 24	18 50	0 42	19 11	1 37	12 14	0 28	18 19	0 13	16 53	6 19	21 50	21 36	25 44	6 41	0 46
M25	22 7	3s41	4 46	17 55	3 29	24 36	1 55	21 53	1 24	18 53	0 42	19 12	1 36	12 15	0 28	18 18	0 13	16 53	6 19	21 50	21 37	25 44	6 41	0 45
T 26	22 15	8 57	5 5	17 40	3 40	24 28	1 56	21 45	1 24	18 57	0 42	19 14	1 36	12 16	0 28	18 18	0 13	16 53	6 19	21 51	21 37	25 44	6 40	0 45
W27	22 22	13 47	5 10	17 25	3 50	24 20	1 56	21 37	1 23	19 0	0 42	19 15	1 36	12 17	0 28	18 18	0 13	16 53	6 19	21 52	21 38	25 44	6 39	0 44
T 28	22 30	18 1	5 1	17 12	3 58	24 11	1 57	21 29	1 23	19 3	0 42	19 17	1 36	12 18	0 28	18 17	0 13	16 53	6 19	21 53	21 38	25 44	6 38	0 44
F 29	22 37	21 29	4 39	17 2	4 5	24 1	1 57	21 20	1 22	19 6	0 42	19 19	1 36	12 19	0 28	18 17	0 13	16 53	6 19	21 54	21 39	25 44	6 37	0 44
S 30	22 43	24 0	4 4	16 53	4 11	23 51	1 58	21 12	1 22	19 9	0 42	19 20	1 36	12 20	0 28	18 16	0 13	16 53	6 19	21 55	21 39	25 44	6 37	0 43
S 31	22n49	25s28	3s20	16n46	4s15	23n40	1n58	21n 3	1n22	19n12	0s42	19n22	1s36	12n20	0s28	18n16	0n13	16s53	6n19	21s55	21s40	25s45	6s36	0s43

Julian Day Number = 2183219.5, Delta T = 11m20s
Ecliptic obliquity = 23°32'08, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'41, Lahiri = 13°36'42 Julian Calendar 1 May 1265 == Greg. Calendar 8 May 1265

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

JUNE 1265 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 6 54	17♊10'27	22♐44	3°R20	23♋13	2♌52	28♉39	3♊36	3♉41	9♌ 6	20°R16	20°R42	22♑22	13♐58	15°R 1	M 1
T 2	17 10 50	18° 7'39	4♑35	3♊15	24°24	3°28	28°52	3°44	3°44	9° 8	20♐15	20♑39	22°19	14° 5	15♎ 1	T 2
W 3	17 14 47	19° 4'51	16°28	3°D14	25°34	4° 4	29° 6	3°52	3°46	9° 9	20°13	20°D38	22°15	14°11	15° 0	W 3
T 4	17 18 43	20° 2'03	28°26	3°17	26°44	4°40	29°20	3°59	3°49	9°11	20°12	20°38	22°12	14°18	15° 0	T 4
F 5	17 22 40	20°59'14	10♒33	3°26	27°55	5°16	29°33	4° 7	3°51	9°13	20°10	20°39	22° 9	14°25	15° 0	F 5
S 6	17 26 36	21°56'25	22°52	3°39	29° 5	5°53	29°47	4°15	3°54	9°14	20° 8	20°41	22° 6	14°31	15°D 0	S 6
S 7	17 30 33	22°53'37	5♓27	3°56	0♌15	6°29	0♊ 0	4°22	3°57	9°16	20° 7	20°42	22° 3	14°38	15° 0	S 7
M 8	17 34 29	23°50'48	18°22	4°19	1°25	7° 5	0°13	4°30	3°59	9°17	20° 5	20°R43	22° 0	14°45	15° 0	M 8
T 9	17 38 26	24°47'59	1♈39	4°46	2°34	7°41	0°27	4°37	4° 2	9°19	20° 4	20°43	21°56	14°51	15° 1	T 9
W10	17 42 23	25°45'10	15°22	5°18	3°44	8°18	0°40	4°45	4° 4	9°21	20° 2	20°42	21°53	14°58	15° 1	W10
T 11	17 46 19	26°42'21	29°30	5°54	4°54	8°54	0°53	4°52	4° 6	9°23	20° 1	20°40	21°50	15° 5	15° 2	T 11
F 12	17 50 16	27°39'33	14♉ 4	6°35	6° 4	9°31	1° 7	5° 0	4° 9	9°24	19°59	20°37	21°47	15°11	15° 2	F 12
S 13	17 54 12	28°36'45	28°57	7°21	7°13	10° 7	1°20	5° 7	4°11	9°26	19°58	20°34	21°44	15°18	15° 3	S 13
S 14	17 58 9	29°33'57	14♊ 4	8°11	8°23	10°43	1°33	5°15	4°14	9°28	19°56	20°32	21°41	15°25	15° 4	S 14
M15	18 2 5	0♋31'09	29°14	9° 6	9°32	11°20	1°46	5°22	4°16	9°30	19°55	20°30	21°37	15°31	15° 5	M15
T 16	18 6 2	1°28'21	14♋19	10° 5	10°41	11°57	1°59	5°29	4°18	9°32	19°53	20°D29	21°34	15°38	15° 6	T 16
W17	18 9 59	2°25'33	29°10	11° 8	11°50	12°33	2°12	5°37	4°20	9°33	19°52	20°29	21°31	15°45	15° 7	W17
T 18	18 13 55	3°22'45	13♌39	12°16	12°59	13°10	2°25	5°44	4°22	9°35	19°50	20°30	21°28	15°52	15° 8	T 18
F 19	18 17 52	4°19'57	27°43	13°28	14° 8	13°47	2°38	5°51	4°24	9°37	19°49	20°31	21°25	15°58	15°10	F 19
S 20	18 21 48	5°17'08	11♍21	14°43	15°17	14°23	2°51	5°58	4°27	9°39	19°47	20°32	21°21	16° 5	15°11	S 20
S 21	18 25 45	6°14'19	24°33	16° 3	16°26	15° 0	3° 4	6° 6	4°29	9°41	19°46	20°33	21°18	16°12	15°13	S 21
M22	18 29 41	7°11'31	7♎22	17°27	17°35	15°37	3°17	6°13	4°31	9°43	19°44	20°R33	21°15	16°18	15°15	M22
T 23	18 33 38	8° 8'42	19°52	18°55	18°43	16°14	3°29	6°20	4°33	9°45	19°43	20°33	21°12	16°25	15°16	T 23
W24	18 37 34	9° 5'53	2♏ 6	20°27	19°52	16°50	3°42	6°27	4°34	9°47	19°41	20°32	21° 9	16°32	15°18	W24
T 25	18 41 31	10° 3'05	14° 8	22° 3	21° 0	17°27	3°55	6°34	4°36	9°49	19°40	20°31	21° 6	16°38	15°20	T 25
F 26	18 45 28	11° 0'16	26° 3	23°42	22° 8	18° 4	4° 7	6°41	4°38	9°51	19°38	20°30	21° 2	16°45	15°23	F 26
S 27	18 49 24	11°57'28	7♐53	25°25	23°16	18°41	4°20	6°48	4°40	9°53	19°37	20°28	20°59	16°52	15°25	S 27
S 28	18 53 21	12°54'40	19°42	27°11	24°24	19°18	4°32	6°55	4°42	9°55	19°36	20°27	20°56	16°58	15°27	S 28
M29	18 57 17	13°51'52	1♑33	29° 0	25°32	19°55	4°44	7° 1	4°43	9°57	19°34	20°27	20°53	17° 5	15°30	M29
T 30	19 1 14	14♋49'05	13♑28	0♋53	26♌40	20♌32	4♊57	7♊ 8	4♉45	9♌59	19♐33	20♑26	20♑50	17♐12	15♎32	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	22n55	25s46	2s26	16n41	4s18	23n28	1n58	20n55	1n21	19n15	0s42	19n23	1s36	12n21	0s28	18n16	0n13	16s53	6n19	21s56	21s40	25s45	6s36	0s42	M 1
T 2	23 0	24 54	1 27	16 39	4 20	23 16	1 58	20 46	1 21	19 19	0 42	19 24	1 36	12 22	0 28	18 15	0 13	16 53	6 19	21 56	21 41	25 45	6 35	0 42	T 2
W 3	23 5	22 54	0 23	16 38	4 20	23 3	1 58	20 37	1 20	19 22	0 42	19 26	1 36	12 23	0 28	18 15	0 13	16 53	6 19	21 57	21 41	25 45	6 34	0 42	W 3
T 4	23 10	19 52	0n43	16 39	4 19	22 49	1 58	20 28	1 20	19 25	0 42	19 27	1 36	12 24	0 28	18 14	0 13	16 53	6 18	21 57	21 42	25 45	6 34	0 41	T 4
F 5	23 14	15 57	1 47	16 43	4 17	22 35	1 58	20 19	1 19	19 27	0 42	19 29	1 36	12 25	0 28	18 14	0 13	16 53	6 18	21 56	21 42	25 45	6 34	0 41	F 5
S 6	23 17	11 18	2 48	16 48	4 14	22 21	1 58	20 9	1 19	19 30	0 42	19 30	1 36	12 26	0 28	18 14	0 13	16 53	6 18	21 56	21 43	25 45	6 33	0 40	S 6
S 7	23 21	6 7	3 42	16 56	4 10	22 5	1 57	20 0	1 19	19 33	0 42	19 32	1 36	12 27	0 28	18 13	0 13	16 53	6 18	21 56	21 43	25 45	6 33	0 40	S 7
M 8	23 24	0 33	4 26	17 5	4 5	21 49	1 57	19 50	1 18	19 36	0 42	19 33	1 36	12 28	0 28	18 13	0 13	16 53	6 18	21 56	21 44	25 45	6 33	0 40	M 8
T 9	23 26	5n12	4 57	17 16	3 59	21 33	1 56	19 40	1 18	19 39	0 41	19 34	1 36	12 28	0 28	18 12	0 13	16 53	6 18	21 56	21 44	25 46	6 32	0 39	T 9
W10	23 28	10 53	5 13	17 28	3 52	21 16	1 56	19 31	1 17	19 42	0 41	19 36	1 36	12 29	0 28	18 12	0 13	16 53	6 18	21 56	21 45	25 46	6 32	0 39	W10
T 11	23 30	16 11	5 11	17 42	3 44	20 58	1 55	19 21	1 17	19 45	0 41	19 37	1 36	12 30	0 28	18 11	0 13	16 53	6 18	21 56	21 45	25 46	6 32	0 38	T 11
F 12	23 31	20 43	4 49	17 57	3 35	20 40	1 54	19 10	1 17	19 47	0 41	19 38	1 36	12 31	0 28	18 11	0 13	16 53	6 18	21 57	21 46	25 46	6 32	0 38	F 12
S 13	23 32	24 1	4 7	18 14	3 26	20 22	1 53	19 0	1 16	19 50	0 41	19 40	1 36	12 32	0 28	18 10	0 13	16 53	6 17	21 57	21 46	25 46	6 32	0 38	S 13
S 14	23 32	25 41	3 8	18 32	3 16	20 3	1 52	18 50	1 16	19 53	0 41	19 41	1 36	12 32	0 28	18 10	0 13	16 53	6 17	21 58	21 47	25 46	6 32	0 37	S 14
M15	23 32	25 27	1 55	18 50	3 6	19 43	1 51	18 39	1 15	19 56	0 41	19 42	1 36	12 33	0 28	18 9	0 13	16 53	6 17	21 58	21 47	25 46	6 32	0 37	M15
T 16	23 32	23 20	0 34	19 10	2 55	19 23	1 49	18 29	1 15	19 58	0 41	19 44	1 36	12 34	0 28	18 9	0 13	16 53	6 17	21 58	21 48	25 46	6 32	0 36	T 16
W17	23 31	19 38	0s48	19 30	2 44	19 2	1 48	18 18	1 14	20 1	0 41	19 45	1 36	12 35	0 28	18 9	0 13	16 53	6 17	21 58	21 48	25 46	6 32	0 36	W17
T 18	23 30	14 48	2 5	19 50	2 32	18 41	1 47	18 7	1 14	20 3	0 41	19 46	1 36	12 35	0 28	18 8	0 13	16 53	6 17	21 58	21 49	25 46	6 32	0 36	T 18
F 19	23 28	9 19	3 12	20 11	2 20	18 20	1 45	17 56	1 14	20 6	0 41	19 48	1 36	12 36	0 28	18 8	0 13	16 53	6 17	21 58	21 49	25 46	6 32	0 35	F 19
S 20	23 26	3 33	4 6	20 33	2 8	17 58	1 43	17 45	1 13	20 8	0 41	19 49	1 36	12 37	0 28	18 7	0 13	16 53	6 16	21 58	21 50	25 46	6 33	0 35	S 20
S 21	23 23	2s11	4 45	20 54	1 55	17 35	1 42	17 34	1 13	20 11	0 41	19 50	1 36	12 37	0 28	18 7	0 13	16 53	6 16	21 57	21 50	25 46	6 33	0 35	S 21
M22	23 20	7 39	5 8	21 15	1 42	17 13	1 40	17 22	1 12	20 13	0 41	19 51	1 36	12 38	0 28	18 6	0 13	16 53	6 16	21 57	21 51	25 46	6 33	0 34	M22
T 23	23 17	12 40	5 17	21 35	1 29	16 49	1 38	17 11	1 12	20 16	0 41	19 52	1 36	12 39	0 28	18 5	0 13	16 53	6 16	21 57	21 51	25 46	6 33	0 34	T 23
W24	23 13	17 6	5 10	21 55	1 16	16 26	1 36	16 59	1 11	20 18	0 41	19 54	1 36	12 39	0 28	18 5	0 13	16 53	6 16	21 58	21 52	25 46	6 34	0 33	W24
T 25	23 9	20 45	4 50	22 15	1 3	16 2	1 34	16 47	1 11	20 21	0 41	19 55	1 36	12 40	0 28	18 4	0 13	16 53	6 16	21 58	21 52	25 46	6 34	0 33	T 25
F 26	23 5	23 31	4 18	22 33	0 50	15 38	1 31	16 36	1 11	20 23	0 41	19 56	1 36	12 41	0 28	18 4	0 13	16 53	6 15	21 58	21 53	25 46	6 35	0 33	F 26
S 27	23 0	25 15	3 35	22 50	0 37	15 13	1 29	16 24	1 10	20 25	0 41	19 57	1 36	12 41	0 28	18 3	0 13	16 54	6 15	21 58	21 53	25 46	6 35	0 32	S 27
S 28	22 54	25 50	2 42	23 6	0 25	14 48	1 26	16 12	1 10	20 28	0 41	19 58	1 36	12 42	0 28	18 3	0 13	16 54	6 15	21 58	21 54	25 46	6 36	0 32	S 28
M29	22 49	25 14	1 43	23 20	0 12	14 23	1 24	16 0	1 9	20 30	0 41	19 59	1 36	12 42	0 28	18 2	0 13	16 54	6 15	21 58	21 54	25 46	6 37	0 32	M29
T 30	22n42	23s29	0s39	23n32	0s 0	13n57	1n21	15n47	1n 9	20n32	0s41	20n 0	1s36	12n43	0s28	18n 2	0n13	16s54	6n15	21s58	21s55	25s45	6s37	0s31	T 30

Julian Day Number = 2183250.5, Delta T = 11m20s
Ecliptic obliquity = 23°32'08, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'46, Lahiri = 13°36'46 Julian Calendar 1 June 1265 == Greg. Calendar 8 June 1265

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

JULY 1265 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 5 10	15♋46'18	25♑29	2♋48	27♌47	21♌ 9	5♊ 9	7♊15	4♉47	10♌ 1	19°R31	20°D26	20♑47	17♐18	15♎35	W 1
T 2	19 9 7	16°43'32	7♒38	4°46	28°55	21°46	5°21	7°22	4°48	10° 3	19♐30	20♑26	20°43	17°25	15°38	T 2
F 3	19 13 3	17°40'46	19°58	6°46	0♍ 2	22°23	5°33	7°28	4°50	10° 5	19°29	20°27	20°40	17°32	15°41	F 3
S 4	19 17 0	18°38'01	2♓29	8°47	1° 9	23° 1	5°45	7°35	4°51	10° 7	19°27	20°27	20°37	17°38	15°44	S 4
S 5	19 20 57	19°35'17	15°14	10°51	2°16	23°38	5°57	7°41	4°53	10° 9	19°26	20°27	20°34	17°45	15°47	S 5
M 6	19 24 53	20°32'34	28°15	12°56	3°23	24°15	6° 9	7°48	4°54	10°11	19°25	20°R27	20°31	17°52	15°50	M 6
T 7	19 28 50	21°29'52	11♈35	15° 1	4°30	24°52	6°20	7°54	4°56	10°13	19°24	20°27	20°27	17°58	15°53	T 7
W 8	19 32 46	22°27'10	25°14	17° 8	5°36	25°30	6°32	8° 1	4°57	10°16	19°22	20°D27	20°24	18° 5	15°57	W 8
T 9	19 36 43	23°24'30	9♉13	19°14	6°43	26° 7	6°44	8° 7	4°58	10°18	19°21	20°27	20°21	18°12	16° 0	T 9
F 10	19 40 39	24°21'51	23°32	21°21	7°49	26°44	6°55	8°13	4°59	10°20	19°20	20°27	20°18	18°18	16° 4	F 10
S 11	19 44 36	25°19'13	8♊ 7	23°27	8°55	27°22	7° 7	8°19	5° 0	10°22	19°19	20°28	20°15	18°25	16° 7	S 11
S 12	19 48 32	26°16'36	22°54	25°33	10° 1	27°59	7°18	8°26	5° 2	10°24	19°18	20°28	20°12	18°32	16°11	S 12
M13	19 52 29	27°14'00	7♋48	27°39	11° 7	28°37	7°29	8°32	5° 3	10°26	19°16	20°29	20° 8	18°38	16°15	M13
T 14	19 56 26	28°11'25	22°41	29°43	12°12	29°14	7°41	8°38	5° 4	10°29	19°15	20°R29	20° 5	18°45	16°19	T 14
W15	20 0 22	29° 8'51	7♌24	1♌47	13°18	29°52	7°52	8°44	5° 5	10°31	19°14	20°29	20° 2	18°52	16°23	W15
T 16	20 4 19	0♌ 6'18	21°52	3°49	14°23	0♍30	8° 3	8°50	5° 6	10°33	19°13	20°28	19°59	18°58	16°27	T 16
F 17	20 8 15	1° 3'46	5♍59	5°50	15°28	1° 7	8°14	8°55	5° 6	10°35	19°12	20°27	19°56	19° 5	16°31	F 17
S 18	20 12 12	2° 1'15	19°41	7°50	16°33	1°45	8°24	9° 1	5° 7	10°37	19°11	20°25	19°53	19°12	16°36	S 18
S 19	20 16 8	2°58'44	2♎58	9°48	17°37	2°23	8°35	9° 7	5° 8	10°40	19°10	20°24	19°49	19°18	16°40	S 19
M20	20 20 5	3°56'14	15°51	11°45	18°42	3° 0	8°46	9°13	5° 9	10°42	19° 9	20°23	19°46	19°25	16°45	M20
T 21	20 24 1	4°53'45	28°23	13°41	19°46	3°38	8°56	9°18	5°10	10°44	19° 8	20°22	19°43	19°32	16°49	T 21
W22	20 27 58	5°51'17	10♏37	15°35	20°50	4°16	9° 7	9°24	5°10	10°46	19° 7	20°D22	19°40	19°38	16°54	W22
T 23	20 31 55	6°48'50	22°39	17°27	21°54	4°54	9°17	9°29	5°11	10°48	19° 6	20°23	19°37	19°45	16°59	T 23
F 24	20 35 51	7°46'24	4♐32	19°18	22°57	5°32	9°27	9°34	5°11	10°51	19° 5	20°24	19°33	19°52	17° 4	F 24
S 25	20 39 48	8°43'58	16°22	21° 8	24° 1	6°10	9°38	9°40	5°12	10°53	19° 4	20°25	19°30	19°58	17° 9	S 25
S 26	20 43 44	9°41'34	28°12	22°56	25° 4	6°48	9°48	9°45	5°12	10°55	19° 4	20°27	19°27	20° 5	17°14	S 26
M27	20 47 41	10°39'11	10♑ 6	24°42	26° 7	7°26	9°57	9°50	5°13	10°57	19° 3	20°28	19°24	20°12	17°19	M27
T 28	20 51 37	11°36'49	22° 8	26°27	27° 9	8° 4	10° 7	9°55	5°13	11° 0	19° 2	20°R28	19°21	20°18	17°24	T 28
W29	20 55 34	12°34'28	4♒20	28°11	28°11	8°42	10°17	10° 0	5°13	11° 2	19° 1	20°27	19°18	20°25	17°29	W29
T 30	20 59 30	13°32'09	16°43	29°53	29°13	9°20	10°27	10° 5	5°13	11° 4	19° 0	20°26	19°14	20°32	17°35	T 30
F 31	21 3 27	14♌29'51	29♒20	1♍33	0♎15	9♍58	10♊36	10♊10	5♉14	11♌ 6	19♐ 0	20♑23	19♑11	20♐38	17♎40	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n36	20s40	0n28	23n42	0n11	13n31	1n18	15n35	1n 8	20n34	0s41	20n 1	1s36	12n43	0s28	18n 1	0n13	16s54	6n14	21s58	21s55	25s45	6s38	0s31
T 2	22 29	16 55	1 34	23 49	0 22	13 5	1 15	15 23	1 8	20 37	0 41	20 2	1 36	12 44	0 28	18 1	0 13	16 54	6 14	21 58	21 56	25 45	6 39	0 30
F 3	22 22	12 24	2 37	23 55	0 33	12 38	1 12	15 10	1 8	20 39	0 41	20 3	1 36	12 44	0 28	18 0	0 13	16 54	6 14	21 58	21 56	25 45	6 39	0 30
S 4	22 14	7 19	3 33	23 58	0 43	12 11	1 9	14 57	1 7	20 41	0 41	20 5	1 36	12 45	0 28	18 0	0 13	16 54	6 14	21 58	21 57	25 45	6 40	0 30
S 5	22 6	1 51	4 20	23 58	0 53	11 44	1 6	14 45	1 7	20 43	0 41	20 6	1 37	12 45	0 28	17 59	0 13	16 54	6 14	21 58	21 57	25 45	6 41	0 29
M 6	21 57	3n48	4 54	23 55	1 1	11 17	1 3	14 32	1 6	20 45	0 41	20 7	1 37	12 46	0 28	17 58	0 13	16 54	6 13	21 58	21 58	25 45	6 42	0 29
T 7	21 49	9 24	5 14	23 50	1 9	10 49	0 59	14 19	1 6	20 47	0 41	20 8	1 37	12 46	0 28	17 58	0 13	16 55	6 13	21 58	21 58	25 45	6 43	0 29
W 8	21 39	14 42	5 16	23 42	1 17	10 22	0 56	14 6	1 5	20 49	0 41	20 9	1 37	12 47	0 28	17 57	0 13	16 55	6 13	21 58	21 59	25 45	6 44	0 28
T 9	21 30	19 22	5 1	23 31	1 23	9 54	0 52	13 53	1 5	20 51	0 41	20 9	1 37	12 47	0 28	17 57	0 13	16 55	6 13	21 58	21 59	25 44	6 45	0 28
F 10	21 20	23 1	4 26	23 18	1 29	9 25	0 49	13 40	1 4	20 53	0 41	20 10	1 37	12 47	0 28	17 56	0 13	16 55	6 13	21 58	22 0	25 44	6 46	0 28
S 11	21 10	25 16	3 34	23 2	1 34	8 57	0 45	13 26	1 4	20 55	0 41	20 11	1 37	12 48	0 28	17 56	0 13	16 55	6 12	21 58	22 0	25 44	6 47	0 27
S 12	20 59	25 48	2 27	22 43	1 38	8 28	0 41	13 13	1 4	20 57	0 41	20 12	1 37	12 48	0 28	17 55	0 13	16 55	6 12	21 58	22 1	25 44	6 48	0 27
M13	20 48	24 28	1 10	22 22	1 41	8 0	0 37	12 59	1 3	20 59	0 41	20 13	1 37	12 49	0 28	17 54	0 13	16 55	6 12	21 58	22 1	25 44	6 49	0 27
T 14	20 36	21 25	0s12	21 59	1 44	7 31	0 33	12 46	1 3	21 0	0 41	20 14	1 37	12 49	0 28	17 54	0 13	16 55	6 12	21 58	22 2	25 44	6 51	0 26
W15	20 25	17 0	1 33	21 33	1 45	7 2	0 28	12 32	1 2	21 2	0 41	20 15	1 37	12 49	0 28	17 53	0 13	16 56	6 11	21 58	22 2	25 44	6 52	0 26
T 16	20 13	11 40	2 45	21 6	1 47	6 33	0 24	12 18	1 2	21 4	0 41	20 16	1 37	12 49	0 29	17 53	0 13	16 56	6 11	21 58	22 2	25 43	6 53	0 25
F 17	20 0	5 51	3 46	20 37	1 47	6 3	0 20	12 4	1 1	21 6	0 41	20 17	1 37	12 50	0 29	17 52	0 13	16 56	6 11	21 58	22 3	25 43	6 54	0 25
S 18	19 47	0s 4	4 32	20 6	1 47	5 34	0 15	11 50	1 1	21 8	0 41	20 17	1 37	12 50	0 29	17 51	0 13	16 56	6 11	21 59	22 3	25 43	6 56	0 25
S 19	19 34	5 48	5 2	19 34	1 46	5 4	0 11	11 36	1 0	21 9	0 41	20 18	1 37	12 50	0 29	17 51	0 13	16 56	6 10	21 59	22 4	25 43	6 57	0 24
M20	19 21	11 6	5 16	19 0	1 45	4 35	0 6	11 22	1 0	21 11	0 41	20 19	1 37	12 50	0 29	17 50	0 13	16 56	6 10	21 59	22 4	25 43	6 59	0 24
T 21	19 7	15 49	5 13	18 25	1 42	4 5	0 1	11 8	0 59	21 12	0 41	20 20	1 37	12 51	0 29	17 50	0 13	16 57	6 10	21 59	22 5	25 42	7 0	0 24
W22	18 53	19 46	4 57	17 49	1 40	3 35	0s 4	10 54	0 59	21 14	0 41	20 20	1 38	12 51	0 29	17 49	0 13	16 57	6 10	21 59	22 5	25 42	7 2	0 23
T 23	18 39	22 49	4 28	17 12	1 37	3 6	0 9	10 40	0 59	21 16	0 41	20 21	1 38	12 51	0 29	17 48	0 13	16 57	6 9	21 59	22 6	25 42	7 3	0 23
F 24	18 24	24 51	3 47	16 34	1 33	2 36	0 14	10 25	0 58	21 17	0 41	20 22	1 38	12 51	0 29	17 48	0 13	16 57	6 9	21 59	22 6	25 42	7 5	0 23
S 25	18 9	25 47	2 57	15 55	1 29	2 6	0 19	10 11	0 58	21 19	0 41	20 23	1 38	12 51	0 29	17 47	0 13	16 57	6 9	21 59	22 7	25 41	7 6	0 22
S 26	17 54	25 31	2 0	15 16	1 25	1 36	0 24	9 56	0 57	21 20	0 41	20 23	1 38	12 51	0 29	17 47	0 13	16 57	6 9	21 58	22 7	25 41	7 8	0 22
M27	17 38	24 6	0 57	14 36	1 20	1 6	0 29	9 42	0 57	21 22	0 41	20 24	1 38	12 52	0 29	17 46	0 13	16 58	6 8	21 58	22 8	25 41	7 10	0 22
T 28	17 22	21 34	0n 9	13 55	1 15	0 36	0 35	9 27	0 56	21 23	0 41	20 25	1 38	12 52	0 29	17 45	0 13	16 58	6 8	21 58	22 8	25 41	7 11	0 21
W29	17 6	18 2	1 16	13 14	1 9	0 6	0 40	9 12	0 56	21 24	0 41	20 25	1 38	12 52	0 29	17 45	0 14	16 58	6 8	21 58	22 8	25 40	7 13	0 21
T 30	16 50	13 40	2 20	12 33	1 3	0s23	0 46	8 57	0 55	21 26	0 41	20 26	1 38	12 52	0 29	17 44	0 14	16 58	6 8	21 59	22 9	25 40	7 15	0 21
F 31	16n33	8s40	3n18	11n51	0n57	0s53	0s51	8n42	0n55	21n27	0s41	20n27	1s38	12n52	0s29	17n44	0n14	16s58	6n 7	21s59	22s 9	25s40	7s16	0s20

Julian Day Number = 2183280.5, Delta T = 11m20s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'50, Lahiri = 13°36'50 Julian Calendar 1 July 1265 == Greg. Calendar 8 July 1265

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

AUGUST 1265 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 7 24	15♌27'34	12♓10	3♍13	1♎17	10♍36	10♊45	10♊14	5♉14	11♌ 8	18°R59	20°R19	19♑ 8	20♐45	17♎46	S 1
S 2	21 11 20	16°25'19	25°14	4°51	2°18	11°14	10°55	10°19	5°14	11°11	18♐58	20♑15	19° 5	20°52	17°51	S 2
M 3	21 15 17	17°23'05	8♈32	6°27	3°18	11°53	11° 4	10°24	5°R14	11°13	18°58	20°11	19° 2	20°58	17°57	M 3
T 4	21 19 13	18°20'53	22° 3	8° 2	4°19	12°31	11°13	10°28	5°14	11°15	18°57	20° 8	18°58	21° 5	18° 3	T 4
W 5	21 23 10	19°18'43	5♉47	9°36	5°19	13° 9	11°22	10°33	5°14	11°17	18°57	20° 6	18°55	21°12	18° 8	W 5
T 6	21 27 6	20°16'35	19°43	11° 8	6°19	13°48	11°30	10°37	5°14	11°20	18°56	20°D 6	18°52	21°18	18°14	T 6
F 7	21 31 3	21°14'28	3♊51	12°39	7°18	14°26	11°39	10°41	5°14	11°22	18°55	20° 6	18°49	21°25	18°20	F 7
S 8	21 34 59	22°12'24	18° 8	14° 8	8°18	15° 5	11°48	10°45	5°13	11°24	18°55	20° 7	18°46	21°32	18°26	S 8
S 9	21 38 56	23°10'21	2♋33	15°36	9°16	15°43	11°56	10°49	5°13	11°26	18°55	20° 9	18°43	21°38	18°32	S 9
M10	21 42 53	24° 8'20	17° 3	17° 3	10°15	16°22	12° 4	10°53	5°13	11°28	18°54	20°R10	18°39	21°45	18°39	M10
T 11	21 46 49	25° 6'22	1♌32	18°28	11°13	17° 0	12°12	10°57	5°12	11°30	18°54	20° 9	18°36	21°52	18°45	T 11
W12	21 50 46	26° 4'24	15°56	19°52	12°10	17°39	12°20	11° 1	5°12	11°33	18°53	20° 7	18°33	21°58	18°51	W12
T 13	21 54 42	27° 2'29	0♍10	21°14	13° 7	18°18	12°28	11° 5	5°12	11°35	18°53	20° 3	18°30	22° 5	18°58	T 13
F 14	21 58 39	28° 0'35	14° 7	22°34	14° 4	18°56	12°36	11° 8	5°11	11°37	18°53	19°58	18°27	22°11	19° 4	F 14
S 15	22 2 35	28°58'42	27°45	23°53	15° 0	19°35	12°43	11°12	5°11	11°39	18°52	19°52	18°24	22°18	19°11	S 15
S 16	22 6 32	29°56'52	11♎ 1	25°11	15°56	20°14	12°51	11°15	5°10	11°41	18°52	19°45	18°20	22°25	19°17	S 16
M17	22 10 28	0♍55'02	23°54	26°27	16°52	20°53	12°58	11°19	5° 9	11°43	18°52	19°39	18°17	22°31	19°24	M17
T 18	22 14 25	1°53'15	6♏27	27°41	17°46	21°32	13° 5	11°22	5° 9	11°46	18°52	19°35	18°14	22°38	19°31	T 18
W19	22 18 22	2°51'29	18°42	28°53	18°41	22°11	13°12	11°25	5° 8	11°48	18°52	19°32	18°11	22°45	19°37	W19
T 20	22 22 18	3°49'44	0♐44	0♎ 4	19°34	22°50	13°19	11°28	5° 7	11°50	18°51	19°D30	18° 8	22°51	19°44	T 20
F 21	22 26 15	4°48'01	12°37	1°12	20°28	23°29	13°26	11°31	5° 6	11°52	18°51	19°31	18° 4	22°58	19°51	F 21
S 22	22 30 11	5°46'20	24°26	2°18	21°20	24° 8	13°32	11°34	5° 5	11°54	18°51	19°32	18° 1	23° 5	19°58	S 22
S 23	22 34 8	6°44'40	6♑17	3°23	22°12	24°47	13°39	11°37	5° 4	11°56	18°51	19°33	17°58	23°11	20° 5	S 23
M24	22 38 4	7°43'02	18°15	4°24	23° 3	25°26	13°45	11°39	5° 3	11°58	18°D51	19°R34	17°55	23°18	20°12	M24
T 25	22 42 1	8°41'25	0♒22	5°24	23°54	26° 5	13°51	11°42	5° 2	12° 0	18°51	19°33	17°52	23°25	20°19	T 25
W26	22 45 57	9°39'51	12°44	6°20	24°44	26°44	13°57	11°44	5° 1	12° 2	18°51	19°31	17°49	23°31	20°26	W26
T 27	22 49 54	10°38'18	25°23	7°14	25°33	27°24	14° 3	11°47	5° 0	12° 4	18°51	19°26	17°45	23°38	20°34	T 27
F 28	22 53 51	11°36'46	8♓19	8° 5	26°22	28° 3	14° 8	11°49	4°59	12° 6	18°52	19°19	17°42	23°45	20°41	F 28
S 29	22 57 47	12°35'17	21°32	8°53	27°10	28°42	14°13	11°51	4°58	12° 8	18°52	19°11	17°39	23°51	20°48	S 29
S 30	23 1 44	13°33'50	5♈ 1	9°37	27°57	29°22	14°19	11°53	4°57	12°10	18°52	19° 1	17°36	23°58	20°56	S 30
M31	23 5 40	14♍32'24	18♈43	10♎17	28♎43	0♎ 1	14♊24	11♊55	4♉55	12♌12	18♐52	18♑52	17♑33	24♐ 5	21♎ 3	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n16	3s13	4n 7	11n 9	0n51	1s23	0s57	8n27	0n54	21n29	0s41	20n27	1s38	12n52	0s29	17n43	0n14	16s59	6n 7	21s59	22s10	25s39	7s18	0s20
S 2	15 59	2n27	4 44	10 27	0 44	1 53	1 3	8 12	0 54	21 30	0 41	20 28	1 38	12 52	0 29	17 42	0 14	16 59	6 7	22 0	22 10	25 39	7 20	0 20
M 3	15 41	8 6	5 7	9 45	0 37	2 22	1 9	7 57	0 53	21 31	0 41	20 28	1 38	12 52	0 29	17 42	0 14	16 59	6 7	22 1	22 11	25 39	7 22	0 19
T 4	15 23	13 27	5 13	9 3	0 30	2 52	1 15	7 42	0 53	21 32	0 41	20 29	1 39	12 52	0 29	17 41	0 14	16 59	6 6	22 1	22 11	25 38	7 24	0 19
W 5	15 5	18 14	5 2	8 21	0 22	3 21	1 21	7 27	0 52	21 34	0 41	20 29	1 39	12 52	0 29	17 41	0 14	17 0	6 6	22 1	22 12	25 38	7 26	0 19
T 6	14 47	22 6	4 33	7 39	0 14	3 51	1 27	7 12	0 52	21 35	0 41	20 30	1 39	12 52	0 29	17 40	0 14	17 0	6 6	22 1	22 12	25 38	7 28	0 18
F 7	14 29	24 43	3 47	6 56	0 6	4 20	1 33	6 56	0 51	21 36	0 41	20 30	1 39	12 52	0 29	17 39	0 14	17 0	6 5	22 1	22 13	25 37	7 30	0 18
S 8	14 10	25 46	2 46	6 15	0s 2	4 49	1 39	6 41	0 51	21 37	0 41	20 31	1 39	12 52	0 29	17 39	0 14	17 0	6 5	22 1	22 13	25 37	7 32	0 18
S 9	13 51	25 5	1 35	5 33	0 10	5 18	1 46	6 26	0 50	21 38	0 41	20 31	1 39	12 52	0 29	17 38	0 14	17 1	6 5	22 1	22 13	25 37	7 34	0 18
M10	13 32	22 43	0 17	4 52	0 18	5 47	1 52	6 10	0 50	21 39	0 41	20 32	1 39	12 51	0 29	17 38	0 14	17 1	6 5	22 1	22 14	25 36	7 36	0 17
T 11	13 12	18 54	1s 2	4 10	0 26	6 16	1 58	5 55	0 50	21 40	0 41	20 32	1 39	12 51	0 29	17 37	0 14	17 1	6 4	22 1	22 14	25 36	7 38	0 17
W12	12 53	13 58	2 16	3 30	0 35	6 45	2 5	5 39	0 49	21 41	0 41	20 33	1 39	12 51	0 29	17 37	0 14	17 1	6 4	22 1	22 15	25 36	7 40	0 17
T 13	12 33	8 20	3 21	2 49	0 44	7 13	2 11	5 23	0 49	21 42	0 41	20 33	1 39	12 51	0 29	17 36	0 14	17 2	6 4	22 2	22 15	25 35	7 42	0 16
F 14	12 13	2 24	4 12	2 9	0 52	7 41	2 18	5 8	0 48	21 43	0 41	20 34	1 40	12 51	0 29	17 35	0 14	17 2	6 3	22 3	22 16	25 35	7 45	0 16
S 15	11 53	3s30	4 47	1 30	1 1	8 9	2 25	4 52	0 48	21 44	0 41	20 34	1 40	12 51	0 29	17 35	0 14	17 2	6 3	22 4	22 16	25 34	7 47	0 16
S 16	11 32	9 4	5 6	0 51	1 10	8 37	2 31	4 36	0 47	21 45	0 41	20 34	1 40	12 50	0 29	17 34	0 14	17 2	6 3	22 5	22 16	25 34	7 49	0 15
M17	11 12	14 5	5 9	0 13	1 19	9 5	2 38	4 20	0 47	21 46	0 41	20 35	1 40	12 50	0 29	17 34	0 14	17 3	6 3	22 5	22 17	25 34	7 51	0 15
T 18	10 51	18 23	4 57	0s25	1 28	9 32	2 45	4 5	0 46	21 47	0 41	20 35	1 40	12 50	0 29	17 33	0 14	17 3	6 2	22 6	22 17	25 33	7 53	0 15
W19	10 30	21 48	4 31	1 2	1 37	9 59	2 51	3 49	0 46	21 48	0 41	20 35	1 40	12 50	0 29	17 32	0 14	17 3	6 2	22 6	22 18	25 33	7 56	0 14
T 20	10 9	24 12	3 54	1 38	1 45	10 26	2 58	3 33	0 45	21 49	0 41	20 36	1 40	12 49	0 29	17 32	0 14	17 3	6 2	22 7	22 18	25 32	7 58	0 14
F 21	9 47	25 29	3 7	2 13	1 54	10 53	3 5	3 17	0 45	21 49	0 41	20 36	1 40	12 49	0 29	17 31	0 14	17 4	6 1	22 7	22 19	25 32	8 0	0 14
S 22	9 26	25 37	2 12	2 48	2 3	11 19	3 12	3 1	0 44	21 50	0 41	20 36	1 40	12 49	0 29	17 31	0 14	17 4	6 1	22 6	22 19	25 32	8 3	0 14
S 23	9 4	24 34	1 11	3 21	2 11	11 45	3 19	2 45	0 44	21 51	0 41	20 36	1 40	12 48	0 29	17 30	0 14	17 4	6 1	22 6	22 19	25 31	8 5	0 13
M24	8 43	22 24	0 7	3 54	2 20	12 11	3 26	2 29	0 43	21 52	0 41	20 37	1 41	12 48	0 29	17 30	0 14	17 5	6 1	22 6	22 20	25 31	8 8	0 13
T 25	8 21	19 12	0n58	4 25	2 28	12 36	3 33	2 13	0 43	21 52	0 41	20 37	1 41	12 48	0 29	17 29	0 14	17 5	6 0	22 6	22 20	25 30	8 10	0 13
W26	7 59	15 7	2 2	4 55	2 37	13 1	3 40	1 57	0 42	21 53	0 41	20 37	1 41	12 47	0 29	17 28	0 14	17 5	6 0	22 7	22 21	25 30	8 12	0 12
T 27	7 36	10 17	3 0	5 24	2 45	13 26	3 47	1 41	0 42	21 54	0 41	20 37	1 41	12 47	0 29	17 28	0 14	17 5	6 0	22 7	22 21	25 29	8 15	0 12
F 28	7 14	4 55	3 51	5 51	2 52	13 51	3 54	1 24	0 41	21 54	0 41	20 38	1 41	12 47	0 29	17 27	0 14	17 6	5 59	22 8	22 22	25 29	8 17	0 12
S 29	6 52	0n47	4 31	6 17	3 0	14 15	4 1	1 8	0 41	21 55	0 41	20 38	1 41	12 46	0 29	17 27	0 14	17 6	5 59	22 9	22 22	25 28	8 20	0 11
S 30	6 29	6 32	4 56	6 41	3 7	14 38	4 8	0 52	0 40	21 56	0 41	20 38	1 41	12 46	0 29	17 26	0 14	17 6	5 59	22 11	22 22	25 28	8 22	0 11
M31	6n 7	12n 4	5n 5	7s 4	3s14	15s 2	4s15	0n36	0n40	21n56	0s41	20n38	1s41	12n45	0s29	17n26	0n14	17s 7	5n59	22s12	22s23	25s27	8s25	0s11

Julian Day Number = 2183311.5, Delta T = 11m19s
Ecliptic obliquity = 23°32'08, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'54, Lahiri = 13°36'54 Julian Calendar 1 Aug. 1265 == Greg. Calendar 8 Aug. 1265

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

SEPTEMBER 1265 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 9 37	15♍31'01	2♉35	10♎53	29♎28	0♎40	14♊29	11♊57	4°R54	12♌14	18♐52	18°R45	17♑30	24♐11	21♎10	T 1
W 2	23 13 33	16°29'40	16°35	11°25	0♏12	1°20	14°33	11°58	4♉53	12°16	18°53	18♑39	17°26	24°18	21°18	W 2
T 3	23 17 30	17°28'22	0♊39	11°52	0°56	1°59	14°38	12° 0	4°51	12°18	18°53	18°35	17°23	24°25	21°25	T 3
F 4	23 21 26	18°27'05	14°45	12°14	1°38	2°39	14°42	12° 1	4°50	12°20	18°53	18°D34	17°20	24°31	21°33	F 4
S 5	23 25 23	19°25'52	28°53	12°31	2°20	3°19	14°47	12° 3	4°48	12°22	18°54	18°34	17°17	24°38	21°41	S 5
S 6	23 29 20	20°24'40	13♋ 1	12°42	3° 0	3°58	14°51	12° 4	4°47	12°23	18°54	18°R35	17°14	24°45	21°48	S 6
M 7	23 33 16	21°23'31	27° 7	12°R46	3°40	4°38	14°54	12° 5	4°45	12°25	18°55	18°35	17°10	24°51	21°56	M 7
T 8	23 37 13	22°22'24	11♌11	12°44	4°18	5°18	14°58	12° 6	4°44	12°27	18°55	18°33	17° 7	24°58	22° 4	T 8
W 9	23 41 9	23°21'19	25° 9	12°35	4°55	5°58	15° 2	12° 7	4°42	12°29	18°56	18°28	17° 4	25° 5	22°12	W 9
T 10	23 45 6	24°20'16	8♍59	12°19	5°31	6°38	15° 5	12° 8	4°40	12°31	18°56	18°21	17° 1	25°11	22°20	T 10
F 11	23 49 2	25°19'15	22°37	11°55	6° 6	7°17	15° 8	12° 9	4°38	12°32	18°57	18°11	16°58	25°18	22°27	F 11
S 12	23 52 59	26°18'17	6♎ 0	11°24	6°39	7°57	15°11	12° 9	4°37	12°34	18°57	18° 0	16°55	25°25	22°35	S 12
S 13	23 56 55	27°17'20	19° 6	10°45	7°11	8°37	15°14	12°10	4°35	12°36	18°58	17°48	16°51	25°31	22°43	S 13
M14	0 0 52	28°16'26	1♏53	9°58	7°42	9°18	15°16	12°10	4°33	12°37	18°59	17°37	16°48	25°38	22°51	M14
T 15	0 4 48	29°15'33	14°23	9° 5	8°11	9°58	15°18	12°11	4°31	12°39	18°59	17°27	16°45	25°45	22°59	T 15
W16	0 8 45	0♎14'43	26°36	8° 6	8°38	10°38	15°21	12°11	4°29	12°41	19° 0	17°20	16°42	25°51	23° 7	W16
T 17	0 12 42	1°13'54	8♐37	7° 2	9° 4	11°18	15°23	12°R11	4°27	12°42	19° 1	17°15	16°39	25°58	23°15	T 17
F 18	0 16 38	2°13'07	20°29	5°53	9°28	11°58	15°24	12°11	4°25	12°44	19° 1	17°13	16°36	26° 4	23°23	F 18
S 19	0 20 35	3°12'22	2♑17	4°43	9°51	12°38	15°26	12°11	4°23	12°46	19° 2	17°D12	16°32	26°11	23°32	S 19
S 20	0 24 31	4°11'39	14° 7	3°32	10°12	13°19	15°27	12°10	4°21	12°47	19° 3	17°R12	16°29	26°18	23°40	S 20
M21	0 28 28	5°10'57	26° 5	2°23	10°31	13°59	15°28	12°10	4°19	12°49	19° 4	17°12	16°26	26°24	23°48	M21
T 22	0 32 24	6°10'17	8♒15	1°18	10°48	14°40	15°29	12° 9	4°17	12°50	19° 5	17°10	16°23	26°31	23°56	T 22
W23	0 36 21	7° 9'40	20°42	0°18	11° 2	15°20	15°30	12° 9	4°15	12°52	19° 6	17° 7	16°20	26°38	24° 4	W23
T 24	0 40 17	8° 9'04	3♓30	29♍25	11°15	16° 0	15°31	12° 8	4°13	12°53	19° 7	17° 0	16°16	26°44	24°12	T 24
F 25	0 44 14	9° 8'29	16°41	28°41	11°26	16°41	15°31	12° 7	4°11	12°54	19° 8	16°51	16°13	26°51	24°21	F 25
S 26	0 48 11	10° 7'57	0♈14	28° 6	11°35	17°22	15°R31	12° 6	4° 9	12°56	19° 9	16°39	16°10	26°58	24°29	S 26
S 27	0 52 7	11° 7'27	14° 7	27°42	11°41	18° 2	15°31	12° 5	4° 6	12°57	19°10	16°27	16° 7	27° 4	24°37	S 27
M28	0 56 4	12° 6'59	28°16	27°29	11°45	18°43	15°31	12° 4	4° 4	12°59	19°11	16°15	16° 4	27°11	24°46	M28
T 29	1 0 0	13° 6'33	12♉36	27°D27	11°R47	19°24	15°31	12° 3	4° 2	13° 0	19°12	16° 4	16° 1	27°18	24°54	T 29
W30	1 3 57	14♎ 6'09	27♉ 0	27♍37	11♏47	20♎ 4	15♊30	12♊ 1	4♉ 0	13♌ 1	19♐13	15♑56	15♑57	27♐24	25♎ 2	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n44	17n 3	4n57	7s24	3s21	15s25	4s22	0n20	0n39	21n57	0s41	20n38	1s41	12n45	0s29	17n25	0n14	17s 7	5n58	22s13	22s23	25s27	8s27	0s11
W 2	5 21	21 10	4 30	7 42	3 27	15 47	4 29	0 3	0 39	21 57	0 41	20 38	1 42	12 44	0 29	17 25	0 14	17 7	5 58	22 14	22 24	25 26	8 30	0 10
T 3	4 58	24 4	3 47	7 58	3 32	16 9	4 36	0s13	0 38	21 58	0 41	20 38	1 42	12 44	0 29	17 24	0 14	17 8	5 58	22 14	22 24	25 26	8 33	0 10
F 4	4 35	25 29	2 51	8 11	3 37	16 31	4 43	0 29	0 37	21 58	0 41	20 38	1 42	12 43	0 29	17 24	0 14	17 8	5 57	22 15	22 24	25 25	8 35	0 10
S 5	4 12	25 15	1 43	8 21	3 41	16 52	4 50	0 45	0 37	21 59	0 41	20 39	1 42	12 43	0 29	17 23	0 14	17 8	5 57	22 15	22 25	25 25	8 38	0 9
S 6	3 49	23 23	0 30	8 28	3 44	17 12	4 57	1 2	0 36	21 59	0 41	20 39	1 42	12 42	0 29	17 23	0 14	17 9	5 57	22 14	22 25	25 24	8 40	0 9
M 7	3 26	20 5	0s45	8 32	3 46	17 32	5 4	1 18	0 36	21 59	0 41	20 39	1 42	12 42	0 29	17 22	0 14	17 9	5 56	22 14	22 26	25 24	8 43	0 9
T 8	3 2	15 36	1 57	8 32	3 48	17 52	5 10	1 34	0 35	22 0	0 41	20 39	1 42	12 41	0 29	17 22	0 14	17 9	5 56	22 15	22 26	25 23	8 46	0 9
W 9	2 39	10 20	3 2	8 29	3 48	18 11	5 17	1 51	0 35	22 0	0 41	20 39	1 42	12 41	0 29	17 21	0 14	17 10	5 56	22 15	22 26	25 22	8 48	0 8
T 10	2 15	4 37	3 55	8 21	3 46	18 30	5 24	2 7	0 34	22 1	0 41	20 39	1 43	12 40	0 29	17 21	0 14	17 10	5 56	22 16	22 27	25 22	8 51	0 8
F 11	1 52	1s14	4 33	8 10	3 44	18 48	5 30	2 23	0 34	22 1	0 41	20 39	1 43	12 40	0 29	17 20	0 14	17 10	5 55	22 18	22 27	25 21	8 54	0 8
S 12	1 28	6 55	4 56	7 53	3 39	19 5	5 37	2 40	0 33	22 1	0 42	20 39	1 43	12 39	0 29	17 20	0 14	17 11	5 55	22 19	22 28	25 21	8 56	0 7
S 13	1 5	12 9	5 2	7 32	3 33	19 22	5 43	2 56	0 33	22 2	0 42	20 39	1 43	12 38	0 29	17 19	0 14	17 11	5 55	22 21	22 28	25 20	8 59	0 7
M14	0 41	16 45	4 53	7 7	3 26	19 38	5 49	3 12	0 32	22 2	0 42	20 38	1 43	12 38	0 29	17 19	0 14	17 11	5 54	22 22	22 28	25 19	9 2	0 7
T 15	0 18	20 30	4 30	6 37	3 16	19 53	5 56	3 28	0 32	22 2	0 42	20 38	1 43	12 37	0 29	17 18	0 14	17 12	5 54	22 24	22 29	25 19	9 4	0 7
W16	0s 6	23 17	3 55	6 3	3 4	20 8	6 2	3 45	0 31	22 2	0 42	20 38	1 43	12 36	0 29	17 18	0 14	17 12	5 54	22 24	22 29	25 18	9 7	0 6
T 17	0 30	24 57	3 10	5 25	2 51	20 22	6 7	4 1	0 31	22 2	0 42	20 38	1 43	12 36	0 29	17 17	0 14	17 12	5 54	22 25	22 30	25 18	9 10	0 6
F 18	0 53	25 28	2 17	4 43	2 35	20 35	6 13	4 17	0 30	22 3	0 42	20 38	1 43	12 35	0 29	17 17	0 14	17 13	5 53	22 25	22 30	25 17	9 13	0 6
S 19	1 17	24 49	1 18	4 0	2 18	20 48	6 18	4 34	0 30	22 3	0 42	20 38	1 43	12 34	0 29	17 17	0 14	17 13	5 53	22 25	22 30	25 16	9 15	0 5
S 20	1 40	23 3	0 16	3 15	2 0	20 59	6 24	4 50	0 29	22 3	0 42	20 38	1 44	12 34	0 29	17 16	0 14	17 13	5 53	22 25	22 31	25 16	9 18	0 5
M21	2 4	20 15	0n47	2 29	1 41	21 10	6 29	5 6	0 28	22 3	0 42	20 38	1 44	12 33	0 29	17 16	0 14	17 14	5 52	22 25	22 31	25 15	9 21	0 5
T 22	2 28	16 31	1 49	1 45	1 20	21 20	6 34	5 22	0 28	22 3	0 42	20 38	1 44	12 32	0 29	17 15	0 14	17 14	5 52	22 26	22 32	25 14	9 24	0 5
W23	2 51	12 0	2 48	1 2	1 0	21 29	6 38	5 38	0 27	22 3	0 42	20 37	1 44	12 32	0 29	17 15	0 14	17 14	5 52	22 26	22 32	25 14	9 26	0 4
T 24	3 15	6 51	3 39	0 22	0 39	21 38	6 42	5 55	0 27	22 3	0 42	20 37	1 44	12 31	0 29	17 15	0 14	17 15	5 52	22 27	22 32	25 13	9 29	0 4
F 25	3 38	1 17	4 20	0n14	0 19	21 45	6 46	6 11	0 26	22 3	0 42	20 37	1 44	12 30	0 29	17 14	0 14	17 15	5 51	22 28	22 33	25 12	9 32	0 4
S 26	4 2	4n30	4 48	0 46	0n 0	21 51	6 50	6 27	0 26	22 3	0 42	20 37	1 44	12 29	0 29	17 14	0 14	17 15	5 51	22 30	22 33	25 12	9 35	0 4
S 27	4 25	10 12	5 0	1 12	0 18	21 56	6 53	6 43	0 25	22 3	0 42	20 36	1 44	12 29	0 29	17 13	0 14	17 16	5 51	22 31	22 34	25 11	9 38	0 3
M28	4 48	15 28	4 54	1 33	0 36	22 0	6 56	6 59	0 25	22 3	0 42	20 36	1 44	12 28	0 29	17 13	0 14	17 16	5 50	22 33	22 34	25 10	9 40	0 3
T 29	5 12	19 57	4 29	1 48	0 51	22 3	6 58	7 15	0 24	22 3	0 42	20 36	1 44	12 27	0 29	17 13	0 14	17 17	5 50	22 34	22 34	25 10	9 43	0 3
W30	5s35	23n15	3n47	1n57	1n 5	22s 4	7s 0	7s31	0n24	22n 3	0s42	20n36	1s45	12n26	0s29	17n12	0n14	17s17	5n50	22s35	22s35	25s 9	9s46	0s 2

Julian Day Number = 2183342.5, Delta T = 11m19s
Ecliptic obliquity = 23°32'08, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°29'58, Lahiri = 13°36'59 Julian Calendar 1 Sept. 1265 == Greg. Calendar 8 Sept. 1265

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

OCTOBER 1265 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 7 53	15♎ 5'48	11♊23	27♍56	11°R44	20♎45	15°R29	12°R 0	3°R57	13♌ 2	19♐14	15°R51	15♑54	27♐31	25♎11	T 1
F 2	1 11 50	16° 5'29	25°42	28°26	11♏39	21°26	15♊28	11♊58	3♉55	13° 4	19°16	15♑48	15°51	27°38	25°19	F 2
S 3	1 15 46	17° 5'12	9♋52	29° 5	11°31	22° 7	15°27	11°57	3°53	13° 5	19°17	15°47	15°48	27°44	25°27	S 3
S 4	1 19 43	18° 4'58	23°54	29°53	11°21	22°48	15°25	11°55	3°50	13° 6	19°18	15°47	15°45	27°51	25°36	S 4
M 5	1 23 40	19° 4'45	7♌47	0♎48	11° 8	23°29	15°24	11°53	3°48	13° 7	19°19	15°47	15°41	27°58	25°44	M 5
T 6	1 27 36	20° 4'36	21°31	1°50	10°54	24°10	15°22	11°51	3°46	13° 8	19°21	15°44	15°38	28° 4	25°53	T 6
W 7	1 31 33	21° 4'28	5♍ 5	2°58	10°36	24°51	15°20	11°49	3°43	13° 9	19°22	15°39	15°35	28°11	26° 1	W 7
T 8	1 35 29	22° 4'22	18°30	4°11	10°17	25°32	15°18	11°47	3°41	13°10	19°23	15°30	15°32	28°18	26° 9	T 8
F 9	1 39 26	23° 4'19	1♎44	5°29	9°55	26°13	15°15	11°44	3°38	13°11	19°25	15°19	15°29	28°24	26°18	F 9
S 10	1 43 22	24° 4'18	14°46	6°50	9°31	26°55	15°13	11°42	3°36	13°12	19°26	15° 6	15°26	28°31	26°26	S 10
S 11	1 47 19	25° 4'18	27°35	8°15	9° 6	27°36	15°10	11°39	3°33	13°13	19°28	14°52	15°22	28°37	26°35	S 11
M12	1 51 15	26° 4'21	10♏10	9°42	8°38	28°17	15° 7	11°37	3°31	13°14	19°29	14°39	15°19	28°44	26°43	M12
T 13	1 55 12	27° 4'26	22°30	11°12	8° 8	28°59	15° 4	11°34	3°29	13°15	19°31	14°28	15°16	28°51	26°52	T 13
W14	1 59 9	28° 4'32	4♐38	12°44	7°37	29°40	15° 0	11°31	3°26	13°16	19°32	14°19	15°13	28°57	27° 0	W14
T 15	2 3 5	29° 4'40	16°35	14°17	7° 5	0♏22	14°57	11°28	3°24	13°17	19°34	14°13	15°10	29° 4	27° 8	T 15
F 16	2 7 2	0♏ 4'50	28°25	15°51	6°31	1° 3	14°53	11°25	3°21	13°18	19°35	14°10	15° 7	29°11	27°17	F 16
S 17	2 10 58	1° 5'01	10♑11	17°26	5°56	1°45	14°49	11°22	3°19	13°18	19°37	14°D 9	15° 3	29°17	27°25	S 17
S 18	2 14 55	2° 5'14	22° 0	19° 2	5°20	2°27	14°45	11°19	3°16	13°19	19°38	14° 9	15° 0	29°24	27°34	S 18
M19	2 18 51	3° 5'29	3♒55	20°39	4°44	3° 8	14°40	11°16	3°14	13°20	19°40	14°R 9	14°57	29°31	27°42	M19
T 20	2 22 48	4° 5'45	16° 4	22°15	4° 8	3°50	14°36	11°12	3°11	13°21	19°42	14° 8	14°54	29°37	27°51	T 20
W21	2 26 44	5° 6'02	28°30	23°52	3°31	4°32	14°31	11° 9	3° 9	13°21	19°43	14° 6	14°51	29°44	27°59	W21
T 22	2 30 41	6° 6'21	11♓19	25°30	2°55	5°14	14°26	11° 5	3° 6	13°22	19°45	14° 1	14°47	29°51	28° 7	T 22
F 23	2 34 38	7° 6'41	24°34	27° 7	2°19	5°55	14°21	11° 2	3° 4	13°22	19°47	13°53	14°44	29°57	28°16	F 23
S 24	2 38 34	8° 7'03	8♈17	28°44	1°44	6°37	14°16	10°58	3° 1	13°23	19°48	13°44	14°41	0♑ 4	28°24	S 24
S 25	2 42 31	9° 7'27	22°25	0♏21	1°10	7°19	14°11	10°54	2°59	13°23	19°50	13°33	14°38	0°11	28°32	S 25
M26	2 46 27	10° 7'52	6♉54	1°58	0°37	8° 1	14° 5	10°50	2°56	13°24	19°52	13°23	14°35	0°17	28°41	M26
T 27	2 50 24	11° 8'19	21°38	3°35	0° 5	8°43	13°59	10°47	2°54	13°24	19°54	13°14	14°32	0°24	28°49	T 27
W28	2 54 20	12° 8'47	6♊28	5°12	29♎35	9°25	13°54	10°43	2°51	13°25	19°56	13° 7	14°28	0°31	28°57	W28
T 29	2 58 17	13° 9'18	21°17	6°49	29° 6	10° 8	13°48	10°39	2°49	13°25	19°57	13° 2	14°25	0°37	29° 5	T 29
F 30	3 2 13	14° 9'50	5♋57	8°25	28°40	10°50	13°41	10°34	2°47	13°25	19°59	13° 0	14°22	0°44	29°14	F 30
S 31	3 6 10	15♏10'24	20♋24	10♏ 1	28♎15	11♏32	13♊35	10♊30	2♉44	13♌26	20♐ 1	13°D 0	14♑19	0♑50	29♎22	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	5s58	25n 4	2n51	2n 1	1n18	22s 5	7s 2	7s47	0n23	22n 3	0s42	20n35	1s45	12n26	0s29	17n12	0n14	17s17	5n50	22s35	22s35	25s 8	9s49	0s 2	T 1
F 2	6 21	25 12	1 44	1 59	1 29	22 4	7 2	8 3	0 22	22 3	0 42	20 35	1 45	12 25	0 29	17 12	0 14	17 18	5 49	22 36	22 35	25 8	9 52	0 2	F 2
S 3	6 44	23 41	0 31	1 52	1 38	22 2	7 3	8 19	0 22	22 3	0 42	20 35	1 45	12 24	0 29	17 11	0 15	17 18	5 49	22 36	22 36	25 7	9 54	0 2	S 3
S 4	7 7	20 43	0s43	1 40	1 46	21 59	7 3	8 34	0 21	22 3	0 42	20 34	1 45	12 23	0 29	17 11	0 15	17 18	5 49	22 36	22 36	25 6	9 57	0 1	S 4
M 5	7 30	16 34	1 53	1 24	1 53	21 54	7 2	8 50	0 21	22 2	0 42	20 34	1 45	12 22	0 29	17 11	0 15	17 19	5 49	22 36	22 37	25 5	10 0	0 1	M 5
T 6	7 53	11 36	2 57	1 4	1 58	21 48	7 0	9 6	0 20	22 2	0 42	20 34	1 45	12 22	0 29	17 10	0 15	17 19	5 48	22 36	22 37	25 5	10 3	0 1	T 6
W 7	8 15	6 8	3 49	0 41	2 2	21 40	6 58	9 21	0 20	22 2	0 42	20 33	1 45	12 21	0 29	17 10	0 15	17 19	5 48	22 37	22 37	25 4	10 6	0 1	W 7
T 8	8 38	0 27	4 28	0 14	2 4	21 31	6 55	9 37	0 19	22 2	0 42	20 33	1 45	12 20	0 29	17 10	0 15	17 20	5 48	22 38	22 38	25 3	10 9	0 0	T 8
F 9	9 0	5s 9	4 52	0s16	2 6	21 21	6 52	9 53	0 18	22 1	0 42	20 33	1 45	12 19	0 29	17 10	0 15	17 20	5 48	22 39	22 38	25 2	10 11	0n 0	F 9
S 10	9 22	10 27	5 0	0 47	2 6	21 9	6 47	10 8	0 18	22 1	0 42	20 32	1 45	12 18	0 29	17 9	0 15	17 20	5 47	22 41	22 38	25 2	10 14	0 0	S 10
S 11	9 45	15 12	4 53	1 21	2 6	20 55	6 42	10 24	0 17	22 1	0 42	20 32	1 45	12 17	0 29	17 9	0 15	17 21	5 47	22 42	22 39	25 1	10 17	0 1	S 11
M12	10 6	19 13	4 32	1 57	2 5	20 41	6 37	10 39	0 17	22 1	0 42	20 31	1 46	12 17	0 29	17 9	0 15	17 21	5 47	22 44	22 39	25 0	10 20	0 1	M12
T 13	10 28	22 18	3 58	2 34	2 3	20 25	6 30	10 54	0 16	22 0	0 42	20 31	1 46	12 16	0 29	17 9	0 15	17 22	5 47	22 45	22 39	24 59	10 23	0 1	T 13
W14	10 50	24 19	3 13	3 12	2 1	20 7	6 22	11 9	0 16	22 0	0 42	20 31	1 46	12 15	0 29	17 8	0 15	17 22	5 46	22 46	22 40	24 59	10 25	0 1	W14
T 15	11 11	25 11	2 21	3 51	1 57	19 49	6 14	11 25	0 15	22 0	0 42	20 30	1 46	12 14	0 29	17 8	0 15	17 22	5 46	22 46	22 40	24 58	10 28	0 2	T 15
F 16	11 33	24 54	1 23	4 31	1 54	19 29	6 5	11 40	0 14	21 59	0 42	20 30	1 46	12 13	0 29	17 8	0 15	17 23	5 46	22 47	22 41	24 57	10 31	0 2	F 16
S 17	11 54	23 30	0 21	5 11	1 50	19 8	5 55	11 55	0 14	21 59	0 42	20 29	1 46	12 12	0 29	17 8	0 15	17 23	5 46	22 47	22 41	24 56	10 34	0 2	S 17
S 18	12 15	21 3	0n42	5 52	1 45	18 46	5 45	12 10	0 13	21 58	0 42	20 29	1 46	12 12	0 29	17 7	0 15	17 23	5 45	22 47	22 41	24 55	10 37	0 2	S 18
M19	12 36	17 41	1 43	6 33	1 40	18 23	5 34	12 25	0 13	21 58	0 42	20 28	1 46	12 11	0 29	17 7	0 15	17 24	5 45	22 47	22 42	24 54	10 39	0 3	M19
T 20	12 56	13 31	2 41	7 14	1 35	17 59	5 22	12 39	0 12	21 57	0 41	20 28	1 46	12 10	0 29	17 7	0 15	17 24	5 45	22 47	22 42	24 54	10 42	0 3	T 20
W21	13 16	8 42	3 33	7 55	1 29	17 35	5 9	12 54	0 12	21 57	0 41	20 27	1 46	12 9	0 29	17 7	0 15	17 24	5 45	22 47	22 42	24 53	10 45	0 3	W21
T 22	13 37	3 24	4 16	8 36	1 24	17 10	4 56	13 9	0 11	21 56	0 41	20 27	1 46	12 8	0 29	17 7	0 15	17 25	5 45	22 48	22 43	24 52	10 48	0 4	T 22
F 23	13 56	2n13	4 47	9 17	1 18	16 44	4 43	13 23	0 10	21 56	0 41	20 26	1 46	12 7	0 29	17 7	0 15	17 25	5 44	22 48	22 43	24 51	10 50	0 4	F 23
S 24	14 16	7 55	5 2	9 57	1 12	16 19	4 29	13 38	0 10	21 55	0 41	20 26	1 46	12 7	0 29	17 7	0 15	17 25	5 44	22 49	22 43	24 50	10 53	0 4	S 24
S 25	14 36	13 23	5 0	10 37	1 5	15 53	4 14	13 52	0 9	21 55	0 41	20 25	1 46	12 6	0 29	17 6	0 15	17 26	5 44	22 51	22 44	24 49	10 56	0 4	S 25
M26	14 55	18 15	4 39	11 17	0 59	15 28	3 59	14 6	0 9	21 54	0 41	20 24	1 46	12 5	0 29	17 6	0 15	17 26	5 44	22 52	22 44	24 49	10 58	0 5	M26
T 27	15 14	22 5	3 59	11 57	0 52	15 2	3 44	14 20	0 8	21 53	0 41	20 24	1 46	12 4	0 29	17 6	0 15	17 26	5 43	22 52	22 44	24 48	11 1	0 5	T 27
W28	15 33	24 28	3 2	12 35	0 46	14 37	3 29	14 34	0 7	21 53	0 41	20 23	1 46	12 3	0 29	17 6	0 15	17 27	5 43	22 53	22 45	24 47	11 4	0 5	W28
T 29	15 51	25 8	1 53	13 14	0 39	14 13	3 14	14 48	0 7	21 52	0 41	20 23	1 46	12 2	0 29	17 6	0 15	17 27	5 43	22 54	22 45	24 46	11 7	0 6	T 29
F 30	16 9	24 2	0 38	13 51	0 32	13 49	2 58	15 2	0 6	21 51	0 41	20 22	1 46	12 2	0 29	17 6	0 15	17 27	5 43	22 54	22 45	24 45	11 9	0 6	F 30
S 31	16s27	21n20	0s40	14s28	0n26	13s26	2s43	15s16	0n 6	21n51	0s41	20n22	1s46	12n 1	0s29	17n 6	0n15	17s28	5n43	22s54	22s46	24s44	11s12	0n 6	S 31

Julian Day Number = 2183372.5, Delta T = 11m19s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'02, Lahiri = 13°37'03 Julian Calendar 1 Oct. 1265 == Greg. Calendar 8 Oct. 1265

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

NOVEMBER 1265 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 10 7	16♏10'59	4♌34	11♏37	27°R53	12♏14	13°R29	10°R26	2°R42	13♌26	20♐ 3	13♑ 1	14♑16	0♑57	29♎30	S 1
M 2	3 14 3	17°11'37	18°27	13°13	27♎33	12°57	13♊22	10♊22	2♉39	13°26	20° 5	13°R 1	14°13	1° 4	29°38	M 2
T 3	3 18 0	18°12'16	2♍ 3	14°48	27°15	13°39	13°15	10°17	2°37	13°26	20° 7	13° 0	14° 9	1°10	29°47	T 3
W 4	3 21 56	19°12'57	15°23	16°24	27° 0	14°22	13° 9	10°13	2°35	13°27	20° 9	12°57	14° 6	1°17	29°55	W 4
T 5	3 25 53	20°13'40	28°30	17°59	26°47	15° 4	13° 2	10° 8	2°32	13°27	20°11	12°52	14° 3	1°24	0♏ 3	T 5
F 6	3 29 49	21°14'24	11♎23	19°34	26°37	15°47	12°55	10° 4	2°30	13°27	20°13	12°44	14° 0	1°30	0°11	F 6
S 7	3 33 46	22°15'10	24° 4	21° 9	26°29	16°29	12°47	9°59	2°28	13°27	20°15	12°35	13°57	1°37	0°19	S 7
S 8	3 37 42	23°15'57	6♏34	22°43	26°24	17°12	12°40	9°55	2°25	13°R27	20°17	12°25	13°53	1°44	0°27	S 8
M 9	3 41 39	24°16'46	18°52	24°18	26°21	17°55	12°33	9°50	2°23	13°27	20°19	12°16	13°50	1°50	0°35	M 9
T 10	3 45 36	25°17'36	1♐ 1	25°52	26°D21	18°37	12°25	9°45	2°21	13°27	20°21	12° 8	13°47	1°57	0°43	T 10
W11	3 49 32	26°18'27	13° 1	27°27	26°23	19°20	12°18	9°41	2°19	13°27	20°23	12° 1	13°44	2° 4	0°51	W11
T 12	3 53 29	27°19'20	24°53	29° 1	26°27	20° 3	12°10	9°36	2°17	13°27	20°25	11°57	13°41	2°10	0°59	T 12
F 13	3 57 25	28°20'13	6♑41	0♐35	26°34	20°46	12° 2	9°31	2°14	13°27	20°27	11°D56	13°38	2°17	1° 6	F 13
S 14	4 1 22	29°21'08	18°26	2° 9	26°43	21°29	11°55	9°26	2°12	13°26	20°29	11°56	13°34	2°24	1°14	S 14
S 15	4 5 18	0♐22'03	0♒14	3°43	26°54	22°12	11°47	9°21	2°10	13°26	20°31	11°57	13°31	2°30	1°22	S 15
M16	4 9 15	1°22'59	12° 8	5°17	27° 8	22°55	11°39	9°17	2° 8	13°26	20°33	11°59	13°28	2°37	1°30	M16
T 17	4 13 11	2°23'56	24°14	6°51	27°23	23°38	11°31	9°12	2° 6	13°26	20°35	12° 0	13°25	2°44	1°37	T 17
W18	4 17 8	3°24'54	6♓37	8°25	27°41	24°21	11°23	9° 7	2° 4	13°25	20°37	12°R 0	13°22	2°50	1°45	W18
T 19	4 21 5	4°25'52	19°21	9°59	28° 0	25° 4	11°15	9° 2	2° 2	13°25	20°39	11°59	13°19	2°57	1°53	T 19
F 20	4 25 1	5°26'51	2♈31	11°33	28°22	25°47	11° 7	8°57	2° 0	13°25	20°42	11°56	13°15	3° 3	2° 0	F 20
S 21	4 28 58	6°27'51	16° 9	13° 7	28°45	26°31	10°59	8°52	1°58	13°24	20°44	11°52	13°12	3°10	2° 8	S 21
S 22	4 32 54	7°28'51	0♉16	14°41	29°11	27°14	10°50	8°47	1°56	13°24	20°46	11°47	13° 9	3°17	2°15	S 22
M23	4 36 51	8°29'53	14°49	16°16	29°37	27°57	10°42	8°42	1°54	13°23	20°48	11°41	13° 6	3°23	2°23	M23
T 24	4 40 47	9°30'54	29°43	17°50	0♏ 6	28°41	10°34	8°37	1°52	13°23	20°50	11°37	13° 3	3°30	2°30	T 24
W25	4 44 44	10°31'57	14♊50	19°24	0°36	29°24	10°26	8°32	1°51	13°22	20°52	11°33	12°59	3°37	2°37	W25
T 26	4 48 40	11°33'01	29°59	20°58	1° 8	0♐ 8	10°18	8°27	1°49	13°22	20°54	11°31	12°56	3°43	2°44	T 26
F 27	4 52 37	12°34'05	15♋ 3	22°32	1°42	0°51	10°10	8°22	1°47	13°21	20°57	11°D31	12°53	3°50	2°52	F 27
S 28	4 56 34	13°35'10	29°52	24° 7	2°16	1°35	10° 2	8°17	1°46	13°20	20°59	11°31	12°50	3°57	2°59	S 28
S 29	5 0 30	14°36'16	14♌21	25°41	2°53	2°18	9°53	8°12	1°44	13°20	21° 1	11°33	12°47	4° 3	3° 6	S 29
M30	5 4 27	15♐37'22	28♌26	27♐15	3♏30	3♐ 2	9♊45	8♊ 7	1♉42	13♌19	21♐ 3	11♑34	12♑44	4♑10	3♏13	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s45	17n22	1s53	15s 5	0n19	13s 3	2s27	15s30	0n 5	21n50	0s41	20n21	1s46	12n 0	0s29	17n 6	0n15	17s28	5n42	22s54	22s46	24s43	11s15	0n 6
M 2	17 2	12 32	2 58	15 41	0 12	12 42	2 12	15 43	0 4	21 49	0 41	20 20	1 46	11 59	0 29	17 6	0 15	17 28	5 42	22 54	22 46	24 42	11 17	0 7
T 3	17 19	7 11	3 52	16 16	0 5	12 21	1 57	15 56	0 4	21 48	0 41	20 20	1 46	11 58	0 29	17 6	0 15	17 29	5 42	22 54	22 47	24 41	11 20	0 7
W 4	17 36	1 36	4 32	16 50	0s 1	12 2	1 42	16 10	0 3	21 48	0 41	20 19	1 46	11 58	0 29	17 6	0 15	17 29	5 42	22 54	22 47	24 40	11 22	0 7
T 5	17 52	3s56	4 57	17 23	0 8	11 43	1 27	16 23	0 3	21 47	0 41	20 18	1 46	11 57	0 29	17 6	0 15	17 29	5 42	22 55	22 47	24 39	11 25	0 7
F 6	18 9	9 13	5 6	17 56	0 15	11 26	1 13	16 36	0 2	21 46	0 41	20 18	1 46	11 56	0 29	17 6	0 15	17 30	5 41	22 55	22 48	24 39	11 28	0 8
S 7	18 24	14 1	5 0	18 28	0 21	11 10	0 58	16 49	0 1	21 45	0 40	20 17	1 46	11 55	0 29	17 6	0 15	17 30	5 41	22 56	22 48	24 38	11 30	0 8
S 8	18 40	18 10	4 40	18 58	0 28	10 55	0 44	17 2	0 1	21 44	0 40	20 16	1 46	11 54	0 29	17 6	0 15	17 30	5 41	22 57	22 48	24 37	11 33	0 8
M 9	18 55	21 27	4 7	19 28	0 34	10 41	0 31	17 14	0 0	21 44	0 40	20 16	1 46	11 54	0 29	17 6	0 15	17 31	5 41	22 58	22 49	24 36	11 35	0 9
T 10	19 10	23 45	3 23	19 57	0 41	10 29	0 18	17 27	0s 1	21 43	0 40	20 15	1 46	11 53	0 29	17 6	0 15	17 31	5 41	22 59	22 49	24 35	11 38	0 9
W11	19 24	24 56	2 30	20 26	0 47	10 18	0 5	17 39	0 1	21 42	0 40	20 14	1 46	11 52	0 29	17 6	0 15	17 31	5 41	22 59	22 49	24 34	11 40	0 9
T 12	19 38	24 57	1 31	20 53	0 53	10 8	0n 8	17 51	0 2	21 41	0 40	20 14	1 46	11 51	0 29	17 6	0 15	17 32	5 40	23 0	22 50	24 33	11 43	0 9
F 13	19 52	23 50	0 28	21 19	0 59	9 59	0 20	18 3	0 2	21 40	0 40	20 13	1 46	11 51	0 29	17 6	0 15	17 32	5 40	23 0	22 50	24 32	11 45	0 10
S 14	20 6	21 41	0n35	21 44	1 5	9 51	0 31	18 15	0 3	21 39	0 40	20 12	1 46	11 50	0 29	17 6	0 15	17 32	5 40	23 0	22 50	24 31	11 48	0 10
S 15	20 19	18 35	1 38	22 8	1 10	9 45	0 43	18 27	0 4	21 38	0 40	20 12	1 46	11 49	0 29	17 6	0 15	17 33	5 40	23 0	22 51	24 30	11 50	0 10
M16	20 31	14 43	2 37	22 31	1 16	9 40	0 53	18 39	0 4	21 37	0 40	20 11	1 46	11 49	0 29	17 6	0 15	17 33	5 40	23 0	22 51	24 29	11 53	0 11
T 17	20 43	10 11	3 30	22 52	1 21	9 35	1 4	18 50	0 5	21 36	0 39	20 10	1 46	11 48	0 29	17 6	0 15	17 33	5 40	22 59	22 51	24 28	11 55	0 11
W18	20 55	5 11	4 15	23 13	1 26	9 32	1 14	19 1	0 5	21 35	0 39	20 10	1 46	11 47	0 29	17 6	0 15	17 34	5 39	22 59	22 52	24 27	11 57	0 11
T 19	21 7	0n11	4 48	23 32	1 31	9 30	1 24	19 12	0 6	21 34	0 39	20 9	1 46	11 47	0 29	17 6	0 15	17 34	5 39	23 0	22 52	24 26	12 0	0 11
F 20	21 18	5 42	5 8	23 51	1 36	9 30	1 33	19 23	0 7	21 33	0 39	20 8	1 46	11 46	0 29	17 7	0 15	17 34	5 39	23 0	22 52	24 25	12 2	0 12
S 21	21 28	11 9	5 11	24 8	1 41	9 30	1 42	19 34	0 7	21 32	0 39	20 8	1 46	11 45	0 29	17 7	0 15	17 34	5 39	23 0	22 53	24 24	12 4	0 12
S 22	21 39	16 13	4 56	24 23	1 45	9 31	1 50	19 45	0 8	21 31	0 39	20 7	1 45	11 45	0 29	17 7	0 15	17 35	5 39	23 1	22 53	24 23	12 7	0 12
M23	21 49	20 31	4 22	24 38	1 49	9 33	1 58	19 55	0 9	21 30	0 39	20 6	1 45	11 44	0 29	17 7	0 16	17 35	5 39	23 1	22 53	24 22	12 9	0 13
T 24	21 58	23 34	3 29	24 51	1 53	9 35	2 6	20 6	0 9	21 29	0 39	20 6	1 45	11 43	0 29	17 7	0 16	17 35	5 39	23 2	22 54	24 21	12 11	0 13
W25	22 7	25 0	2 21	25 3	1 56	9 39	2 13	20 16	0 10	21 28	0 38	20 5	1 45	11 43	0 29	17 7	0 16	17 35	5 38	23 2	22 54	24 20	12 14	0 13
T 26	22 15	24 35	1 3	25 13	2 0	9 44	2 20	20 26	0 10	21 27	0 38	20 4	1 45	11 42	0 29	17 8	0 16	17 36	5 38	23 2	22 54	24 18	12 16	0 13
F 27	22 24	22 22	0s19	25 22	2 3	9 49	2 27	20 35	0 11	21 26	0 38	20 4	1 45	11 42	0 29	17 8	0 16	17 36	5 38	23 2	22 54	24 17	12 18	0 14
S 28	22 31	18 39	1 39	25 29	2 5	9 55	2 33	20 45	0 12	21 25	0 38	20 3	1 45	11 41	0 29	17 8	0 16	17 36	5 38	23 2	22 55	24 16	12 20	0 14
S 29	22 39	13 52	2 51	25 35	2 8	10 2	2 39	20 54	0 12	21 24	0 38	20 2	1 45	11 40	0 29	17 8	0 16	17 37	5 38	23 2	22 55	24 15	12 22	0 14
M30	22s45	8n28	3s50	25s40	2s 9	10s 9	2n44	21s 4	0s13	21n23	0s38	20n 2	1s45	11n40	0s29	17n 8	0n16	17s37	5n38	23s 2	22s55	24s14	12s24	0n15

Julian Day Number = 2183403.5, Delta T = 11m19s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'07, Lahiri = 13°37'07 Julian Calendar 1 Nov. 1265 == Greg. Calendar 8 Nov. 1265

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ASTRODIENST EPHEMERIS for the year 1265
geocentric

DECEMBER 1265 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 8 23	16♐38'30	12♍ 8	28♐49	4♏ 9	3♐46	9°R37	8°R 3	1°R41	13°R18	21♐ 5	11°R35	12♑40	4♑17	3♏20	T 1
W 2	5 12 20	17°39'38	25°27	0♑23	4°49	4°30	9♊29	7♊58	1♉39	13♘17	21° 8	11♑35	12°37	4°23	3°27	W 2
T 3	5 16 16	18°40'47	8♎26	1°57	5°31	5°13	9°21	7°53	1°38	13°17	21°10	11°34	12°34	4°30	3°34	T 3
F 4	5 20 13	19°41'57	21° 8	3°30	6°13	5°57	9°13	7°48	1°36	13°16	21°12	11°31	12°31	4°37	3°40	F 4
S 5	5 24 9	20°43'07	3♏34	5° 4	6°57	6°41	9° 5	7°43	1°35	13°15	21°14	11°28	12°28	4°43	3°47	S 5
S 6	5 28 6	21°44'18	15°49	6°36	7°41	7°25	8°58	7°39	1°34	13°14	21°16	11°25	12°25	4°50	3°54	S 6
M 7	5 32 3	22°45'30	27°54	8° 8	8°27	8° 9	8°50	7°34	1°32	13°13	21°18	11°22	12°21	4°56	4° 0	M 7
T 8	5 35 59	23°46'42	9♐51	9°40	9°14	8°53	8°42	7°29	1°31	13°12	21°21	11°19	12°18	5° 3	4° 7	T 8
W 9	5 39 56	24°47'54	21°43	11°10	10° 1	9°37	8°35	7°25	1°30	13°11	21°23	11°17	12°15	5°10	4°13	W 9
T 10	5 43 52	25°49'07	3♑32	12°40	10°50	10°21	8°27	7°20	1°29	13°10	21°25	11°16	12°12	5°16	4°20	T 10
F 11	5 47 49	26°50'20	15°18	14° 7	11°39	11° 6	8°20	7°15	1°27	13° 9	21°27	11°D16	12° 9	5°23	4°26	F 11
S 12	5 51 45	27°51'32	27° 6	15°34	12°29	11°50	8°12	7°11	1°26	13° 8	21°29	11°16	12° 5	5°30	4°32	S 12
S 13	5 55 42	28°52'45	8♒57	16°58	13°20	12°34	8° 5	7° 6	1°25	13° 7	21°32	11°18	12° 2	5°36	4°38	S 13
M14	5 59 39	29°53'58	20°55	18°20	14°12	13°18	7°58	7° 2	1°24	13° 6	21°34	11°19	11°59	5°43	4°45	M14
T 15	6 3 35	0♑55'10	3♓ 3	19°39	15° 4	14° 3	7°51	6°58	1°23	13° 5	21°36	11°20	11°56	5°50	4°51	T 15
W16	6 7 32	1°56'22	15°24	20°54	15°57	14°47	7°44	6°54	1°23	13° 4	21°38	11°21	11°53	5°56	4°56	W16
T 17	6 11 28	2°57'34	28° 5	22° 6	16°51	15°32	7°38	6°49	1°22	13° 2	21°40	11°R21	11°50	6° 3	5° 2	T 17
F 18	6 15 25	3°58'45	11♈ 7	23°13	17°45	16°16	7°31	6°45	1°21	13° 1	21°42	11°21	11°46	6°10	5° 8	F 18
S 19	6 19 21	4°59'56	24°34	24°14	18°41	17° 1	7°25	6°41	1°20	13° 0	21°45	11°21	11°43	6°16	5°14	S 19
S 20	6 23 18	6° 1'06	8♉29	25°10	19°36	17°45	7°18	6°37	1°20	12°59	21°47	11°20	11°40	6°23	5°19	S 20
M21	6 27 14	7° 2'16	22°50	25°58	20°32	18°30	7°12	6°33	1°19	12°58	21°49	11°20	11°37	6°29	5°25	M21
T 22	6 31 11	8° 3'26	7♊36	26°39	21°29	19°14	7° 6	6°29	1°18	12°56	21°51	11°19	11°34	6°36	5°30	T 22
W23	6 35 8	9° 4'35	22°39	27°10	22°27	19°59	7° 0	6°26	1°18	12°55	21°53	11°19	11°31	6°43	5°36	W23
T 24	6 39 4	10° 5'44	7♋53	27°32	23°24	20°44	6°54	6°22	1°17	12°54	21°55	11°D19	11°27	6°49	5°41	T 24
F 25	6 43 1	11° 6'52	23° 7	27°44	24°23	21°28	6°49	6°18	1°17	12°52	21°57	11°R19	11°24	6°56	5°46	F 25
S 26	6 46 57	12° 8'00	8♌12	27°R45	25°22	22°13	6°43	6°15	1°17	12°51	21°59	11°19	11°21	7° 3	5°51	S 26
S 27	6 50 54	13° 9'08	22°58	27°33	26°21	22°58	6°38	6°11	1°16	12°49	22° 2	11°19	11°18	7° 9	5°56	S 27
M28	6 54 50	14°10'15	7♍21	27°10	27°21	23°43	6°33	6° 8	1°16	12°48	22° 4	11°18	11°15	7°16	6° 1	M28
T 29	6 58 47	15°11'22	21°17	26°36	28°21	24°28	6°28	6° 5	1°16	12°47	22° 6	11°18	11°11	7°23	6° 6	T 29
W30	7 2 43	16°12'29	4♎45	25°50	29°22	25°13	6°24	6° 1	1°16	12°45	22° 8	11°18	11° 8	7°29	6°11	W30
T 31	7 6 40	17♑13'35	17♎48	24♑55	0♐23	25♐58	6♊19	5♊58	1♉15	12♘44	22♐10	11°D18	11♑ 5	7♑36	6♏16	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s52	2n48	4s35	25s43	2s11	10s17	2n50	21s13	0s14	21n22	0s38	20n 1	1s45	11n39	0s29	17n 9	0n16	17s37	5n38	23s 2	22s56	24s13	12s26	0n15
W 2	22 58	2s49	5 3	25 44	2 12	10 26	2 55	21 21	0 14	21 21	0 37	20 0	1 44	11 39	0 29	17 9	0 16	17 37	5 38	23 2	22 56	24 12	12 29	0 15
T 3	23 3	8 10	5 15	25 44	2 13	10 35	2 59	21 30	0 15	21 20	0 37	20 0	1 44	11 38	0 29	17 9	0 16	17 38	5 38	23 2	22 56	24 11	12 31	0 15
F 4	23 8	13 4	5 11	25 42	2 13	10 45	3 4	21 38	0 16	21 19	0 37	19 59	1 44	11 38	0 29	17 9	0 16	17 38	5 37	23 2	22 57	24 10	12 33	0 16
S 5	23 13	17 20	4 52	25 39	2 13	10 56	3 8	21 47	0 16	21 18	0 37	19 58	1 44	11 38	0 29	17 10	0 16	17 38	5 37	23 2	22 57	24 9	12 35	0 16
S 6	23 17	20 47	4 20	25 34	2 12	11 7	3 12	21 55	0 17	21 17	0 37	19 58	1 44	11 37	0 29	17 10	0 16	17 38	5 37	23 3	22 57	24 8	12 37	0 16
M 7	23 20	23 18	3 37	25 27	2 11	11 18	3 15	22 2	0 17	21 16	0 37	19 57	1 44	11 37	0 28	17 10	0 16	17 39	5 37	23 3	22 57	24 6	12 39	0 17
T 8	23 23	24 44	2 45	25 19	2 9	11 29	3 18	22 10	0 18	21 15	0 36	19 57	1 44	11 36	0 28	17 10	0 16	17 39	5 37	23 3	22 58	24 5	12 41	0 17
W 9	23 26	25 2	1 46	25 9	2 6	11 42	3 21	22 17	0 19	21 14	0 36	19 56	1 43	11 36	0 28	17 11	0 16	17 39	5 37	23 3	22 58	24 4	12 42	0 17
T 10	23 28	24 12	0 43	24 58	2 3	11 54	3 24	22 25	0 19	21 13	0 36	19 55	1 43	11 35	0 28	17 11	0 16	17 39	5 37	23 3	22 58	24 3	12 44	0 18
F 11	23 30	22 17	0n22	24 45	1 59	12 7	3 27	22 31	0 20	21 12	0 36	19 55	1 43	11 35	0 28	17 11	0 16	17 39	5 37	23 3	22 59	24 2	12 46	0 18
S 12	23 31	19 24	1 27	24 31	1 54	12 20	3 29	22 38	0 21	21 11	0 36	19 54	1 43	11 35	0 28	17 12	0 16	17 40	5 37	23 3	22 59	24 1	12 48	0 18
S 13	23 32	15 43	2 28	24 15	1 49	12 33	3 31	22 45	0 21	21 10	0 35	19 54	1 43	11 34	0 28	17 12	0 16	17 40	5 37	23 3	22 59	24 0	12 50	0 19
M14	23 32	11 23	3 23	23 58	1 42	12 47	3 33	22 51	0 22	21 9	0 35	19 53	1 43	11 34	0 28	17 12	0 16	17 40	5 37	23 3	23 0	23 58	12 51	0 19
T 15	23 32	6 33	4 10	23 39	1 35	13 0	3 34	22 57	0 23	21 8	0 35	19 53	1 42	11 34	0 28	17 13	0 16	17 40	5 36	23 3	23 0	23 57	12 53	0 19
W16	23 31	1 23	4 46	23 20	1 27	13 14	3 36	23 3	0 23	21 7	0 35	19 52	1 42	11 34	0 28	17 13	0 16	17 40	5 36	23 3	23 0	23 56	12 55	0 19
T 17	23 30	3n58	5 10	22 59	1 17	13 28	3 37	23 8	0 24	21 6	0 35	19 51	1 42	11 33	0 28	17 13	0 16	17 41	5 36	23 3	23 0	23 55	12 57	0 20
F 18	23 28	9 17	5 18	22 38	1 7	13 43	3 38	23 14	0 24	21 5	0 34	19 51	1 42	11 33	0 28	17 14	0 16	17 41	5 36	23 3	23 1	23 54	12 58	0 20
S 19	23 26	14 21	5 10	22 16	0 56	13 57	3 38	23 19	0 25	21 4	0 34	19 50	1 42	11 33	0 28	17 14	0 16	17 41	5 36	23 3	23 1	23 53	13 0	0 20
S 20	23 24	18 51	4 43	21 54	0 43	14 12	3 39	23 24	0 26	21 3	0 34	19 50	1 42	11 33	0 28	17 14	0 16	17 41	5 36	23 3	23 1	23 51	13 1	0 21
M21	23 21	22 24	3 58	21 31	0 30	14 26	3 39	23 28	0 26	21 3	0 34	19 49	1 41	11 32	0 28	17 15	0 16	17 41	5 36	23 3	23 1	23 50	13 3	0 21
T 22	23 17	24 34	2 57	21 9	0 15	14 41	3 39	23 33	0 27	21 2	0 34	19 49	1 41	11 32	0 28	17 15	0 16	17 42	5 36	23 3	23 2	23 49	13 4	0 21
W23	23 13	25 2	1 42	20 48	0n 1	14 55	3 39	23 37	0 28	21 1	0 33	19 49	1 41	11 32	0 28	17 16	0 16	17 42	5 36	23 3	23 2	23 48	13 6	0 22
T 24	23 9	23 37	0 19	20 27	0 17	15 10	3 39	23 41	0 28	21 0	0 33	19 48	1 41	11 32	0 28	17 16	0 16	17 42	5 36	23 3	23 2	23 46	13 7	0 22
F 25	23 4	20 28	1s 5	20 8	0 35	15 24	3 39	23 44	0 29	20 59	0 33	19 48	1 41	11 32	0 28	17 16	0 16	17 42	5 36	23 3	23 3	23 45	13 9	0 22
S 26	22 59	15 58	2 24	19 50	0 53	15 39	3 38	23 48	0 30	20 59	0 33	19 47	1 40	11 32	0 28	17 17	0 16	17 42	5 36	23 3	23 3	23 44	13 10	0 23
S 27	22 53	10 35	3 32	19 34	1 12	15 53	3 37	23 51	0 30	20 58	0 33	19 47	1 40	11 32	0 28	17 17	0 16	17 42	5 36	23 3	23 3	23 43	13 12	0 23
M28	22 47	4 45	4 24	19 20	1 31	16 8	3 36	23 54	0 31	20 57	0 32	19 47	1 40	11 32	0 28	17 18	0 16	17 43	5 36	23 3	23 3	23 42	13 13	0 23
T 29	22 40	1s 6	4 59	19 8	1 49	16 22	3 35	23 57	0 31	20 57	0 32	19 46	1 40	11 31	0 28	17 18	0 16	17 43	5 36	23 3	23 4	23 40	13 14	0 24
W30	22 33	6 44	5 16	18 58	2 8	16 36	3 34	23 59	0 32	20 56	0 32	19 46	1 40	11 31	0 28	17 19	0 16	17 43	5 36	23 3	23 4	23 39	13 15	0 24
T 31	22s25	11s52	5s16	18s51	2n25	16s50	3n33	24s 1	0s33	20n56	0s32	19n46	1s39	11n31	0s28	17n19	0n16	17s43	5n36	23s 3	23s 4	23s38	13s17	0n24

Julian Day Number = 2183433.5, Delta T = 11m19s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'11, Lahiri = 13°37'11 Julian Calendar 1 Dec. 1265 == Greg. Calendar 8 Dec. 1265

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

JANUARY 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 10 37	18♑14'41	0♏28	23°R51	1♐24	26♐43	6°R15	5°R55	1°R15	12°R42	22♐12	11♑18	11♑ 2	7♑43	6♏20	F 1
S 2	7 14 33	19°15'47	12°49	22♑40	2°26	27°28	6♊10	5♊52	1°D15	12♎41	22°14	11°18	10°59	7°49	6°25	S 2
S 3	7 18 30	20°16'52	24°56	21°26	3°28	28°13	6° 6	5°50	1♉15	12°39	22°16	11°19	10°56	7°56	6°29	S 3
M 4	7 22 26	21°17'57	6♐53	20° 9	4°31	28°58	6° 3	5°47	1°15	12°38	22°18	11°20	10°52	8° 3	6°33	M 4
T 5	7 26 23	22°19'01	18°43	18°52	5°34	29°43	5°59	5°44	1°16	12°36	22°20	11°21	10°49	8° 9	6°37	T 5
W 6	7 30 19	23°20'05	0♑30	17°38	6°37	0♑29	5°55	5°42	1°16	12°35	22°22	11°22	10°46	8°16	6°42	W 6
T 7	7 34 16	24°21'07	12°17	16°28	7°41	1°14	5°52	5°39	1°16	12°33	22°24	11°R22	10°43	8°22	6°46	T 7
F 8	7 38 12	25°22'09	24° 6	15°24	8°44	1°59	5°49	5°37	1°16	12°31	22°26	11°22	10°40	8°29	6°49	F 8
S 9	7 42 9	26°23'10	5♒59	14°28	9°49	2°45	5°46	5°35	1°17	12°30	22°27	11°21	10°37	8°36	6°53	S 9
S 10	7 46 6	27°24'10	17°58	13°40	10°53	3°30	5°44	5°33	1°17	12°28	22°29	11°19	10°33	8°42	6°57	S 10
M11	7 50 2	28°25'09	0♓ 6	13° 0	11°58	4°15	5°41	5°31	1°18	12°27	22°31	11°16	10°30	8°49	7° 0	M11
T 12	7 53 59	29°26'07	12°23	12°29	13° 2	5° 1	5°39	5°29	1°18	12°25	22°33	11°13	10°27	8°56	7° 4	T 12
W13	7 57 55	0♒27'03	24°53	12° 7	14° 8	5°46	5°37	5°27	1°19	12°23	22°35	11°10	10°24	9° 2	7° 7	W13
T 14	8 1 52	1°27'58	7♈38	11°53	15°13	6°32	5°35	5°25	1°19	12°22	22°37	11° 8	10°21	9° 9	7°11	T 14
F 15	8 5 48	2°28'52	20°39	11°D48	16°19	7°17	5°33	5°24	1°20	12°20	22°38	11° 6	10°17	9°16	7°14	F 15
S 16	8 9 45	3°29'44	3♉59	11°50	17°24	8° 3	5°32	5°22	1°21	12°18	22°40	11°D 6	10°14	9°22	7°17	S 16
S 17	8 13 41	4°30'35	17°41	12° 0	18°30	8°48	5°31	5°21	1°21	12°17	22°42	11° 6	10°11	9°29	7°20	S 17
M18	8 17 38	5°31'25	1♊45	12°16	19°37	9°34	5°30	5°20	1°22	12°15	22°44	11° 8	10° 8	9°36	7°22	M18
T 19	8 21 35	6°32'13	16°11	12°38	20°43	10°20	5°29	5°18	1°23	12°13	22°45	11° 9	10° 5	9°42	7°25	T 19
W20	8 25 31	7°32'59	0♋56	13° 6	21°50	11° 5	5°28	5°17	1°24	12°12	22°47	11°10	10° 2	9°49	7°28	W20
T 21	8 29 28	8°33'44	15°54	13°39	22°57	11°51	5°28	5°16	1°25	12°10	22°49	11°R11	9°58	9°56	7°30	T 21
F 22	8 33 24	9°34'27	0♌59	14°17	24° 4	12°37	5°28	5°16	1°26	12° 8	22°50	11° 9	9°55	10° 2	7°33	F 22
S 23	8 37 21	10°35'09	16° 2	15° 0	25°11	13°23	5°D28	5°15	1°27	12° 7	22°52	11° 7	9°52	10° 9	7°35	S 23
S 24	8 41 17	11°35'50	0♍53	15°46	26°18	14° 8	5°28	5°14	1°28	12° 5	22°54	11° 3	9°49	10°15	7°37	S 24
M25	8 45 14	12°36'29	15°24	16°36	27°26	14°54	5°28	5°14	1°30	12° 3	22°55	10°58	9°46	10°22	7°39	M25
T 26	8 49 10	13°37'06	29°30	17°30	28°33	15°40	5°29	5°14	1°31	12° 2	22°57	10°53	9°42	10°29	7°41	T 26
W27	8 53 7	14°37'43	13♎ 9	18°26	29°41	16°26	5°29	5°13	1°32	12° 0	22°58	10°49	9°39	10°35	7°43	W27
T 28	8 57 4	15°38'18	26°20	19°26	0♑49	17°12	5°30	5°13	1°33	11°58	23° 0	10°45	9°36	10°42	7°45	T 28
F 29	9 1 0	16°38'52	9♏ 5	20°28	1°58	17°58	5°32	5°D13	1°35	11°57	23° 1	10°44	9°33	10°49	7°46	F 29
S 30	9 4 57	17°39'25	21°28	21°33	3° 6	18°44	5°33	5°13	1°36	11°55	23° 3	10°D43	9°30	10°55	7°48	S 30
S 31	9 8 53	18♒39'57	3♐35	22♑40	4♑14	19♑30	5♊35	5♊14	1♉38	11♎53	23♐ 4	10♑44	9♑27	11♑ 2	7♏49	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s17	16s22	5s 1	18s46	2n41	17s 4	3n32	24s 3	0s33	20n55	0s32	19n45	1s39	11n31	0s28	17n19	0n16	17s43	5n36	23s 3	23s 4	23s36	13s18	0n25
S 2	22 9	20 3	4 31	18 44	2 56	17 18	3 30	24 5	0 34	20 55	0 31	19 45	1 39	11 31	0 28	17 20	0 16	17 43	5 36	23 3	23 5	23 35	13 19	0 25
S 3	22 0	22 48	3 51	18 44	3 8	17 32	3 28	24 6	0 35	20 54	0 31	19 45	1 39	11 32	0 28	17 20	0 16	17 43	5 36	23 3	23 5	23 34	13 20	0 25
M 4	21 50	24 30	3 0	18 45	3 18	17 45	3 26	24 7	0 35	20 54	0 31	19 44	1 38	11 32	0 28	17 21	0 16	17 43	5 36	23 3	23 5	23 33	13 21	0 26
T 5	21 41	25 5	2 3	18 48	3 26	17 58	3 24	24 8	0 36	20 53	0 31	19 44	1 38	11 32	0 28	17 21	0 16	17 44	5 36	23 3	23 6	23 31	13 22	0 26
W 6	21 31	24 32	1 0	18 53	3 31	18 11	3 22	24 9	0 37	20 53	0 31	19 44	1 38	11 32	0 28	17 22	0 16	17 44	5 36	23 3	23 6	23 30	13 23	0 26
T 7	21 20	22 53	0n 5	18 59	3 33	18 23	3 20	24 9	0 37	20 52	0 30	19 44	1 38	11 32	0 28	17 22	0 16	17 44	5 36	23 3	23 6	23 29	13 24	0 27
F 8	21 9	20 14	1 10	19 6	3 34	18 35	3 18	24 9	0 38	20 52	0 30	19 44	1 38	11 32	0 28	17 23	0 16	17 44	5 36	23 3	23 6	23 27	13 25	0 27
S 9	20 58	16 43	2 12	19 14	3 32	18 47	3 15	24 9	0 38	20 52	0 30	19 43	1 37	11 32	0 27	17 23	0 16	17 44	5 36	23 3	23 7	23 26	13 26	0 27
S 10	20 46	12 30	3 9	19 23	3 28	18 59	3 13	24 8	0 39	20 52	0 30	19 43	1 37	11 32	0 27	17 24	0 16	17 44	5 36	23 3	23 7	23 25	13 27	0 28
M11	20 34	7 46	3 58	19 32	3 23	19 10	3 10	24 8	0 40	20 51	0 29	19 43	1 37	11 33	0 27	17 24	0 16	17 44	5 36	23 3	23 7	23 24	13 28	0 28
T 12	20 21	2 40	4 37	19 42	3 16	19 21	3 8	24 7	0 40	20 51	0 29	19 43	1 37	11 33	0 27	17 24	0 16	17 44	5 36	23 4	23 7	23 22	13 29	0 28
W13	20 8	2n36	5 3	19 52	3 8	19 32	3 5	24 5	0 41	20 51	0 29	19 43	1 36	11 33	0 27	17 25	0 16	17 44	5 36	23 4	23 8	23 21	13 30	0 29
T 14	19 55	7 51	5 15	20 2	2 59	19 42	3 2	24 4	0 42	20 51	0 29	19 43	1 36	11 33	0 27	17 25	0 16	17 45	5 36	23 4	23 8	23 20	13 30	0 29
F 15	19 41	12 54	5 11	20 12	2 49	19 52	2 59	24 2	0 42	20 51	0 29	19 43	1 36	11 33	0 27	17 26	0 16	17 45	5 36	23 4	23 8	23 18	13 31	0 29
S 16	19 27	17 27	4 51	20 22	2 39	20 1	2 56	24 0	0 43	20 51	0 28	19 43	1 36	11 34	0 27	17 26	0 16	17 45	5 36	23 4	23 8	23 17	13 32	0 30
S 17	19 13	21 14	4 14	20 32	2 28	20 10	2 53	23 58	0 43	20 51	0 28	19 43	1 35	11 34	0 27	17 27	0 16	17 45	5 36	23 4	23 9	23 15	13 32	0 30
M18	18 58	23 52	3 20	20 42	2 17	20 19	2 49	23 55	0 44	20 51	0 28	19 43	1 35	11 34	0 27	17 27	0 16	17 45	5 36	23 4	23 9	23 14	13 33	0 30
T 19	18 43	25 2	2 13	20 51	2 6	20 27	2 46	23 52	0 45	20 51	0 28	19 43	1 35	11 35	0 27	17 28	0 16	17 45	5 36	23 4	23 9	23 13	13 33	0 31
W20	18 27	24 28	0 56	20 59	1 54	20 34	2 43	23 49	0 45	20 51	0 28	19 43	1 35	11 35	0 27	17 28	0 16	17 45	5 36	23 4	23 9	23 11	13 34	0 31
T 21	18 12	22 9	0s26	21 7	1 43	20 42	2 39	23 46	0 46	20 51	0 27	19 43	1 34	11 35	0 27	17 29	0 17	17 45	5 36	23 4	23 10	23 10	13 34	0 32
F 22	17 56	18 17	1 47	21 15	1 32	20 48	2 36	23 42	0 46	20 51	0 27	19 43	1 34	11 36	0 27	17 29	0 17	17 45	5 36	23 4	23 10	23 9	13 35	0 32
S 23	17 39	13 14	3 0	21 21	1 20	20 55	2 32	23 38	0 47	20 51	0 27	19 43	1 34	11 36	0 27	17 30	0 17	17 45	5 36	23 4	23 10	23 7	13 35	0 32
S 24	17 22	7 28	4 0	21 27	1 9	21 0	2 29	23 34	0 48	20 52	0 27	19 44	1 34	11 37	0 27	17 30	0 17	17 45	5 36	23 4	23 10	23 6	13 36	0 33
M25	17 5	1 26	4 42	21 32	0 58	21 5	2 25	23 30	0 48	20 52	0 26	19 44	1 33	11 37	0 27	17 31	0 17	17 45	5 36	23 5	23 10	23 4	13 36	0 33
T 26	16 48	4s29	5 7	21 36	0 48	21 10	2 21	23 25	0 49	20 52	0 26	19 44	1 33	11 38	0 27	17 31	0 17	17 45	5 36	23 5	23 11	23 3	13 36	0 33
W27	16 31	10 0	5 12	21 39	0 37	21 14	2 18	23 20	0 49	20 53	0 26	19 44	1 33	11 38	0 27	17 32	0 17	17 45	5 36	23 6	23 11	23 2	13 37	0 34
T 28	16 13	14 52	5 1	21 41	0 27	21 18	2 14	23 15	0 50	20 53	0 26	19 44	1 33	11 39	0 27	17 32	0 17	17 45	5 36	23 6	23 11	23 0	13 37	0 34
F 29	15 55	18 55	4 35	21 41	0 17	21 21	2 10	23 10	0 51	20 53	0 26	19 45	1 32	11 39	0 27	17 33	0 17	17 45	5 36	23 6	23 11	22 59	13 37	0 34
S 30	15 36	22 1	3 57	21 41	0 7	21 24	2 6	23 4	0 51	20 54	0 25	19 45	1 32	11 40	0 27	17 33	0 17	17 45	5 36	23 6	23 12	22 57	13 37	0 35
S 31	15s17	24s 3	3s 9	21s40	0s 2	21s26	2n 2	22s58	0s52	20n54	0s25	19n45	1s32	11n40	0s27	17n34	0n17	17s45	5n36	23s 6	23s12	22s56	13s37	0n35

Julian Day Number = 2183464.5, Delta T = 11m19s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'15, Lahiri = 13°37'15 Julian Calendar 1 Jan. 1266 == Greg. Calendar 8 Jan. 1266

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

FEBRUARY 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 12 50	19♒40'27	15♐29	23♑49	5♑23	20♑16	5♊36	5♊14	1♉39	11°R51	23♐ 6	10♑46	9♑23	11♑ 9	7♏51	M 1
T 2	9 16 46	20°40'56	27°17	24°59	6°32	21° 2	5°38	5°14	1°41	11♌50	23° 7	10°48	9°20	11°15	7°52	T 2
W 3	9 20 43	21°41'23	9♑ 3	26°12	7°41	21°48	5°40	5°15	1°42	11°48	23° 8	10°R48	9°17	11°22	7°53	W 3
T 4	9 24 39	22°41'49	20°51	27°27	8°50	22°34	5°43	5°16	1°44	11°47	23°10	10°48	9°14	11°29	7°54	T 4
F 5	9 28 36	23°42'14	2♒44	28°43	9°59	23°20	5°45	5°16	1°46	11°45	23°11	10°45	9°11	11°35	7°55	F 5
S 6	9 32 33	24°42'36	14°45	0♒ 1	11° 8	24° 6	5°48	5°17	1°47	11°43	23°12	10°41	9° 8	11°42	7°55	S 6
S 7	9 36 29	25°42'57	26°57	1°20	12°17	24°52	5°51	5°18	1°49	11°42	23°14	10°34	9° 4	11°48	7°56	S 7
M 8	9 40 26	26°43'17	9♓19	2°41	13°27	25°39	5°54	5°19	1°51	11°40	23°15	10°26	9° 1	11°55	7°56	M 8
T 9	9 44 22	27°43'34	21°54	4° 3	14°36	26°25	5°57	5°21	1°53	11°38	23°16	10°17	8°58	12° 2	7°57	T 9
W10	9 48 19	28°43'49	4♈40	5°27	15°46	27°11	6° 1	5°22	1°55	11°37	23°17	10° 8	8°55	12° 8	7°57	W10
T 11	9 52 15	29°44'03	17°39	6°51	16°55	27°57	6° 5	5°23	1°57	11°35	23°18	10° 0	8°52	12°15	7°57	T 11
F 12	9 56 12	0♓44'14	0♉51	8°17	18° 5	28°44	6° 8	5°25	1°59	11°34	23°19	9°54	8°48	12°22	7°R57	F 12
S 13	10 0 8	1°44'23	14°16	9°44	19°15	29°30	6°13	5°27	2° 1	11°32	23°20	9°50	8°45	12°28	7°57	S 13
S 14	10 4 5	2°44'31	27°55	11°13	20°25	0♒16	6°17	5°28	2° 3	11°30	23°21	9°D49	8°42	12°35	7°57	S 14
M15	10 8 2	3°44'36	11♊49	12°43	21°35	1° 2	6°21	5°30	2° 5	11°29	23°22	9°49	8°39	12°42	7°57	M15
T 16	10 11 58	4°44'39	25°57	14°13	22°45	1°49	6°26	5°32	2° 7	11°27	23°23	9°50	8°36	12°48	7°56	T 16
W17	10 15 55	5°44'39	10♋20	15°45	23°55	2°35	6°31	5°34	2°10	11°26	23°24	9°R50	8°33	12°55	7°56	W17
T 18	10 19 51	6°44'38	24°54	17°19	25° 6	3°21	6°35	5°37	2°12	11°24	23°25	9°49	8°29	13° 2	7°55	T 18
F 19	10 23 48	7°44'34	9♌36	18°53	26°16	4° 8	6°41	5°39	2°14	11°23	23°26	9°46	8°26	13° 8	7°54	F 19
S 20	10 27 44	8°44'28	24°18	20°28	27°26	4°54	6°46	5°41	2°17	11°21	23°27	9°40	8°23	13°15	7°53	S 20
S 21	10 31 41	9°44'20	8♍55	22° 5	28°37	5°41	6°51	5°44	2°19	11°20	23°28	9°32	8°20	13°22	7°52	S 21
M22	10 35 37	10°44'10	23°19	23°43	29°47	6°27	6°57	5°47	2°21	11°19	23°29	9°23	8°17	13°28	7°51	M22
T 23	10 39 34	11°43'58	7♎22	25°22	0♒58	7°13	7° 3	5°49	2°24	11°17	23°30	9°12	8°14	13°35	7°50	T 23
W24	10 43 31	12°43'44	21° 2	27° 2	2° 9	8° 0	7° 9	5°52	2°26	11°16	23°30	9° 2	8°10	13°41	7°49	W24
T 25	10 47 27	13°43'28	4♏16	28°43	3°19	8°46	7°15	5°55	2°29	11°14	23°31	8°54	8° 7	13°48	7°47	T 25
F 26	10 51 24	14°43'11	17° 6	0♓26	4°30	9°33	7°21	5°58	2°31	11°13	23°32	8°48	8° 4	13°55	7°46	F 26
S 27	10 55 20	15°42'52	29°33	2° 9	5°41	10°19	7°27	6° 1	2°34	11°12	23°32	8°45	8° 1	14° 1	7°44	S 27
S 28	10 59 17	16♓42'31	11♐41	3♓54	6♒52	11♒ 6	7♊34	6♊ 5	2♉37	11♌10	23♐33	8♑44	7♑58	14♑ 8	7♏43	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14s59	24s57	2s14	21s37	0s12	21s27	1n58	22s52	0s52	20n55	0s25	19n45	1s32	11n41	0s27	17n34	0n17	17s45	5n36	23s 6	23s12	22s54	13s37	0n36
T 2	14 39	24 43	1 13	21 33	0 21	21 28	1 54	22 45	0 53	20 55	0 25	19 46	1 31	11 41	0 27	17 35	0 17	17 45	5 36	23 6	23 12	22 53	13 37	0 36
W 3	14 20	23 23	0 10	21 28	0 29	21 28	1 50	22 39	0 53	20 56	0 25	19 46	1 31	11 42	0 27	17 35	0 17	17 45	5 36	23 6	23 13	22 52	13 37	0 36
T 4	14 0	21 1	0n54	21 22	0 37	21 28	1 46	22 32	0 54	20 57	0 24	19 46	1 31	11 42	0 27	17 35	0 17	17 45	5 36	23 6	23 13	22 50	13 37	0 37
F 5	13 40	17 44	1 56	21 14	0 45	21 27	1 42	22 24	0 55	20 57	0 24	19 47	1 31	11 43	0 27	17 36	0 17	17 45	5 36	23 6	23 13	22 49	13 37	0 37
S 6	13 20	13 42	2 54	21 6	0 53	21 26	1 38	22 17	0 55	20 58	0 24	19 47	1 30	11 44	0 27	17 36	0 17	17 45	5 37	23 6	23 13	22 47	13 37	0 37
S 7	13 0	9 5	3 44	20 56	1 1	21 24	1 34	22 9	0 56	20 59	0 24	19 48	1 30	11 44	0 27	17 37	0 17	17 45	5 37	23 7	23 13	22 46	13 37	0 38
M 8	12 39	4 2	4 24	20 44	1 8	21 21	1 30	22 1	0 56	20 59	0 24	19 48	1 30	11 45	0 27	17 37	0 17	17 45	5 37	23 7	23 14	22 44	13 37	0 38
T 9	12 19	1n14	4 52	20 31	1 14	21 18	1 26	21 53	0 57	21 0	0 23	19 49	1 30	11 46	0 27	17 38	0 17	17 45	5 37	23 8	23 14	22 43	13 36	0 39
W10	11 58	6 32	5 6	20 17	1 21	21 14	1 22	21 45	0 57	21 1	0 23	19 49	1 29	11 46	0 27	17 38	0 17	17 45	5 37	23 9	23 14	22 41	13 36	0 39
T 11	11 37	11 38	5 5	20 2	1 27	21 10	1 18	21 36	0 58	21 2	0 23	19 50	1 29	11 47	0 26	17 39	0 17	17 45	5 37	23 9	23 14	22 40	13 36	0 39
F 12	11 15	16 18	4 47	19 45	1 32	21 5	1 14	21 27	0 58	21 3	0 23	19 50	1 29	11 48	0 26	17 39	0 17	17 45	5 37	23 10	23 14	22 38	13 35	0 40
S 13	10 54	20 13	4 14	19 27	1 38	21 0	1 10	21 18	0 59	21 4	0 23	19 51	1 29	11 49	0 26	17 40	0 17	17 45	5 37	23 10	23 15	22 37	13 35	0 40
S 14	10 32	23 7	3 26	19 8	1 43	20 53	1 6	21 9	1 0	21 4	0 22	19 51	1 28	11 49	0 26	17 40	0 17	17 45	5 37	23 10	23 15	22 35	13 35	0 40
M15	10 10	24 41	2 25	18 47	1 47	20 47	1 2	20 59	1 0	21 5	0 22	19 52	1 28	11 50	0 26	17 40	0 17	17 45	5 37	23 10	23 15	22 34	13 34	0 41
T 16	9 49	24 42	1 14	18 24	1 52	20 39	0 58	20 49	1 1	21 6	0 22	19 52	1 28	11 51	0 26	17 41	0 17	17 45	5 37	23 10	23 15	22 32	13 34	0 41
W17	9 26	23 5	0s 3	18 1	1 56	20 32	0 54	20 39	1 1	21 7	0 22	19 53	1 28	11 52	0 26	17 41	0 17	17 45	5 37	23 10	23 16	22 31	13 33	0 42
T 18	9 4	19 55	1 20	17 36	1 59	20 23	0 50	20 29	1 2	21 8	0 22	19 54	1 27	11 52	0 26	17 42	0 17	17 45	5 37	23 10	23 16	22 29	13 33	0 42
F 19	8 42	15 28	2 32	17 9	2 2	20 14	0 46	20 18	1 2	21 9	0 22	19 54	1 27	11 53	0 26	17 42	0 17	17 45	5 37	23 10	23 16	22 28	13 32	0 42
S 20	8 19	10 6	3 35	16 42	2 5	20 4	0 42	20 8	1 3	21 11	0 21	19 55	1 27	11 54	0 26	17 43	0 17	17 45	5 37	23 11	23 16	22 26	13 31	0 43
S 21	7 57	4 12	4 22	16 12	2 7	19 54	0 38	19 57	1 3	21 12	0 21	19 56	1 27	11 55	0 26	17 43	0 17	17 45	5 38	23 11	23 16	22 25	13 31	0 43
M22	7 34	1s48	4 52	15 42	2 9	19 43	0 34	19 46	1 4	21 13	0 21	19 56	1 26	11 56	0 26	17 43	0 17	17 45	5 38	23 12	23 17	22 23	13 30	0 44
T 23	7 11	7 35	5 4	15 10	2 10	19 32	0 30	19 34	1 4	21 14	0 21	19 57	1 26	11 57	0 26	17 44	0 17	17 45	5 38	23 13	23 17	22 22	13 29	0 44
W24	6 49	12 50	4 58	14 37	2 12	19 20	0 26	19 23	1 5	21 15	0 21	19 58	1 26	11 57	0 26	17 44	0 17	17 45	5 38	23 14	23 17	22 20	13 28	0 44
T 25	6 26	17 18	4 35	14 2	2 12	19 8	0 22	19 11	1 5	21 16	0 20	19 58	1 26	11 58	0 26	17 45	0 17	17 45	5 38	23 14	23 17	22 19	13 28	0 45
F 26	6 2	20 50	3 59	13 26	2 12	18 55	0 18	18 59	1 6	21 17	0 20	19 59	1 25	11 59	0 26	17 45	0 17	17 45	5 38	23 14	23 17	22 17	13 27	0 45
S 27	5 39	23 16	3 13	12 48	2 12	18 41	0 15	18 47	1 6	21 19	0 20	20 0	1 25	12 0	0 26	17 45	0 17	17 45	5 38	23 15	23 17	22 15	13 26	0 45
S 28	5s16	24s34	2s19	12s 9	2s11	18s27	0n11	18s35	1s 7	21n20	0s20	20n 1	1s25	12n 1	0s26	17n46	0n17	17s45	5n38	23s15	23s18	22s14	13s25	0n46

Julian Day Number = 2183495.5, Delta T = 11m19s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'19, Lahiri = 13°37'20 Julian Calendar 1 Feb. 1266 == Greg. Calendar 8 Feb. 1266

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

MARCH 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 3 13	17♓42'08	23♐38	5♓40	8♒ 3	11♒52	7♊41	6♊ 8	2♉39	11°R 9	23♐34	8°D44	7♑54	14♑15	7°R41	M 1
T 2	11 7 10	18°41'44	5♑26	7°28	9°14	12°39	7°47	6°11	2°42	11♌ 8	23°34	8°R44	7°51	14°21	7♏39	T 2
W 3	11 11 6	19°41'18	17°13	9°17	10°25	13°25	7°54	6°15	2°45	11° 7	23°35	8♑44	7°48	14°28	7°37	W 3
T 4	11 15 3	20°40'50	29° 3	11° 7	11°36	14°12	8° 2	6°19	2°47	11° 5	23°35	8°42	7°45	14°35	7°35	T 4
F 5	11 19 0	21°40'20	11♒ 1	12°58	12°48	14°58	8° 9	6°22	2°50	11° 4	23°36	8°37	7°42	14°41	7°33	F 5
S 6	11 22 56	22°39'48	23°11	14°50	13°59	15°45	8°16	6°26	2°53	11° 3	23°36	8°30	7°39	14°48	7°30	S 6
S 7	11 26 53	23°39'14	5♓34	16°44	15°10	16°31	8°24	6°30	2°56	11° 2	23°36	8°21	7°35	14°55	7°28	S 7
M 8	11 30 49	24°38'38	18°12	18°39	16°22	17°18	8°32	6°34	2°59	11° 1	23°37	8° 9	7°32	15° 1	7°25	M 8
T 9	11 34 46	25°38'00	1♈ 6	20°36	17°33	18° 4	8°39	6°38	3° 2	11° 0	23°37	7°56	7°29	15° 8	7°23	T 9
W10	11 38 42	26°37'20	14°15	22°33	18°44	18°51	8°47	6°42	3° 4	10°59	23°37	7°43	7°26	15°14	7°20	W10
T 11	11 42 39	27°36'38	27°36	24°32	19°56	19°37	8°56	6°47	3° 7	10°57	23°38	7°31	7°23	15°21	7°17	T 11
F 12	11 46 35	28°35'54	11♉ 9	26°32	21° 7	20°24	9° 4	6°51	3°10	10°56	23°38	7°22	7°19	15°28	7°15	F 12
S 13	11 50 32	29°35'07	24°50	28°33	22°19	21°10	9°12	6°56	3°13	10°55	23°38	7°16	7°16	15°34	7°12	S 13
S 14	11 54 28	0♈34'18	8♊40	0♈34	23°30	21°57	9°21	7° 0	3°16	10°54	23°38	7°12	7°13	15°41	7° 9	S 14
M15	11 58 25	1°33'27	22°36	2°37	24°42	22°43	9°29	7° 5	3°19	10°53	23°38	7°11	7°10	15°48	7° 6	M15
T 16	12 2 22	2°32'33	6♋39	4°41	25°54	23°30	9°38	7° 9	3°23	10°53	23°39	7°11	7° 7	15°54	7° 2	T 16
W17	12 6 18	3°31'37	20°48	6°45	27° 5	24°16	9°47	7°14	3°26	10°52	23°39	7°11	7° 4	16° 1	6°59	W17
T 18	12 10 15	4°30'39	5♌ 2	8°49	28°17	25° 3	9°56	7°19	3°29	10°51	23°39	7° 9	7° 0	16° 8	6°56	T 18
F 19	12 14 11	5°29'38	19°18	10°54	29°29	25°49	10° 5	7°24	3°32	10°50	23°R39	7° 5	6°57	16°14	6°52	F 19
S 20	12 18 8	6°28'35	3♍35	12°58	0♓41	26°36	10°15	7°29	3°35	10°49	23°39	6°58	6°54	16°21	6°49	S 20
S 21	12 22 4	7°27'30	17°46	15° 3	1°52	27°22	10°24	7°34	3°38	10°48	23°39	6°48	6°51	16°28	6°45	S 21
M22	12 26 1	8°26'22	1♎48	17° 6	3° 4	28° 8	10°33	7°39	3°41	10°48	23°39	6°36	6°48	16°34	6°42	M22
T 23	12 29 57	9°25'13	15°34	19° 9	4°16	28°55	10°43	7°45	3°45	10°47	23°38	6°24	6°45	16°41	6°38	T 23
W24	12 33 54	10°24'01	29° 2	21°10	5°28	29°41	10°53	7°50	3°48	10°46	23°38	6°12	6°41	16°48	6°34	W24
T 25	12 37 51	11°22'48	12♏10	23° 9	6°40	0♓28	11° 3	7°55	3°51	10°46	23°38	6° 1	6°38	16°54	6°31	T 25
F 26	12 41 47	12°21'32	24°56	25° 7	7°52	1°14	11°12	8° 1	3°54	10°45	23°38	5°53	6°35	17° 1	6°27	F 26
S 27	12 45 44	13°20'15	7♐22	27° 2	9° 4	2° 1	11°22	8° 7	3°58	10°44	23°38	5°48	6°32	17° 7	6°23	S 27
S 28	12 49 40	14°18'56	19°31	28°54	10°16	2°47	11°33	8°12	4° 1	10°44	23°37	5°45	6°29	17°14	6°19	S 28
M29	12 53 37	15°17'36	1♑29	0♉44	11°28	3°33	11°43	8°18	4° 4	10°43	23°37	5°D45	6°25	17°21	6°15	M29
T 30	12 57 33	16°16'13	13°19	2°30	12°40	4°20	11°53	8°24	4° 8	10°43	23°37	5°R45	6°22	17°27	6°11	T 30
W31	13 1 30	17♈14'49	25♑ 7	4♉13	13♓52	5♓ 6	12♊ 3	8♊29	4♉11	10♌42	23♐36	5♑44	6♑19	17♑34	6♏ 7	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4s53	24s42	1s20	11s29	2s10	18s13	0n 7	18s22	1s 7	21n21	0s20	20n 2	1s25	12n 2	0s26	17n46	0n17	17s45	5n38	23s15	23s18	22s12	13s24	0n46
T 2	4 29	23 43	0 18	10 47	2 8	17 58	0 3	18 10	1 7	21 22	0 20	20 2	1 24	12 3	0 26	17 46	0 17	17 45	5 38	23 15	23 18	22 11	13 23	0 47
W 3	4 6	21 41	0n45	10 4	2 6	17 42	0s 0	17 57	1 8	21 24	0 19	20 3	1 24	12 4	0 26	17 47	0 17	17 45	5 38	23 15	23 18	22 9	13 22	0 47
T 4	3 42	18 42	1 46	9 20	2 3	17 26	0 4	17 44	1 8	21 25	0 19	20 4	1 24	12 5	0 26	17 47	0 17	17 45	5 38	23 15	23 18	22 7	13 21	0 47
F 5	3 19	14 56	2 43	8 34	2 0	17 9	0 7	17 30	1 9	21 26	0 19	20 5	1 24	12 6	0 26	17 47	0 17	17 45	5 39	23 15	23 19	22 6	13 20	0 48
S 6	2 55	10 30	3 33	7 47	1 56	16 52	0 11	17 17	1 9	21 28	0 19	20 6	1 24	12 7	0 26	17 48	0 17	17 45	5 39	23 16	23 19	22 4	13 19	0 48
S 7	2 32	5 34	4 14	6 59	1 52	16 35	0 14	17 3	1 10	21 29	0 19	20 7	1 23	12 8	0 26	17 48	0 17	17 45	5 39	23 16	23 19	22 3	13 18	0 49
M 8	2 8	0 20	4 43	6 9	1 47	16 17	0 18	16 50	1 10	21 31	0 19	20 8	1 23	12 9	0 26	17 48	0 17	17 44	5 39	23 17	23 19	22 1	13 16	0 49
T 9	1 45	5n 0	4 59	5 18	1 42	15 58	0 21	16 36	1 11	21 32	0 18	20 9	1 23	12 10	0 26	17 49	0 17	17 44	5 39	23 18	23 19	21 59	13 15	0 49
W10	1 21	10 13	4 59	4 26	1 36	15 39	0 24	16 22	1 11	21 33	0 18	20 9	1 23	12 11	0 26	17 49	0 17	17 44	5 39	23 19	23 20	21 58	13 14	0 50
T 11	0 57	15 3	4 43	3 33	1 30	15 20	0 28	16 7	1 11	21 35	0 18	20 10	1 22	12 12	0 26	17 49	0 17	17 44	5 39	23 19	23 20	21 56	13 13	0 50
F 12	0 34	19 12	4 11	2 39	1 23	15 0	0 31	15 53	1 12	21 36	0 18	20 11	1 22	12 13	0 26	17 50	0 17	17 44	5 39	23 20	23 20	21 55	13 11	0 51
S 13	0 10	22 21	3 24	1 44	1 15	14 40	0 34	15 38	1 12	21 38	0 18	20 12	1 22	12 14	0 26	17 50	0 17	17 44	5 39	23 20	23 20	21 53	13 10	0 51
S 14	0n14	24 13	2 25	0 48	1 8	14 19	0 37	15 24	1 13	21 39	0 18	20 13	1 22	12 15	0 26	17 50	0 17	17 44	5 39	23 20	23 20	21 51	13 9	0 51
M15	0 37	24 36	1 16	0n 9	0 59	13 58	0 40	15 9	1 13	21 41	0 17	20 14	1 22	12 16	0 26	17 50	0 17	17 44	5 39	23 20	23 20	21 50	13 7	0 52
T 16	1 1	23 25	0 3	1 6	0 50	13 37	0 43	14 54	1 13	21 42	0 17	20 15	1 21	12 17	0 26	17 51	0 17	17 44	5 39	23 20	23 21	21 48	13 6	0 52
W17	1 24	20 45	1s11	2 4	0 41	13 15	0 46	14 39	1 14	21 44	0 17	20 16	1 21	12 18	0 26	17 51	0 17	17 44	5 39	23 20	23 21	21 46	13 4	0 52
T 18	1 48	16 48	2 22	3 2	0 31	12 53	0 49	14 23	1 14	21 45	0 17	20 17	1 21	12 19	0 26	17 51	0 17	17 44	5 40	23 20	23 21	21 45	13 3	0 53
F 19	2 11	11 53	3 23	4 1	0 21	12 30	0 51	14 8	1 14	21 46	0 17	20 18	1 21	12 20	0 26	17 51	0 17	17 44	5 40	23 21	23 21	21 43	13 2	0 53
S 20	2 35	6 20	4 12	4 59	0 10	12 7	0 54	13 52	1 15	21 48	0 17	20 19	1 21	12 22	0 26	17 52	0 17	17 44	5 40	23 21	23 21	21 41	13 0	0 54
S 21	2 58	0 30	4 44	5 58	0n 1	11 44	0 57	13 37	1 15	21 49	0 16	20 20	1 20	12 23	0 26	17 52	0 17	17 43	5 40	23 22	23 21	21 40	12 59	0 54
M22	3 22	5s17	4 59	6 55	0 12	11 20	0 59	13 21	1 15	21 51	0 16	20 21	1 20	12 24	0 26	17 52	0 17	17 43	5 40	23 22	23 22	21 38	12 57	0 54
T 23	3 45	10 42	4 57	7 53	0 23	10 56	1 2	13 5	1 16	21 53	0 16	20 22	1 20	12 25	0 26	17 52	0 17	17 43	5 40	23 23	23 22	21 36	12 55	0 55
W24	4 8	15 29	4 37	8 49	0 34	10 32	1 4	12 49	1 16	21 54	0 16	20 23	1 20	12 26	0 26	17 52	0 17	17 43	5 40	23 23	23 22	21 35	12 54	0 55
T 25	4 31	19 24	4 3	9 44	0 46	10 8	1 6	12 33	1 16	21 56	0 16	20 25	1 20	12 27	0 26	17 53	0 17	17 43	5 40	23 24	23 22	21 33	12 52	0 55
F 26	4 54	22 17	3 18	10 38	0 57	9 43	1 9	12 16	1 17	21 57	0 16	20 26	1 19	12 28	0 26	17 53	0 17	17 43	5 40	23 24	23 22	21 31	12 51	0 56
S 27	5 17	24 0	2 24	11 31	1 8	9 18	1 11	12 0	1 17	21 59	0 16	20 27	1 19	12 29	0 26	17 53	0 17	17 43	5 40	23 24	23 22	21 30	12 49	0 56
S 28	5 40	24 32	1 25	12 22	1 19	8 52	1 13	11 43	1 17	22 0	0 15	20 28	1 19	12 30	0 26	17 53	0 17	17 43	5 40	23 25	23 23	21 28	12 47	0 57
M29	6 3	23 54	0 23	13 10	1 30	8 27	1 15	11 27	1 18	22 2	0 15	20 29	1 19	12 32	0 26	17 53	0 17	17 43	5 40	23 25	23 23	21 26	12 46	0 57
T 30	6 25	22 12	0n40	13 57	1 40	8 1	1 17	11 10	1 18	22 3	0 15	20 30	1 19	12 33	0 26	17 53	0 17	17 43	5 40	23 25	23 23	21 24	12 44	0 57
W31	6n48	19s32	1n41	14n41	1n50	7s35	1s19	10s53	1s18	22n 5	0s15	20n31	1s18	12n34	0s25	17n54	0n17	17s43	5n41	23s25	23s23	21s23	12s42	0n58

Julian Day Number = 2183523.5, Delta T = 11m18s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'23, Lahiri = 13°37'24 Julian Calendar 1 March 1266 == Greg. Calendar 8 March 1266

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

APRIL 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 5 26	18♈13'24	6♒59	5♉51	15♓ 4	5♓52	12♊14	8♊35	4♉14	10°R42	23°R36	5°R43	6♑16	17♑41	6°R 2	T 1
F 2	13 9 23	19°11'56	19° 0	7°26	16°16	6°39	12°25	8°41	4°18	10♌41	23♐36	5♑40	6°13	17°47	5♏58	F 2
S 3	13 13 20	20°10'27	1♓15	8°56	17°28	7°25	12°35	8°47	4°21	10°41	23°35	5°34	6°10	17°54	5°54	S 3
S 4	13 17 16	21° 8'56	13°46	10°22	18°40	8°11	12°46	8°53	4°25	10°41	23°35	5°25	6° 6	18° 1	5°50	S 4
M 5	13 21 13	22° 7'23	26°37	11°44	19°53	8°58	12°57	9° 0	4°28	10°40	23°34	5°14	6° 3	18° 7	5°45	M 5
T 6	13 25 9	23° 5'49	9♈47	13° 1	21° 5	9°44	13° 8	9° 6	4°31	10°40	23°34	5° 3	6° 0	18°14	5°41	T 6
W 7	13 29 6	24° 4'13	23°16	14°13	22°17	10°30	13°19	9°12	4°35	10°40	23°33	4°51	5°57	18°21	5°37	W 7
T 8	13 33 2	25° 2'34	7♉ 2	15°20	23°29	11°16	13°30	9°18	4°38	10°40	23°32	4°40	5°54	18°27	5°32	T 8
F 9	13 36 59	26° 0'55	21° 0	16°22	24°42	12° 3	13°41	9°25	4°42	10°39	23°32	4°32	5°51	18°34	5°28	F 9
S 10	13 40 55	26°59'13	5♊ 6	17°19	25°54	12°49	13°53	9°31	4°45	10°39	23°31	4°26	5°47	18°41	5°23	S 10
S 11	13 44 52	27°57'29	19°16	18°11	27° 6	13°35	14° 4	9°38	4°49	10°39	23°30	4°23	5°44	18°47	5°19	S 11
M12	13 48 49	28°55'43	3♋28	18°58	28°18	14°21	14°16	9°44	4°52	10°39	23°30	4°D22	5°41	18°54	5°14	M12
T 13	13 52 45	29°53'55	17°38	19°39	29°31	15° 7	14°27	9°51	4°55	10°39	23°29	4°23	5°38	19° 0	5°10	T 13
W14	13 56 42	0♉52'05	1♌46	20°15	0♈43	15°53	14°39	9°58	4°59	10°D39	23°28	4°R23	5°35	19° 7	5° 5	W14
T 15	14 0 38	1°50'13	15°51	20°46	1°55	16°39	14°50	10° 4	5° 2	10°39	23°28	4°22	5°31	19°14	5° 1	T 15
F 16	14 4 35	2°48'19	29°51	21°11	3° 8	17°25	15° 2	10°11	5° 6	10°39	23°27	4°19	5°28	19°20	4°56	F 16
S 17	14 8 31	3°46'23	13♍44	21°31	4°20	18°11	15°14	10°18	5° 9	10°39	23°26	4°14	5°25	19°27	4°51	S 17
S 18	14 12 28	4°44'24	27°30	21°46	5°32	18°57	15°26	10°25	5°13	10°39	23°25	4° 7	5°22	19°34	4°47	S 18
M19	14 16 24	5°42'24	11♎ 5	21°55	6°45	19°43	15°38	10°32	5°16	10°39	23°24	3°58	5°19	19°40	4°42	M19
T 20	14 20 21	6°40'23	24°27	22°R 0	7°57	20°29	15°50	10°39	5°20	10°40	23°23	3°48	5°16	19°47	4°38	T 20
W21	14 24 18	7°38'19	7♏35	21°59	9°10	21°15	16° 2	10°46	5°23	10°40	23°22	3°38	5°12	19°54	4°33	W21
T 22	14 28 14	8°36'14	20°26	21°53	10°22	22° 1	16°14	10°53	5°27	10°40	23°21	3°30	5° 9	20° 0	4°29	T 22
F 23	14 32 11	9°34'08	3♐ 1	21°42	11°35	22°46	16°26	11° 0	5°30	10°40	23°20	3°24	5° 6	20° 7	4°24	F 23
S 24	14 36 7	10°32'00	15°20	21°27	12°47	23°32	16°38	11° 7	5°34	10°41	23°19	3°20	5° 3	20°14	4°20	S 24
S 25	14 40 4	11°29'51	27°26	21° 8	14° 0	24°18	16°51	11°14	5°37	10°41	23°18	3°18	5° 0	20°20	4°15	S 25
M26	14 44 0	12°27'40	9♑22	20°46	15°12	25° 4	17° 3	11°21	5°41	10°41	23°17	3°D18	4°57	20°27	4°11	M26
T 27	14 47 57	13°25'28	21°12	20°20	16°25	25°49	17°16	11°28	5°44	10°42	23°16	3°19	4°53	20°34	4° 6	T 27
W28	14 51 53	14°23'15	3♒ 1	19°51	17°37	26°35	17°28	11°36	5°47	10°42	23°15	3°21	4°50	20°40	4° 2	W28
T 29	14 55 50	15°21'01	14°54	19°19	18°50	27°20	17°41	11°43	5°51	10°43	23°14	3°R21	4°47	20°47	3°57	T 29
F 30	14 59 47	16♉18'46	26♒56	18♉46	20♈ 2	28♓ 6	17♊53	11♊50	5♉54	10♌43	23♐13	3♑21	4♑44	20♑54	3♏53	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n10	16s 3	2n38	15n23	1n59	7s 9	1s21	10s36	1s18	22n 6	0s15	20n32	1s18	12n35	0s25	17n54	0n17	17s43	5n41	23s25	23s23	21s21	12s41	0n58
F 2	7 33	11 53	3 28	16 3	2 7	6 42	1 22	10 19	1 19	22 8	0 15	20 33	1 18	12 36	0 25	17 54	0 17	17 42	5 41	23 25	23 23	21 19	12 39	0 58
S 3	7 55	7 11	4 10	16 40	2 15	6 16	1 24	10 2	1 19	22 9	0 15	20 34	1 18	12 37	0 25	17 54	0 17	17 42	5 41	23 25	23 23	21 18	12 37	0 59
S 4	8 17	2 5	4 41	17 14	2 22	5 49	1 26	9 45	1 19	22 11	0 14	20 35	1 18	12 39	0 25	17 54	0 17	17 42	5 41	23 25	23 24	21 16	12 35	0 59
M 5	8 39	3n13	4 58	17 46	2 29	5 22	1 27	9 28	1 19	22 12	0 14	20 37	1 18	12 40	0 25	17 54	0 17	17 42	5 41	23 26	23 24	21 14	12 33	0 59
T 6	9 1	8 30	5 1	18 15	2 34	4 54	1 29	9 11	1 20	22 14	0 14	20 38	1 17	12 41	0 25	17 54	0 17	17 42	5 41	23 26	23 24	21 12	12 32	1 0
W 7	9 22	13 31	4 47	18 42	2 39	4 27	1 30	8 53	1 20	22 15	0 14	20 39	1 17	12 42	0 25	17 54	0 17	17 42	5 41	23 27	23 24	21 11	12 30	1 0
T 8	9 44	17 56	4 16	19 5	2 43	3 59	1 31	8 36	1 20	22 17	0 14	20 40	1 17	12 43	0 25	17 54	0 17	17 42	5 41	23 27	23 24	21 9	12 28	1 1
F 9	10 5	21 26	3 29	19 26	2 45	3 32	1 32	8 18	1 20	22 18	0 14	20 41	1 17	12 44	0 25	17 54	0 17	17 42	5 41	23 27	23 24	21 7	12 26	1 1
S 10	10 26	23 41	2 29	19 44	2 47	3 4	1 34	8 1	1 20	22 20	0 14	20 42	1 17	12 46	0 25	17 54	0 17	17 42	5 41	23 28	23 24	21 5	12 24	1 1
S 11	10 47	24 25	1 20	20 0	2 48	2 36	1 35	7 43	1 21	22 21	0 14	20 43	1 17	12 47	0 25	17 54	0 17	17 42	5 41	23 28	23 25	21 4	12 23	1 2
M12	11 8	23 34	0 5	20 13	2 48	2 8	1 36	7 25	1 21	22 23	0 13	20 44	1 16	12 48	0 25	17 54	0 17	17 42	5 41	23 28	23 25	21 2	12 21	1 2
T 13	11 29	21 12	1s10	20 23	2 46	1 40	1 37	7 8	1 21	22 24	0 13	20 46	1 16	12 49	0 25	17 54	0 17	17 41	5 41	23 28	23 25	21 0	12 19	1 2
W14	11 49	17 33	2 21	20 30	2 44	1 12	1 37	6 50	1 21	22 26	0 13	20 47	1 16	12 50	0 25	17 54	0 17	17 41	5 41	23 28	23 25	20 58	12 17	1 3
T 15	12 10	12 56	3 22	20 35	2 40	0 44	1 38	6 32	1 21	22 27	0 13	20 48	1 16	12 51	0 25	17 54	0 17	17 41	5 41	23 28	23 25	20 56	12 15	1 3
F 16	12 30	7 39	4 12	20 37	2 35	0 16	1 39	6 14	1 21	22 29	0 13	20 49	1 16	12 53	0 25	17 54	0 17	17 41	5 41	23 28	23 25	20 55	12 14	1 3
S 17	12 49	2 2	4 46	20 37	2 29	0n13	1 39	5 56	1 21	22 30	0 13	20 50	1 16	12 54	0 25	17 54	0 17	17 41	5 42	23 28	23 25	20 53	12 12	1 4
S 18	13 9	3s37	5 3	20 34	2 22	0 41	1 40	5 38	1 22	22 32	0 13	20 51	1 15	12 55	0 25	17 54	0 17	17 41	5 42	23 28	23 26	20 51	12 10	1 4
M19	13 29	9 2	5 2	20 28	2 14	1 9	1 40	5 20	1 22	22 33	0 13	20 52	1 15	12 56	0 25	17 54	0 17	17 41	5 42	23 29	23 26	20 49	12 8	1 4
T 20	13 48	13 56	4 45	20 20	2 4	1 38	1 41	5 2	1 22	22 34	0 12	20 54	1 15	12 57	0 25	17 54	0 17	17 41	5 42	23 29	23 26	20 47	12 6	1 5
W21	14 7	18 5	4 13	20 10	1 53	2 6	1 41	4 44	1 22	22 36	0 12	20 55	1 15	12 58	0 25	17 54	0 17	17 41	5 42	23 29	23 26	20 46	12 4	1 5
T 22	14 26	21 17	3 29	19 57	1 42	2 34	1 41	4 26	1 22	22 37	0 12	20 56	1 15	13 0	0 25	17 54	0 17	17 41	5 42	23 29	23 26	20 44	12 3	1 5
F 23	14 44	23 23	2 35	19 42	1 29	3 3	1 41	4 8	1 22	22 38	0 12	20 57	1 15	13 1	0 25	17 54	0 17	17 41	5 42	23 29	23 26	20 42	12 1	1 5
S 24	15 2	24 18	1 35	19 24	1 15	3 31	1 41	3 50	1 22	22 40	0 12	20 58	1 15	13 2	0 25	17 54	0 17	17 41	5 42	23 30	23 26	20 40	11 59	1 6
S 25	15 20	24 2	0 32	19 5	1 1	3 59	1 41	3 32	1 22	22 41	0 12	20 59	1 14	13 3	0 25	17 54	0 17	17 41	5 42	23 30	23 26	20 38	11 57	1 6
M26	15 38	22 40	0n33	18 44	0 45	4 27	1 41	3 14	1 22	22 43	0 12	21 0	1 14	13 4	0 25	17 54	0 17	17 40	5 42	23 30	23 27	20 36	11 55	1 6
T 27	15 56	20 17	1 35	18 22	0 29	4 56	1 41	2 56	1 22	22 44	0 12	21 1	1 14	13 5	0 25	17 54	0 17	17 40	5 42	23 30	23 27	20 35	11 54	1 7
W28	16 13	17 4	2 33	17 58	0 12	5 24	1 41	2 37	1 22	22 45	0 11	21 3	1 14	13 6	0 25	17 54	0 17	17 40	5 42	23 30	23 27	20 33	11 52	1 7
T 29	16 30	13 9	3 26	17 33	0s 5	5 52	1 40	2 19	1 22	22 46	0 11	21 4	1 14	13 8	0 25	17 54	0 17	17 40	5 42	23 30	23 27	20 31	11 50	1 7
F 30	16n47	8s41	4n 9	17n 7	0s22	6n19	1s40	2s 1	1s22	22n48	0s11	21n 5	1s14	13n 9	0s25	17n53	0n17	17s40	5n42	23s30	23s27	20s29	11s48	1n 8

Julian Day Number = 2183554.5, Delta T = 11m18s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'27, Lahiri = 13°37'28 Julian Calendar 1 Apr. 1266 == Greg. Calendar 8 Apr. 1266

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

MAY 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 3 43	17♉16'29	9♓11	18°R12	21♈15	28♓51	18♊ 6	11♊58	5♉58	10♌44	23°R12	3°R18	4♑41	21♑ 0	3°R49	S 1
S 2	15 7 40	18°14'11	21°46	17♉38	22°27	29°37	18°19	12° 5	6° 1	10°44	23♐10	3♑14	4°37	21° 7	3♏44	S 2
M 3	15 11 36	19°11'52	4♈42	17° 3	23°40	0♈22	18°31	12°12	6° 5	10°45	23° 9	3° 8	4°34	21°13	3°40	M 3
T 4	15 15 33	20° 9'32	18° 1	16°29	24°53	1° 8	18°44	12°20	6° 8	10°45	23° 8	3° 1	4°31	21°20	3°36	T 4
W 5	15 19 29	21° 7'11	1♉43	15°56	26° 5	1°53	18°57	12°27	6°11	10°46	23° 7	2°55	4°28	21°27	3°32	W 5
T 6	15 23 26	22° 4'49	15°47	15°25	27°18	2°38	19°10	12°35	6°15	10°47	23° 6	2°48	4°25	21°33	3°28	T 6
F 7	15 27 22	23° 2'26	0♊ 6	14°56	28°31	3°24	19°23	12°42	6°18	10°48	23° 4	2°43	4°22	21°40	3°23	F 7
S 8	15 31 19	24° 0'01	14°37	14°30	29°43	4° 9	19°36	12°50	6°21	10°48	23° 3	2°40	4°18	21°47	3°19	S 8
S 9	15 35 16	24°57'36	29°13	14° 8	0♉56	4°54	19°49	12°58	6°25	10°49	23° 2	2°D39	4°15	21°53	3°15	S 9
M10	15 39 12	25°55'08	13♋48	13°48	2° 9	5°39	20° 2	13° 5	6°28	10°50	23° 0	2°40	4°12	22° 0	3°11	M10
T 11	15 43 9	26°52'40	28°16	13°33	3°21	6°24	20°15	13°13	6°31	10°51	22°59	2°41	4° 9	22° 7	3° 8	T 11
W12	15 47 5	27°50'10	12♌35	13°21	4°34	7° 9	20°28	13°20	6°35	10°52	22°58	2°42	4° 6	22°13	3° 4	W12
T 13	15 51 2	28°47'39	26°43	13°14	5°47	7°54	20°41	13°28	6°38	10°53	22°56	2°R43	4° 2	22°20	3° 0	T 13
F 14	15 54 58	29°45'06	10♍37	13°D11	7° 0	8°39	20°54	13°36	6°41	10°54	22°55	2°42	3°59	22°27	2°56	F 14
S 15	15 58 55	0♊42'32	24°17	13°12	8°12	9°24	21° 7	13°43	6°44	10°54	22°54	2°40	3°56	22°33	2°53	S 15
S 16	16 2 51	1°39'56	7♎44	13°18	9°25	10° 9	21°21	13°51	6°48	10°55	22°52	2°37	3°53	22°40	2°49	S 16
M17	16 6 48	2°37'20	20°56	13°28	10°38	10°53	21°34	13°59	6°51	10°57	22°51	2°33	3°50	22°47	2°45	M17
T 18	16 10 45	3°34'42	3♏55	13°43	11°51	11°38	21°47	14° 7	6°54	10°58	22°49	2°28	3°47	22°53	2°42	T 18
W19	16 14 41	4°32'04	16°41	14° 3	13° 4	12°23	22° 0	14°14	6°57	10°59	22°48	2°24	3°43	23° 0	2°39	W19
T 20	16 18 38	5°29'24	29°13	14°26	14°16	13° 7	22°14	14°22	7° 0	11° 0	22°46	2°20	3°40	23° 7	2°35	T 20
F 21	16 22 34	6°26'44	11♐33	14°54	15°29	13°52	22°27	14°30	7° 4	11° 1	22°45	2°18	3°37	23°13	2°32	F 21
S 22	16 26 31	7°24'03	23°42	15°27	16°42	14°36	22°41	14°38	7° 7	11° 2	22°43	2°16	3°34	23°20	2°29	S 22
S 23	16 30 27	8°21'21	5♑41	16° 3	17°55	15°20	22°54	14°46	7°10	11° 3	22°42	2°D16	3°31	23°27	2°26	S 23
M24	16 34 24	9°18'38	17°34	16°44	19° 8	16° 5	23° 7	14°53	7°13	11° 5	22°40	2°17	3°28	23°33	2°23	M24
T 25	16 38 20	10°15'55	29°22	17°28	20°21	16°49	23°21	15° 1	7°16	11° 6	22°39	2°18	3°24	23°40	2°20	T 25
W26	16 42 17	11°13'12	11♒11	18°17	21°34	17°33	23°34	15° 9	7°19	11° 7	22°38	2°20	3°21	23°46	2°17	W26
T 27	16 46 14	12°10'28	23° 4	19° 9	22°46	18°18	23°48	15°17	7°22	11° 8	22°36	2°21	3°18	23°53	2°14	T 27
F 28	16 50 10	13° 7'43	5♓ 6	20° 6	23°59	19° 2	24° 1	15°25	7°25	11°10	22°34	2°22	3°15	24° 0	2°11	F 28
S 29	16 54 7	14° 4'59	17°21	21° 6	25°12	19°46	24°15	15°33	7°28	11°11	22°33	2°R22	3°12	24° 6	2° 9	S 29
S 30	16 58 3	15° 2'14	29°54	22° 9	26°25	20°30	24°28	15°40	7°31	11°12	22°31	2°22	3° 8	24°13	2° 6	S 30
M31	17 2 0	15♊59'28	12♈48	23♉16	27♉38	21♈14	24♊42	15♊48	7♉34	11♌14	22♐30	2♑20	3♑ 5	24♑20	2♏ 4	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 3	3s48	4n42	16n41	0s40	6n47	1s39	1s43	1s22	22n49	0s11	21n 6	1s14	13n10	0s25	17n53	0n17	17s40	5n42	23s30	23s27	20s27	11s46	1n 8
S 2	17 20	1n22	5 3	16 15	0 57	7 15	1 39	1 25	1 22	22 50	0 11	21 7	1 13	13 11	0 25	17 53	0 17	17 40	5 42	23 30	23 27	20 25	11 45	1 8
M 3	17 36	6 36	5 9	15 48	1 14	7 42	1 38	1 7	1 22	22 51	0 11	21 8	1 13	13 12	0 25	17 53	0 17	17 40	5 42	23 30	23 27	20 24	11 43	1 8
T 4	17 51	11 41	4 59	15 23	1 31	8 10	1 37	0 48	1 22	22 53	0 11	21 9	1 13	13 13	0 25	17 53	0 17	17 40	5 42	23 30	23 27	20 22	11 41	1 9
W 5	18 7	16 21	4 31	14 58	1 47	8 37	1 37	0 30	1 22	22 54	0 11	21 10	1 13	13 14	0 25	17 53	0 17	17 40	5 42	23 30	23 28	20 20	11 40	1 9
T 6	18 22	20 15	3 47	14 34	2 3	9 4	1 36	0 12	1 22	22 55	0 10	21 11	1 13	13 16	0 25	17 52	0 17	17 40	5 42	23 30	23 28	20 18	11 38	1 9
F 7	18 36	22 59	2 48	14 11	2 18	9 30	1 35	0n 6	1 22	22 56	0 10	21 12	1 13	13 17	0 25	17 52	0 17	17 40	5 42	23 30	23 28	20 16	11 36	1 10
S 8	18 51	24 15	1 37	13 50	2 32	9 57	1 34	0 24	1 22	22 57	0 10	21 13	1 13	13 18	0 25	17 52	0 17	17 40	5 42	23 30	23 28	20 14	11 35	1 10
S 9	19 5	23 51	0 19	13 31	2 45	10 23	1 33	0 42	1 22	22 58	0 10	21 15	1 13	13 19	0 25	17 52	0 17	17 40	5 42	23 30	23 28	20 12	11 33	1 10
M10	19 19	21 49	1s 0	13 14	2 57	10 50	1 32	1 0	1 22	22 59	0 10	21 16	1 13	13 20	0 25	17 52	0 17	17 40	5 42	23 30	23 28	20 10	11 31	1 10
T 11	19 32	18 23	2 15	12 59	3 7	11 16	1 31	1 18	1 22	23 1	0 10	21 17	1 12	13 21	0 25	17 51	0 17	17 40	5 42	23 30	23 28	20 8	11 30	1 11
W12	19 45	13 53	3 21	12 46	3 17	11 41	1 30	1 36	1 22	23 2	0 10	21 18	1 12	13 22	0 25	17 51	0 17	17 39	5 42	23 30	23 28	20 7	11 28	1 11
T 13	19 58	8 41	4 13	12 36	3 26	12 7	1 28	1 54	1 22	23 3	0 10	21 19	1 12	13 23	0 25	17 51	0 17	17 39	5 42	23 30	23 28	20 5	11 27	1 11
F 14	20 11	3 9	4 50	12 28	3 33	12 32	1 27	2 12	1 22	23 4	0 10	21 20	1 12	13 24	0 25	17 51	0 17	17 39	5 42	23 30	23 28	20 3	11 25	1 11
S 15	20 23	2s27	5 9	12 23	3 39	12 57	1 26	2 29	1 22	23 5	0 10	21 21	1 12	13 25	0 25	17 50	0 17	17 39	5 42	23 30	23 29	20 1	11 24	1 12
S 16	20 35	7 50	5 11	12 20	3 44	13 21	1 24	2 47	1 21	23 6	0 9	21 22	1 12	13 26	0 25	17 50	0 17	17 39	5 42	23 31	23 29	19 59	11 22	1 12
M17	20 46	12 47	4 57	12 19	3 48	13 46	1 23	3 5	1 21	23 7	0 9	21 23	1 12	13 27	0 25	17 50	0 17	17 39	5 42	23 31	23 29	19 57	11 21	1 12
T 18	20 57	17 3	4 27	12 21	3 51	14 10	1 21	3 22	1 21	23 8	0 9	21 24	1 12	13 29	0 25	17 49	0 17	17 39	5 42	23 31	23 29	19 55	11 19	1 12
W19	21 8	20 28	3 45	12 25	3 53	14 33	1 20	3 40	1 21	23 8	0 9	21 25	1 12	13 30	0 25	17 49	0 17	17 39	5 42	23 31	23 29	19 53	11 18	1 13
T 20	21 18	22 51	2 52	12 31	3 54	14 57	1 18	3 58	1 21	23 9	0 9	21 26	1 12	13 31	0 25	17 49	0 17	17 39	5 42	23 31	23 29	19 51	11 17	1 13
F 21	21 28	24 6	1 52	12 39	3 53	15 20	1 16	4 15	1 21	23 10	0 9	21 27	1 11	13 32	0 25	17 49	0 17	17 39	5 41	23 31	23 29	19 49	11 15	1 13
S 22	21 38	24 10	0 47	12 50	3 52	15 42	1 15	4 33	1 20	23 11	0 9	21 28	1 11	13 33	0 25	17 48	0 17	17 39	5 41	23 31	23 29	19 47	11 14	1 13
S 23	21 47	23 6	0n19	13 2	3 50	16 4	1 13	4 50	1 20	23 12	0 9	21 29	1 11	13 34	0 25	17 48	0 17	17 39	5 41	23 31	23 29	19 45	11 13	1 14
M24	21 56	21 0	1 23	13 16	3 47	16 26	1 11	5 7	1 20	23 13	0 9	21 30	1 11	13 35	0 25	17 48	0 17	17 39	5 41	23 31	23 29	19 44	11 12	1 14
T 25	22 5	18 1	2 24	13 32	3 43	16 48	1 9	5 24	1 20	23 14	0 8	21 31	1 11	13 36	0 25	17 47	0 17	17 39	5 41	23 31	23 29	19 42	11 10	1 14
W26	22 13	14 18	3 19	13 50	3 39	17 9	1 7	5 42	1 20	23 14	0 8	21 32	1 11	13 37	0 25	17 47	0 17	17 39	5 41	23 31	23 30	19 40	11 9	1 14
T 27	22 21	10 1	4 5	14 9	3 34	17 29	1 5	5 59	1 19	23 15	0 8	21 33	1 11	13 38	0 25	17 46	0 17	17 39	5 41	23 31	23 30	19 38	11 8	1 14
F 28	22 28	5 19	4 41	14 30	3 28	17 49	1 3	6 16	1 19	23 16	0 8	21 34	1 11	13 39	0 25	17 46	0 17	17 39	5 41	23 31	23 30	19 36	11 7	1 15
S 29	22 35	0 20	5 5	14 52	3 21	18 9	1 1	6 33	1 19	23 17	0 8	21 34	1 11	13 40	0 25	17 46	0 17	17 39	5 41	23 31	23 30	19 34	11 6	1 15
S 30	22 41	4n47	5 16	15 16	3 14	18 28	0 59	6 49	1 18	23 17	0 8	21 35	1 11	13 40	0 25	17 45	0 17	17 39	5 41	23 31	23 30	19 32	11 5	1 15
M31	22n48	9n51	5n11	15n40	3s 6	18n47	0s57	7n 6	1s18	23n18	0s 8	21n36	1s11	13n41	0s25	17n45	0n17	17s39	5n41	23s31	23s30	19s30	11s 4	1n15

Julian Day Number = 2183584.5, Delta T = 11m18s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'31, Lahiri = 13°37'32 Julian Calendar 1 May 1266 == Greg. Calendar 8 May 1266

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

JUNE 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 5 56	16♊56'43	26♈ 8	24♉27	28♉51	21♈57	24♊56	15♊56	7♉37	11♘15	22°R28	2°R18	3♑ 2	24♑26	2°R 2	T 1
W 2	17 9 53	17°53'57	9♉53	25°41	0♊ 4	22°41	25° 9	16° 4	7°39	11°17	22♐27	2♑17	2°59	24°33	1♏59	W 2
T 3	17 13 49	18°51'11	24° 3	26°59	1°18	23°25	25°23	16°12	7°42	11°18	22°25	2°15	2°56	24°40	1°57	T 3
F 4	17 17 46	19°48'25	8♊35	28°20	2°31	24° 9	25°36	16°20	7°45	11°20	22°24	2°14	2°53	24°46	1°55	F 4
S 5	17 21 43	20°45'39	23°23	29°44	3°44	24°52	25°50	16°27	7°48	11°21	22°22	2°13	2°49	24°53	1°53	S 5
S 6	17 25 39	21°42'52	8♋20	1♊12	4°57	25°36	26° 4	16°35	7°51	11°23	22°21	2°D13	2°46	25° 0	1°51	S 6
M 7	17 29 36	22°40'05	23°17	2°43	6°10	26°19	26°17	16°43	7°53	11°24	22°19	2°13	2°43	25° 6	1°50	M 7
T 8	17 33 32	23°37'18	8♌ 8	4°17	7°23	27° 2	26°31	16°51	7°56	11°26	22°18	2°14	2°40	25°13	1°48	T 8
W 9	17 37 29	24°34'30	22°45	5°55	8°36	27°46	26°44	16°59	7°59	11°28	22°16	2°15	2°37	25°20	1°46	W 9
T 10	17 41 25	25°31'41	7♍ 4	7°35	9°49	28°29	26°58	17° 7	8° 1	11°29	22°14	2°15	2°34	25°26	1°45	T 10
F 11	17 45 22	26°28'52	21° 2	9°19	11° 3	29°12	27°12	17°14	8° 4	11°31	22°13	2°R15	2°30	25°33	1°43	F 11
S 12	17 49 18	27°26'02	4♎40	11° 6	12°16	29°55	27°25	17°22	8° 6	11°33	22°11	2°15	2°27	25°40	1°42	S 12
S 13	17 53 15	28°23'12	17°57	12°56	13°29	0♉38	27°39	17°30	8° 9	11°34	22°10	2°15	2°24	25°46	1°41	S 13
M14	17 57 12	29°20'22	0♏55	14°48	14°42	1°21	27°52	17°38	8°11	11°36	22° 8	2°15	2°21	25°53	1°40	M14
T 15	18 1 8	0♋17'32	13°37	16°43	15°55	2° 4	28° 6	17°45	8°14	11°38	22° 7	2°15	2°18	26° 0	1°39	T 15
W16	18 5 5	1°14'41	26° 5	18°41	17° 9	2°46	28°20	17°53	8°16	11°40	22° 5	2°15	2°14	26° 6	1°38	W16
T 17	18 9 1	2°11'50	8♐21	20°41	18°22	3°29	28°33	18° 1	8°18	11°41	22° 4	2°D14	2°11	26°13	1°37	T 17
F 18	18 12 58	3° 8'59	20°27	22°43	19°35	4°12	28°47	18° 8	8°21	11°43	22° 2	2°14	2° 8	26°20	1°37	F 18
S 19	18 16 54	4° 6'09	2♑25	24°47	20°49	4°54	29° 0	18°16	8°23	11°45	22° 1	2°R15	2° 5	26°26	1°36	S 19
S 20	18 20 51	5° 3'18	14°18	26°53	22° 2	5°37	29°14	18°24	8°25	11°47	21°59	2°14	2° 2	26°33	1°36	S 20
M21	18 24 48	6° 0'28	26° 7	29° 0	23°15	6°19	29°28	18°31	8°28	11°49	21°58	2°14	1°59	26°40	1°35	M21
T 22	18 28 44	6°57'37	7♒56	1♋ 8	24°29	7° 1	29°41	18°39	8°30	11°51	21°56	2°14	1°55	26°46	1°35	T 22
W23	18 32 41	7°54'48	19°46	3°16	25°42	7°43	29°55	18°46	8°32	11°53	21°55	2°13	1°52	26°53	1°35	W23
T 24	18 36 37	8°51'58	1♓41	5°25	26°56	8°25	0♋ 8	18°54	8°34	11°55	21°53	2°12	1°49	27° 0	1°D35	T 24
F 25	18 40 34	9°49'09	13°44	7°35	28° 9	9° 7	0°22	19° 2	8°36	11°56	21°52	2°11	1°46	27° 6	1°35	F 25
S 26	18 44 30	10°46'21	25°59	9°44	29°23	9°49	0°35	19° 9	8°38	11°58	21°50	2°11	1°43	27°13	1°35	S 26
S 27	18 48 27	11°43'33	8♈30	11°52	0♋36	10°31	0°49	19°17	8°40	12° 0	21°49	2°D10	1°40	27°20	1°35	S 27
M28	18 52 23	12°40'46	21°21	14° 1	1°50	11°13	1° 2	19°24	8°42	12° 2	21°48	2°11	1°36	27°26	1°36	M28
T 29	18 56 20	13°37'59	4♉35	16° 8	3° 3	11°54	1°16	19°31	8°44	12° 4	21°46	2°11	1°33	27°33	1°36	T 29
W30	19 0 17	14♋35'14	18♉14	18♋14	4♋17	12♉36	1♋29	19♊39	8♉46	12♘ 6	21♐45	2♑12	1♑30	27♑40	1♏37	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n53	14n37	4n49	16n 6	2s57	19n 5	0s55	7n23	1s18	23n18	0s 8	21n37	1s10	13n42	0s25	17n45	0n17	17s39	5n41	23s31	23s30	19s28	11s 3	1n16
W 2	22 59	18 48	4 11	16 32	2 48	19 23	0 53	7 39	1 18	23 19	0 8	21 38	1 10	13 43	0 25	17 44	0 17	17 39	5 41	23 31	23 30	19 26	11 2	1 16
T 3	23 4	22 1	3 16	16 59	2 39	19 41	0 51	7 56	1 17	23 20	0 8	21 39	1 10	13 44	0 25	17 44	0 17	17 39	5 41	23 31	23 30	19 24	11 1	1 16
F 4	23 8	23 55	2 7	17 27	2 29	19 57	0 48	8 12	1 17	23 20	0 7	21 40	1 10	13 45	0 25	17 43	0 17	17 39	5 40	23 31	23 30	19 22	11 0	1 16
S 5	23 13	24 11	0 49	17 55	2 18	20 14	0 46	8 29	1 17	23 21	0 7	21 41	1 10	13 46	0 25	17 43	0 17	17 39	5 40	23 31	23 30	19 20	10 59	1 16
S 6	23 16	22 42	0s34	18 24	2 8	20 29	0 44	8 45	1 16	23 21	0 7	21 42	1 10	13 47	0 25	17 43	0 17	17 39	5 40	23 31	23 30	19 18	10 58	1 17
M 7	23 20	19 38	1 54	18 53	1 57	20 45	0 41	9 1	1 16	23 22	0 7	21 42	1 10	13 48	0 25	17 42	0 17	17 39	5 40	23 31	23 30	19 16	10 57	1 17
T 8	23 23	15 18	3 6	19 22	1 45	20 59	0 39	9 17	1 16	23 22	0 7	21 43	1 10	13 49	0 25	17 42	0 17	17 39	5 40	23 31	23 30	19 14	10 57	1 17
W 9	23 25	10 7	4 5	19 51	1 34	21 13	0 37	9 33	1 15	23 23	0 7	21 44	1 10	13 49	0 25	17 41	0 17	17 39	5 40	23 31	23 31	19 12	10 56	1 17
T 10	23 27	4 30	4 47	20 19	1 22	21 27	0 34	9 49	1 15	23 23	0 7	21 45	1 10	13 50	0 25	17 41	0 17	17 39	5 40	23 31	23 31	19 10	10 55	1 17
F 11	23 29	1s12	5 11	20 47	1 10	21 40	0 32	10 4	1 15	23 24	0 7	21 46	1 10	13 51	0 25	17 40	0 17	17 39	5 40	23 31	23 31	19 8	10 55	1 17
S 12	23 31	6 42	5 17	21 14	0 58	21 52	0 30	10 20	1 14	23 24	0 7	21 46	1 10	13 52	0 25	17 40	0 17	17 39	5 40	23 31	23 31	19 6	10 54	1 18
S 13	23 31	11 46	5 6	21 41	0 46	22 4	0 27	10 35	1 14	23 24	0 7	21 47	1 10	13 53	0 25	17 39	0 17	17 39	5 39	23 31	23 31	19 4	10 53	1 18
M14	23 32	16 11	4 39	22 6	0 34	22 15	0 25	10 51	1 13	23 25	0 6	21 48	1 10	13 54	0 25	17 39	0 17	17 39	5 39	23 31	23 31	19 2	10 53	1 18
T 15	23 32	19 47	3 59	22 30	0 22	22 25	0 22	11 6	1 13	23 25	0 6	21 49	1 10	13 54	0 25	17 38	0 17	17 39	5 39	23 31	23 31	19 0	10 52	1 18
W16	23 32	22 23	3 8	22 53	0 10	22 35	0 20	11 21	1 13	23 25	0 6	21 50	1 10	13 55	0 25	17 38	0 17	17 39	5 39	23 31	23 31	18 58	10 52	1 18
T 17	23 31	23 54	2 9	23 13	0n 1	22 44	0 17	11 36	1 12	23 25	0 6	21 50	1 10	13 56	0 25	17 37	0 17	17 39	5 39	23 31	23 31	18 56	10 51	1 19
F 18	23 30	24 16	1 5	23 32	0 12	22 53	0 15	11 51	1 12	23 26	0 6	21 51	1 9	13 57	0 25	17 37	0 17	17 39	5 39	23 31	23 31	18 54	10 51	1 19
S 19	23 28	23 30	0n 1	23 49	0 23	23 0	0 13	12 5	1 11	23 26	0 6	21 52	1 9	13 57	0 25	17 36	0 17	17 39	5 39	23 31	23 31	18 52	10 51	1 19
S 20	23 26	21 40	1 6	24 3	0 33	23 8	0 10	12 20	1 11	23 26	0 6	21 52	1 9	13 58	0 25	17 36	0 17	17 40	5 39	23 31	23 31	18 50	10 50	1 19
M21	23 24	18 54	2 9	24 15	0 43	23 14	0 8	12 34	1 10	23 26	0 6	21 53	1 9	13 59	0 25	17 35	0 17	17 40	5 38	23 31	23 31	18 48	10 50	1 19
T 22	23 21	15 22	3 6	24 24	0 52	23 20	0 5	12 49	1 10	23 26	0 6	21 54	1 9	13 59	0 25	17 35	0 17	17 40	5 38	23 31	23 31	18 46	10 50	1 19
W23	23 18	11 14	3 54	24 31	1 1	23 25	0 3	13 3	1 9	23 27	0 6	21 54	1 9	14 0	0 25	17 34	0 17	17 40	5 38	23 31	23 31	18 43	10 50	1 20
T 24	23 14	6 39	4 33	24 34	1 9	23 30	0 0	13 17	1 9	23 27	0 5	21 55	1 9	14 1	0 25	17 34	0 17	17 40	5 38	23 31	23 31	18 41	10 49	1 20
F 25	23 10	1 47	5 1	24 35	1 16	23 34	0n 2	13 31	1 8	23 27	0 5	21 56	1 9	14 1	0 25	17 33	0 17	17 40	5 38	23 31	23 31	18 39	10 49	1 20
S 26	23 6	3n13	5 15	24 33	1 23	23 37	0 5	13 45	1 8	23 27	0 5	21 56	1 9	14 2	0 25	17 33	0 17	17 40	5 38	23 31	23 31	18 37	10 49	1 20
S 27	23 1	8 12	5 15	24 29	1 29	23 39	0 7	13 58	1 7	23 27	0 5	21 57	1 9	14 3	0 26	17 32	0 17	17 40	5 37	23 31	23 31	18 35	10 49	1 20
M28	22 56	12 59	5 0	24 21	1 34	23 41	0 10	14 12	1 7	23 27	0 5	21 58	1 9	14 3	0 26	17 32	0 17	17 40	5 37	23 31	23 31	18 33	10 49	1 20
T 29	22 50	17 18	4 28	24 11	1 38	23 42	0 12	14 25	1 6	23 27	0 5	21 58	1 9	14 4	0 26	17 31	0 17	17 40	5 37	23 31	23 32	18 31	10 49	1 20
W30	22n44	20n51	3n40	23n58	1n42	23n42	0n14	14n38	1s 6	23n27	0s 5	21n59	1s 9	14n 4	0s26	17n30	0n17	17s40	5n37	23s31	23s32	18s29	10s49	1n21

Julian Day Number = 2183615.5, Delta T = 11m18s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'36, Lahiri = 13°37'36 Julian Calendar 1 June 1266 == Greg. Calendar 8 June 1266

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

JULY 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 4 13	15♋32'29	2♊20	20♋19	5♋30	13♉18	1♋42	19♊46	8♉48	12♌ 8	21°R43	2♑13	1♑27	27♑46	1♏37	T 1
F 2	19 8 10	16°29'45	16°51	22°23	6°44	13°59	1°56	19°53	8°49	12°10	21♐42	2°14	1°24	27°53	1°38	F 2
S 3	19 12 6	17°27'01	1♋43	24°26	7°58	14°40	2° 9	20° 1	8°51	12°13	21°41	2°R14	1°20	27°59	1°39	S 3
S 4	19 16 3	18°24'19	16°49	26°26	9°11	15°21	2°23	20° 8	8°53	12°15	21°39	2°14	1°17	28° 6	1°40	S 4
M 5	19 19 59	19°21'37	2♌ 0	28°26	10°25	16° 2	2°36	20°15	8°54	12°17	21°38	2°13	1°14	28°13	1°41	M 5
T 6	19 23 56	20°18'55	17° 8	0♌24	11°39	16°43	2°49	20°22	8°56	12°19	21°37	2°11	1°11	28°19	1°42	T 6
W 7	19 27 52	21°16'14	2♍ 2	2°20	12°52	17°24	3° 2	20°30	8°58	12°21	21°35	2° 8	1° 8	28°26	1°44	W 7
T 8	19 31 49	22°13'33	16°35	4°14	14° 6	18° 5	3°16	20°37	8°59	12°23	21°34	2° 6	1° 5	28°33	1°45	T 8
F 9	19 35 46	23°10'53	0♎44	6° 7	15°20	18°46	3°29	20°44	9° 1	12°25	21°33	2° 4	1° 1	28°39	1°47	F 9
S 10	19 39 42	24° 8'13	14°26	7°58	16°34	19°26	3°42	20°51	9° 2	12°27	21°32	2° 3	0°58	28°46	1°48	S 10
S 11	19 43 39	25° 5'34	27°43	9°48	17°48	20° 7	3°55	20°58	9° 3	12°29	21°30	2°D 3	0°55	28°53	1°50	S 11
M12	19 47 35	26° 2'55	10♏36	11°35	19° 1	20°47	4° 8	21° 5	9° 5	12°31	21°29	2° 3	0°52	28°59	1°52	M12
T 13	19 51 32	27° 0'17	23° 9	13°21	20°15	21°27	4°21	21°11	9° 6	12°34	21°28	2° 5	0°49	29° 6	1°54	T 13
W14	19 55 28	27°57'40	5♐26	15° 6	21°29	22° 7	4°34	21°18	9° 7	12°36	21°27	2° 6	0°46	29°13	1°56	W14
T 15	19 59 25	28°55'03	17°31	16°48	22°43	22°47	4°47	21°25	9° 9	12°38	21°26	2° 8	0°42	29°19	1°58	T 15
F 16	20 3 21	29°52'28	29°27	18°29	23°57	23°27	5° 0	21°32	9°10	12°40	21°25	2°R 8	0°39	29°26	2° 0	F 16
S 17	20 7 18	0♌49'53	11♑19	20° 9	25°11	24° 7	5°13	21°39	9°11	12°42	21°23	2° 8	0°36	29°33	2° 3	S 17
S 18	20 11 15	1°47'18	23° 7	21°47	26°25	24°46	5°26	21°45	9°12	12°45	21°22	2° 6	0°33	29°39	2° 5	S 18
M19	20 15 11	2°44'45	4♒56	23°23	27°39	25°26	5°39	21°52	9°13	12°47	21°21	2° 3	0°30	29°46	2° 8	M19
T 20	20 19 8	3°42'13	16°47	24°57	28°53	26° 5	5°51	21°58	9°14	12°49	21°20	1°59	0°26	29°53	2°10	T 20
W21	20 23 4	4°39'42	28°42	26°30	0♌ 7	26°45	6° 4	22° 5	9°15	12°51	21°19	1°53	0°23	29°59	2°13	W21
T 22	20 27 1	5°37'12	10♓43	28° 2	1°21	27°24	6°17	22°11	9°16	12°53	21°18	1°47	0°20	0♒ 6	2°16	T 22
F 23	20 30 57	6°34'44	22°52	29°31	2°35	28° 3	6°29	22°18	9°16	12°56	21°17	1°42	0°17	0°13	2°19	F 23
S 24	20 34 54	7°32'17	5♈12	0♍59	3°49	28°42	6°42	22°24	9°17	12°58	21°16	1°37	0°14	0°19	2°22	S 24
S 25	20 38 50	8°29'51	17°45	2°25	5° 3	29°21	6°54	22°30	9°18	13° 0	21°15	1°33	0°11	0°26	2°25	S 25
M26	20 42 47	9°27'27	0♉34	3°50	6°17	29°59	7° 7	22°37	9°19	13° 2	21°14	1°31	0° 7	0°33	2°28	M26
T 27	20 46 44	10°25'04	13°43	5°13	7°31	0♊38	7°19	22°43	9°19	13° 4	21°14	1°D31	0° 4	0°39	2°32	T 27
W28	20 50 40	11°22'43	27°14	6°34	8°45	1°17	7°32	22°49	9°20	13° 7	21°13	1°32	0° 1	0°46	2°35	W28
T 29	20 54 37	12°20'24	11♊ 9	7°53	10° 0	1°55	7°44	22°55	9°20	13° 9	21°12	1°33	29♐58	0°53	2°39	T 29
F 30	20 58 33	13°18'06	25°28	9°11	11°14	2°33	7°56	23° 1	9°21	13°11	21°11	1°R34	29°55	0°59	2°42	F 30
S 31	21 2 30	14♌15'50	10♋11	10♍26	12♌28	3♊11	8♋ 8	23♊ 7	9♉21	13♌13	21♐10	1♑34	29♐52	1♒ 6	2♏46	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n38	23n18	2n38	23n43	1n45	23n42	0n17	14n52	1s 5	23n27	0s 5	22n 0	1s 9	14n 5	0s26	17n30	0n17	17s40	5n37	23s31	23s32	18s27	10s49	1n21
F 2	22 31	24 17	1 24	23 25	1 47	23 41	0 19	15 4	1 4	23 27	0 5	22 0	1 9	14 6	0 26	17 29	0 17	17 40	5 37	23 31	23 32	18 25	10 50	1 21
S 3	22 23	23 34	0 3	23 6	1 48	23 39	0 21	15 17	1 4	23 26	0 5	22 1	1 9	14 6	0 26	17 29	0 17	17 41	5 36	23 31	23 32	18 23	10 50	1 21
S 4	22 16	21 9	1s20	22 44	1 49	23 37	0 24	15 30	1 3	23 26	0 4	22 1	1 9	14 7	0 26	17 28	0 17	17 41	5 36	23 31	23 32	18 21	10 50	1 21
M 5	22 8	17 14	2 37	22 20	1 49	23 33	0 26	15 42	1 3	23 26	0 4	22 2	1 9	14 7	0 26	17 28	0 17	17 41	5 36	23 31	23 32	18 19	10 50	1 21
T 6	21 59	12 13	3 43	21 55	1 48	23 29	0 28	15 55	1 2	23 26	0 4	22 2	1 9	14 8	0 26	17 27	0 17	17 41	5 36	23 31	23 32	18 16	10 50	1 21
W 7	21 51	6 32	4 33	21 27	1 47	23 25	0 30	16 7	1 1	23 26	0 4	22 3	1 9	14 8	0 26	17 26	0 17	17 41	5 36	23 31	23 32	18 14	10 51	1 22
T 8	21 42	0 39	5 4	20 59	1 45	23 20	0 33	16 19	1 1	23 26	0 4	22 3	1 9	14 9	0 26	17 26	0 17	17 41	5 35	23 31	23 32	18 12	10 51	1 22
F 9	21 32	5s 7	5 15	20 29	1 43	23 14	0 35	16 31	1 0	23 25	0 4	22 4	1 9	14 9	0 26	17 25	0 17	17 41	5 35	23 31	23 32	18 10	10 52	1 22
S 10	21 22	10 27	5 8	19 57	1 40	23 7	0 37	16 42	0 59	23 25	0 4	22 4	1 9	14 10	0 26	17 25	0 17	17 41	5 35	23 31	23 32	18 8	10 52	1 22
S 11	21 12	15 7	4 44	19 25	1 36	23 0	0 39	16 54	0 59	23 25	0 4	22 5	1 9	14 10	0 26	17 24	0 17	17 41	5 35	23 31	23 32	18 6	10 53	1 22
M12	21 1	18 58	4 7	18 51	1 33	22 52	0 41	17 5	0 58	23 24	0 4	22 5	1 9	14 10	0 26	17 24	0 17	17 42	5 35	23 31	23 32	18 4	10 53	1 22
T 13	20 50	21 50	3 18	18 17	1 28	22 43	0 43	17 16	0 57	23 24	0 4	22 6	1 9	14 11	0 26	17 23	0 17	17 42	5 34	23 31	23 32	18 2	10 54	1 22
W14	20 39	23 37	2 22	17 42	1 23	22 33	0 45	17 27	0 57	23 24	0 4	22 6	1 9	14 11	0 26	17 22	0 17	17 42	5 34	23 31	23 32	18 0	10 54	1 23
T 15	20 27	24 16	1 20	17 6	1 18	22 23	0 47	17 38	0 56	23 23	0 3	22 7	1 9	14 12	0 26	17 22	0 17	17 42	5 34	23 31	23 32	17 57	10 55	1 23
F 16	20 15	23 47	0 15	16 29	1 12	22 13	0 49	17 49	0 55	23 23	0 3	22 7	1 9	14 12	0 26	17 21	0 17	17 42	5 34	23 31	23 32	17 55	10 55	1 23
S 17	20 3	22 13	0n50	15 52	1 6	22 1	0 51	18 0	0 55	23 23	0 3	22 8	1 9	14 12	0 26	17 20	0 17	17 42	5 34	23 31	23 32	17 53	10 56	1 23
S 18	19 50	19 42	1 53	15 15	1 0	21 49	0 53	18 10	0 54	23 22	0 3	22 8	1 9	14 13	0 26	17 20	0 17	17 42	5 33	23 31	23 32	17 51	10 57	1 23
M19	19 37	16 21	2 50	14 37	0 53	21 37	0 55	18 20	0 53	23 22	0 3	22 8	1 9	14 13	0 26	17 19	0 17	17 43	5 33	23 31	23 32	17 49	10 58	1 23
T 20	19 24	12 22	3 40	13 58	0 46	21 23	0 57	18 30	0 52	23 21	0 3	22 9	1 9	14 13	0 26	17 19	0 17	17 43	5 33	23 31	23 32	17 47	10 58	1 23
W21	19 10	7 53	4 21	13 20	0 38	21 9	0 58	18 40	0 52	23 21	0 3	22 9	1 9	14 13	0 26	17 18	0 17	17 43	5 33	23 31	23 32	17 45	10 59	1 23
T 22	18 56	3 6	4 51	12 41	0 31	20 55	1 0	18 50	0 51	23 20	0 3	22 10	1 9	14 14	0 26	17 17	0 17	17 43	5 32	23 31	23 32	17 42	11 0	1 24
F 23	18 42	1n52	5 8	12 2	0 23	20 40	1 2	19 0	0 50	23 20	0 3	22 10	1 9	14 14	0 26	17 17	0 17	17 43	5 32	23 31	23 32	17 40	11 1	1 24
S 24	18 28	6 49	5 11	11 23	0 14	20 24	1 3	19 9	0 49	23 19	0 3	22 10	1 9	14 14	0 26	17 16	0 17	17 43	5 32	23 31	23 32	17 38	11 2	1 24
S 25	18 13	11 35	4 59	10 45	0 6	20 8	1 5	19 18	0 48	23 19	0 2	22 11	1 9	14 14	0 26	17 16	0 17	17 44	5 32	23 32	23 32	17 36	11 3	1 24
M26	17 57	15 58	4 32	10 6	0s 3	19 51	1 6	19 27	0 48	23 18	0 2	22 11	1 9	14 15	0 26	17 15	0 17	17 44	5 32	23 32	23 32	17 34	11 4	1 24
T 27	17 42	19 41	3 51	9 27	0 12	19 33	1 8	19 36	0 47	23 18	0 2	22 11	1 9	14 15	0 26	17 14	0 18	17 44	5 31	23 32	23 32	17 32	11 5	1 24
W28	17 26	22 28	2 56	8 49	0 21	19 15	1 9	19 45	0 46	23 17	0 2	22 12	1 9	14 15	0 26	17 14	0 18	17 44	5 31	23 32	23 32	17 30	11 6	1 24
T 29	17 10	24 0	1 49	8 11	0 30	18 57	1 11	19 53	0 45	23 16	0 2	22 12	1 9	14 15	0 26	17 13	0 18	17 44	5 31	23 32	23 32	17 27	11 7	1 24
F 30	16 54	24 0	0 33	7 33	0 39	18 38	1 12	20 2	0 44	23 16	0 2	22 12	1 9	14 15	0 26	17 12	0 18	17 45	5 31	23 32	23 32	17 25	11 8	1 25
S 31	16n37	22n22	0s47	6n56	0s49	18n18	1n13	20n10	0s43	23n15	0s 2	22n13	1s 9	14n15	0s26	17n12	0n18	17s45	5n30	23s32	23s32	17s23	11s 9	1n25

Julian Day Number = 2183645.5, Delta T = 11m18s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'40, Lahiri = 13°37'40 Julian Calendar 1 July 1266 == Greg. Calendar 8 July 1266

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

AUGUST 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 6 26	15♌13'36	25♋11	11♍40	13♌42	3♊49	8♋20	23♊13	9♉21	13♌16	21°R10	1°R32	29♐48	1♒13	2♏50	S 1
M 2	21 10 23	16°11'22	10♌21	12°52	14°57	4°27	8°32	23°18	9°22	13°18	21♐ 9	1♑28	29°45	1°19	2°54	M 2
T 3	21 14 19	17° 9'11	25°32	14° 1	16°11	5° 5	8°44	23°24	9°22	13°20	21° 8	1°23	29°42	1°26	2°58	T 3
W 4	21 18 16	18° 7'00	10♍34	15° 9	17°25	5°42	8°56	23°30	9°22	13°22	21° 7	1°16	29°39	1°33	3° 2	W 4
T 5	21 22 13	19° 4'51	25°18	16°14	18°40	6°19	9° 8	23°35	9°22	13°24	21° 7	1° 9	29°36	1°39	3° 6	T 5
F 6	21 26 9	20° 2'44	9♎36	17°16	19°54	6°57	9°20	23°41	9°23	13°27	21° 6	1° 2	29°32	1°46	3°10	F 6
S 7	21 30 6	21° 0'37	23°26	18°17	21° 8	7°34	9°32	23°46	9°23	13°29	21° 6	0°57	29°29	1°53	3°14	S 7
S 8	21 34 2	21°58'32	6♏47	19°14	22°23	8°11	9°43	23°52	9°R23	13°31	21° 5	0°54	29°26	1°59	3°19	S 8
M 9	21 37 59	22°56'29	19°41	20° 9	23°37	8°47	9°55	23°57	9°23	13°33	21° 4	0°D53	29°23	2° 6	3°23	M 9
T 10	21 41 55	23°54'26	2♐12	21° 1	24°51	9°24	10° 6	24° 2	9°23	13°36	21° 4	0°53	29°20	2°13	3°28	T 10
W11	21 45 52	24°52'25	14°25	21°49	26° 6	10° 0	10°18	24° 7	9°22	13°38	21° 4	0°54	29°17	2°19	3°33	W11
T 12	21 49 48	25°50'26	26°25	22°35	27°20	10°37	10°29	24°12	9°22	13°40	21° 3	0°R55	29°13	2°26	3°37	T 12
F 13	21 53 45	26°48'28	8♑17	23°16	28°35	11°13	10°40	24°17	9°22	13°42	21° 3	0°55	29°10	2°33	3°42	F 13
S 14	21 57 42	27°46'31	20° 6	23°54	29°49	11°49	10°52	24°22	9°22	13°44	21° 2	0°53	29° 7	2°39	3°47	S 14
S 15	22 1 38	28°44'36	1♒54	24°28	1♍ 4	12°24	11° 3	24°27	9°21	13°46	21° 2	0°48	29° 4	2°46	3°52	S 15
M16	22 5 35	29°42'42	13°45	24°58	2°18	13° 0	11°14	24°32	9°21	13°49	21° 2	0°41	29° 1	2°53	3°57	M16
T 17	22 9 31	0♍40'50	25°41	25°23	3°33	13°36	11°25	24°36	9°21	13°51	21° 1	0°32	28°58	2°59	4° 2	T 17
W18	22 13 28	1°39'00	7♓45	25°43	4°47	14°11	11°36	24°41	9°20	13°53	21° 1	0°22	28°54	3° 6	4° 8	W18
T 19	22 17 24	2°37'11	19°56	25°58	6° 2	14°46	11°46	24°45	9°20	13°55	21° 1	0°10	28°51	3°13	4°13	T 19
F 20	22 21 21	3°35'25	2♈17	26° 7	7°16	15°21	11°57	24°50	9°19	13°57	21° 1	29♐59	28°48	3°19	4°18	F 20
S 21	22 25 17	4°33'40	14°48	26°R11	8°31	15°56	12° 8	24°54	9°18	13°59	21° 0	29°49	28°45	3°26	4°24	S 21
S 22	22 29 14	5°31'57	27°30	26° 8	9°45	16°30	12°18	24°58	9°18	14° 1	21° 0	29°41	28°42	3°33	4°29	S 22
M23	22 33 11	6°30'17	10♉25	26° 0	11° 0	17° 5	12°29	25° 3	9°17	14° 3	21° 0	29°36	28°38	3°39	4°35	M23
T 24	22 37 7	7°28'38	23°35	25°44	12°14	17°39	12°39	25° 7	9°16	14° 6	21° 0	29°33	28°35	3°46	4°40	T 24
W25	22 41 4	8°27'02	7♊ 2	25°23	13°29	18°13	12°49	25°11	9°15	14° 8	21° 0	29°D32	28°32	3°53	4°46	W25
T 26	22 45 0	9°25'28	20°48	24°54	14°44	18°47	12°59	25°15	9°14	14°10	21°D 0	29°32	28°29	3°59	4°52	T 26
F 27	22 48 57	10°23'56	4♋54	24°19	15°58	19°20	13° 9	25°18	9°14	14°12	21° 0	29°R32	28°26	4° 6	4°58	F 27
S 28	22 52 53	11°22'27	19°20	23°37	17°13	19°54	13°19	25°22	9°13	14°14	21° 0	29°31	28°23	4°13	5° 4	S 28
S 29	22 56 50	12°20'59	4♌ 2	22°49	18°28	20°27	13°29	25°26	9°12	14°16	21° 0	29°27	28°19	4°19	5°10	S 29
M30	23 0 46	13°19'34	18°57	21°56	19°42	21° 0	13°39	25°29	9°11	14°18	21° 0	29°21	28°16	4°26	5°16	M30
T 31	23 4 43	14♍18'11	3♍56	20♍58	20♍57	21♊33	13♋48	25♊33	9♉ 9	14♌20	21♐ 0	29♐12	28♐13	4♒33	5♏22	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n20	19n 9	2s 4	6n19	0s58	17n58	1n14	20n18	0s42	23n14	0s 2	22n13	1s 9	14n15	0s26	17n11	0n18	17s45	5n30	23s32	23s32	17s21	11s10	1n25
M 2	16 3	14 36	3 14	5 42	1 8	17 37	1 15	20 26	0 42	23 14	0 2	22 13	1 9	14 16	0 26	17 11	0 18	17 45	5 30	23 32	23 32	17 19	11 12	1 25
T 3	15 45	9 8	4 10	5 7	1 18	17 16	1 16	20 34	0 41	23 13	0 2	22 13	1 9	14 16	0 26	17 10	0 18	17 45	5 30	23 32	23 32	17 16	11 13	1 25
W 4	15 28	3 11	4 48	4 31	1 28	16 54	1 17	20 41	0 40	23 12	0 1	22 14	1 9	14 16	0 26	17 9	0 18	17 46	5 29	23 32	23 32	17 14	11 14	1 25
T 5	15 10	2s49	5 6	3 57	1 38	16 32	1 18	20 49	0 39	23 12	0 1	22 14	1 9	14 16	0 26	17 9	0 18	17 46	5 29	23 32	23 32	17 12	11 15	1 25
F 6	14 51	8 29	5 5	3 23	1 48	16 9	1 19	20 56	0 38	23 11	0 1	22 14	1 9	14 16	0 26	17 8	0 18	17 46	5 29	23 32	23 32	17 10	11 17	1 25
S 7	14 33	13 32	4 45	2 51	1 58	15 46	1 20	21 3	0 37	23 10	0 1	22 14	1 9	14 16	0 26	17 7	0 18	17 46	5 29	23 32	23 32	17 8	11 18	1 26
S 8	14 14	17 46	4 10	2 19	2 8	15 23	1 21	21 10	0 36	23 10	0 1	22 15	1 9	14 16	0 26	17 7	0 18	17 46	5 28	23 32	23 32	17 5	11 20	1 26
M 9	13 55	20 59	3 23	1 48	2 18	14 59	1 21	21 17	0 35	23 9	0 1	22 15	1 9	14 16	0 26	17 6	0 18	17 47	5 28	23 32	23 32	17 3	11 21	1 26
T 10	13 36	23 6	2 28	1 19	2 28	14 35	1 22	21 23	0 34	23 8	0 1	22 15	1 9	14 16	0 26	17 6	0 18	17 47	5 28	23 32	23 32	17 1	11 22	1 26
W11	13 17	24 4	1 28	0 51	2 37	14 10	1 23	21 30	0 33	23 7	0 1	22 15	1 9	14 16	0 26	17 5	0 18	17 47	5 27	23 32	23 32	16 59	11 24	1 26
T 12	12 57	23 53	0 24	0 24	2 47	13 45	1 23	21 36	0 32	23 6	0 1	22 16	1 9	14 16	0 26	17 4	0 18	17 47	5 27	23 32	23 32	16 57	11 25	1 26
F 13	12 38	22 37	0n40	0s 1	2 56	13 19	1 24	21 42	0 31	23 6	0 1	22 16	1 9	14 15	0 26	17 4	0 18	17 48	5 27	23 32	23 32	16 54	11 27	1 26
S 14	12 18	20 21	1 41	0 24	3 5	12 53	1 24	21 48	0 30	23 5	0 0	22 16	1 9	14 15	0 26	17 3	0 18	17 48	5 27	23 32	23 32	16 52	11 28	1 27
S 15	11 57	17 15	2 38	0 46	3 14	12 27	1 24	21 53	0 29	23 4	0 0	22 16	1 9	14 15	0 26	17 2	0 18	17 48	5 26	23 32	23 32	16 50	11 30	1 27
M16	11 37	13 26	3 28	1 5	3 23	12 1	1 24	21 59	0 28	23 3	0 0	22 16	1 9	14 15	0 26	17 2	0 18	17 48	5 26	23 32	23 32	16 48	11 32	1 27
T 17	11 17	9 5	4 10	1 23	3 31	11 34	1 25	22 4	0 27	23 2	0 0	22 16	1 9	14 15	0 26	17 1	0 18	17 49	5 26	23 32	23 32	16 46	11 33	1 27
W18	10 56	4 22	4 40	1 38	3 39	11 7	1 25	22 10	0 26	23 2	0 0	22 17	1 9	14 15	0 26	17 1	0 18	17 49	5 26	23 32	23 32	16 43	11 35	1 27
T 19	10 35	0n34	4 58	1 50	3 46	10 39	1 25	22 15	0 25	23 1	0n 0	22 17	1 9	14 15	0 26	17 0	0 18	17 49	5 25	23 32	23 32	16 41	11 36	1 27
F 20	10 14	5 32	5 3	2 0	3 52	10 11	1 25	22 20	0 24	23 0	0 0	22 17	1 9	14 14	0 26	16 59	0 18	17 49	5 25	23 32	23 32	16 39	11 38	1 27
S 21	9 53	10 21	4 53	2 7	3 58	9 43	1 25	22 25	0 23	22 59	0 0	22 17	1 9	14 14	0 26	16 59	0 18	17 50	5 25	23 32	23 32	16 37	11 40	1 27
S 22	9 31	14 48	4 29	2 10	4 3	9 15	1 25	22 29	0 22	22 58	0 0	22 17	1 9	14 14	0 26	16 58	0 18	17 50	5 25	23 32	23 32	16 34	11 42	1 28
M23	9 10	18 39	3 50	2 10	4 6	8 46	1 24	22 34	0 21	22 57	0 0	22 17	1 9	14 14	0 26	16 58	0 18	17 50	5 24	23 32	23 32	16 32	11 43	1 28
T 24	8 48	21 38	2 59	2 6	4 9	8 17	1 24	22 38	0 19	22 56	0 1	22 17	1 9	14 13	0 26	16 57	0 18	17 50	5 24	23 32	23 32	16 30	11 45	1 28
W25	8 26	23 29	1 57	1 59	4 10	7 48	1 24	22 42	0 18	22 56	0 1	22 18	1 9	14 13	0 26	16 56	0 18	17 51	5 24	23 32	23 32	16 28	11 47	1 28
T 26	8 4	23 59	0 46	1 48	4 10	7 19	1 23	22 46	0 17	22 55	0 1	22 18	1 9	14 13	0 26	16 56	0 18	17 51	5 23	23 32	23 32	16 25	11 49	1 28
F 27	7 42	22 58	0s28	1 32	4 9	6 50	1 23	22 50	0 16	22 54	0 1	22 18	1 9	14 13	0 26	16 55	0 18	17 51	5 23	23 32	23 32	16 23	11 51	1 28
S 28	7 20	20 26	1 43	1 13	4 6	6 20	1 22	22 54	0 15	22 53	0 1	22 18	1 9	14 12	0 26	16 55	0 18	17 51	5 23	23 32	23 31	16 21	11 52	1 28
S 29	6 57	16 32	2 52	0 49	4 0	5 50	1 22	22 58	0 14	22 52	0 1	22 18	1 9	14 12	0 26	16 54	0 18	17 52	5 23	23 32	23 31	16 19	11 54	1 29
M30	6 35	11 33	3 50	0 22	3 53	5 20	1 21	23 1	0 12	22 51	0 1	22 18	1 9	14 12	0 26	16 54	0 18	17 52	5 22	23 32	23 31	16 16	11 56	1 29
T 31	6n12	5n52	4s33	0n 9	3s45	4n50	1n20	23n 5	0s11	22n50	0n 1	22n18	1s10	14n11	0s26	16n53	0n18	17s52	5n22	23s32	23s31	16s14	11s58	1n29

Julian Day Number = 2183676.5, Delta T = 11m18s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'44, Lahiri = 13°37'45 Julian Calendar 1 Aug. 1266 == Greg. Calendar 8 Aug. 1266

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

SEPTEMBER 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 8 40	15♍16'49	18♍51	19°R57	22♍12	22♊ 5	13♋58	25♊36	9°R 8	14♘22	21♐ 1	29°R 2	28♐10	4♒39	5♏28	W 1
T 2	23 12 36	16°15'30	3♎32	18♍53	23°26	22°38	14° 7	25°39	9♉ 7	14°24	21° 1	28♐50	28° 7	4°46	5°34	T 2
F 3	23 16 33	17°14'13	17°51	17°49	24°41	23°10	14°16	25°42	9° 6	14°26	21° 1	28°40	28° 3	4°53	5°41	F 3
S 4	23 20 29	18°12'57	1♏43	16°45	25°56	23°42	14°25	25°45	9° 5	14°28	21° 1	28°31	28° 0	5° 0	5°47	S 4
S 5	23 24 26	19°11'43	15° 8	15°43	27°10	24°13	14°34	25°48	9° 3	14°30	21° 2	28°25	27°57	5° 6	5°54	S 5
M 6	23 28 22	20°10'31	28° 5	14°45	28°25	24°45	14°43	25°51	9° 2	14°31	21° 2	28°21	27°54	5°13	6° 0	M 6
T 7	23 32 19	21° 9'21	10♐38	13°52	29°40	25°16	14°52	25°54	9° 0	14°33	21° 2	28°19	27°51	5°20	6° 7	T 7
W 8	23 36 15	22° 8'13	22°52	13° 6	0♑55	25°47	15° 1	25°56	8°59	14°35	21° 3	28°19	27°48	5°26	6°13	W 8
T 9	23 40 12	23° 7'06	4♑52	12°28	2° 9	26°17	15° 9	25°59	8°58	14°37	21° 3	28°19	27°44	5°33	6°20	T 9
F 10	23 44 8	24° 6'02	16°44	11°59	3°24	26°48	15°18	26° 1	8°56	14°39	21° 4	28°18	27°41	5°40	6°27	F 10
S 11	23 48 5	25° 4'59	28°32	11°40	4°39	27°18	15°26	26° 4	8°54	14°41	21° 4	28°15	27°38	5°46	6°33	S 11
S 12	23 52 2	26° 3'57	10♒22	11°D30	5°54	27°48	15°34	26° 6	8°53	14°42	21° 5	28°10	27°35	5°53	6°40	S 12
M13	23 55 58	27° 2'58	22°17	11°31	7° 8	28°17	15°42	26° 8	8°51	14°44	21° 5	28° 1	27°32	6° 0	6°47	M13
T 14	23 59 55	28° 2'00	4♓21	11°43	8°23	28°47	15°50	26°10	8°50	14°46	21° 6	27°50	27°29	6° 6	6°54	T 14
W15	0 3 51	29° 1'05	16°34	12° 4	9°38	29°16	15°58	26°12	8°48	14°48	21° 6	27°38	27°25	6°13	7° 1	W15
T 16	0 7 48	0♎ 0'11	29° 0	12°36	10°53	29°45	16° 5	26°14	8°46	14°49	21° 7	27°24	27°22	6°20	7° 8	T 16
F 17	0 11 44	0°59'20	11♈37	13°16	12° 7	0♋13	16°13	26°15	8°44	14°51	21° 8	27°10	27°19	6°26	7°15	F 17
S 18	0 15 41	1°58'30	24°25	14° 5	13°22	0°41	16°20	26°17	8°42	14°53	21° 8	26°58	27°16	6°33	7°22	S 18
S 19	0 19 37	2°57'43	7♉25	15° 2	14°37	1° 9	16°27	26°18	8°41	14°54	21° 9	26°48	27°13	6°40	7°29	S 19
M20	0 23 34	3°56'58	20°36	16° 6	15°52	1°37	16°34	26°20	8°39	14°56	21°10	26°42	27° 9	6°46	7°37	M20
T 21	0 27 31	4°56'16	3♊58	17°17	17° 6	2° 4	16°41	26°21	8°37	14°57	21°11	26°38	27° 6	6°53	7°44	T 21
W22	0 31 27	5°55'36	17°31	18°33	18°21	2°31	16°48	26°22	8°35	14°59	21°11	26°36	27° 3	7° 0	7°51	W22
T 23	0 35 24	6°54'58	1♋16	19°54	19°36	2°58	16°55	26°23	8°33	15° 1	21°12	26°36	27° 0	7° 6	7°58	T 23
F 24	0 39 20	7°54'23	15°14	21°19	20°51	3°24	17° 1	26°24	8°31	15° 2	21°13	26°36	26°57	7°13	8° 6	F 24
S 25	0 43 17	8°53'50	29°25	22°48	22° 5	3°50	17° 8	26°25	8°29	15° 4	21°14	26°35	26°54	7°20	8°13	S 25
S 26	0 47 13	9°53'19	13♌48	24°20	23°20	4°16	17°14	26°25	8°27	15° 5	21°15	26°31	26°50	7°26	8°21	S 26
M27	0 51 10	10°52'51	28°20	25°54	24°35	4°41	17°20	26°26	8°25	15° 6	21°16	26°25	26°47	7°33	8°28	M27
T 28	0 55 6	11°52'25	12♍55	27°31	25°50	5° 6	17°26	26°26	8°22	15° 8	21°17	26°16	26°44	7°40	8°36	T 28
W29	0 59 3	12°52'01	27°28	29° 9	27° 5	5°30	17°31	26°27	8°20	15° 9	21°18	26° 5	26°41	7°46	8°43	W29
T 30	1 3 0	13♎51'39	11♎51	0♎48	28♎19	5♋54	17♋37	26♊27	8♉18	15♘11	21♐19	25♐54	26♐38	7♒53	8♏51	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n49	0s 7	4s57	0n43	3s34	4n20	1n20	23n 8	0s10	22n49	0n 1	22n18	1s10	14n11	0s26	16n52	0n18	17s53	5n22	23s32	23s31	16s12	12s 0	1n29
T 2	5 27	6 0	5 0	1 20	3 21	3 49	1 19	23 11	0 9	22 49	0 2	22 18	1 10	14 10	0 26	16 52	0 18	17 53	5 22	23 32	23 31	16 10	12 2	1 29
F 3	5 4	11 24	4 45	1 59	3 6	3 19	1 18	23 14	0 7	22 48	0 2	22 18	1 10	14 10	0 26	16 51	0 18	17 53	5 21	23 32	23 31	16 7	12 4	1 29
S 4	4 41	16 4	4 13	2 39	2 50	2 48	1 17	23 17	0 6	22 47	0 2	22 18	1 10	14 10	0 26	16 51	0 18	17 53	5 21	23 32	23 31	16 5	12 6	1 29
S 5	4 18	19 44	3 28	3 19	2 32	2 17	1 16	23 20	0 5	22 46	0 2	22 18	1 10	14 9	0 26	16 50	0 18	17 54	5 21	23 31	23 31	16 3	12 8	1 30
M 6	3 54	22 18	2 33	3 59	2 14	1 46	1 15	23 22	0 3	22 45	0 2	22 18	1 10	14 9	0 26	16 50	0 18	17 54	5 20	23 31	23 31	16 0	12 10	1 30
T 7	3 31	23 39	1 32	4 37	1 54	1 16	1 14	23 25	0 2	22 44	0 2	22 18	1 10	14 8	0 26	16 49	0 18	17 54	5 20	23 31	23 31	15 58	12 12	1 30
W 8	3 8	23 49	0 29	5 13	1 34	0 45	1 13	23 27	0 1	22 43	0 2	22 19	1 10	14 8	0 26	16 49	0 18	17 55	5 20	23 31	23 31	15 56	12 14	1 30
T 9	2 45	22 52	0n35	5 46	1 14	0 14	1 11	23 29	0n 1	22 43	0 2	22 19	1 10	14 7	0 26	16 48	0 18	17 55	5 20	23 31	23 31	15 54	12 16	1 30
F 10	2 21	20 54	1 36	6 16	0 54	0s17	1 10	23 32	0 2	22 42	0 3	22 19	1 10	14 7	0 26	16 48	0 18	17 55	5 19	23 31	23 31	15 51	12 18	1 30
S 11	1 58	18 3	2 33	6 41	0 34	0 48	1 9	23 34	0 3	22 41	0 3	22 19	1 10	14 6	0 26	16 47	0 18	17 56	5 19	23 31	23 31	15 49	12 20	1 30
S 12	1 34	14 27	3 23	7 2	0 16	1 19	1 7	23 36	0 5	22 40	0 3	22 19	1 10	14 6	0 27	16 47	0 18	17 56	5 19	23 31	23 31	15 47	12 22	1 31
M13	1 11	10 17	4 4	7 18	0n 2	1 50	1 6	23 38	0 6	22 39	0 3	22 19	1 10	14 5	0 27	16 46	0 18	17 56	5 19	23 31	23 31	15 44	12 24	1 31
T 14	0 47	5 41	4 35	7 29	0 19	2 21	1 4	23 39	0 8	22 38	0 3	22 19	1 10	14 5	0 27	16 46	0 18	17 56	5 18	23 31	23 31	15 42	12 26	1 31
W15	0 24	0 48	4 54	7 36	0 35	2 52	1 3	23 41	0 9	22 38	0 3	22 19	1 10	14 4	0 27	16 45	0 18	17 57	5 18	23 31	23 31	15 40	12 29	1 31
T 16	0s 0	4n11	5 0	7 37	0 49	3 23	1 1	23 43	0 11	22 37	0 3	22 19	1 10	14 4	0 27	16 45	0 18	17 57	5 18	23 31	23 30	15 38	12 31	1 31
F 17	0 24	9 4	4 51	7 33	1 2	3 54	0 59	23 44	0 12	22 36	0 3	22 19	1 10	14 3	0 27	16 44	0 18	17 57	5 17	23 30	23 30	15 35	12 33	1 31
S 18	0 47	13 38	4 27	7 25	1 13	4 25	0 57	23 45	0 14	22 35	0 3	22 19	1 10	14 2	0 27	16 44	0 18	17 58	5 17	23 30	23 30	15 33	12 35	1 32
S 19	1 11	17 38	3 49	7 12	1 23	4 56	0 56	23 47	0 15	22 35	0 4	22 19	1 10	14 2	0 27	16 43	0 18	17 58	5 17	23 30	23 30	15 31	12 37	1 32
M20	1 35	20 50	2 58	6 55	1 32	5 26	0 54	23 48	0 17	22 34	0 4	22 19	1 10	14 1	0 27	16 43	0 18	17 58	5 17	23 30	23 30	15 28	12 39	1 32
T 21	1 58	22 56	1 57	6 34	1 39	5 57	0 52	23 49	0 18	22 33	0 4	22 19	1 10	14 1	0 27	16 42	0 18	17 59	5 16	23 29	23 30	15 26	12 42	1 32
W22	2 22	23 44	0 48	6 10	1 45	6 27	0 50	23 50	0 20	22 32	0 4	22 19	1 10	14 0	0 27	16 42	0 18	17 59	5 16	23 29	23 30	15 24	12 44	1 32
T 23	2 45	23 7	0s25	5 42	1 50	6 57	0 48	23 51	0 21	22 32	0 4	22 19	1 10	13 59	0 27	16 41	0 18	17 59	5 16	23 29	23 30	15 21	12 46	1 32
F 24	3 9	21 3	1 37	5 12	1 54	7 27	0 46	23 52	0 23	22 31	0 4	22 19	1 10	13 59	0 27	16 41	0 18	18 0	5 16	23 29	23 30	15 19	12 48	1 33
S 25	3 32	17 40	2 44	4 39	1 57	7 57	0 44	23 53	0 25	22 30	0 4	22 19	1 11	13 58	0 27	16 41	0 18	18 0	5 15	23 29	23 30	15 17	12 50	1 33
S 26	3 56	13 12	3 42	4 4	1 58	8 27	0 42	23 54	0 26	22 30	0 4	22 19	1 11	13 57	0 27	16 40	0 18	18 0	5 15	23 29	23 30	15 14	12 53	1 33
M27	4 19	7 56	4 26	3 27	1 59	8 57	0 40	23 55	0 28	22 29	0 5	22 19	1 11	13 57	0 27	16 40	0 18	18 1	5 15	23 29	23 30	15 12	12 55	1 33
T 28	4 43	2 13	4 53	2 49	1 59	9 26	0 38	23 56	0 30	22 28	0 5	22 19	1 11	13 56	0 27	16 39	0 18	18 1	5 15	23 29	23 30	15 10	12 57	1 33
W29	5 6	3s36	5 1	2 9	1 58	9 55	0 35	23 56	0 31	22 28	0 5	22 19	1 11	13 55	0 27	16 39	0 19	18 1	5 14	23 29	23 30	15 7	12 59	1 33
T 30	5s29	9s 9	4s50	1n28	1n57	10s24	0n33	23n57	0n33	22n27	0n 5	22n19	1s11	13n55	0s27	16n39	0n19	18s 1	5n14	23s28	23s29	15s 5	13s 2	1n34

Julian Day Number = 2183707.5, Delta T = 11m18s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'48, Lahiri = 13°37'49 Julian Calendar 1 Sept. 1266 == Greg. Calendar 8 Sept. 1266

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

OCTOBER 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 6 56	14♎51'19	25♎57	2♎28	29♎34	6♋18	17♋42	26♊27	8°R16	15♑12	21♐20	25°R43	26♐34	8♒ 0	8♏58	F 1
S 2	1 10 53	15°51'01	9♏42	4° 9	0♏49	6°41	17°47	26°R27	8♉14	15°13	21°21	25♐34	26°31	8° 6	9° 6	S 2
S 3	1 14 49	16°50'46	23° 3	5°51	2° 4	7° 4	17°52	26°27	8°11	15°15	21°22	25°27	26°28	8°13	9°14	S 3
M 4	1 18 46	17°50'32	6♐ 0	7°32	3°19	7°27	17°57	26°27	8° 9	15°16	21°24	25°23	26°25	8°20	9°21	M 4
T 5	1 22 42	18°50'20	18°35	9°14	4°33	7°49	18° 2	26°26	8° 7	15°17	21°25	25°21	26°22	8°26	9°29	T 5
W 6	1 26 39	19°50'09	0♑50	10°56	5°48	8°11	18° 6	26°26	8° 5	15°18	21°26	25°D21	26°19	8°33	9°37	W 6
T 7	1 30 35	20°50'01	12°52	12°38	7° 3	8°32	18°11	26°25	8° 2	15°19	21°27	25°21	26°15	8°40	9°44	T 7
F 8	1 34 32	21°49'54	24°45	14°19	8°18	8°53	18°15	26°25	8° 0	15°20	21°29	25°R22	26°12	8°47	9°52	F 8
S 9	1 38 29	22°49'49	6♒34	16° 0	9°33	9°13	18°19	26°24	7°57	15°22	21°30	25°20	26° 9	8°53	10° 0	S 9
S 10	1 42 25	23°49'45	18°26	17°41	10°47	9°33	18°23	26°23	7°55	15°23	21°31	25°17	26° 6	9° 0	10° 8	S 10
M11	1 46 22	24°49'43	0♓24	19°22	12° 2	9°52	18°26	26°22	7°53	15°24	21°33	25°12	26° 3	9° 7	10°16	M11
T 12	1 50 18	25°49'43	12°32	21° 2	13°17	10°11	18°30	26°21	7°50	15°25	21°34	25° 4	26° 0	9°13	10°24	T 12
W13	1 54 15	26°49'45	24°55	22°42	14°32	10°30	18°33	26°20	7°48	15°26	21°35	24°54	25°56	9°20	10°31	W13
T 14	1 58 11	27°49'48	7♈32	24°21	15°46	10°47	18°36	26°18	7°45	15°27	21°37	24°44	25°53	9°27	10°39	T 14
F 15	2 2 8	28°49'53	20°26	26° 0	17° 1	11° 5	18°39	26°17	7°43	15°27	21°38	24°33	25°50	9°33	10°47	F 15
S 16	2 6 4	29°50'00	3♉35	27°39	18°16	11°22	18°42	26°15	7°40	15°28	21°40	24°24	25°47	9°40	10°55	S 16
S 17	2 10 1	0♏50'09	16°58	29°17	19°31	11°38	18°44	26°14	7°38	15°29	21°41	24°16	25°44	9°47	11° 3	S 17
M18	2 13 57	1°50'20	0♊32	0♏55	20°45	11°54	18°46	26°12	7°36	15°30	21°43	24°11	25°40	9°53	11°11	M18
T 19	2 17 54	2°50'33	14°16	2°32	22° 0	12° 9	18°48	26°10	7°33	15°31	21°44	24° 9	25°37	10° 0	11°19	T 19
W20	2 21 51	3°50'48	28° 8	4° 9	23°15	12°24	18°50	26° 8	7°31	15°32	21°46	24°D 9	25°34	10° 7	11°27	W20
T 21	2 25 47	4°51'05	12♋ 6	5°46	24°30	12°38	18°52	26° 6	7°28	15°32	21°48	24° 9	25°31	10°13	11°35	T 21
F 22	2 29 44	5°51'24	26°10	7°22	25°44	12°51	18°54	26° 4	7°26	15°33	21°49	24°11	25°28	10°20	11°43	F 22
S 23	2 33 40	6°51'45	10♌17	8°57	26°59	13° 4	18°55	26° 2	7°23	15°34	21°51	24°R11	25°25	10°27	11°51	S 23
S 24	2 37 37	7°52'08	24°27	10°33	28°14	13°16	18°56	25°59	7°21	15°34	21°53	24°10	25°21	10°33	11°59	S 24
M25	2 41 33	8°52'33	8♍38	12° 8	29°28	13°28	18°57	25°57	7°18	15°35	21°54	24° 6	25°18	10°40	12° 7	M25
T 26	2 45 30	9°53'00	22°47	13°43	0♐43	13°39	18°58	25°54	7°16	15°35	21°56	24° 1	25°15	10°47	12°15	T 26
W27	2 49 26	10°53'29	6♎51	15°17	1°58	13°49	18°59	25°52	7°13	15°36	21°58	23°54	25°12	10°53	12°23	W27
T 28	2 53 23	11°53'59	20°46	16°52	3°13	13°59	18°59	25°49	7°11	15°36	21°59	23°47	25° 9	11° 0	12°31	T 28
F 29	2 57 20	12°54'32	4♏29	18°26	4°27	14° 8	18°R59	25°46	7° 8	15°37	22° 1	23°40	25° 6	11° 7	12°39	F 29
S 30	3 1 16	13°55'06	17°55	19°59	5°42	14°16	18°59	25°43	7° 6	15°37	22° 3	23°34	25° 2	11°14	12°47	S 30
S 31	3 5 13	14♏55'41	1♐ 3	21♏33	6♐57	14♋24	18♋59	25♊40	7♉ 3	15♑38	22♐ 5	23♐30	24♐59	11♒20	12♏55	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	5s53	14s 7	4s21	0n46	1n55	10s53	0n31	23n58	0n35	22n27	0n 5	22n18	1s11	13n54	0s27	16n38	0n19	18s 2	5n14	23s28	23s29	15s 3	13s 4	1n34	
S 2	6 16	18 13	3 37	0 3	1 52	11 21	0 29	23 58	0 37	22 26	0 5	22 18	1 11	13 53	0 27	16 38	0 19	18 2	5 14	23 28	23 29	15 0	13 6	1 34	
S 3	6 39	21 14	2 43	0s40	1 48	11 50	0 26	23 59	0 38	22 26	0 5	22 18	1 11	13 52	0 27	16 37	0 19	18 2	5 13	23 27	23 29	14 58	13 8	1 34	
M 4	7 2	23 3	1 41	1 24	1 45	12 18	0 24	24 0	0 40	22 25	0 6	22 18	1 11	13 52	0 27	16 37	0 19	18 3	5 13	23 27	23 29	14 56	13 11	1 34	
T 5	7 24	23 38	0 36	2 8	1 41	12 45	0 21	24 0	0 42	22 25	0 6	22 18	1 11	13 51	0 27	16 37	0 19	18 3	5 13	23 27	23 29	14 53	13 13	1 35	
W 6	7 47	23 3	0n29	2 52	1 36	13 13	0 19	24 1	0 44	22 24	0 6	22 18	1 11	13 50	0 27	16 36	0 19	18 3	5 13	23 27	23 29	14 51	13 15	1 35	
T 7	8 10	21 23	1 32	3 36	1 31	13 40	0 17	24 1	0 46	22 24	0 6	22 18	1 11	13 49	0 27	16 36	0 19	18 4	5 12	23 27	23 29	14 49	13 17	1 35	
F 8	8 32	18 48	2 30	4 21	1 26	14 6	0 14	24 2	0 48	22 23	0 6	22 18	1 11	13 49	0 27	16 36	0 19	18 4	5 12	23 27	23 29	14 46	13 20	1 35	
S 9	8 55	15 27	3 22	5 5	1 21	14 33	0 12	24 2	0 50	22 23	0 6	22 18	1 11	13 48	0 27	16 36	0 19	18 4	5 12	23 27	23 29	14 44	13 22	1 35	
S 10	9 17	11 29	4 4	5 49	1 15	14 58	0 9	24 3	0 52	22 22	0 6	22 18	1 11	13 47	0 27	16 35	0 19	18 5	5 12	23 27	23 29	14 42	13 24	1 36	
M11	9 39	7 3	4 37	6 33	1 9	15 24	0 7	24 4	0 54	22 22	0 7	22 18	1 11	13 46	0 27	16 35	0 19	18 5	5 11	23 27	23 29	14 39	13 26	1 36	
T 12	10 1	2 18	4 57	7 16	1 3	15 49	0 4	24 4	0 56	22 22	0 7	22 18	1 11	13 46	0 27	16 35	0 19	18 5	5 11	23 27	23 28	14 37	13 29	1 36	
W13	10 23	2n38	5 5	7 59	0 57	16 14	0 2	24 5	0 58	22 21	0 7	22 18	1 11	13 45	0 27	16 34	0 19	18 6	5 11	23 26	23 28	14 35	13 31	1 36	
T 14	10 45	7 33	4 57	8 42	0 51	16 38	0s 1	24 5	1 0	22 21	0 7	22 18	1 11	13 44	0 27	16 34	0 19	18 6	5 11	23 26	23 28	14 32	13 33	1 36	
F 15	11 6	12 15	4 35	9 24	0 44	17 2	0 3	24 6	1 2	22 21	0 7	22 18	1 11	13 43	0 27	16 34	0 19	18 6	5 10	23 25	23 28	14 30	13 35	1 37	
S 16	11 27	16 28	3 57	10 6	0 38	17 26	0 6	24 7	1 4	22 21	0 7	22 18	1 11	13 42	0 27	16 34	0 19	18 7	5 10	23 25	23 28	14 27	13 38	1 37	
S 17	11 49	19 56	3 6	10 47	0 31	17 49	0 9	24 7	1 6	22 20	0 7	22 18	1 11	13 42	0 27	16 33	0 19	18 7	5 10	23 25	23 28	14 25	13 40	1 37	
M18	12 10	22 21	2 3	11 27	0 24	18 12	0 11	24 8	1 8	22 20	0 8	22 18	1 11	13 41	0 27	16 33	0 19	18 7	5 10	23 24	23 28	14 23	13 42	1 37	
T 19	12 30	23 29	0 53	12 7	0 18	18 34	0 14	24 9	1 11	22 20	0 8	22 17	1 11	13 40	0 27	16 33	0 19	18 8	5 10	23 24	23 28	14 20	13 44	1 37	
W20	12 51	23 10	0s22	12 47	0 11	18 55	0 16	24 10	1 13	22 20	0 8	22 17	1 11	13 39	0 27	16 33	0 19	18 8	5 9	23 24	23 28	14 18	13 47	1 38	
T 21	13 11	21 24	1 35	13 25	0 4	19 16	0 19	24 11	1 15	22 20	0 8	22 17	1 11	13 38	0 27	16 33	0 19	18 8	5 9	23 24	23 27	14 16	13 49	1 38	
F 22	13 32	18 19	2 44	14 4	0s 2	19 37	0 21	24 12	1 17	22 20	0 8	22 17	1 11	13 38	0 27	16 32	0 19	18 9	5 9	23 24	23 27	14 13	13 51	1 38	
S 23	13 52	14 9	3 43	14 41	0 9	19 57	0 24	24 13	1 20	22 20	0 8	22 17	1 11	13 37	0 27	16 32	0 19	18 9	5 9	23 24	23 27	14 11	13 53	1 38	
S 24	14 11	9 12	4 28	15 18	0 16	20 17	0 27	24 14	1 22	22 20	0 8	22 17	1 11	13 36	0 27	16 32	0 19	18 9	5 8	23 24	23 27	14 8	13 56	1 39	
M25	14 31	3 46	4 58	15 53	0 22	20 36	0 29	24 15	1 24	22 20	0 9	22 17	1 11	13 35	0 27	16 32	0 19	18 9	5 8	23 24	23 27	14 6	13 58	1 39	
T 26	14 50	1s51	5 9	16 28	0 29	20 54	0 32	24 16	1 27	22 20	0 9	22 17	1 11	13 34	0 26	16 32	0 19	18 10	5 8	23 24	23 27	14 4	14 0	1 39	
W27	15 9	7 20	5 1	17 3	0 35	21 12	0 34	24 18	1 29	22 20	0 9	22 17	1 11	13 34	0 26	16 32	0 19	18 10	5 8	23 24	23 27	14 1	14 2	1 39	
T 28	15 28	12 23	4 35	17 36	0 42	21 29	0 37	24 19	1 32	22 20	0 9	22 17	1 11	13 33	0 26	16 32	0 19	18 10	5 8	23 23	23 27	13 59	14 5	1 40	
F 29	15 46	16 44	3 54	18 9	0 48	21 46	0 39	24 21	1 34	22 20	0 9	22 17	1 11	13 32	0 26	16 31	0 19	18 11	5 7	23 23	23 27	13 56	14 7	1 40	
S 30	16 5	20 8	3 1	18 41	0 54	22 2	0 42	24 22	1 37	22 20	0 9	22 17	1 11	13 31	0 26	16 31	0 19	18 11	5 7	23 23	23 26	13 54	14 9	1 40	
S 31	16s23	22s23	1s59	19s11	1s 0	22s17	0s44	24n24	1n39	22n20	0n10	22n16	1s11	13n30	0s26	16n31	0n19	18s11	5n 7	23s22	23s26	13s52	14s11	1n40	

Julian Day Number = 2183737.5, Delta T = 11m17s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'52, Lahiri = 13°37'53 Julian Calendar 1 Oct. 1266 == Greg. Calendar 8 Oct. 1266

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

NOVEMBER 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 9 9	15♏56'18	13♐51	23♏ 6	8♐11	14♋30	18°R58	25°R37	7°R 1	15♎38	22♐ 7	23°R28	24♐56	11♒27	13♏ 3	M 1
T 2	3 13 6	16°56'57	26°22	24°39	9°26	14°36	18♋58	25♊33	6♉58	15°38	22° 8	23°D27	24°53	11°34	13°11	T 2
W 3	3 17 2	17°57'37	8♑37	26°12	10°41	14°42	18°57	25°30	6°56	15°39	22°10	23♐28	24°50	11°40	13°19	W 3
T 4	3 20 59	18°58'18	20°39	27°45	11°56	14°46	18°56	25°27	6°53	15°39	22°12	23°30	24°46	11°47	13°27	T 4
F 5	3 24 55	19°59'00	2♒32	29°17	13°10	14°50	18°55	25°23	6°51	15°39	22°14	23°32	24°43	11°54	13°35	F 5
S 6	3 28 52	20°59'43	14°22	0♐50	14°25	14°53	18°53	25°20	6°49	15°39	22°16	23°33	24°40	12° 0	13°43	S 6
S 7	3 32 49	22° 0'28	26°14	2°22	15°40	14°55	18°52	25°16	6°46	15°39	22°18	23°R33	24°37	12° 7	13°51	S 7
M 8	3 36 45	23° 1'13	8♓12	3°54	16°54	14°57	18°50	25°12	6°44	15°39	22°20	23°32	24°34	12°14	13°59	M 8
T 9	3 40 42	24° 2'00	20°22	5°25	18° 9	14°R57	18°48	25° 8	6°42	15°40	22°22	23°29	24°31	12°20	14° 7	T 9
W10	3 44 38	25° 2'47	2♈46	6°57	19°23	14°57	18°45	25° 5	6°39	15°40	22°24	23°26	24°27	12°27	14°15	W10
T 11	3 48 35	26° 3'36	15°30	8°28	20°38	14°56	18°43	25° 1	6°37	15°R40	22°26	23°21	24°24	12°34	14°23	T 11
F 12	3 52 31	27° 4'25	28°33	10° 0	21°53	14°55	18°40	24°57	6°35	15°40	22°28	23°17	24°21	12°40	14°30	F 12
S 13	3 56 28	28° 5'16	11♉57	11°31	23° 7	14°52	18°38	24°52	6°32	15°39	22°30	23°13	24°18	12°47	14°38	S 13
S 14	4 0 24	29° 6'08	25°41	13° 1	24°22	14°48	18°35	24°48	6°30	15°39	22°32	23°10	24°15	12°54	14°46	S 14
M15	4 4 21	0♐ 7'01	9♊41	14°32	25°36	14°44	18°31	24°44	6°28	15°39	22°34	23° 8	24°12	13° 1	14°54	M15
T 16	4 8 18	1° 7'55	23°53	16° 2	26°51	14°39	18°28	24°40	6°26	15°39	22°36	23°D 7	24° 8	13° 7	15° 2	T 16
W17	4 12 14	2° 8'51	8♋13	17°31	28° 5	14°33	18°25	24°35	6°23	15°39	22°38	23° 8	24° 5	13°14	15°10	W17
T 18	4 16 11	3° 9'47	22°36	19° 1	29°20	14°26	18°21	24°31	6°21	15°39	22°40	23° 9	24° 2	13°21	15°17	T 18
F 19	4 20 7	4°10'45	6♌59	20°29	0♑34	14°19	18°17	24°27	6°19	15°38	22°42	23°10	23°59	13°27	15°25	F 19
S 20	4 24 4	5°11'44	21°16	21°57	1°49	14°10	18°13	24°22	6°17	15°38	22°44	23°12	23°56	13°34	15°33	S 20
S 21	4 28 0	6°12'44	5♍27	23°24	3° 3	14° 1	18° 8	24°18	6°15	15°38	22°46	23°R12	23°52	13°41	15°40	S 21
M22	4 31 57	7°13'46	19°29	24°51	4°18	13°50	18° 4	24°13	6°13	15°37	22°48	23°12	23°49	13°47	15°48	M22
T 23	4 35 53	8°14'48	3♎20	26°16	5°32	13°39	17°59	24° 8	6°11	15°37	22°51	23°11	23°46	13°54	15°56	T 23
W24	4 39 50	9°15'52	17° 0	27°40	6°47	13°27	17°55	24° 4	6° 9	15°37	22°53	23° 9	23°43	14° 1	16° 3	W24
T 25	4 43 47	10°16'57	0♏27	29° 3	8° 1	13°15	17°50	23°59	6° 7	15°36	22°55	23° 7	23°40	14° 7	16°11	T 25
F 26	4 47 43	11°18'02	13°42	0♑24	9°15	13° 1	17°44	23°54	6° 5	15°36	22°57	23° 5	23°37	14°14	16°18	F 26
S 27	4 51 40	12°19'09	26°43	1°43	10°30	12°47	17°39	23°49	6° 3	15°35	22°59	23° 4	23°33	14°21	16°26	S 27
S 28	4 55 36	13°20'16	9♐31	2°59	11°44	12°32	17°34	23°44	6° 1	15°35	23° 1	23° 3	23°30	14°28	16°33	S 28
M29	4 59 33	14°21'24	22° 4	4°13	12°59	12°16	17°28	23°40	6° 0	15°34	23° 3	23°D 3	23°27	14°34	16°41	M29
T 30	5 3 29	15♐22'33	4♑25	5♑24	14♑13	11♋59	17♋22	23♊35	5♉58	15♎33	23♐ 6	23♐ 3	23♐24	14♒41	16♏48	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s40	23s25	0s52	19s41	1s 6	22s32	0s47	24n26	1n42	22n21	0n10	22n16	1s11	13n30	0s26	16n31	0n19	18s12	5n 7	23s22	23s26	13s49	14s13	1n41
T 2	16 58	23 13	0n16	20 10	1 12	22 46	0 49	24 28	1 44	22 21	0 10	22 16	1 11	13 29	0 26	16 31	0 19	18 12	5 7	23 22	23 26	13 47	14 15	1 41
W 3	17 15	21 54	1 22	20 38	1 18	22 59	0 52	24 30	1 47	22 21	0 10	22 16	1 11	13 28	0 26	16 31	0 19	18 12	5 6	23 22	23 26	13 44	14 18	1 41
T 4	17 32	19 35	2 23	21 5	1 23	23 12	0 54	24 32	1 50	22 22	0 10	22 16	1 11	13 27	0 26	16 31	0 19	18 12	5 6	23 22	23 26	13 42	14 20	1 41
F 5	17 48	16 28	3 17	21 31	1 29	23 24	0 56	24 34	1 52	22 22	0 10	22 16	1 11	13 26	0 26	16 31	0 19	18 13	5 6	23 23	23 26	13 40	14 22	1 42
S 6	18 5	12 42	4 3	21 56	1 34	23 35	0 59	24 36	1 55	22 22	0 10	22 16	1 11	13 26	0 26	16 31	0 19	18 13	5 6	23 23	23 26	13 37	14 24	1 42
S 7	18 20	8 27	4 39	22 20	1 39	23 46	1 1	24 39	1 58	22 23	0 11	22 16	1 11	13 25	0 26	16 31	0 19	18 13	5 6	23 23	23 25	13 35	14 26	1 42
M 8	18 36	3 51	5 2	22 42	1 44	23 56	1 3	24 41	2 0	22 23	0 11	22 16	1 11	13 24	0 26	16 31	0 19	18 14	5 6	23 23	23 25	13 32	14 28	1 42
T 9	18 51	0n57	5 13	23 4	1 48	24 5	1 5	24 44	2 3	22 23	0 11	22 16	1 11	13 23	0 26	16 31	0 19	18 14	5 5	23 22	23 25	13 30	14 30	1 43
W10	19 6	5 50	5 9	23 24	1 53	24 14	1 8	24 47	2 6	22 24	0 11	22 15	1 11	13 23	0 26	16 31	0 19	18 14	5 5	23 22	23 25	13 28	14 32	1 43
T 11	19 21	10 35	4 50	23 44	1 57	24 22	1 10	24 50	2 9	22 24	0 11	22 15	1 11	13 22	0 26	16 31	0 19	18 14	5 5	23 22	23 25	13 25	14 34	1 43
F 12	19 35	14 59	4 16	24 1	2 1	24 29	1 12	24 53	2 12	22 25	0 11	22 15	1 11	13 21	0 26	16 31	0 19	18 15	5 5	23 22	23 25	13 23	14 36	1 43
S 13	19 49	18 46	3 27	24 18	2 4	24 35	1 14	24 56	2 14	22 25	0 12	22 15	1 11	13 20	0 26	16 31	0 19	18 15	5 5	23 22	23 25	13 20	14 39	1 44
S 14	20 2	21 36	2 25	24 33	2 7	24 41	1 16	24 59	2 17	22 26	0 12	22 15	1 11	13 20	0 26	16 31	0 20	18 15	5 5	23 21	23 25	13 18	14 41	1 44
M15	20 15	23 12	1 13	24 47	2 10	24 45	1 18	25 2	2 20	22 27	0 12	22 15	1 11	13 19	0 26	16 31	0 20	18 16	5 4	23 21	23 24	13 15	14 43	1 44
T 16	20 28	23 19	0s 4	25 0	2 13	24 50	1 20	25 6	2 23	22 27	0 12	22 15	1 11	13 18	0 26	16 31	0 20	18 16	5 4	23 21	23 24	13 13	14 45	1 45
W17	20 40	21 54	1 22	25 11	2 15	24 53	1 22	25 9	2 26	22 28	0 12	22 14	1 11	13 17	0 26	16 31	0 20	18 16	5 4	23 21	23 24	13 11	14 47	1 45
T 18	20 52	19 4	2 36	25 21	2 17	24 55	1 24	25 13	2 29	22 29	0 12	22 14	1 11	13 17	0 26	16 31	0 20	18 16	5 4	23 21	23 24	13 8	14 49	1 45
F 19	21 4	15 4	3 39	25 29	2 18	24 57	1 25	25 16	2 31	22 29	0 13	22 14	1 11	13 16	0 26	16 31	0 20	18 17	5 4	23 21	23 24	13 6	14 50	1 45
S 20	21 15	10 13	4 29	25 36	2 19	24 58	1 27	25 20	2 34	22 30	0 13	22 14	1 11	13 15	0 26	16 31	0 20	18 17	5 4	23 21	23 24	13 3	14 52	1 46
S 21	21 26	4 53	5 1	25 42	2 20	24 59	1 29	25 24	2 37	22 31	0 13	22 14	1 11	13 15	0 26	16 32	0 20	18 17	5 3	23 22	23 24	13 1	14 54	1 46
M22	21 36	0s39	5 15	25 46	2 20	24 58	1 30	25 28	2 40	22 32	0 13	22 14	1 11	13 14	0 26	16 32	0 20	18 17	5 3	23 22	23 23	12 58	14 56	1 46
T 23	21 46	6 5	5 11	25 48	2 19	24 57	1 32	25 32	2 43	22 32	0 13	22 14	1 11	13 13	0 26	16 32	0 20	18 18	5 3	23 21	23 23	12 56	14 58	1 47
W24	21 56	11 9	4 49	25 49	2 18	24 55	1 33	25 36	2 46	22 33	0 13	22 14	1 11	13 13	0 26	16 32	0 20	18 18	5 3	23 21	23 23	12 54	15 0	1 47
T 25	22 5	15 36	4 12	25 48	2 16	24 52	1 35	25 40	2 49	22 34	0 14	22 13	1 10	13 12	0 26	16 32	0 20	18 18	5 3	23 21	23 23	12 51	15 2	1 47
F 26	22 13	19 13	3 21	25 46	2 14	24 49	1 36	25 44	2 51	22 35	0 14	22 13	1 10	13 12	0 26	16 32	0 20	18 18	5 3	23 21	23 23	12 49	15 4	1 48
S 27	22 22	21 47	2 21	25 42	2 10	24 44	1 38	25 48	2 54	22 36	0 14	22 13	1 10	13 11	0 26	16 33	0 20	18 19	5 3	23 21	23 23	12 46	15 6	1 48
S 28	22 29	23 11	1 14	25 36	2 6	24 39	1 39	25 53	2 57	22 37	0 14	22 13	1 10	13 10	0 26	16 33	0 20	18 19	5 3	23 21	23 22	12 44	15 7	1 48
M29	22 37	23 23	0 5	25 29	2 1	24 33	1 40	25 57	3 0	22 37	0 14	22 13	1 10	13 10	0 26	16 33	0 20	18 19	5 2	23 21	23 22	12 41	15 9	1 49
T 30	22s44	22s25	1n 3	25s21	1s56	24s27	1s41	26n 1	3n 2	22n38	0n14	22n13	1s10	13n 9	0s26	16n33	0n20	18s19	5n 2	23s21	23s22	12s39	15s11	1n49

Julian Day Number = 2183768.5, Delta T = 11m17s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°30'57, Lahiri = 13°37'57 Julian Calendar 1 Nov. 1266 == Greg. Calendar 8 Nov. 1266

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ASTRODIENST EPHEMERIS for the year 1266
geocentric

DECEMBER 1266 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 7 26	16♐23'42	16♑34	6♑30	15♑27	11°R42	17°R16	23°R30	5°R56	15°R33	23♐ 8	23♐ 3	23♐21	14♒48	16♏55	W 1
T 2	5 11 23	17°24'52	28°34	7°33	16°42	11♋24	17♋10	23♊25	5♉54	15♎32	23°10	23° 4	23°18	14°54	17° 3	T 2
F 3	5 15 19	18°26'01	10♒27	8°30	17°56	11° 5	17° 4	23°20	5°53	15°31	23°12	23° 5	23°14	15° 1	17°10	F 3
S 4	5 19 16	19°27'11	22°17	9°22	19°10	10°46	16°58	23°15	5°51	15°30	23°14	23° 5	23°11	15° 8	17°17	S 4
S 5	5 23 12	20°28'21	4♓ 8	10° 7	20°24	10°26	16°51	23°10	5°49	15°30	23°16	23° 5	23° 8	15°14	17°24	S 5
M 6	5 27 9	21°29'32	16° 4	10°45	21°39	10° 5	16°45	23° 5	5°48	15°29	23°19	23° 6	23° 5	15°21	17°31	M 6
T 7	5 31 5	22°30'42	28°11	11°15	22°53	9°44	16°38	23° 0	5°46	15°28	23°21	23° 6	23° 2	15°28	17°38	T 7
W 8	5 35 2	23°31'52	10♈32	11°35	24° 7	9°23	16°31	22°55	5°45	15°27	23°23	23° 6	22°58	15°34	17°45	W 8
T 9	5 38 58	24°33'03	23°13	11°R45	25°21	9° 1	16°24	22°50	5°44	15°26	23°25	23° 6	22°55	15°41	17°52	T 9
F 10	5 42 55	25°34'13	6♉16	11°45	26°35	8°38	16°17	22°45	5°42	15°25	23°27	23° 6	22°52	15°48	17°59	F 10
S 11	5 46 52	26°35'23	19°44	11°33	27°49	8°16	16°10	22°40	5°41	15°24	23°29	23° 6	22°49	15°55	18° 6	S 11
S 12	5 50 48	27°36'34	3♊36	11° 9	29° 3	7°53	16° 2	22°35	5°40	15°23	23°32	23° 7	22°46	16° 1	18°13	S 12
M13	5 54 45	28°37'44	17°52	10°33	0♒17	7°29	15°55	22°30	5°38	15°22	23°34	23°R 7	22°43	16° 8	18°20	M13
T 14	5 58 41	29°38'54	2♋27	9°46	1°31	7° 6	15°48	22°26	5°37	15°21	23°36	23° 7	22°39	16°15	18°26	T 14
W15	6 2 38	0♑40'05	17°15	8°48	2°45	6°42	15°40	22°21	5°36	15°20	23°38	23° 6	22°36	16°21	18°33	W15
T 16	6 6 34	1°41'15	2♌ 8	7°42	3°59	6°18	15°33	22°16	5°35	15°19	23°40	23° 6	22°33	16°28	18°40	T 16
F 17	6 10 31	2°42'26	16°58	6°28	5°13	5°54	15°25	22°11	5°34	15°18	23°43	23° 4	22°30	16°35	18°46	F 17
S 18	6 14 27	3°43'36	1♍38	5° 9	6°26	5°30	15°17	22° 6	5°33	15°17	23°45	23° 3	22°27	16°41	18°53	S 18
S 19	6 18 24	4°44'47	16° 3	3°49	7°40	5° 6	15° 9	22° 1	5°32	15°16	23°47	23° 2	22°24	16°48	18°59	S 19
M20	6 22 21	5°45'58	0♎10	2°28	8°54	4°42	15° 1	21°57	5°31	15°15	23°49	23°D 2	22°20	16°55	19° 5	M20
T 21	6 26 17	6°47'09	13°57	1°11	10° 8	4°19	14°54	21°52	5°30	15°13	23°51	23° 2	22°17	17° 2	19°12	T 21
W22	6 30 14	7°48'20	27°24	29♐59	11°21	3°55	14°46	21°47	5°29	15°12	23°53	23° 2	22°14	17° 8	19°18	W22
T 23	6 34 10	8°49'31	10♏34	28°54	12°35	3°31	14°38	21°42	5°29	15°11	23°55	23° 4	22°11	17°15	19°24	T 23
F 24	6 38 7	9°50'42	23°27	27°57	13°48	3° 8	14°30	21°38	5°28	15° 9	23°57	23° 5	22° 8	17°22	19°30	F 24
S 25	6 42 3	10°51'53	6♐ 6	27° 9	15° 2	2°45	14°21	21°33	5°27	15° 8	24° 0	23° 6	22° 4	17°28	19°36	S 25
S 26	6 46 0	11°53'04	18°33	26°31	16°15	2°23	14°13	21°29	5°27	15° 7	24° 2	23°R 7	22° 1	17°35	19°42	S 26
M27	6 49 56	12°54'14	0♑50	26° 3	17°29	2° 0	14° 5	21°24	5°26	15° 6	24° 4	23° 7	21°58	17°42	19°48	M27
T 28	6 53 53	13°55'24	12°58	25°44	18°42	1°38	13°57	21°20	5°26	15° 4	24° 6	23° 6	21°55	17°48	19°54	T 28
W29	6 57 50	14°56'34	24°59	25°35	19°56	1°17	13°49	21°16	5°25	15° 3	24° 8	23° 3	21°52	17°55	20° 0	W29
T 30	7 1 46	15°57'43	6♒54	25°D34	21° 9	0°56	13°41	21°11	5°25	15° 1	24°10	23° 0	21°49	18° 2	20° 5	T 30
F 31	7 5 43	16♑58'51	18♒45	25♐42	22♒22	0♋36	13♋33	21♊ 7	5♉24	15♌ 0	24♐12	22♐55	21♐45	18♒ 9	20♏11	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s50	20s24	2n 7	25s11	1s49	24s20	1s42	26n 5	3n 5	22n39	0n15	22n12	1s10	13n 9	0s26	16n33	0n20	18s19	5n 2	23s21	23s22	12s36	15s13	1n49
T 2	22 56	17 31	3 5	25 0	1 41	24 11	1 43	26 9	3 8	22 40	0 15	22 12	1 10	13 8	0 26	16 34	0 20	18 20	5 2	23 21	23 22	12 34	15 14	1 50
F 3	23 2	13 56	3 54	24 48	1 32	24 3	1 44	26 14	3 10	22 41	0 15	22 12	1 10	13 8	0 26	16 34	0 20	18 20	5 2	23 21	23 22	12 31	15 16	1 50
S 4	23 7	9 50	4 33	24 34	1 22	23 53	1 45	26 18	3 13	22 42	0 15	22 12	1 10	13 7	0 26	16 34	0 20	18 20	5 2	23 21	23 21	12 29	15 18	1 50
S 5	23 11	5 22	5 0	24 20	1 11	23 43	1 46	26 22	3 15	22 43	0 15	22 12	1 10	13 7	0 26	16 34	0 20	18 20	5 2	23 21	23 21	12 27	15 20	1 51
M 6	23 16	0 40	5 15	24 5	0 59	23 32	1 46	26 26	3 17	22 44	0 15	22 12	1 10	13 6	0 26	16 35	0 20	18 21	5 2	23 21	23 21	12 24	15 21	1 51
T 7	23 19	4n 7	5 16	23 48	0 45	23 21	1 47	26 30	3 20	22 45	0 16	22 12	1 9	13 6	0 26	16 35	0 20	18 21	5 2	23 21	23 21	12 22	15 23	1 51
W 8	23 23	8 50	5 3	23 32	0 30	23 8	1 47	26 34	3 22	22 46	0 16	22 11	1 9	13 5	0 26	16 35	0 20	18 21	5 1	23 21	23 21	12 19	15 24	1 52
T 9	23 25	13 18	4 35	23 15	0 14	22 55	1 48	26 37	3 24	22 47	0 16	22 11	1 9	13 5	0 26	16 35	0 20	18 21	5 1	23 21	23 21	12 17	15 26	1 52
F 10	23 28	17 18	3 52	22 58	0n 3	22 42	1 48	26 41	3 26	22 48	0 16	22 11	1 9	13 4	0 26	16 36	0 20	18 21	5 1	23 21	23 20	12 14	15 28	1 52
S 11	23 29	20 33	2 55	22 41	0 21	22 27	1 49	26 44	3 28	22 49	0 16	22 11	1 9	13 4	0 26	16 36	0 20	18 22	5 1	23 21	23 20	12 12	15 29	1 53
S 12	23 31	22 42	1 46	22 24	0 40	22 12	1 49	26 48	3 30	22 50	0 16	22 11	1 9	13 3	0 26	16 36	0 20	18 22	5 1	23 21	23 20	12 9	15 31	1 53
M13	23 32	23 28	0 29	22 7	1 0	21 57	1 49	26 51	3 32	22 51	0 16	22 11	1 9	13 3	0 26	16 37	0 20	18 22	5 1	23 21	23 20	12 7	15 32	1 53
T 14	23 32	22 39	0s52	21 51	1 19	21 40	1 49	26 54	3 34	22 52	0 17	22 10	1 9	13 3	0 26	16 37	0 20	18 22	5 1	23 21	23 20	12 4	15 34	1 54
W15	23 32	20 16	2 10	21 36	1 39	21 24	1 49	26 57	3 36	22 53	0 17	22 10	1 9	13 2	0 26	16 37	0 20	18 22	5 1	23 21	23 20	12 2	15 35	1 54
T 16	23 31	16 31	3 20	21 21	1 58	21 6	1 49	27 0	3 37	22 54	0 17	22 10	1 8	13 2	0 26	16 38	0 20	18 22	5 1	23 21	23 19	11 59	15 37	1 55
F 17	23 30	11 44	4 16	21 7	2 15	20 48	1 49	27 3	3 39	22 55	0 17	22 10	1 8	13 2	0 25	16 38	0 20	18 23	5 1	23 21	23 19	11 57	15 38	1 55
S 18	23 29	6 20	4 55	20 55	2 31	20 29	1 49	27 5	3 40	22 56	0 17	22 10	1 8	13 1	0 25	16 38	0 20	18 23	5 1	23 21	23 19	11 54	15 39	1 55
S 19	23 27	0 42	5 15	20 43	2 46	20 10	1 48	27 8	3 42	22 57	0 17	22 10	1 8	13 1	0 25	16 39	0 20	18 23	5 1	23 21	23 19	11 52	15 41	1 56
M20	23 24	4s52	5 14	20 33	2 57	19 50	1 48	27 10	3 43	22 58	0 18	22 9	1 8	13 1	0 25	16 39	0 20	18 23	5 0	23 21	23 19	11 50	15 42	1 56
T 21	23 22	10 4	4 56	20 25	3 7	19 30	1 47	27 12	3 44	23 0	0 18	22 9	1 8	13 1	0 25	16 39	0 20	18 23	5 0	23 21	23 19	11 47	15 43	1 56
W22	23 18	14 39	4 22	20 18	3 14	19 9	1 47	27 13	3 45	23 1	0 18	22 9	1 8	13 0	0 25	16 40	0 20	18 23	5 0	23 21	23 18	11 45	15 45	1 57
T 23	23 14	18 26	3 34	20 13	3 18	18 48	1 46	27 15	3 46	23 2	0 18	22 9	1 8	13 0	0 25	16 40	0 20	18 24	5 0	23 21	23 18	11 42	15 46	1 57
F 24	23 10	21 14	2 37	20 11	3 20	18 26	1 45	27 17	3 47	23 3	0 18	22 9	1 7	13 0	0 25	16 41	0 20	18 24	5 0	23 21	23 18	11 40	15 47	1 58
S 25	23 5	22 56	1 33	20 10	3 20	18 3	1 44	27 18	3 48	23 4	0 18	22 9	1 7	13 0	0 25	16 41	0 20	18 24	5 0	23 21	23 18	11 37	15 49	1 58
S 26	23 0	23 27	0 25	20 11	3 19	17 40	1 44	27 19	3 48	23 5	0 18	22 9	1 7	13 0	0 25	16 41	0 20	18 24	5 0	23 21	23 18	11 35	15 50	1 58
M27	22 54	22 49	0n42	20 14	3 15	17 17	1 43	27 20	3 49	23 6	0 19	22 8	1 7	12 59	0 25	16 42	0 20	18 24	5 0	23 21	23 17	11 32	15 51	1 59
T 28	22 48	21 7	1 47	20 18	3 10	16 53	1 41	27 21	3 49	23 7	0 19	22 8	1 7	12 59	0 25	16 42	0 20	18 24	5 0	23 21	23 17	11 30	15 52	1 59
W29	22 42	18 29	2 47	20 24	3 4	16 29	1 40	27 21	3 50	23 8	0 19	22 8	1 7	12 59	0 25	16 43	0 20	18 24	5 0	23 21	23 17	11 27	15 53	2 0
T 30	22 35	15 6	3 38	20 31	2 57	16 4	1 39	27 22	3 50	23 9	0 19	22 8	1 6	12 59	0 25	16 43	0 20	18 25	5 0	23 21	23 17	11 25	15 54	2 0
F 31	22s27	11s 9	4n20	20s39	2n49	15s39	1s38	27n22	3n50	23n10	0n19	22n 8	1s 6	12n59	0s25	16n44	0n20	18s25	5n 0	23s21	23s17	11s22	15s55	2n 0

Julian Day Number = 2183798.5, Delta T = 11m17s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'01, Lahiri = 13°38'01 Julian Calendar 1 Dec. 1266 == Greg. Calendar 8 Dec. 1266

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ASTRODIENST EPHEMERIS for the year 1267
geocentric

JANUARY 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 9 39	17♑59'58	0♓35	25♐57	23♒35	0°R16	13°R25	21°R 3	5°R24	14°R58	24♐14	22°R51	21♐42	18♒15	20♏16	S 1
S 2	7 13 36	19° 1'04	12°27	26°19	24°48	29♊57	13♋17	20♊59	5♉24	14♌57	24°16	22♐47	21°39	18°22	20°22	S 2
M 3	7 17 32	20° 2'10	24°23	26°47	26° 1	29°38	13° 9	20°55	5°24	14°56	24°18	22°43	21°36	18°29	20°27	M 3
T 4	7 21 29	21° 3'15	6♈27	27°21	27°14	29°21	13° 1	20°51	5°24	14°54	24°20	22°41	21°33	18°35	20°32	T 4
W 5	7 25 25	22° 4'18	18°44	28° 0	28°27	29° 3	12°53	20°47	5°24	14°53	24°22	22°D40	21°30	18°42	20°38	W 5
T 6	7 29 22	23° 5'21	1♉17	28°44	29°40	28°47	12°45	20°43	5°D23	14°51	24°24	22°40	21°26	18°49	20°43	T 6
F 7	7 33 19	24° 6'22	14°13	29°32	0♓53	28°31	12°37	20°39	5°23	14°49	24°26	22°41	21°23	18°55	20°48	F 7
S 8	7 37 15	25° 7'22	27°33	0♑24	2° 5	28°16	12°30	20°36	5°24	14°48	24°28	22°43	21°20	19° 2	20°53	S 8
S 9	7 41 12	26° 8'21	11♊22	1°19	3°18	28° 2	12°22	20°32	5°24	14°46	24°30	22°44	21°17	19° 9	20°58	S 9
M10	7 45 8	27° 9'19	25°38	2°17	4°31	27°48	12°15	20°29	5°24	14°45	24°32	22°R45	21°14	19°16	21° 2	M10
T 11	7 49 5	28°10'16	10♋19	3°19	5°43	27°36	12° 7	20°25	5°24	14°43	24°34	22°43	21°10	19°22	21° 7	T 11
W12	7 53 1	29°11'12	25°21	4°23	6°55	27°24	12° 0	20°22	5°24	14°42	24°36	22°40	21° 7	19°29	21°12	W12
T 13	7 56 58	0♒12'07	10♌34	5°29	8° 8	27°12	11°52	20°19	5°25	14°40	24°37	22°36	21° 4	19°36	21°16	T 13
F 14	8 0 55	1°13'00	25°48	6°38	9°20	27° 2	11°45	20°16	5°25	14°38	24°39	22°30	21° 1	19°42	21°21	F 14
S 15	8 4 51	2°13'53	10♍52	7°48	10°32	26°53	11°38	20°13	5°26	14°37	24°41	22°24	20°58	19°49	21°25	S 15
S 16	8 8 48	3°14'44	25°39	9° 1	11°44	26°44	11°31	20°10	5°26	14°35	24°43	22°18	20°55	19°56	21°29	S 16
M17	8 12 44	4°15'35	10♎ 1	10°15	12°56	26°36	11°24	20° 7	5°27	14°33	24°45	22°14	20°51	20° 2	21°33	M17
T 18	8 16 41	5°16'24	23°56	11°30	14° 8	26°29	11°17	20° 4	5°27	14°32	24°46	22°12	20°48	20° 9	21°37	T 18
W19	8 20 37	6°17'13	7♏25	12°48	15°19	26°22	11°10	20° 1	5°28	14°30	24°48	22°D11	20°45	20°16	21°41	W19
T 20	8 24 34	7°18'01	20°29	14° 6	16°31	26°17	11° 4	19°59	5°29	14°28	24°50	22°12	20°42	20°23	21°45	T 20
F 21	8 28 30	8°18'48	3♐12	15°26	17°43	26°12	10°57	19°56	5°29	14°27	24°52	22°13	20°39	20°29	21°49	F 21
S 22	8 32 27	9°19'34	15°38	16°47	18°54	26° 8	10°51	19°54	5°30	14°25	24°53	22°14	20°36	20°36	21°53	S 22
S 23	8 36 24	10°20'18	27°51	18°10	20° 6	26° 5	10°45	19°52	5°31	14°23	24°55	22°R14	20°32	20°43	21°56	S 23
M24	8 40 20	11°21'02	9♑55	19°33	21°17	26° 2	10°39	19°50	5°32	14°22	24°57	22°13	20°29	20°49	22° 0	M24
T 25	8 44 17	12°21'44	21°52	20°58	22°28	26° 1	10°33	19°48	5°33	14°20	24°58	22° 8	20°26	20°56	22° 3	T 25
W26	8 48 13	13°22'25	3♒46	22°24	23°39	26° 0	10°27	19°46	5°34	14°18	25° 0	22° 2	20°23	21° 3	22° 7	W26
T 27	8 52 10	14°23'04	15°37	23°51	24°50	26°D 0	10°21	19°44	5°35	14°17	25° 1	21°53	20°20	21°10	22°10	T 27
F 28	8 56 6	15°23'42	27°28	25°18	26° 1	26° 0	10°16	19°42	5°36	14°15	25° 3	21°42	20°16	21°16	22°13	F 28
S 29	9 0 3	16°24'18	9♓20	26°47	27°12	26° 2	10°11	19°40	5°37	14°13	25° 4	21°31	20°13	21°23	22°16	S 29
S 30	9 3 59	17°24'53	21°15	28°17	28°22	26° 4	10° 5	19°39	5°38	14°12	25° 6	21°20	20°10	21°30	22°19	S 30
M31	9 7 56	18♒25'25	3♈14	29♑48	29♓33	26♊ 7	10♋ 0	19♊38	5♉40	14♌10	25♐ 7	21♐10	20♐ 7	21♒36	22♏22	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s19	6s47	4n50	20s48	2n40	15s13	1s36	27n22	3n50	23n10	0n19	22n 8	1s 6	12n59	0s25	16n44	0n20	18s25	5n 0	23s20	23s16	11s20	15s57	2n 1	S 1
S 2	22 11	2 10	5 8	20 58	2 31	14 47	1 35	27 22	3 50	23 11	0 19	22 8	1 6	12 59	0 25	16 44	0 21	18 25	5 0	23 20	23 16	11 17	15 58	2 1	S 2
M 3	22 2	2n33	5 13	21 8	2 21	14 21	1 33	27 22	3 50	23 12	0 20	22 8	1 6	12 59	0 25	16 45	0 21	18 25	5 0	23 20	23 16	11 15	15 59	2 2	M 3
T 4	21 53	7 13	5 5	21 19	2 12	13 54	1 31	27 22	3 50	23 13	0 20	22 7	1 6	12 59	0 25	16 45	0 21	18 25	5 0	23 20	23 16	11 12	16 0	2 2	T 4
W 5	21 43	11 42	4 42	21 30	2 2	13 27	1 29	27 21	3 50	23 14	0 20	22 7	1 5	12 59	0 25	16 46	0 21	18 25	5 0	23 20	23 16	11 10	16 1	2 3	W 5
T 6	21 33	15 48	4 5	21 40	1 52	13 0	1 28	27 21	3 49	23 15	0 20	22 7	1 5	12 59	0 25	16 46	0 21	18 25	5 0	23 20	23 15	11 7	16 1	2 3	T 6
F 7	21 22	19 16	3 15	21 51	1 41	12 32	1 26	27 20	3 49	23 16	0 20	22 7	1 5	12 59	0 25	16 47	0 21	18 26	5 0	23 20	23 15	11 5	16 2	2 3	F 7
S 8	21 12	21 51	2 13	22 1	1 31	12 4	1 24	27 20	3 48	23 17	0 20	22 7	1 5	12 59	0 25	16 47	0 21	18 26	5 0	23 20	23 15	11 2	16 3	2 4	S 8
S 9	21 0	23 15	1 2	22 10	1 21	11 36	1 21	27 19	3 48	23 18	0 20	22 7	1 5	12 59	0 25	16 48	0 21	18 26	5 0	23 20	23 15	11 0	16 4	2 4	S 9
M10	20 49	23 12	0s16	22 20	1 11	11 7	1 19	27 18	3 47	23 18	0 20	22 7	1 5	12 59	0 25	16 48	0 21	18 26	5 0	23 20	23 15	10 57	16 5	2 5	M10
T 11	20 37	21 34	1 34	22 28	1 1	10 39	1 17	27 17	3 46	23 19	0 21	22 7	1 4	12 59	0 25	16 49	0 21	18 26	5 0	23 20	23 14	10 55	16 6	2 5	T 11
W12	20 24	18 24	2 48	22 36	0 52	10 9	1 15	27 16	3 46	23 20	0 21	22 7	1 4	12 59	0 25	16 49	0 21	18 26	5 0	23 20	23 14	10 52	16 6	2 6	W12
T 13	20 11	13 57	3 51	22 43	0 42	9 40	1 12	27 15	3 45	23 21	0 21	22 7	1 4	12 59	0 25	16 50	0 21	18 26	5 0	23 20	23 14	10 50	16 7	2 6	T 13
F 14	19 58	8 37	4 37	22 49	0 33	9 10	1 10	27 14	3 44	23 22	0 21	22 7	1 4	13 0	0 25	16 50	0 21	18 26	5 0	23 19	23 14	10 47	16 8	2 7	F 14
S 15	19 44	2 50	5 4	22 55	0 23	8 41	1 7	27 13	3 43	23 22	0 21	22 7	1 4	13 0	0 25	16 51	0 21	18 26	5 0	23 19	23 13	10 45	16 9	2 7	S 15
S 16	19 30	3s 0	5 10	22 59	0 14	8 11	1 4	27 12	3 42	23 23	0 21	22 7	1 4	13 0	0 25	16 51	0 21	18 26	5 0	23 19	23 13	10 42	16 9	2 7	S 16
M17	19 16	8 30	4 55	23 3	0 5	7 40	1 1	27 11	3 41	23 24	0 21	22 7	1 3	13 0	0 25	16 52	0 21	18 26	5 0	23 18	23 13	10 40	16 10	2 8	M17
T 18	19 2	13 24	4 24	23 5	0s 3	7 10	0 59	27 10	3 40	23 24	0 21	22 7	1 3	13 0	0 25	16 52	0 21	18 26	5 0	23 18	23 13	10 37	16 10	2 8	T 18
W19	18 47	17 29	3 39	23 7	0 12	6 40	0 56	27 8	3 39	23 25	0 21	22 7	1 3	13 1	0 25	16 53	0 21	18 26	5 0	23 18	23 13	10 35	16 11	2 9	W19
T 20	18 31	20 34	2 43	23 7	0 20	6 9	0 53	27 7	3 38	23 26	0 22	22 7	1 3	13 1	0 24	16 53	0 21	18 27	5 0	23 18	23 12	10 32	16 12	2 9	T 20
F 21	18 15	22 32	1 41	23 6	0 28	5 38	0 49	27 6	3 37	23 26	0 22	22 7	1 3	13 1	0 24	16 54	0 21	18 27	5 0	23 18	23 12	10 30	16 12	2 10	F 21
S 22	17 59	23 21	0 36	23 4	0 35	5 7	0 46	27 5	3 36	23 27	0 22	22 7	1 2	13 1	0 24	16 54	0 21	18 27	5 0	23 18	23 12	10 27	16 13	2 10	S 22
S 23	17 43	23 1	0n30	23 0	0 43	4 36	0 43	27 3	3 35	23 28	0 22	22 7	1 2	13 2	0 24	16 55	0 21	18 27	5 0	23 18	23 12	10 25	16 13	2 11	S 23
M24	17 27	21 36	1 34	22 56	0 50	4 5	0 40	27 2	3 34	23 28	0 22	22 7	1 2	13 2	0 24	16 55	0 21	18 27	5 0	23 18	23 11	10 22	16 14	2 11	M24
T 25	17 10	19 14	2 33	22 50	0 57	3 33	0 36	27 1	3 32	23 29	0 22	22 7	1 2	13 2	0 24	16 56	0 21	18 27	5 0	23 18	23 11	10 19	16 14	2 12	T 25
W26	16 52	16 5	3 24	22 43	1 4	3 2	0 33	27 0	3 31	23 29	0 22	22 7	1 2	13 3	0 24	16 56	0 21	18 27	5 0	23 18	23 11	10 17	16 14	2 12	W26
T 27	16 35	12 17	4 7	22 34	1 10	2 31	0 29	26 58	3 30	23 30	0 22	22 7	1 1	13 3	0 24	16 57	0 21	18 27	5 0	23 17	23 11	10 14	16 15	2 13	T 27
F 28	16 17	8 2	4 38	22 24	1 16	1 59	0 26	26 57	3 29	23 30	0 22	22 7	1 1	13 4	0 24	16 57	0 21	18 27	5 0	23 16	23 11	10 12	16 15	2 13	F 28
S 29	15 59	3 30	4 58	22 13	1 22	1 28	0 22	26 56	3 27	23 31	0 22	22 7	1 1	13 4	0 24	16 58	0 21	18 27	5 0	23 16	23 10	10 9	16 15	2 14	S 29
S 30	15 41	1n11	5 5	22 1	1 27	0 56	0 19	26 55	3 26	23 31	0 22	22 7	1 1	13 4	0 24	16 58	0 21	18 27	5 0	23 15	23 10	10 7	16 16	2 14	S 30
M31	15s22	5n51	4n58	21s47	1s32	0s24	0s15	26n53	3n25	23n32	0n23	22n 7	1s 1	13n 5	0s24	16n59	0n21	18s27	5n 0	23s14	23s10	10s 4	16s16	2n15	M31

Julian Day Number = 2183829.5, Delta T = 11m17s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'05, Lahiri = 13°38'06 Julian Calendar 1 Jan. 1267 == Greg. Calendar 8 Jan. 1267

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ASTRODIENST EPHEMERIS for the year 1267
geocentric

FEBRUARY 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 11 53	19♒25'56	15♈20	1♒19	0♈43	26♊10	9°R56	19°R36	5♉41	14°R 8	25♐ 9	21°R 3	20♐ 4	21♒43	22♏24	T 1
W 2	9 15 49	20°26'26	27°37	2°52	1°53	26°14	9♋51	19♊35	5°42	14♌ 7	25°10	20♐57	20° 1	21°50	22°27	W 2
T 3	9 19 46	21°26'53	10♉ 8	4°25	3° 3	26°19	9°47	19°34	5°44	14° 5	25°12	20°55	19°57	21°56	22°30	T 3
F 4	9 23 42	22°27'18	22°57	6° 0	4°13	26°25	9°42	19°33	5°45	14° 3	25°13	20°D54	19°54	22° 3	22°32	F 4
S 5	9 27 39	23°27'42	6♊ 8	7°36	5°23	26°31	9°38	19°32	5°47	14° 2	25°14	20°54	19°51	22°10	22°34	S 5
S 6	9 31 35	24°28'03	19°45	9°12	6°32	26°38	9°34	19°31	5°48	14° 0	25°16	20°R55	19°48	22°17	22°36	S 6
M 7	9 35 32	25°28'23	3♋49	10°49	7°42	26°46	9°31	19°31	5°50	13°58	25°17	20°54	19°45	22°23	22°39	M 7
T 8	9 39 28	26°28'40	18°21	12°28	8°51	26°54	9°27	19°30	5°52	13°57	25°18	20°51	19°41	22°30	22°41	T 8
W 9	9 43 25	27°28'56	3♌18	14° 7	10° 0	27° 3	9°24	19°30	5°53	13°55	25°20	20°46	19°38	22°37	22°42	W 9
T 10	9 47 22	28°29'09	18°32	15°48	11° 9	27°12	9°20	19°30	5°55	13°53	25°21	20°38	19°35	22°43	22°44	T 10
F 11	9 51 18	29°29'20	3♍53	17°29	12°18	27°22	9°17	19°29	5°57	13°52	25°22	20°28	19°32	22°50	22°46	F 11
S 12	9 55 15	0♓29'30	19°10	19°12	13°27	27°33	9°15	19°D29	5°59	13°50	25°23	20°18	19°29	22°57	22°47	S 12
S 13	9 59 11	1°29'38	4♎11	20°55	14°35	27°44	9°12	19°29	6° 1	13°49	25°24	20° 8	19°26	23° 4	22°49	S 13
M14	10 3 8	2°29'44	18°48	22°40	15°44	27°55	9° 9	19°30	6° 2	13°47	25°25	20° 0	19°22	23°10	22°50	M14
T 15	10 7 4	3°29'49	2♏56	24°25	16°52	28° 7	9° 7	19°30	6° 4	13°45	25°26	19°54	19°19	23°17	22°51	T 15
W16	10 11 1	4°29'52	16°34	26°12	18° 0	28°20	9° 5	19°30	6° 6	13°44	25°28	19°50	19°16	23°24	22°53	W16
T 17	10 14 57	5°29'53	29°43	28° 0	19° 7	28°33	9° 3	19°31	6° 8	13°42	25°29	19°49	19°13	23°30	22°54	T 17
F 18	10 18 54	6°29'53	12♐26	29°49	20°15	28°47	9° 2	19°31	6°11	13°41	25°30	19°D49	19°10	23°37	22°54	F 18
S 19	10 22 50	7°29'51	24°50	1♓39	21°22	29° 1	9° 0	19°32	6°13	13°39	25°30	19°R49	19° 7	23°44	22°55	S 19
S 20	10 26 47	8°29'48	6♑58	3°30	22°29	29°16	8°59	19°33	6°15	13°38	25°31	19°48	19° 3	23°51	22°56	S 20
M21	10 30 44	9°29'42	18°56	5°23	23°36	29°31	8°58	19°34	6°17	13°36	25°32	19°45	19° 0	23°57	22°57	M21
T 22	10 34 40	10°29'35	0♒48	7°16	24°43	29°46	8°57	19°35	6°19	13°35	25°33	19°39	18°57	24° 4	22°57	T 22
W23	10 38 37	11°29'26	12°38	9°11	25°50	0♋ 3	8°56	19°36	6°22	13°33	25°34	19°30	18°54	24°11	22°57	W23
T 24	10 42 33	12°29'15	24°28	11° 6	26°56	0°19	8°56	19°37	6°24	13°32	25°35	19°18	18°51	24°17	22°58	T 24
F 25	10 46 30	13°29'03	6♓20	13° 3	28° 2	0°36	8°55	19°39	6°26	13°31	25°36	19° 4	18°47	24°24	22°58	F 25
S 26	10 50 26	14°28'48	18°17	15° 0	29° 8	0°53	8°D55	19°40	6°29	13°29	25°36	18°49	18°44	24°31	22°R58	S 26
S 27	10 54 23	15°28'31	0♈18	16°59	0♉13	1°11	8°55	19°42	6°31	13°28	25°37	18°35	18°41	24°37	22°58	S 27
M28	10 58 19	16♓28'12	12♈26	18♓58	1♉19	1♋29	8♋56	19♊44	6♉34	13♌26	25♐38	18♐22	18♐38	24♒44	22♏58	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 3	10n20	4n38	21s31	1s37	0n 7	0s11	26n52	3n23	23n32	0n23	22n 7	1s 0	13n 5	0s24	16n59	0n21	18s27	5n 0	23s14	23s10	10s 2	16s16	2n15
W 2	14 44	14 28	4 5	21 15	1 42	0 39	0 7	26 51	3 22	23 33	0 23	22 7	1 0	13 6	0 24	17 0	0 21	18 27	5 0	23 13	23 9	9 59	16 16	2 16
T 3	14 25	18 4	3 20	20 57	1 46	1 10	0 3	26 50	3 21	23 33	0 23	22 7	1 0	13 6	0 24	17 0	0 21	18 27	5 0	23 13	23 9	9 57	16 16	2 16
F 4	14 5	20 54	2 23	20 37	1 50	1 42	0n 1	26 48	3 19	23 33	0 23	22 8	1 0	13 7	0 24	17 1	0 21	18 27	5 0	23 13	23 9	9 54	16 16	2 17
S 5	13 45	22 42	1 18	20 16	1 53	2 13	0 5	26 47	3 18	23 34	0 23	22 8	1 0	13 7	0 24	17 1	0 21	18 27	5 0	23 13	23 9	9 52	16 17	2 17
S 6	13 25	23 14	0 6	19 54	1 56	2 45	0 9	26 46	3 17	23 34	0 23	22 8	0 59	13 8	0 24	17 2	0 21	18 27	5 0	23 13	23 8	9 49	16 17	2 18
M 7	13 5	22 21	1s 8	19 30	1 59	3 16	0 13	26 45	3 15	23 34	0 23	22 8	0 59	13 8	0 24	17 2	0 21	18 27	5 0	23 13	23 8	9 47	16 17	2 18
T 8	12 44	19 57	2 21	19 5	2 2	3 47	0 17	26 44	3 14	23 35	0 23	22 8	0 59	13 9	0 24	17 3	0 21	18 27	5 0	23 13	23 8	9 44	16 17	2 19
W 9	12 24	16 10	3 25	18 38	2 4	4 19	0 22	26 43	3 13	23 35	0 23	22 8	0 59	13 10	0 24	17 3	0 21	18 27	5 0	23 13	23 8	9 42	16 17	2 19
T 10	12 3	11 16	4 17	18 9	2 5	4 50	0 26	26 42	3 11	23 35	0 23	22 9	0 59	13 10	0 24	17 4	0 21	18 27	5 0	23 12	23 7	9 39	16 17	2 20
F 11	11 42	5 37	4 50	17 40	2 7	5 21	0 30	26 40	3 10	23 36	0 23	22 9	0 58	13 11	0 24	17 4	0 21	18 27	5 0	23 11	23 7	9 37	16 17	2 20
S 12	11 21	0s20	5 2	17 8	2 7	5 51	0 35	26 39	3 9	23 36	0 23	22 9	0 58	13 11	0 24	17 4	0 21	18 27	5 0	23 11	23 7	9 34	16 16	2 21
S 13	10 59	6 9	4 53	16 36	2 8	6 22	0 39	26 38	3 7	23 36	0 23	22 9	0 58	13 12	0 24	17 5	0 21	18 27	5 0	23 10	23 7	9 31	16 16	2 21
M14	10 38	11 29	4 25	16 2	2 8	6 53	0 43	26 37	3 6	23 36	0 24	22 9	0 58	13 13	0 24	17 5	0 21	18 27	5 0	23 9	23 6	9 29	16 16	2 22
T 15	10 16	16 0	3 42	15 26	2 7	7 23	0 48	26 36	3 5	23 37	0 24	22 10	0 58	13 13	0 24	17 6	0 21	18 27	5 0	23 9	23 6	9 26	16 16	2 22
W16	9 54	19 31	2 47	14 49	2 6	7 54	0 52	26 35	3 3	23 37	0 24	22 10	0 57	13 14	0 24	17 6	0 21	18 27	5 0	23 9	23 6	9 24	16 16	2 23
T 17	9 32	21 52	1 45	14 10	2 5	8 24	0 57	26 33	3 2	23 37	0 24	22 10	0 57	13 15	0 24	17 7	0 21	18 27	5 1	23 8	23 6	9 21	16 15	2 23
F 18	9 10	23 1	0 39	13 30	2 3	8 53	1 1	26 32	3 1	23 37	0 24	22 10	0 57	13 16	0 24	17 7	0 21	18 27	5 1	23 8	23 5	9 19	16 15	2 24
S 19	8 47	22 59	0n27	12 48	2 1	9 23	1 6	26 31	2 59	23 37	0 24	22 11	0 57	13 16	0 24	17 8	0 21	18 27	5 1	23 8	23 5	9 16	16 15	2 24
S 20	8 25	21 52	1 30	12 5	1 58	9 53	1 11	26 30	2 58	23 38	0 24	22 11	0 57	13 17	0 24	17 8	0 21	18 27	5 1	23 8	23 5	9 14	16 15	2 25
M21	8 2	19 45	2 28	11 21	1 54	10 22	1 15	26 29	2 57	23 38	0 24	22 11	0 56	13 18	0 24	17 9	0 21	18 27	5 1	23 8	23 5	9 11	16 14	2 25
T 22	7 40	16 50	3 19	10 35	1 50	10 51	1 20	26 27	2 55	23 38	0 24	22 11	0 56	13 19	0 24	17 9	0 21	18 27	5 1	23 8	23 4	9 9	16 14	2 26
W23	7 17	13 14	4 1	9 47	1 46	11 20	1 25	26 26	2 54	23 38	0 24	22 12	0 56	13 19	0 24	17 9	0 21	18 27	5 1	23 7	23 4	9 6	16 13	2 26
T 24	6 54	9 8	4 32	8 59	1 41	11 48	1 29	26 25	2 53	23 38	0 24	22 12	0 56	13 20	0 24	17 10	0 21	18 27	5 1	23 6	23 4	9 4	16 13	2 27
F 25	6 31	4 42	4 52	8 9	1 35	12 17	1 34	26 23	2 51	23 38	0 24	22 12	0 56	13 21	0 24	17 10	0 21	18 27	5 1	23 5	23 4	9 1	16 13	2 27
S 26	6 8	0 4	4 59	7 18	1 29	12 45	1 39	26 22	2 50	23 38	0 24	22 13	0 55	13 22	0 24	17 11	0 21	18 27	5 1	23 4	23 3	8 58	16 12	2 28
S 27	5 45	4n36	4 53	6 25	1 22	13 12	1 43	26 21	2 49	23 38	0 24	22 13	0 55	13 23	0 23	17 11	0 21	18 27	5 1	23 2	23 3	8 56	16 12	2 28
M28	5s22	9n 8	4n34	5s32	1s15	13n40	1n48	26n19	2n48	23n38	0n24	22n13	0s55	13n23	0s23	17n11	0n21	18s27	5n 1	23s 1	23s 3	8s53	16s11	2n29

Julian Day Number = 2183860.5, Delta T = 11m17s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'09, Lahiri = 13°38'10 Julian Calendar 1 Feb. 1267 == Greg. Calendar 8 Feb. 1267

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ASTRODIENST EPHEMERIS for the year 1267
geocentric

MARCH 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 2 16	17♓27'51	24♈41	20♓57	2♉24	1♋48	8♋56	19♊45	6♉36	13°R25	25♐38	18°R11	18♐35	24♒51	22°R57	T 1
W 2	11 6 13	18°27'27	7♉ 6	22°58	3°29	2° 7	8°57	19°47	6°39	13♌24	25°39	18♐ 3	18°32	24°58	22♏57	W 2
T 3	11 10 9	19°27'02	19°42	24°58	4°33	2°26	8°58	19°49	6°41	13°22	25°40	17°59	18°28	25° 4	22°57	T 3
F 4	11 14 6	20°26'34	2♊32	26°59	5°38	2°46	8°59	19°52	6°44	13°21	25°40	17°57	18°25	25°11	22°56	F 4
S 5	11 18 2	21°26'04	15°41	29° 0	6°41	3° 6	9° 0	19°54	6°47	13°20	25°41	17°56	18°22	25°18	22°55	S 5
S 6	11 21 59	22°25'31	29°10	1♈ 0	7°45	3°26	9° 1	19°56	6°49	13°19	25°41	17°56	18°19	25°24	22°54	S 6
M 7	11 25 55	23°24'56	13♋ 3	3° 0	8°49	3°47	9° 3	19°59	6°52	13°17	25°42	17°55	18°16	25°31	22°54	M 7
T 8	11 29 52	24°24'19	27°20	4°58	9°52	4° 8	9° 5	20° 1	6°55	13°16	25°42	17°52	18°13	25°38	22°53	T 8
W 9	11 33 48	25°23'40	12♌ 0	6°56	10°54	4°29	9° 7	20° 4	6°57	13°15	25°43	17°47	18° 9	25°45	22°51	W 9
T 10	11 37 45	26°22'58	26°58	8°51	11°57	4°51	9° 9	20° 7	7° 0	13°14	25°43	17°39	18° 6	25°51	22°50	T 10
F 11	11 41 42	27°22'13	12♍ 7	10°45	12°59	5°13	9°11	20°10	7° 3	13°13	25°43	17°28	18° 3	25°58	22°49	F 11
S 12	11 45 38	28°21'27	27°16	12°36	14° 0	5°35	9°14	20°13	7° 6	13°12	25°44	17°17	18° 0	26° 5	22°48	S 12
S 13	11 49 35	29°20'38	12♎15	14°24	15° 2	5°58	9°17	20°16	7° 9	13°11	25°44	17° 6	17°57	26°11	22°46	S 13
M14	11 53 31	0♈19'47	26°55	16° 9	16° 2	6°21	9°20	20°19	7°12	13°10	25°44	16°57	17°53	26°18	22°44	M14
T 15	11 57 28	1°18'55	11♏ 8	17°50	17° 3	6°44	9°23	20°22	7°15	13° 9	25°44	16°51	17°50	26°25	22°43	T 15
W16	12 1 24	2°18'01	24°53	19°27	18° 3	7° 8	9°26	20°25	7°18	13° 8	25°44	16°46	17°47	26°32	22°41	W16
T 17	12 5 21	3°17'05	8♐ 8	20°59	19° 3	7°31	9°30	20°29	7°21	13° 7	25°45	16°45	17°44	26°38	22°39	T 17
F 18	12 9 17	4°16'07	20°58	22°27	20° 2	7°55	9°33	20°32	7°24	13° 6	25°45	16°D45	17°41	26°45	22°37	F 18
S 19	12 13 14	5°15'07	3♑25	23°50	21° 1	8°19	9°37	20°36	7°27	13° 5	25°45	16°R45	17°38	26°52	22°35	S 19
S 20	12 17 11	6°14'06	15°35	25° 7	21°59	8°44	9°41	20°40	7°30	13° 4	25°45	16°44	17°34	26°58	22°33	S 20
M21	12 21 7	7°13'02	27°34	26°19	22°57	9° 9	9°45	20°44	7°33	13° 3	25°R45	16°42	17°31	27° 5	22°31	M21
T 22	12 25 4	8°11'57	9♒26	27°25	23°55	9°34	9°49	20°48	7°36	13° 2	25°45	16°38	17°28	27°12	22°28	T 22
W23	12 29 0	9°10'50	21°16	28°26	24°52	9°59	9°54	20°52	7°39	13° 2	25°45	16°31	17°25	27°19	22°26	W23
T 24	12 32 57	10° 9'41	3♓ 7	29°20	25°48	10°24	9°59	20°56	7°42	13° 1	25°45	16°22	17°22	27°25	22°23	T 24
F 25	12 36 53	11° 8'31	15° 3	0♉ 8	26°44	10°50	10° 3	21° 0	7°45	13° 0	25°45	16°11	17°18	27°32	22°21	F 25
S 26	12 40 50	12° 7'18	27° 5	0°50	27°39	11°16	10° 8	21° 4	7°49	12°59	25°45	15°58	17°15	27°39	22°18	S 26
S 27	12 44 46	13° 6'03	9♈16	1°26	28°34	11°42	10°13	21° 9	7°52	12°59	25°44	15°46	17°12	27°45	22°15	S 27
M28	12 48 43	14° 4'47	21°36	1°56	29°29	12° 8	10°19	21°13	7°55	12°58	25°44	15°36	17° 9	27°52	22°13	M28
T 29	12 52 39	15° 3'28	4♉ 5	2°19	0♊22	12°35	10°24	21°18	7°58	12°57	25°44	15°27	17° 6	27°59	22°10	T 29
W30	12 56 36	16° 2'07	16°45	2°36	1°15	13° 2	10°30	21°22	8° 2	12°57	25°44	15°21	17° 3	28° 6	22° 7	W30
T 31	13 0 33	17♈ 0'45	29♉36	2♉46	2♊ 8	13♋29	10♋36	21♊27	8♉ 5	12♌56	25♐43	15♐17	16♐59	28♒12	22♏ 4	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s58	13n20	4n 2	4s37	1s 7	14n 7	1n53	26n18	2n46	23n38	0n24	22n14	0s55	13n24	0s23	17n12	0n21	18s27	5n 1	23s 0	23s 2	8s51	16s10	2n29
W 2	4 35	17 3	3 18	3 42	0 59	14 34	1 57	26 16	2 45	23 38	0 24	22 14	0 55	13 25	0 23	17 12	0 21	18 27	5 1	23 0	23 2	8 48	16 10	2 30
T 3	4 12	20 1	2 23	2 46	0 50	15 0	2 2	26 14	2 44	23 38	0 24	22 14	0 54	13 26	0 23	17 13	0 21	18 27	5 1	22 59	23 2	8 46	16 9	2 31
F 4	3 48	22 4	1 20	1 49	0 40	15 26	2 7	26 13	2 43	23 38	0 24	22 15	0 54	13 27	0 23	17 13	0 21	18 27	5 1	22 59	23 2	8 43	16 9	2 31
S 5	3 25	22 58	0 12	0 52	0 30	15 52	2 11	26 11	2 41	23 38	0 24	22 15	0 54	13 28	0 23	17 13	0 21	18 27	5 1	22 59	23 1	8 41	16 8	2 32
S 6	3 1	22 33	0s59	0n 6	0 20	16 17	2 16	26 9	2 40	23 38	0 25	22 15	0 54	13 29	0 23	17 14	0 21	18 26	5 1	22 59	23 1	8 38	16 7	2 32
M 7	2 37	20 46	2 8	1 3	0 9	16 43	2 21	26 8	2 39	23 38	0 25	22 16	0 54	13 30	0 23	17 14	0 21	18 26	5 2	22 59	23 1	8 36	16 7	2 33
T 8	2 14	17 38	3 12	2 1	0n 2	17 7	2 25	26 6	2 38	23 38	0 25	22 16	0 53	13 31	0 23	17 14	0 21	18 26	5 2	22 59	23 1	8 33	16 6	2 33
W 9	1 50	13 21	4 5	2 58	0 14	17 32	2 30	26 4	2 37	23 38	0 25	22 17	0 53	13 31	0 23	17 15	0 21	18 26	5 2	22 58	23 0	8 30	16 5	2 34
T 10	1 27	8 10	4 41	3 55	0 25	17 55	2 34	26 2	2 35	23 38	0 25	22 17	0 53	13 32	0 23	17 15	0 21	18 26	5 2	22 57	23 0	8 28	16 4	2 34
F 11	1 3	2 26	4 59	4 51	0 37	18 19	2 39	26 0	2 34	23 38	0 25	22 17	0 53	13 33	0 23	17 15	0 21	18 26	5 2	22 56	23 0	8 25	16 3	2 35
S 12	0 39	3s26	4 56	5 45	0 49	18 42	2 43	25 58	2 33	23 37	0 25	22 18	0 53	13 34	0 23	17 16	0 21	18 26	5 2	22 55	22 59	8 23	16 3	2 35
S 13	0 16	9 2	4 33	6 38	1 1	19 5	2 48	25 56	2 32	23 37	0 25	22 18	0 53	13 35	0 23	17 16	0 21	18 26	5 2	22 54	22 59	8 20	16 2	2 36
M14	0n 8	14 0	3 51	7 30	1 13	19 27	2 52	25 53	2 31	23 37	0 25	22 19	0 52	13 36	0 23	17 16	0 21	18 26	5 2	22 53	22 59	8 18	16 1	2 36
T 15	0 32	18 1	2 57	8 20	1 25	19 49	2 57	25 51	2 30	23 37	0 25	22 19	0 52	13 37	0 23	17 17	0 21	18 26	5 2	22 53	22 59	8 15	16 0	2 37
W16	0 55	20 53	1 53	9 8	1 37	20 10	3 1	25 49	2 28	23 37	0 25	22 19	0 52	13 38	0 23	17 17	0 21	18 26	5 2	22 52	22 58	8 13	15 59	2 37
T 17	1 19	22 30	0 45	9 53	1 48	20 31	3 5	25 46	2 27	23 36	0 25	22 20	0 52	13 39	0 23	17 17	0 21	18 26	5 2	22 52	22 58	8 10	15 58	2 38
F 18	1 42	22 51	0n22	10 36	1 59	20 51	3 9	25 44	2 26	23 36	0 25	22 20	0 52	13 40	0 23	17 17	0 21	18 26	5 2	22 52	22 58	8 7	15 57	2 38
S 19	2 6	22 2	1 27	11 17	2 9	21 11	3 13	25 41	2 25	23 36	0 25	22 21	0 51	13 41	0 23	17 18	0 21	18 26	5 2	22 52	22 57	8 5	15 56	2 39
S 20	2 29	20 11	2 27	11 54	2 19	21 31	3 18	25 38	2 24	23 36	0 25	22 21	0 51	13 42	0 23	17 18	0 21	18 26	5 2	22 52	22 57	8 2	15 55	2 39
M21	2 53	17 29	3 19	12 29	2 28	21 50	3 22	25 36	2 23	23 35	0 25	22 22	0 51	13 43	0 23	17 18	0 21	18 26	5 2	22 52	22 57	8 0	15 54	2 40
T 22	3 16	14 5	4 2	13 1	2 36	22 8	3 26	25 33	2 22	23 35	0 25	22 22	0 51	13 44	0 23	17 18	0 21	18 26	5 2	22 52	22 56	7 57	15 53	2 40
W23	3 39	10 9	4 34	13 30	2 43	22 27	3 29	25 30	2 21	23 35	0 25	22 22	0 51	13 45	0 23	17 19	0 21	18 26	5 3	22 51	22 56	7 55	15 52	2 41
T 24	4 2	5 49	4 54	13 55	2 50	22 44	3 33	25 27	2 20	23 35	0 25	22 23	0 51	13 46	0 23	17 19	0 21	18 25	5 3	22 50	22 56	7 52	15 51	2 41
F 25	4 26	1 16	5 2	14 18	2 55	23 1	3 37	25 23	2 19	23 34	0 25	22 23	0 50	13 47	0 23	17 19	0 21	18 25	5 3	22 49	22 56	7 50	15 50	2 41
S 26	4 49	3n22	4 57	14 37	2 59	23 18	3 41	25 20	2 18	23 34	0 25	22 24	0 50	13 48	0 23	17 19	0 21	18 25	5 3	22 48	22 55	7 47	15 48	2 42
S 27	5 12	7 56	4 38	14 52	3 3	23 34	3 44	25 17	2 16	23 34	0 25	22 24	0 50	13 50	0 23	17 19	0 21	18 25	5 3	22 46	22 55	7 44	15 47	2 42
M28	5 34	12 14	4 6	15 5	3 5	23 49	3 48	25 13	2 15	23 33	0 25	22 25	0 50	13 51	0 23	17 20	0 21	18 25	5 3	22 45	22 55	7 42	15 46	2 43
T 29	5 57	16 5	3 21	15 14	3 6	24 4	3 51	25 10	2 14	23 33	0 25	22 25	0 50	13 52	0 23	17 20	0 21	18 25	5 3	22 44	22 54	7 39	15 45	2 43
W30	6 20	19 14	2 26	15 19	3 5	24 19	3 54	25 6	2 13	23 32	0 25	22 26	0 49	13 53	0 23	17 20	0 21	18 25	5 3	22 43	22 54	7 37	15 44	2 44
T 31	6n43	21n30	1n23	15n21	3n 4	24n33	3n57	25n 3	2n12	23n32	0n25	22n26	0s49	13n54	0s23	17n20	0n21	18s25	5n 3	22s43	22s54	7s34	15s43	2n44

Julian Day Number = 2183888.5, Delta T = 11m17s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'13, Lahiri = 13°38'14 Julian Calendar 1 March 1267 == Greg. Calendar 8 March 1267

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ASTRODIENST EPHEMERIS for the year 1267
geocentric

APRIL 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 4 29	17♈59'20	12♊39	2°R50	2♊59	13♋56	10♋42	21♊32	8♉ 8	12°R56	25°R43	15°D16	16♐56	28♒19	22°R 0	F 1
S 2	13 8 26	18°57'53	25°56	2♉49	3°50	14°23	10°48	21°37	8°12	12♏55	25♐43	15♐16	16°53	28°26	21♏57	S 2
S 3	13 12 22	19°56'24	9♋29	2°42	4°41	14°51	10°54	21°42	8°15	12°55	25°42	15°17	16°50	28°32	21°54	S 3
M 4	13 16 19	20°54'52	23°18	2°29	5°30	15°18	11° 0	21°47	8°18	12°54	25°42	15°R18	16°47	28°39	21°50	M 4
T 5	13 20 15	21°53'19	7♌25	2°11	6°19	15°46	11° 7	21°52	8°22	12°54	25°42	15°16	16°44	28°46	21°47	T 5
W 6	13 24 12	22°51'43	21°48	1°48	7° 7	16°14	11°13	21°57	8°25	12°54	25°41	15°13	16°40	28°53	21°44	W 6
T 7	13 28 8	23°50'04	6♍24	1°21	7°54	16°43	11°20	22° 2	8°28	12°53	25°41	15° 8	16°37	28°59	21°40	T 7
F 8	13 32 5	24°48'24	21°10	0°51	8°40	17°11	11°27	22° 8	8°32	12°53	25°40	15° 1	16°34	29° 6	21°36	F 8
S 9	13 36 2	25°46'42	5♎56	0°17	9°25	17°40	11°34	22°13	8°35	12°53	25°39	14°54	16°31	29°13	21°33	S 9
S 10	13 39 58	26°44'57	20°36	29♈41	10° 9	18° 8	11°42	22°19	8°39	12°52	25°39	14°46	16°28	29°19	21°29	S 10
M11	13 43 55	27°43'11	5♏ 2	29° 3	10°53	18°37	11°49	22°24	8°42	12°52	25°38	14°40	16°24	29°26	21°25	M11
T 12	13 47 51	28°41'24	19° 7	28°25	11°35	19° 6	11°56	22°30	8°45	12°52	25°38	14°36	16°21	29°33	21°21	T 12
W13	13 51 48	29°39'34	2♐49	27°45	12°16	19°36	12° 4	22°35	8°49	12°52	25°37	14°33	16°18	29°40	21°18	W13
T 14	13 55 44	0♑37'43	16° 5	27° 7	12°56	20° 5	12°12	22°41	8°52	12°52	25°36	14°D32	16°15	29°46	21°14	T 14
F 15	13 59 41	1°35'51	28°57	26°29	13°35	20°34	12°20	22°47	8°56	12°52	25°36	14°33	16°12	29°53	21°10	F 15
S 16	14 3 37	2°33'57	11♑29	25°53	14°13	21° 4	12°28	22°53	8°59	12°52	25°35	14°35	16° 9	29°59	21° 6	S 16
S 17	14 7 34	3°32'01	23°43	25°19	14°50	21°34	12°36	22°59	9° 3	12°D52	25°34	14°36	16° 5	0♓ 6	21° 2	S 17
M18	14 11 31	4°30'04	5♒44	24°48	15°25	22° 4	12°44	23° 5	9° 6	12°52	25°33	14°R36	16° 2	0°13	20°57	M18
T 19	14 15 27	5°28'06	17°39	24°20	15°59	22°34	12°52	23°11	9°10	12°52	25°32	14°36	15°59	0°20	20°53	T 19
W20	14 19 24	6°26'06	29°30	23°56	16°32	23° 4	13° 1	23°17	9°13	12°52	25°32	14°33	15°56	0°27	20°49	W20
T 21	14 23 20	7°24'05	11♓24	23°36	17° 3	23°34	13° 9	23°23	9°17	12°52	25°31	14°29	15°53	0°33	20°45	T 21
F 22	14 27 17	8°22'02	23°23	23°20	17°33	24° 5	13°18	23°30	9°20	12°52	25°30	14°24	15°49	0°40	20°41	F 22
S 23	14 31 13	9°19'58	5♈32	23° 8	18° 1	24°35	13°27	23°36	9°24	12°52	25°29	14°18	15°46	0°47	20°36	S 23
S 24	14 35 10	10°17'52	17°52	23° 1	18°28	25° 6	13°36	23°42	9°27	12°53	25°28	14°11	15°43	0°54	20°32	S 24
M25	14 39 6	11°15'45	0♉24	22°D59	18°53	25°37	13°45	23°49	9°31	12°53	25°27	14° 6	15°40	1° 0	20°28	M25
T 26	14 43 3	12°13'37	13°10	23° 1	19°16	26° 8	13°54	23°55	9°34	12°53	25°26	14° 2	15°37	1° 7	20°23	T 26
W27	14 47 0	13°11'27	26° 9	23° 8	19°38	26°39	14° 4	24° 2	9°37	12°54	25°25	13°59	15°34	1°14	20°19	W27
T 28	14 50 56	14° 9'16	9♊22	23°19	19°58	27°10	14°13	24° 8	9°41	12°54	25°24	13°D58	15°30	1°20	20°15	T 28
F 29	14 54 53	15° 7'03	22°46	23°35	20°15	27°42	14°22	24°15	9°44	12°54	25°23	13°58	15°27	1°27	20°10	F 29
S 30	14 58 49	16♉ 4'49	6♋23	23♈55	20♊31	28♋13	14♋32	24♊22	9♉48	12♏55	25♐22	13♐59	15♐24	1♓34	20♏ 6	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n 5	22n38	0n14	15n20	3n 0	24n46	4n 0	24n59	2n11	23n31	0n25	22n27	0s49	13n55	0s23	17n20	0n21	18s25	5n 3	22s43	22s53	7s32	15s41	2n45
S 2	7 27	22 31	0s57	15 15	2 56	24 59	4 3	24 55	2 10	23 31	0 25	22 27	0 49	13 56	0 23	17 20	0 21	18 25	5 3	22 43	22 53	7 29	15 40	2 45
S 3	7 50	21 6	2 6	15 7	2 50	25 11	4 6	24 51	2 9	23 31	0 26	22 28	0 49	13 57	0 23	17 21	0 21	18 25	5 3	22 43	22 53	7 27	15 39	2 46
M 4	8 12	18 24	3 9	14 56	2 43	25 23	4 9	24 47	2 8	23 30	0 26	22 28	0 49	13 58	0 23	17 21	0 21	18 25	5 3	22 43	22 52	7 24	15 37	2 46
T 5	8 34	14 35	4 2	14 41	2 34	25 34	4 11	24 42	2 7	23 30	0 26	22 29	0 49	13 59	0 23	17 21	0 21	18 25	5 3	22 43	22 52	7 21	15 36	2 46
W 6	8 55	9 51	4 42	14 24	2 24	25 45	4 14	24 38	2 6	23 29	0 26	22 29	0 48	14 0	0 23	17 21	0 21	18 25	5 3	22 43	22 52	7 19	15 35	2 47
T 7	9 17	4 30	5 3	14 4	2 13	25 55	4 16	24 33	2 5	23 28	0 26	22 30	0 48	14 1	0 23	17 21	0 21	18 25	5 3	22 42	22 51	7 16	15 34	2 47
F 8	9 39	1s 9	5 5	13 42	2 0	26 5	4 18	24 29	2 4	23 28	0 26	22 30	0 48	14 3	0 23	17 21	0 21	18 25	5 3	22 41	22 51	7 14	15 32	2 48
S 9	10 0	6 45	4 46	13 17	1 47	26 14	4 20	24 24	2 3	23 27	0 26	22 30	0 48	14 4	0 23	17 21	0 21	18 25	5 3	22 40	22 51	7 11	15 31	2 48
S 10	10 21	11 55	4 9	12 51	1 32	26 23	4 22	24 19	2 2	23 27	0 26	22 31	0 48	14 5	0 23	17 21	0 21	18 24	5 3	22 40	22 51	7 9	15 30	2 49
M11	10 42	16 20	3 17	12 23	1 17	26 31	4 23	24 14	2 2	23 26	0 26	22 31	0 48	14 6	0 23	17 21	0 21	18 24	5 3	22 39	22 50	7 6	15 28	2 49
T 12	11 3	19 42	2 13	11 54	1 1	26 38	4 25	24 9	2 1	23 25	0 26	22 32	0 47	14 7	0 23	17 21	0 21	18 24	5 4	22 38	22 50	7 4	15 27	2 49
W13	11 24	21 50	1 3	11 24	0 44	26 45	4 26	24 4	2 0	23 25	0 26	22 32	0 47	14 8	0 23	17 21	0 21	18 24	5 4	22 38	22 50	7 1	15 25	2 50
T 14	11 44	22 40	0n 8	10 54	0 27	26 51	4 27	23 59	1 59	23 24	0 26	22 33	0 47	14 9	0 23	17 21	0 21	18 24	5 4	22 38	22 49	6 58	15 24	2 50
F 15	12 5	22 14	1 17	10 25	0 10	26 57	4 28	23 54	1 58	23 23	0 26	22 33	0 47	14 10	0 23	17 21	0 21	18 24	5 4	22 38	22 49	6 56	15 23	2 51
S 16	12 25	20 42	2 21	9 56	0s 7	27 3	4 29	23 48	1 57	23 23	0 26	22 34	0 47	14 11	0 23	17 21	0 21	18 24	5 4	22 38	22 49	6 53	15 21	2 51
S 17	12 45	18 13	3 16	9 27	0 24	27 7	4 29	23 42	1 56	23 22	0 26	22 34	0 47	14 13	0 23	17 21	0 21	18 24	5 4	22 38	22 48	6 51	15 20	2 51
M18	13 4	15 0	4 2	9 0	0 41	27 12	4 29	23 37	1 55	23 21	0 26	22 35	0 46	14 14	0 23	17 21	0 21	18 24	5 4	22 39	22 48	6 48	15 18	2 52
T 19	13 24	11 12	4 37	8 35	0 57	27 15	4 29	23 31	1 54	23 20	0 26	22 35	0 46	14 15	0 23	17 21	0 21	18 24	5 4	22 38	22 48	6 46	15 17	2 52
W20	13 43	7 0	5 0	8 12	1 13	27 18	4 29	23 25	1 53	23 20	0 26	22 36	0 46	14 16	0 23	17 21	0 21	18 24	5 4	22 38	22 47	6 43	15 15	2 52
T 21	14 2	2 32	5 10	7 50	1 28	27 21	4 28	23 19	1 52	23 19	0 26	22 36	0 46	14 17	0 23	17 21	0 21	18 24	5 4	22 38	22 47	6 40	15 14	2 53
F 22	14 21	2n 3	5 7	7 31	1 42	27 23	4 27	23 13	1 52	23 18	0 26	22 37	0 46	14 18	0 23	17 21	0 21	18 24	5 4	22 37	22 47	6 38	15 13	2 53
S 23	14 40	6 38	4 50	7 14	1 56	27 25	4 26	23 6	1 51	23 17	0 26	22 37	0 46	14 19	0 23	17 21	0 21	18 24	5 4	22 36	22 46	6 35	15 11	2 53
S 24	14 58	11 1	4 19	7 0	2 8	27 26	4 25	23 0	1 50	23 16	0 26	22 37	0 46	14 20	0 23	17 21	0 21	18 24	5 4	22 36	22 46	6 33	15 10	2 54
M25	15 16	15 1	3 35	6 48	2 20	27 26	4 23	22 53	1 49	23 15	0 26	22 38	0 45	14 22	0 23	17 21	0 21	18 24	5 4	22 35	22 46	6 30	15 8	2 54
T 26	15 34	18 24	2 40	6 39	2 31	27 26	4 21	22 46	1 48	23 14	0 26	22 38	0 45	14 23	0 23	17 21	0 21	18 24	5 4	22 34	22 45	6 28	15 7	2 54
W27	15 52	20 55	1 36	6 32	2 41	27 25	4 19	22 40	1 47	23 13	0 26	22 39	0 45	14 24	0 23	17 21	0 21	18 24	5 4	22 34	22 45	6 25	15 5	2 55
T 28	16 9	22 21	0 25	6 28	2 50	27 24	4 16	22 33	1 46	23 13	0 26	22 39	0 45	14 25	0 23	17 21	0 21	18 24	5 4	22 34	22 45	6 23	15 4	2 55
F 29	16 26	22 32	0s48	6 26	2 58	27 22	4 13	22 26	1 45	23 12	0 26	22 40	0 45	14 26	0 23	17 21	0 21	18 23	5 4	22 34	22 44	6 20	15 2	2 55
S 30	16n43	21n23	2s 0	6n27	3s 5	27n20	4n 9	22n18	1n45	23n11	0n26	22n40	0s45	14n27	0s23	17n21	0n21	18s23	5n 4	22s34	22s44	6s17	15s 1	2n56

Julian Day Number = 2183919.5, Delta T = 11m17s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'17, Lahiri = 13°38'18 Julian Calendar 1 Apr. 1267 == Greg. Calendar 8 Apr. 1267

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ASTRODIENST EPHEMERIS for the year 1267
geocentric

MAY 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 2 46	17♉ 2'33	20♋11	24♈20	20♊45	28♋45	14♋42	24♊28	9♉51	12♌55	25°R21	14♐ 1	15♐21	1♓41	20°R 2	S 1
M 2	15 6 42	18° 0'15	4♌ 8	24°49	20°57	29°16	14°51	24°35	9°55	12°56	25♐20	14° 2	15°18	1°47	19♏57	M 2
T 3	15 10 39	18°57'56	18°15	25°22	21° 7	29°48	15° 1	24°42	9°58	12°56	25°18	14°R 2	15°15	1°54	19°53	T 3
W 4	15 14 35	19°55'35	2♍30	25°59	21°14	0♌20	15°11	24°49	10° 2	12°57	25°17	14° 2	15°11	2° 1	19°48	W 4
T 5	15 18 32	20°53'12	16°49	26°39	21°20	0°52	15°21	24°56	10° 5	12°57	25°16	14° 0	15° 8	2° 7	19°44	T 5
F 6	15 22 29	21°50'48	1♎11	27°24	21°23	1°24	15°32	25° 3	10° 9	12°58	25°15	13°58	15° 5	2°14	19°40	F 6
S 7	15 26 25	22°48'22	15°30	28°12	21°R23	1°56	15°42	25°10	10°12	12°59	25°14	13°55	15° 2	2°21	19°35	S 7
S 8	15 30 22	23°45'55	29°42	29° 4	21°22	2°29	15°52	25°17	10°15	12°59	25°12	13°52	14°59	2°28	19°31	S 8
M 9	15 34 18	24°43'26	13♏42	29°59	21°18	3° 1	16° 3	25°24	10°19	13° 0	25°11	13°50	14°55	2°34	19°26	M 9
T 10	15 38 15	25°40'57	27°28	0♑58	21°11	3°33	16°13	25°31	10°22	13° 1	25°10	13°49	14°52	2°41	19°22	T 10
W11	15 42 11	26°38'26	10♐55	1°59	21° 2	4° 6	16°24	25°38	10°26	13° 1	25° 9	13°D48	14°49	2°48	19°18	W11
T 12	15 46 8	27°35'55	24° 2	3° 4	20°51	4°39	16°34	25°46	10°29	13° 2	25° 7	13°48	14°46	2°54	19°13	T 12
F 13	15 50 4	28°33'22	6♑50	4°12	20°37	5°11	16°45	25°53	10°32	13° 3	25° 6	13°49	14°43	3° 1	19° 9	F 13
S 14	15 54 1	29°30'49	19°20	5°23	20°21	5°44	16°56	26° 0	10°36	13° 4	25° 5	13°50	14°40	3° 8	19° 5	S 14
S 15	15 57 58	0♊28'14	1♒36	6°37	20° 3	6°17	17° 7	26° 7	10°39	13° 5	25° 3	13°51	14°36	3°15	19° 1	S 15
M16	16 1 54	1°25'39	13°39	7°54	19°42	6°50	17°18	26°15	10°42	13° 6	25° 2	13°52	14°33	3°21	18°56	M16
T 17	16 5 51	2°23'03	25°35	9°14	19°19	7°23	17°29	26°22	10°46	13° 7	25° 1	13°53	14°30	3°28	18°52	T 17
W18	16 9 47	3°20'27	7♓29	10°36	18°54	7°57	17°40	26°29	10°49	13° 8	24°59	13°R53	14°27	3°35	18°48	W18
T 19	16 13 44	4°17'49	19°24	12° 2	18°27	8°30	17°51	26°37	10°52	13° 9	24°58	13°53	14°24	3°42	18°44	T 19
F 20	16 17 40	5°15'11	1♈25	13°30	17°58	9° 3	18° 3	26°44	10°55	13°10	24°56	13°52	14°21	3°48	18°40	F 20
S 21	16 21 37	6°12'33	13°37	15° 1	17°27	9°37	18°14	26°52	10°59	13°11	24°55	13°51	14°17	3°55	18°36	S 21
S 22	16 25 33	7° 9'54	26° 2	16°35	16°55	10°10	18°26	26°59	11° 2	13°12	24°53	13°50	14°14	4° 2	18°32	S 22
M23	16 29 30	8° 7'14	8♉44	18°11	16°21	10°44	18°37	27° 7	11° 5	13°13	24°52	13°49	14°11	4° 8	18°28	M23
T 24	16 33 27	9° 4'34	21°43	19°50	15°46	11°18	18°49	27°14	11° 8	13°14	24°51	13°49	14° 8	4°15	18°24	T 24
W25	16 37 23	10° 1'54	5♊ 1	21°32	15°10	11°51	19° 0	27°22	11°11	13°15	24°49	13°49	14° 5	4°22	18°20	W25
T 26	16 41 20	10°59'12	18°37	23°17	14°34	12°25	19°12	27°30	11°15	13°17	24°48	13°D49	14° 1	4°29	18°16	T 26
F 27	16 45 16	11°56'30	2♋27	25° 4	13°57	12°59	19°24	27°37	11°18	13°18	24°46	13°49	13°58	4°35	18°12	F 27
S 28	16 49 13	12°53'47	16°30	26°53	13°19	13°33	19°36	27°45	11°21	13°19	24°45	13°49	13°55	4°42	18° 9	S 28
S 29	16 53 9	13°51'04	0♌42	28°46	12°42	14° 8	19°47	27°53	11°24	13°20	24°43	13°R49	13°52	4°49	18° 5	S 29
M30	16 57 6	14°48'19	14°59	0♊40	12° 4	14°42	19°59	28° 0	11°27	13°22	24°42	13°49	13°49	4°55	18° 1	M30
T 31	17 1 2	15♊45'34	29♌18	2♊38	11♊27	15♌16	20♋11	28♊ 8	11♉30	13♌23	24♐40	13♐49	13♐46	5♓ 2	17♏58	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n59	18n57	3s 6	6n31	3s11	27n17	4n 5	22n11	1n44	23n10	0n26	22n40	0s45	14n28	0s23	17n20	0n21	18s23	5n 4	22s34	22s43	6s15	15s 0	2n56
M 2	17 16	15 23	4 1	6 37	3 16	27 14	4 1	22 4	1 43	23 8	0 26	22 41	0 45	14 29	0 23	17 20	0 21	18 23	5 4	22 34	22 43	6 12	14 58	2 56
T 3	17 32	10 56	4 43	6 45	3 20	27 10	3 56	21 56	1 42	23 7	0 27	22 41	0 44	14 30	0 23	17 20	0 21	18 23	5 4	22 35	22 43	6 10	14 57	2 57
W 4	17 47	5 50	5 8	6 55	3 23	27 5	3 51	21 48	1 41	23 6	0 27	22 42	0 44	14 31	0 23	17 20	0 21	18 23	5 4	22 34	22 42	6 7	14 55	2 57
T 5	18 3	0 24	5 14	7 8	3 25	27 0	3 46	21 41	1 40	23 5	0 27	22 42	0 44	14 33	0 23	17 20	0 21	18 23	5 4	22 34	22 42	6 5	14 54	2 57
F 6	18 18	5s 3	5 0	7 22	3 27	26 54	3 40	21 33	1 40	23 4	0 27	22 42	0 44	14 34	0 23	17 20	0 21	18 23	5 4	22 34	22 42	6 2	14 52	2 57
S 7	18 33	10 14	4 28	7 39	3 28	26 48	3 33	21 25	1 39	23 3	0 27	22 43	0 44	14 35	0 23	17 19	0 21	18 23	5 4	22 34	22 41	5 59	14 51	2 58
S 8	18 47	14 50	3 39	7 57	3 28	26 41	3 27	21 16	1 38	23 2	0 27	22 43	0 44	14 36	0 23	17 19	0 21	18 23	5 4	22 33	22 41	5 57	14 50	2 58
M 9	19 1	18 32	2 38	8 17	3 27	26 33	3 19	21 8	1 37	23 0	0 27	22 44	0 44	14 37	0 23	17 19	0 21	18 23	5 4	22 33	22 41	5 54	14 48	2 58
T 10	19 15	21 7	1 29	8 39	3 25	26 25	3 11	21 0	1 36	22 59	0 27	22 44	0 44	14 38	0 23	17 19	0 21	18 23	5 4	22 33	22 40	5 52	14 47	2 58
W11	19 29	22 26	0 16	9 2	3 23	26 16	3 3	20 51	1 36	22 58	0 27	22 44	0 43	14 39	0 23	17 19	0 21	18 23	5 4	22 33	22 40	5 49	14 45	2 59
T 12	19 42	22 28	0n56	9 27	3 20	26 7	2 54	20 43	1 35	22 57	0 27	22 45	0 43	14 40	0 23	17 18	0 21	18 23	5 4	22 33	22 40	5 47	14 44	2 59
F 13	19 55	21 18	2 4	9 54	3 16	25 56	2 45	20 34	1 34	22 55	0 27	22 45	0 43	14 41	0 23	17 18	0 21	18 23	5 4	22 33	22 39	5 44	14 43	2 59
S 14	20 8	19 6	3 4	10 21	3 12	25 45	2 35	20 25	1 33	22 54	0 27	22 45	0 43	14 42	0 23	17 18	0 21	18 23	5 4	22 33	22 39	5 42	14 41	2 59
S 15	20 20	16 4	3 54	10 50	3 7	25 34	2 24	20 16	1 32	22 53	0 27	22 46	0 43	14 43	0 23	17 18	0 21	18 23	5 4	22 33	22 38	5 39	14 40	2 59
M16	20 32	12 25	4 34	11 20	3 1	25 21	2 14	20 7	1 32	22 51	0 27	22 46	0 43	14 44	0 23	17 17	0 21	18 23	5 4	22 33	22 38	5 36	14 39	3 0
T 17	20 43	8 19	5 0	11 52	2 55	25 8	2 2	19 57	1 31	22 50	0 27	22 46	0 43	14 45	0 23	17 17	0 21	18 23	5 4	22 33	22 38	5 34	14 37	3 0
W18	20 54	3 56	5 14	12 24	2 48	24 54	1 51	19 48	1 30	22 49	0 27	22 47	0 43	14 46	0 23	17 17	0 21	18 23	5 4	22 33	22 37	5 31	14 36	3 0
T 19	21 5	0n37	5 15	12 57	2 41	24 40	1 39	19 39	1 29	22 47	0 27	22 47	0 42	14 47	0 23	17 17	0 21	18 23	5 4	22 33	22 37	5 29	14 35	3 0
F 20	21 16	5 11	5 2	13 31	2 33	24 25	1 26	19 29	1 28	22 46	0 27	22 47	0 42	14 48	0 23	17 16	0 21	18 23	5 3	22 33	22 37	5 26	14 33	3 0
S 21	21 26	9 36	4 35	14 6	2 25	24 9	1 13	19 19	1 28	22 44	0 27	22 48	0 42	14 49	0 23	17 16	0 21	18 23	5 3	22 33	22 36	5 24	14 32	3 0
S 22	21 36	13 44	3 55	14 41	2 16	23 53	1 0	19 9	1 27	22 43	0 27	22 48	0 42	14 50	0 23	17 16	0 21	18 23	5 3	22 33	22 36	5 21	14 31	3 1
M23	21 45	17 21	3 2	15 17	2 7	23 36	0 46	19 0	1 26	22 41	0 27	22 48	0 42	14 51	0 23	17 15	0 21	18 23	5 3	22 33	22 36	5 18	14 30	3 1
T 24	21 54	20 11	1 59	15 53	1 57	23 19	0 33	18 49	1 25	22 40	0 27	22 48	0 42	14 52	0 23	17 15	0 21	18 23	5 3	22 33	22 35	5 16	14 28	3 1
W25	22 3	22 1	0 49	16 29	1 48	23 1	0 19	18 39	1 25	22 38	0 27	22 49	0 42	14 53	0 23	17 15	0 21	18 23	5 3	22 33	22 35	5 13	14 27	3 1
T 26	22 11	22 36	0s27	17 6	1 37	22 43	0 5	18 29	1 24	22 36	0 27	22 49	0 42	14 54	0 23	17 14	0 21	18 23	5 3	22 33	22 34	5 11	14 26	3 1
F 27	22 19	21 49	1 42	17 42	1 27	22 25	0s 9	18 19	1 23	22 35	0 28	22 49	0 42	14 55	0 23	17 14	0 21	18 23	5 3	22 33	22 34	5 8	14 25	3 1
S 28	22 26	19 40	2 52	18 19	1 16	22 6	0 23	18 8	1 22	22 33	0 28	22 49	0 42	14 56	0 23	17 14	0 21	18 23	5 3	22 33	22 34	5 6	14 24	3 1
S 29	22 33	16 18	3 52	18 54	1 5	21 47	0 38	17 57	1 22	22 31	0 28	22 50	0 41	14 57	0 23	17 13	0 21	18 23	5 3	22 33	22 33	5 3	14 23	3 2
M30	22 40	11 58	4 38	19 30	0 54	21 29	0 52	17 47	1 21	22 30	0 28	22 50	0 41	14 58	0 23	17 13	0 21	18 23	5 3	22 33	22 33	5 1	14 22	3 2
T 31	22n46	6n58	5s 7	20n 4	0s42	21n10	1s 5	17n36	1n20	22n28	0n28	22n50	0s41	14n59	0s23	17n12	0n21	18s23	5n 3	22s33	22s32	4s58	14s20	3n 2

Julian Day Number = 2183949.5, Delta T = 11m16s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'22, Lahiri = 13°38'22 Julian Calendar 1 May 1267 == Greg. Calendar 8 May 1267

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ASTRODIENST EPHEMERIS for the year 1267
geocentric

JUNE 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 4 59	16♊42'48	13♍34	4♊37	10°R51	15♌50	20♋23	28♊16	11♉33	13♌24	24°R39	13°D49	13♐42	5♓ 9	17°R54	W 1
T 2	17 8 56	17°40'01	27°46	6°38	10♊15	16°25	20°36	28°23	11°36	13°26	24♐37	13♐49	13°39	5°16	17♏51	T 2
F 3	17 12 52	18°37'14	11♎51	8°42	9°41	16°59	20°48	28°31	11°39	13°27	24°36	13°49	13°36	5°22	17°47	F 3
S 4	17 16 49	19°34'25	25°47	10°47	9° 8	17°34	21° 0	28°39	11°42	13°29	24°34	13°49	13°33	5°29	17°44	S 4
S 5	17 20 45	20°31'37	9♏32	12°54	8°36	18° 9	21°12	28°47	11°45	13°30	24°33	13°50	13°30	5°36	17°41	S 5
M 6	17 24 42	21°28'47	23° 5	15° 2	8° 6	18°43	21°24	28°55	11°47	13°32	24°31	13°50	13°27	5°43	17°38	M 6
T 7	17 28 38	22°25'58	6♐25	17°12	7°37	19°18	21°37	29° 2	11°50	13°33	24°29	13°51	13°23	5°49	17°35	T 7
W 8	17 32 35	23°23'07	19°31	19°22	7°11	19°53	21°49	29°10	11°53	13°35	24°28	13°R51	13°20	5°56	17°32	W 8
T 9	17 36 31	24°20'17	2♑23	21°33	6°47	20°28	22° 2	29°18	11°56	13°36	24°26	13°50	13°17	6° 3	17°29	T 9
F 10	17 40 28	25°17'27	15° 0	23°43	6°25	21° 3	22°14	29°26	11°59	13°38	24°25	13°49	13°14	6° 9	17°26	F 10
S 11	17 44 25	26°14'36	27°23	25°54	6° 5	21°38	22°27	29°34	12° 1	13°40	24°23	13°48	13°11	6°16	17°23	S 11
S 12	17 48 21	27°11'46	9♒35	28° 5	5°47	22°13	22°39	29°41	12° 4	13°41	24°22	13°46	13° 7	6°23	17°20	S 12
M13	17 52 18	28° 8'55	21°37	0♋15	5°32	22°48	22°52	29°49	12° 7	13°43	24°20	13°44	13° 4	6°30	17°18	M13
T 14	17 56 14	29° 6'05	3♓33	2°25	5°19	23°24	23° 4	29°57	12° 9	13°45	24°19	13°42	13° 1	6°36	17°15	T 14
W15	18 0 11	0♋ 3'14	15°26	4°33	5° 9	23°59	23°17	0♋ 5	12°12	13°46	24°17	13°41	12°58	6°43	17°13	W15
T 16	18 4 7	1° 0'24	27°21	6°40	5° 1	24°34	23°30	0°13	12°15	13°48	24°16	13°D40	12°55	6°50	17°10	T 16
F 17	18 8 4	1°57'34	9♈22	8°46	4°55	25°10	23°42	0°20	12°17	13°50	24°14	13°41	12°52	6°56	17° 8	F 17
S 18	18 12 0	2°54'45	21°33	10°51	4°52	25°45	23°55	0°28	12°20	13°51	24°13	13°41	12°48	7° 3	17° 6	S 18
S 19	18 15 57	3°51'56	3♉59	12°54	4°D51	26°21	24° 8	0°36	12°22	13°53	24°11	13°43	12°45	7°10	17° 3	S 19
M20	18 19 54	4°49'07	16°44	14°55	4°53	26°57	24°21	0°44	12°24	13°55	24°10	13°44	12°42	7°17	17° 1	M20
T 21	18 23 50	5°46'19	29°51	16°54	4°56	27°32	24°34	0°52	12°27	13°57	24° 8	13°45	12°39	7°23	16°59	T 21
W22	18 27 47	6°43'31	13♊21	18°52	5° 2	28° 8	24°47	1° 0	12°29	13°59	24° 7	13°R46	12°36	7°30	16°58	W22
T 23	18 31 43	7°40'44	27°15	20°48	5°11	28°44	25° 0	1° 7	12°32	14° 1	24° 5	13°45	12°33	7°37	16°56	T 23
F 24	18 35 40	8°37'57	11♋28	22°42	5°21	29°20	25°13	1°15	12°34	14° 2	24° 4	13°44	12°29	7°44	16°54	F 24
S 25	18 39 36	9°35'10	25°58	24°34	5°33	29°56	25°26	1°23	12°36	14° 4	24° 2	13°41	12°26	7°50	16°53	S 25
S 26	18 43 33	10°32'23	10♌37	26°24	5°47	0♍32	25°39	1°31	12°38	14° 6	24° 1	13°37	12°23	7°57	16°51	S 26
M27	18 47 30	11°29'36	25°19	28°13	6° 4	1° 8	25°52	1°38	12°40	14° 8	23°59	13°34	12°20	8° 4	16°50	M27
T 28	18 51 26	12°26'50	9♍58	29°59	6°22	1°45	26° 5	1°46	12°43	14°10	23°58	13°30	12°17	8°10	16°48	T 28
W29	18 55 23	13°24'04	24°26	1♎44	6°42	2°21	26°18	1°54	12°45	14°12	23°56	13°28	12°13	8°17	16°47	W29
T 30	18 59 19	14♋21'18	8♎41	3♎26	7♊ 4	2♍57	26♋31	2♋ 2	12♉47	14♌14	23♐55	13°D27	12♐10	8♓24	16♏46	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n52	1n37	5s17	20n38	0s31	20n51	1s19	17n25	1n19	22n26	0n28	22n50	0s41	15n 0	0s23	17n12	0n21	18s23	5n 3	22s33	22s32	4s55	14s19	3n 2
T 2	22 58	3s49	5 8	21 11	0 20	20 33	1 32	17 14	1 19	22 24	0 28	22 50	0 41	15 1	0 23	17 12	0 21	18 23	5 3	22 33	22 32	4 53	14 18	3 2
F 3	23 3	8 59	4 40	21 42	0 9	20 15	1 46	17 2	1 18	22 23	0 28	22 51	0 41	15 2	0 23	17 11	0 21	18 23	5 3	22 33	22 31	4 50	14 17	3 2
S 4	23 7	13 39	3 56	22 11	0n 2	19 57	1 58	16 51	1 17	22 21	0 28	22 51	0 41	15 3	0 23	17 11	0 21	18 23	5 2	22 33	22 31	4 48	14 16	3 2
S 5	23 12	17 33	2 59	22 39	0 13	19 40	2 11	16 40	1 16	22 19	0 28	22 51	0 41	15 4	0 23	17 10	0 21	18 23	5 2	22 33	22 31	4 45	14 15	3 2
M 6	23 16	20 26	1 52	23 5	0 24	19 24	2 23	16 28	1 16	22 17	0 28	22 51	0 41	15 4	0 23	17 10	0 21	18 23	5 2	22 33	22 30	4 43	14 14	3 2
T 7	23 19	22 8	0 41	23 29	0 34	19 8	2 34	16 17	1 15	22 15	0 28	22 51	0 41	15 5	0 23	17 10	0 21	18 23	5 2	22 33	22 30	4 40	14 14	3 2
W 8	23 22	22 36	0n31	23 50	0 44	18 53	2 45	16 5	1 14	22 13	0 28	22 51	0 40	15 6	0 23	17 9	0 21	18 23	5 2	22 33	22 29	4 38	14 13	3 2
T 9	23 25	21 50	1 41	24 9	0 53	18 38	2 56	15 53	1 13	22 11	0 28	22 52	0 40	15 7	0 23	17 9	0 21	18 23	5 2	22 33	22 29	4 35	14 12	3 2
F 10	23 27	19 58	2 44	24 25	1 2	18 25	3 6	15 41	1 13	22 9	0 28	22 52	0 40	15 8	0 23	17 8	0 21	18 23	5 2	22 33	22 29	4 32	14 11	3 2
S 11	23 29	17 12	3 38	24 38	1 10	18 12	3 16	15 29	1 12	22 7	0 28	22 52	0 40	15 9	0 23	17 8	0 21	18 23	5 2	22 33	22 28	4 30	14 10	3 3
S 12	23 30	13 43	4 21	24 48	1 17	18 0	3 25	15 17	1 11	22 5	0 28	22 52	0 40	15 10	0 23	17 7	0 21	18 23	5 2	22 33	22 28	4 27	14 9	3 3
M13	23 31	9 44	4 52	24 56	1 24	17 49	3 33	15 5	1 11	22 3	0 28	22 52	0 40	15 10	0 23	17 7	0 21	18 23	5 2	22 32	22 27	4 25	14 9	3 3
T 14	23 32	5 25	5 11	25 1	1 30	17 39	3 41	14 52	1 10	22 1	0 28	22 52	0 40	15 11	0 23	17 6	0 21	18 23	5 1	22 32	22 27	4 22	14 8	3 3
W15	23 32	0 55	5 15	25 3	1 35	17 30	3 49	14 40	1 9	21 59	0 29	22 52	0 40	15 12	0 23	17 6	0 21	18 24	5 1	22 32	22 27	4 20	14 7	3 3
T 16	23 32	3n38	5 7	25 2	1 40	17 21	3 56	14 27	1 8	21 57	0 29	22 52	0 40	15 13	0 23	17 5	0 21	18 24	5 1	22 32	22 26	4 17	14 6	3 3
F 17	23 31	8 5	4 44	24 58	1 44	17 14	4 2	14 15	1 8	21 55	0 29	22 52	0 40	15 14	0 23	17 5	0 21	18 24	5 1	22 32	22 26	4 15	14 6	3 3
S 18	23 30	12 17	4 9	24 52	1 47	17 7	4 8	14 2	1 7	21 53	0 29	22 52	0 40	15 14	0 23	17 4	0 21	18 24	5 1	22 32	22 25	4 12	14 5	3 3
S 19	23 29	16 4	3 22	24 43	1 49	17 2	4 14	13 49	1 6	21 51	0 29	22 52	0 39	15 15	0 23	17 4	0 21	18 24	5 1	22 32	22 25	4 9	14 4	3 3
M20	23 27	19 12	2 23	24 32	1 51	16 57	4 19	13 36	1 6	21 48	0 29	22 52	0 39	15 16	0 23	17 3	0 21	18 24	5 1	22 32	22 25	4 7	14 4	3 3
T 21	23 24	21 26	1 16	24 19	1 52	16 53	4 23	13 23	1 5	21 46	0 29	22 53	0 39	15 16	0 23	17 3	0 21	18 24	5 1	22 32	22 24	4 4	14 3	3 3
W22	23 22	22 32	0 2	24 3	1 52	16 50	4 27	13 10	1 4	21 44	0 29	22 53	0 39	15 17	0 23	17 2	0 21	18 24	5 0	22 33	22 24	4 2	14 3	3 3
T 23	23 19	22 17	1s13	23 46	1 52	16 48	4 31	12 57	1 3	21 42	0 29	22 53	0 39	15 18	0 23	17 2	0 21	18 24	5 0	22 32	22 23	3 59	14 2	3 3
F 24	23 15	20 36	2 26	23 26	1 51	16 47	4 34	12 44	1 3	21 39	0 29	22 53	0 39	15 19	0 23	17 1	0 21	18 24	5 0	22 32	22 23	3 57	14 2	3 3
S 25	23 11	17 35	3 31	23 5	1 49	16 46	4 37	12 30	1 2	21 37	0 29	22 53	0 39	15 19	0 23	17 1	0 21	18 24	5 0	22 32	22 23	3 54	14 1	3 3
S 26	23 7	13 26	4 23	22 42	1 47	16 46	4 40	12 17	1 1	21 35	0 29	22 53	0 39	15 20	0 23	17 0	0 21	18 24	5 0	22 31	22 22	3 52	14 1	3 3
M27	23 2	8 28	4 57	22 18	1 44	16 46	4 42	12 3	1 1	21 32	0 29	22 53	0 39	15 21	0 23	16 59	0 21	18 24	5 0	22 31	22 22	3 49	14 1	3 3
T 28	22 57	3 3	5 12	21 53	1 41	16 48	4 44	11 50	1 0	21 30	0 29	22 53	0 39	15 21	0 23	16 59	0 21	18 25	5 0	22 31	22 21	3 46	14 0	3 3
W29	22 51	2s29	5 7	21 26	1 37	16 49	4 45	11 36	0 59	21 27	0 29	22 52	0 39	15 22	0 23	16 58	0 21	18 25	4 59	22 30	22 21	3 44	14 0	3 3
T 30	22n45	7s47	4s43	20n58	1n32	16n52	4s47	11n22	0n59	21n25	0n30	22n52	0s39	15n22	0s23	16n58	0n21	18s25	4n59	22s30	22s20	3s41	14s 0	3n 3

Julian Day Number = 2183980.5, Delta T = 11m16s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'26, Lahiri = 13°38'26 Julian Calendar 1 June 1267 == Greg. Calendar 8 June 1267

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ASTRODIENST EPHEMERIS for the year 1267
geocentric

JULY 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 3 16	15♋18'32	22♎39	5♌ 7	7♊27	3♍34	26♋44	2♋ 9	12♉49	14♌16	23°R54	13♐27	12♐ 7	8♓31	16°R45	F 1
S 2	19 7 12	16°15'46	6♏21	6°46	7°52	4°10	26°57	2°17	12°51	14°18	23♐52	13°28	12° 4	8°37	16♏44	S 2
S 3	19 11 9	17°13'00	19°47	8°23	8°19	4°47	27°10	2°25	12°53	14°20	23°51	13°29	12° 1	8°44	16°43	S 3
M 4	19 15 5	18°10'15	2♐58	9°59	8°47	5°23	27°23	2°32	12°55	14°22	23°49	13°31	11°58	8°51	16°42	M 4
T 5	19 19 2	19° 7'31	15°55	11°32	9°16	6° 0	27°37	2°40	12°56	14°24	23°48	13°R31	11°54	8°58	16°42	T 5
W 6	19 22 59	20° 4'47	28°40	13° 3	9°48	6°36	27°50	2°48	12°58	14°26	23°47	13°30	11°51	9° 4	16°41	W 6
T 7	19 26 55	21° 2'03	11♑14	14°33	10°20	7°13	28° 3	2°55	13° 0	14°28	23°45	13°27	11°48	9°11	16°41	T 7
F 8	19 30 52	21°59'20	23°37	16° 0	10°54	7°50	28°16	3° 3	13° 2	14°30	23°44	13°22	11°45	9°18	16°41	F 8
S 9	19 34 48	22°56'38	5♒50	17°26	11°29	8°27	28°29	3°10	13° 3	14°32	23°43	13°16	11°42	9°24	16°40	S 9
S 10	19 38 45	23°53'56	17°55	18°50	12° 5	9° 4	28°43	3°18	13° 5	14°35	23°41	13° 9	11°39	9°31	16°40	S 10
M11	19 42 41	24°51'16	29°54	20°11	12°43	9°41	28°56	3°25	13° 7	14°37	23°40	13° 2	11°35	9°38	16°D40	M11
T 12	19 46 38	25°48'36	11♓48	21°31	13°22	10°18	29° 9	3°33	13° 8	14°39	23°39	12°55	11°32	9°45	16°40	T 12
W13	19 50 34	26°45'57	23°40	22°49	14° 1	10°55	29°22	3°40	13°10	14°41	23°38	12°49	11°29	9°51	16°40	W13
T 14	19 54 31	27°43'20	5♈33	24° 4	14°42	11°32	29°35	3°48	13°11	14°43	23°37	12°44	11°26	9°58	16°41	T 14
F 15	19 58 28	28°40'44	17°32	25°17	15°24	12° 9	29°49	3°55	13°13	14°45	23°35	12°42	11°23	10° 5	16°41	F 15
S 16	20 2 24	29°38'08	29°41	26°28	16° 7	12°47	0♌ 2	4° 2	13°14	14°47	23°34	12°D41	11°19	10°12	16°41	S 16
S 17	20 6 21	0♌35'35	12♉ 4	27°37	16°51	13°24	0°15	4°10	13°15	14°50	23°33	12°42	11°16	10°18	16°42	S 17
M18	20 10 17	1°33'02	24°47	28°43	17°35	14° 2	0°28	4°17	13°17	14°52	23°32	12°43	11°13	10°25	16°43	M18
T 19	20 14 14	2°30'31	7♊53	29°47	18°21	14°39	0°42	4°24	13°18	14°54	23°31	12°R44	11°10	10°32	16°43	T 19
W20	20 18 10	3°28'01	21°26	0♍48	19° 8	15°17	0°55	4°31	13°19	14°56	23°30	12°43	11° 7	10°38	16°44	W20
T 21	20 22 7	4°25'32	5♋27	1°46	19°55	15°54	1° 8	4°39	13°20	14°58	23°29	12°41	11° 4	10°45	16°45	T 21
F 22	20 26 3	5°23'05	19°54	2°42	20°43	16°32	1°21	4°46	13°21	15° 0	23°28	12°37	11° 0	10°52	16°46	F 22
S 23	20 30 0	6°20'39	4♌42	3°34	21°32	17°10	1°35	4°53	13°22	15° 3	23°27	12°31	10°57	10°59	16°47	S 23
S 24	20 33 57	7°18'14	19°44	4°24	22°21	17°47	1°48	5° 0	13°23	15° 5	23°26	12°23	10°54	11° 5	16°49	S 24
M25	20 37 53	8°15'50	4♍49	5°10	23°11	18°25	2° 1	5° 7	13°24	15° 7	23°25	12°15	10°51	11°12	16°50	M25
T 26	20 41 50	9°13'27	19°50	5°52	24° 2	19° 3	2°14	5°14	13°25	15° 9	23°24	12° 7	10°48	11°19	16°51	T 26
W27	20 45 46	10°11'06	4♎36	6°31	24°54	19°41	2°27	5°21	13°26	15°12	23°23	12° 1	10°45	11°25	16°53	W27
T 28	20 49 43	11° 8'45	19° 1	7° 6	25°46	20°19	2°40	5°28	13°27	15°14	23°22	11°56	10°41	11°32	16°55	T 28
F 29	20 53 39	12° 6'25	3♏ 4	7°37	26°39	20°57	2°54	5°34	13°27	15°16	23°21	11°54	10°38	11°39	16°56	F 29
S 30	20 57 36	13° 4'06	16°43	8° 4	27°32	21°35	3° 7	5°41	13°28	15°18	23°20	11°D54	10°35	11°46	16°58	S 30
S 31	21 1 32	14♌ 1'49	29♏59	8♍26	28♊26	22♍14	3♌20	5♋48	13♉29	15♌20	23♐19	11♐55	10♐32	11♓52	17♏ 0	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22n39	12s36	4s 3	20n29	1n28	16n55	4s47	11n 8	0n58	21n23	0n30	22n52	0s39	15n23	0s23	16n57	0n21	18s25	4n59	22s30	22s20	3s39	13s59	3n	2
S 2	22 32	16 40	3 9	19 59	1 22	16 58	4 48	10 54	0 57	21 20	0 30	22 52	0 39	15 24	0 23	16 57	0 21	18 25	4 59	22 30	22 20	3 36	13 59	3	2
S 3	22 25	19 46	2 6	19 28	1 16	17 2	4 48	10 40	0 57	21 18	0 30	22 52	0 38	15 24	0 23	16 56	0 21	18 25	4 59	22 31	22 19	3 34	13 59	3	2
M 4	22 18	21 46	0 57	18 56	1 10	17 6	4 48	10 26	0 56	21 15	0 30	22 52	0 38	15 25	0 23	16 55	0 21	18 25	4 59	22 31	22 19	3 31	13 59	3	2
T 5	22 10	22 34	0n13	18 24	1 3	17 11	4 48	10 12	0 55	21 13	0 30	22 52	0 38	15 25	0 23	16 55	0 21	18 25	4 58	22 31	22 18	3 29	13 59	3	2
W 6	22 2	22 10	1 22	17 51	0 56	17 16	4 47	9 58	0 54	21 10	0 30	22 52	0 38	15 26	0 23	16 54	0 21	18 25	4 58	22 31	22 18	3 26	13 59	3	2
T 7	21 53	20 39	2 25	17 18	0 48	17 21	4 47	9 44	0 54	21 7	0 30	22 52	0 38	15 26	0 23	16 54	0 21	18 25	4 58	22 30	22 17	3 24	13 59	3	2
F 8	21 44	18 10	3 20	16 45	0 40	17 27	4 46	9 29	0 53	21 5	0 30	22 52	0 38	15 27	0 23	16 53	0 21	18 26	4 58	22 30	22 17	3 21	13 59	3	2
S 9	21 34	14 55	4 6	16 11	0 32	17 33	4 44	9 15	0 52	21 2	0 30	22 52	0 38	15 27	0 23	16 52	0 21	18 26	4 58	22 29	22 17	3 19	13 59	3	2
S 10	21 25	11 5	4 39	15 37	0 23	17 39	4 43	9 0	0 52	21 0	0 30	22 52	0 38	15 28	0 23	16 52	0 21	18 26	4 57	22 28	22 16	3 16	13 59	3	2
M11	21 15	6 52	5 1	15 2	0 15	17 45	4 41	8 45	0 51	20 57	0 30	22 51	0 38	15 28	0 23	16 51	0 21	18 26	4 57	22 27	22 16	3 13	13 59	3	2
T 12	21 4	2 25	5 8	14 28	0 5	17 52	4 40	8 31	0 50	20 54	0 30	22 51	0 38	15 29	0 23	16 51	0 21	18 26	4 57	22 26	22 15	3 11	13 59	3	2
W13	20 53	2n 7	5 3	13 54	0s 4	17 59	4 38	8 16	0 50	20 52	0 31	22 51	0 38	15 29	0 23	16 50	0 21	18 26	4 57	22 25	22 15	3 8	13 59	3	2
T 14	20 42	6 34	4 45	13 20	0 14	18 5	4 36	8 1	0 49	20 49	0 31	22 51	0 38	15 30	0 23	16 49	0 21	18 26	4 57	22 25	22 14	3 6	13 59	3	2
F 15	20 30	10 49	4 14	12 46	0 24	18 12	4 33	7 46	0 48	20 46	0 31	22 51	0 38	15 30	0 23	16 49	0 21	18 26	4 57	22 25	22 14	3 3	13 59	3	2
S 16	20 18	14 41	3 31	12 12	0 34	18 19	4 31	7 31	0 48	20 43	0 31	22 51	0 38	15 31	0 23	16 48	0 21	18 27	4 56	22 24	22 14	3 1	13 59	3	2
S 17	20 6	18 1	2 38	11 39	0 45	18 26	4 28	7 16	0 47	20 41	0 31	22 51	0 38	15 31	0 23	16 48	0 21	18 27	4 56	22 25	22 13	2 58	13 59	3	2
M18	19 54	20 35	1 35	11 6	0 55	18 33	4 25	7 1	0 46	20 38	0 31	22 50	0 37	15 31	0 23	16 47	0 21	18 27	4 56	22 25	22 13	2 56	14 0	3	1
T 19	19 41	22 8	0 26	10 34	1 6	18 40	4 23	6 46	0 46	20 35	0 31	22 50	0 37	15 32	0 23	16 46	0 21	18 27	4 56	22 25	22 12	2 53	14 0	3	1
W20	19 27	22 29	0s47	10 2	1 17	18 46	4 20	6 31	0 45	20 32	0 31	22 50	0 37	15 32	0 23	16 46	0 21	18 27	4 55	22 25	22 12	2 51	14 0	3	1
T 21	19 14	21 26	1 59	9 31	1 28	18 53	4 16	6 16	0 44	20 30	0 31	22 50	0 37	15 32	0 23	16 45	0 21	18 27	4 55	22 24	22 11	2 48	14 1	3	1
F 22	19 0	18 59	3 6	9 0	1 40	19 0	4 13	6 0	0 44	20 27	0 31	22 50	0 37	15 33	0 23	16 44	0 21	18 28	4 55	22 24	22 11	2 46	14 1	3	1
S 23	18 46	15 15	4 2	8 31	1 51	19 6	4 10	5 45	0 43	20 24	0 31	22 49	0 37	15 33	0 23	16 44	0 21	18 28	4 55	22 23	22 10	2 43	14 1	3	1
S 24	18 31	10 30	4 42	8 2	2 2	19 13	4 6	5 30	0 42	20 21	0 31	22 49	0 37	15 33	0 23	16 43	0 21	18 28	4 55	22 22	22 10	2 40	14 2	3	1
M25	18 16	5 5	5 3	7 35	2 14	19 19	4 3	5 14	0 42	20 18	0 32	22 49	0 37	15 34	0 23	16 42	0 21	18 28	4 54	22 21	22 10	2 38	14 2	3	1
T 26	18 1	0s35	5 2	7 9	2 25	19 25	3 59	4 59	0 41	20 15	0 32	22 49	0 37	15 34	0 23	16 42	0 22	18 28	4 54	22 20	22 9	2 35	14 3	3	1
W27	17 46	6 9	4 42	6 44	2 36	19 31	3 55	4 43	0 40	20 12	0 32	22 49	0 37	15 34	0 23	16 41	0 22	18 28	4 54	22 19	22 9	2 33	14 3	3	1
T 28	17 30	11 14	4 4	6 21	2 48	19 37	3 51	4 27	0 40	20 9	0 32	22 48	0 37	15 34	0 23	16 40	0 22	18 29	4 54	22 19	22 8	2 30	14 4	3	1
F 29	17 14	15 35	3 12	5 59	2 59	19 42	3 47	4 12	0 39	20 6	0 32	22 48	0 37	15 34	0 23	16 40	0 22	18 29	4 54	22 18	22 8	2 28	14 4	3	1
S 30	16 58	18 59	2 10	5 39	3 9	19 47	3 43	3 56	0 38	20 3	0 32	22 48	0 37	15 35	0 23	16 39	0 22	18 29	4 53	22 18	22 7	2 25	14 5	3	1
S 31	16n41	21s16	1s 3	5n21	3s20	19n52	3s39	3n40	0n38	20n 1	0n32	22n48	0s37	15n35	0s23	16n39	0n22	18s29	4n53	22s18	22s 7	2s23	14s 6	3n	0

Julian Day Number = 2184010.5, Delta T = 11m16s
Ecliptic obliquity = 23°32'00, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'30, Lahiri = 13°38'30 Julian Calendar 1 July 1267 == Greg. Calendar 8 July 1267

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1267
geocentric

AUGUST 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 5 29	14♌59'32	12♐57	8♍43	29♊21	22♍52	3♌33	5♋55	13♉29	15♌23	23°R18	11°R55	10♐29	11♓59	17♏ 2	M 1
T 2	21 9 26	15°57'17	25°39	8°55	0♋16	23°30	3°46	6° 1	13°30	15°25	23♐18	11♐54	10°25	12° 6	17° 4	T 2
W 3	21 13 22	16°55'03	8♑ 8	9° 2	1°11	24° 9	3°59	6° 8	13°30	15°27	23°17	11°51	10°22	12°13	17° 7	W 3
T 4	21 17 19	17°52'50	20°26	9°R 4	2° 7	24°47	4°12	6°14	13°31	15°29	23°16	11°46	10°19	12°19	17° 9	T 4
F 5	21 21 15	18°50'39	2♒36	9° 0	3° 4	25°26	4°25	6°21	13°31	15°32	23°15	11°37	10°16	12°26	17°12	F 5
S 6	21 25 12	19°48'29	14°40	8°50	4° 1	26° 4	4°38	6°27	13°32	15°34	23°15	11°27	10°13	12°33	17°14	S 6
S 7	21 29 8	20°46'20	26°38	8°34	4°58	26°43	4°51	6°34	13°32	15°36	23°14	11°14	10°10	12°39	17°17	S 7
M 8	21 33 5	21°44'13	8♓33	8°12	5°56	27°21	5° 4	6°40	13°32	15°38	23°13	11° 2	10° 6	12°46	17°19	M 8
T 9	21 37 1	22°42'08	20°25	7°44	6°55	28° 0	5°17	6°46	13°32	15°40	23°13	10°49	10° 3	12°53	17°22	T 9
W10	21 40 58	23°40'04	2♈17	7°11	7°53	28°39	5°30	6°52	13°32	15°43	23°12	10°38	10° 0	13° 0	17°25	W10
T 11	21 44 55	24°38'02	14°11	6°32	8°53	29°18	5°43	6°59	13°33	15°45	23°12	10°30	9°57	13° 6	17°28	T 11
F 12	21 48 51	25°36'02	26° 9	5°48	9°52	29°57	5°56	7° 5	13°R33	15°47	23°11	10°24	9°54	13°13	17°31	F 12
S 13	21 52 48	26°34'04	8♉16	4°59	10°52	0♎36	6° 8	7°11	13°33	15°49	23°11	10°20	9°50	13°20	17°34	S 13
S 14	21 56 44	27°32'07	20°37	4° 7	11°53	1°15	6°21	7°17	13°32	15°51	23°10	10°19	9°47	13°27	17°38	S 14
M15	22 0 41	28°30'13	3♊16	3°12	12°53	1°54	6°34	7°23	13°32	15°54	23°10	10°19	9°44	13°33	17°41	M15
T 16	22 4 37	29°28'21	16°17	2°14	13°55	2°33	6°47	7°28	13°32	15°56	23° 9	10°19	9°41	13°40	17°44	T 16
W17	22 8 34	0♍26'31	29°45	1°16	14°56	3°12	6°59	7°34	13°32	15°58	23° 9	10°18	9°38	13°47	17°48	W17
T 18	22 12 30	1°24'43	13♋42	0°19	15°58	3°51	7°12	7°40	13°32	16° 0	23° 9	10°14	9°35	13°53	17°51	T 18
F 19	22 16 27	2°22'57	28° 8	29♌23	17° 0	4°31	7°24	7°46	13°31	16° 2	23° 8	10° 9	9°31	14° 0	17°55	F 19
S 20	22 20 24	3°21'13	13♌ 0	28°30	18° 2	5°10	7°37	7°51	13°31	16° 4	23° 8	10° 0	9°28	14° 7	17°59	S 20
S 21	22 24 20	4°19'30	28°11	27°42	19° 5	5°50	7°50	7°57	13°31	16° 7	23° 8	9°50	9°25	14°14	18° 3	S 21
M22	22 28 17	5°17'50	13♍30	26°58	20° 8	6°29	8° 2	8° 2	13°30	16° 9	23° 8	9°39	9°22	14°20	18° 7	M22
T 23	22 32 13	6°16'11	28°46	26°22	21°11	7° 9	8°14	8° 7	13°30	16°11	23° 7	9°28	9°19	14°27	18°11	T 23
W24	22 36 10	7°14'34	13♎48	25°53	22°15	7°48	8°27	8°13	13°29	16°13	23° 7	9°20	9°16	14°34	18°15	W24
T 25	22 40 6	8°12'59	28°27	25°32	23°19	8°28	8°39	8°18	13°29	16°15	23° 7	9°13	9°12	14°40	18°19	T 25
F 26	22 44 3	9°11'25	12♏40	25°19	24°23	9° 8	8°51	8°23	13°28	16°17	23° 7	9°10	9° 9	14°47	18°23	F 26
S 27	22 47 59	10° 9'53	26°25	25°D16	25°28	9°48	9° 4	8°28	13°27	16°19	23° 7	9° 8	9° 6	14°54	18°28	S 27
S 28	22 51 56	11° 8'23	9♐42	25°23	26°32	10°27	9°16	8°33	13°26	16°21	23°D 7	9° 8	9° 3	15° 1	18°32	S 28
M29	22 55 52	12° 6'55	22°37	25°38	27°37	11° 7	9°28	8°38	13°26	16°23	23° 7	9° 8	9° 0	15° 7	18°37	M29
T 30	22 59 49	13° 5'28	5♑12	26° 3	28°42	11°47	9°40	8°43	13°25	16°25	23° 7	9° 6	8°56	15°14	18°41	T 30
W31	23 3 46	14♍ 4'02	17♑32	26♌37	29♋48	12♎27	9♌52	8♋47	13♉24	16♌27	23♐ 7	9♐ 3	8♐53	15♓21	18♏46	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n24	22s21	0n 6	5n 5	3s30	19n57	3s35	3n24	0n37	19n58	0n32	22n47	0s37	15n35	0s23	16n38	0n22	18s29	4n53	22s18	22s 6	2s20	14s 6	3n 0
T 2	16 7	22 15	1 13	4 51	3 40	20 1	3 31	3 9	0 36	19 55	0 32	22 47	0 37	15 35	0 23	16 37	0 22	18 29	4 53	22 18	22 6	2 18	14 7	3 0
W 3	15 50	21 2	2 15	4 40	3 49	20 5	3 26	2 53	0 36	19 52	0 32	22 47	0 37	15 35	0 23	16 37	0 22	18 30	4 52	22 18	22 5	2 15	14 8	3 0
T 4	15 32	18 51	3 10	4 31	3 58	20 9	3 22	2 37	0 35	19 49	0 33	22 47	0 37	15 35	0 23	16 36	0 22	18 30	4 52	22 17	22 5	2 13	14 8	3 0
F 5	15 14	15 50	3 55	4 26	4 6	20 12	3 18	2 21	0 34	19 46	0 33	22 46	0 37	15 36	0 23	16 35	0 22	18 30	4 52	22 16	22 5	2 10	14 9	3 0
S 6	14 56	12 12	4 29	4 23	4 13	20 15	3 13	2 5	0 34	19 43	0 33	22 46	0 37	15 36	0 23	16 35	0 22	18 30	4 52	22 15	22 4	2 8	14 10	3 0
S 7	14 38	8 7	4 52	4 23	4 19	20 18	3 9	1 49	0 33	19 40	0 33	22 46	0 36	15 36	0 23	16 34	0 22	18 30	4 51	22 13	22 4	2 5	14 11	3 0
M 8	14 19	3 45	5 1	4 26	4 24	20 20	3 4	1 33	0 32	19 36	0 33	22 46	0 36	15 36	0 23	16 33	0 22	18 31	4 51	22 11	22 3	2 3	14 12	3 0
T 9	14 0	0n44	4 57	4 33	4 28	20 22	2 59	1 17	0 32	19 33	0 33	22 45	0 36	15 36	0 23	16 33	0 22	18 31	4 51	22 9	22 3	2 0	14 12	3 0
W10	13 41	5 12	4 40	4 43	4 31	20 23	2 55	1 1	0 31	19 30	0 33	22 45	0 36	15 36	0 23	16 32	0 22	18 31	4 51	22 8	22 2	1 58	14 13	3 0
T 11	13 22	9 28	4 11	4 57	4 31	20 24	2 50	0 45	0 30	19 27	0 33	22 45	0 36	15 36	0 23	16 31	0 22	18 31	4 51	22 7	22 2	1 55	14 14	3 0
F 12	13 2	13 25	3 31	5 14	4 30	20 25	2 45	0 29	0 30	19 24	0 33	22 44	0 36	15 36	0 23	16 31	0 22	18 32	4 50	22 6	22 1	1 53	14 15	3 0
S 13	12 42	16 51	2 41	5 34	4 28	20 25	2 41	0 12	0 29	19 21	0 34	22 44	0 36	15 36	0 23	16 30	0 22	18 32	4 50	22 5	22 1	1 50	14 16	2 59
S 14	12 23	19 37	1 42	5 57	4 23	20 25	2 36	0s 4	0 28	19 18	0 34	22 44	0 36	15 36	0 23	16 29	0 22	18 32	4 50	22 5	22 0	1 48	14 17	2 59
M15	12 2	21 30	0 37	6 23	4 17	20 24	2 31	0 20	0 28	19 15	0 34	22 44	0 36	15 36	0 23	16 29	0 22	18 32	4 50	22 5	22 0	1 45	14 18	2 59
T 16	11 42	22 18	0s32	6 51	4 8	20 23	2 26	0 36	0 27	19 12	0 34	22 43	0 36	15 36	0 23	16 28	0 22	18 32	4 49	22 5	21 59	1 43	14 19	2 59
W17	11 22	21 51	1 41	7 21	3 58	20 21	2 21	0 52	0 26	19 9	0 34	22 43	0 36	15 36	0 23	16 28	0 22	18 33	4 49	22 5	21 59	1 40	14 20	2 59
T 18	11 1	20 4	2 47	7 53	3 46	20 19	2 17	1 9	0 26	19 6	0 34	22 43	0 36	15 36	0 23	16 27	0 22	18 33	4 49	22 4	21 58	1 37	14 21	2 59
F 19	10 40	16 57	3 44	8 25	3 32	20 16	2 12	1 25	0 25	19 3	0 34	22 42	0 36	15 35	0 23	16 26	0 22	18 33	4 49	22 3	21 58	1 35	14 22	2 59
S 20	10 19	12 42	4 28	8 58	3 16	20 13	2 7	1 41	0 25	18 59	0 34	22 42	0 36	15 35	0 23	16 26	0 22	18 33	4 48	22 2	21 57	1 32	14 23	2 59
S 21	9 58	7 33	4 54	9 31	3 0	20 9	2 2	1 58	0 24	18 56	0 34	22 42	0 36	15 35	0 23	16 25	0 22	18 34	4 48	22 1	21 57	1 30	14 25	2 59
M22	9 36	1 54	5 0	10 2	2 42	20 5	1 57	2 14	0 23	18 53	0 35	22 42	0 36	15 35	0 23	16 24	0 22	18 34	4 48	21 59	21 57	1 27	14 26	2 59
T 23	9 15	3s50	4 44	10 32	2 23	20 0	1 52	2 30	0 23	18 50	0 35	22 41	0 36	15 35	0 23	16 24	0 22	18 34	4 48	21 58	21 56	1 25	14 27	2 59
W24	8 53	9 16	4 8	11 0	2 4	19 55	1 47	2 46	0 22	18 47	0 35	22 41	0 36	15 35	0 23	16 23	0 22	18 34	4 47	21 56	21 56	1 22	14 28	2 59
T 25	8 31	14 2	3 17	11 25	1 45	19 50	1 43	3 3	0 21	18 44	0 35	22 41	0 36	15 35	0 23	16 23	0 22	18 35	4 47	21 55	21 55	1 20	14 29	2 59
F 26	8 9	17 50	2 15	11 47	1 26	19 43	1 38	3 19	0 21	18 41	0 35	22 40	0 36	15 34	0 23	16 22	0 22	18 35	4 47	21 55	21 55	1 17	14 31	2 59
S 27	7 47	20 30	1 7	12 6	1 6	19 37	1 33	3 35	0 20	18 38	0 35	22 40	0 36	15 34	0 23	16 21	0 22	18 35	4 47	21 54	21 54	1 15	14 32	2 59
S 28	7 25	21 57	0n 3	12 22	0 48	19 29	1 28	3 52	0 19	18 35	0 35	22 40	0 36	15 34	0 23	16 21	0 22	18 35	4 46	21 54	21 54	1 12	14 33	2 58
M29	7 3	22 9	1 11	12 34	0 30	19 22	1 23	4 8	0 19	18 31	0 36	22 40	0 36	15 34	0 23	16 20	0 22	18 36	4 46	21 54	21 53	1 10	14 34	2 58
T 30	6 40	21 13	2 13	12 42	0 12	19 13	1 18	4 24	0 18	18 28	0 36	22 39	0 36	15 33	0 23	16 19	0 22	18 36	4 46	21 54	21 53	1 7	14 36	2 58
W31	6n18	19s16	3n 8	12n45	0n 4	19n 4	1s14	4s40	0n17	18n25	0n36	22n39	0s36	15n33	0s23	16n19	0n22	18s36	4n46	21s54	21s52	1s 5	14s37	2n58

Julian Day Number = 2184041.5, Delta T = 11m16s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'34, Lahiri = 13°38'35 Julian Calendar 1 Aug. 1267 == Greg. Calendar 8 Aug. 1267

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ASTRODIENST EPHEMERIS for the year 1267
geocentric

SEPTEMBER 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 7 42	15♍ 2'39	29♉41	27♌20	0♌53	13♎ 8	10♌ 4	8♋52	13°R23	16♌29	23♐ 7	8°R57	8♐50	15♓28	18♏51	T 1
F 2	23 11 39	16° 1'17	11♒42	28°11	1°59	13°48	10°16	8°57	13♉22	16°31	23° 7	8♐47	8°47	15°34	18°56	F 2
S 3	23 15 35	16°59'57	23°39	29° 9	3° 5	14°28	10°27	9° 1	13°21	16°33	23° 7	8°36	8°44	15°41	19° 1	S 3
S 4	23 19 32	17°58'39	5♓33	0♍15	4°12	15° 8	10°39	9° 5	13°20	16°35	23° 8	8°22	8°41	15°48	19° 6	S 4
M 5	23 23 28	18°57'22	17°26	1°28	5°18	15°49	10°51	9°10	13°19	16°37	23° 8	8° 8	8°37	15°54	19°11	M 5
T 6	23 27 25	19°56'08	29°19	2°46	6°25	16°29	11° 3	9°14	13°18	16°39	23° 8	7°55	8°34	16° 1	19°16	T 6
W 7	23 31 21	20°54'56	11♈13	4° 9	7°32	17° 9	11°14	9°18	13°16	16°41	23° 8	7°43	8°31	16° 8	19°21	W 7
T 8	23 35 18	21°53'46	23°11	5°38	8°39	17°50	11°26	9°22	13°15	16°43	23° 9	7°33	8°28	16°15	19°26	T 8
F 9	23 39 15	22°52'38	5♉14	7°10	9°46	18°30	11°37	9°26	13°14	16°45	23° 9	7°26	8°25	16°21	19°31	F 9
S 10	23 43 11	23°51'33	17°25	8°45	10°54	19°11	11°48	9°30	13°12	16°47	23° 9	7°22	8°22	16°28	19°37	S 10
S 11	23 47 8	24°50'29	29°48	10°24	12° 2	19°52	12° 0	9°34	13°11	16°49	23°10	7°20	8°18	16°35	19°42	S 11
M12	23 51 4	25°49'28	12♊26	12° 4	13°10	20°33	12°11	9°37	13°10	16°51	23°10	7°D20	8°15	16°41	19°48	M12
T 13	23 55 1	26°48'30	25°23	13°47	14°18	21°13	12°22	9°41	13° 8	16°52	23°11	7°R20	8°12	16°48	19°53	T 13
W14	23 58 57	27°47'34	8♋44	15°31	15°26	21°54	12°33	9°44	13° 7	16°54	23°11	7°20	8° 9	16°55	19°59	W14
T 15	0 2 54	28°46'40	22°32	17°16	16°35	22°35	12°44	9°48	13° 5	16°56	23°12	7°18	8° 6	17° 2	20° 5	T 15
F 16	0 6 50	29°45'48	6♌48	19° 2	17°43	23°16	12°55	9°51	13° 3	16°58	23°12	7°13	8° 2	17° 8	20°11	F 16
S 17	0 10 47	0♎44'59	21°29	20°49	18°52	23°57	13° 6	9°54	13° 2	16°59	23°13	7° 6	7°59	17°15	20°16	S 17
S 18	0 14 44	1°44'12	6♍32	22°35	20° 1	24°38	13°16	9°57	13° 0	17° 1	23°14	6°57	7°56	17°22	20°22	S 18
M19	0 18 40	2°43'27	21°46	24°22	21°10	25°20	13°27	10° 0	12°58	17° 3	23°14	6°48	7°53	17°29	20°28	M19
T 20	0 22 37	3°42'45	7♎ 3	26° 9	22°20	26° 1	13°38	10° 3	12°57	17° 5	23°15	6°38	7°50	17°35	20°34	T 20
W21	0 26 33	4°42'04	22°10	27°56	23°29	26°42	13°48	10° 6	12°55	17° 6	23°16	6°30	7°47	17°42	20°40	W21
T 22	0 30 30	5°41'25	6♏57	29°42	24°39	27°23	13°59	10° 9	12°53	17° 8	23°16	6°24	7°43	17°49	20°46	T 22
F 23	0 34 26	6°40'49	21°19	1♎28	25°49	28° 5	14° 9	10°11	12°51	17° 9	23°17	6°21	7°40	17°55	20°53	F 23
S 24	0 38 23	7°40'14	5♐12	3°13	26°58	28°46	14°19	10°14	12°49	17°11	23°18	6°D20	7°37	18° 2	20°59	S 24
S 25	0 42 19	8°39'41	18°37	4°58	28° 9	29°28	14°29	10°16	12°47	17°12	23°19	6°21	7°34	18° 9	21° 5	S 25
M26	0 46 16	9°39'10	1♑36	6°42	29°19	0♏ 9	14°39	10°18	12°46	17°14	23°20	6°22	7°31	18°16	21°11	M26
T 27	0 50 12	10°38'41	14°12	8°26	0♍29	0°51	14°49	10°20	12°44	17°16	23°21	6°R22	7°27	18°22	21°18	T 27
W28	0 54 9	11°38'13	26°31	10° 9	1°39	1°33	14°59	10°22	12°42	17°17	23°21	6°20	7°24	18°29	21°24	W28
T 29	0 58 6	12°37'47	8♒38	11°51	2°50	2°15	15° 8	10°24	12°39	17°18	23°22	6°17	7°21	18°36	21°31	T 29
F 30	1 2 2	13♎37'23	20♒35	13♎33	4♍ 1	2♏56	15♌18	10♋26	12♉37	17♌20	23♐23	6♐11	7♐18	18♓42	21♏37	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n55	16s30	3n53	12n45	0n19	18n55	1s 9	4s57	0n17	18n22	0n36	22n39	0s35	15n33	0s23	16n18	0n22	18s36	4n45	21s53	21s52	1s 2	14s38	2n58
F 2	5 32	13 3	4 28	12 41	0 34	18 45	1 4	5 13	0 16	18 19	0 36	22 38	0 35	15 32	0 23	16 18	0 22	18 37	4 45	21 51	21 51	1 0	14 40	2 58
S 3	5 9	9 8	4 50	12 32	0 47	18 35	0 59	5 29	0 15	18 16	0 36	22 38	0 35	15 32	0 23	16 17	0 22	18 37	4 45	21 49	21 51	0 57	14 41	2 58
S 4	4 46	4 52	4 59	12 20	0 58	18 24	0 55	5 45	0 15	18 13	0 36	22 38	0 35	15 32	0 23	16 17	0 22	18 37	4 45	21 47	21 50	0 55	14 42	2 58
M 5	4 23	0 27	4 56	12 4	1 9	18 12	0 50	6 2	0 14	18 10	0 36	22 38	0 35	15 31	0 23	16 16	0 22	18 37	4 44	21 45	21 50	0 53	14 44	2 58
T 6	4 0	4n 0	4 40	11 45	1 18	18 0	0 46	6 18	0 13	18 7	0 37	22 37	0 35	15 31	0 23	16 15	0 22	18 38	4 44	21 43	21 49	0 50	14 45	2 58
W 7	3 37	8 18	4 11	11 22	1 27	17 48	0 41	6 34	0 13	18 4	0 37	22 37	0 35	15 31	0 23	16 15	0 22	18 38	4 44	21 41	21 49	0 48	14 47	2 58
T 8	3 14	12 18	3 31	10 56	1 34	17 35	0 37	6 50	0 12	18 1	0 37	22 37	0 35	15 30	0 23	16 14	0 22	18 38	4 44	21 39	21 48	0 45	14 48	2 58
F 9	2 50	15 51	2 41	10 27	1 40	17 21	0 32	7 6	0 12	17 58	0 37	22 37	0 35	15 30	0 23	16 14	0 22	18 38	4 43	21 38	21 48	0 43	14 50	2 58
S 10	2 27	18 45	1 44	9 56	1 44	17 7	0 28	7 22	0 11	17 55	0 37	22 36	0 35	15 30	0 23	16 13	0 22	18 39	4 43	21 38	21 47	0 40	14 51	2 58
S 11	2 3	20 50	0 40	9 22	1 48	16 53	0 23	7 38	0 10	17 52	0 37	22 36	0 35	15 29	0 23	16 13	0 22	18 39	4 43	21 37	21 47	0 38	14 52	2 58
M12	1 40	21 56	0s27	8 46	1 51	16 38	0 19	7 54	0 10	17 49	0 38	22 36	0 35	15 29	0 23	16 12	0 22	18 39	4 43	21 37	21 46	0 35	14 54	2 58
T 13	1 16	21 53	1 34	8 8	1 53	16 22	0 15	8 10	0 9	17 46	0 38	22 36	0 35	15 28	0 23	16 12	0 22	18 39	4 42	21 37	21 46	0 33	14 55	2 58
W14	0 53	20 36	2 39	7 28	1 54	16 6	0 10	8 26	0 8	17 43	0 38	22 36	0 35	15 28	0 24	16 11	0 22	18 40	4 42	21 37	21 45	0 30	14 57	2 58
T 15	0 29	18 5	3 36	6 48	1 54	15 50	0 6	8 42	0 8	17 40	0 38	22 35	0 35	15 27	0 24	16 11	0 22	18 40	4 42	21 37	21 45	0 28	14 58	2 58
F 16	0 6	14 25	4 22	6 5	1 53	15 33	0 2	8 58	0 7	17 37	0 38	22 35	0 35	15 27	0 24	16 10	0 22	18 40	4 42	21 36	21 44	0 25	15 0	2 58
S 17	0s18	9 47	4 52	5 22	1 52	15 16	0n 2	9 14	0 6	17 34	0 38	22 35	0 35	15 26	0 24	16 10	0 22	18 41	4 41	21 35	21 44	0 23	15 2	2 58
S 18	0 42	4 27	5 3	4 38	1 50	14 58	0 6	9 30	0 6	17 31	0 38	22 35	0 35	15 26	0 24	16 9	0 22	18 41	4 41	21 33	21 43	0 20	15 3	2 58
M19	1 5	1s12	4 53	3 53	1 48	14 39	0 10	9 45	0 5	17 28	0 39	22 34	0 35	15 25	0 24	16 9	0 22	18 41	4 41	21 32	21 43	0 18	15 5	2 58
T 20	1 29	6 49	4 22	3 8	1 45	14 21	0 14	10 1	0 5	17 25	0 39	22 34	0 35	15 25	0 24	16 8	0 22	18 41	4 41	21 30	21 42	0 15	15 6	2 58
W21	1 53	11 57	3 33	2 23	1 41	14 1	0 18	10 17	0 4	17 22	0 39	22 34	0 35	15 24	0 24	16 8	0 22	18 42	4 40	21 29	21 42	0 13	15 8	2 58
T 22	2 16	16 15	2 30	1 37	1 37	13 42	0 22	10 32	0 3	17 19	0 39	22 34	0 35	15 24	0 24	16 7	0 22	18 42	4 40	21 28	21 41	0 10	15 9	2 58
F 23	2 40	19 26	1 19	0 50	1 33	13 22	0 25	10 48	0 3	17 17	0 39	22 34	0 35	15 23	0 24	16 7	0 22	18 42	4 40	21 27	21 41	0 8	15 11	2 58
S 24	3 3	21 21	0 6	0 4	1 29	13 1	0 29	11 3	0 2	17 14	0 39	22 34	0 35	15 22	0 24	16 6	0 22	18 43	4 40	21 27	21 40	0 5	15 13	2 58
S 25	3 27	21 58	1n 5	0s42	1 24	12 40	0 32	11 18	0 1	17 11	0 40	22 33	0 35	15 22	0 24	16 6	0 22	18 43	4 39	21 27	21 39	0 3	15 14	2 58
M26	3 50	21 20	2 11	1 28	1 19	12 19	0 36	11 34	0 1	17 8	0 40	22 33	0 35	15 21	0 24	16 5	0 22	18 43	4 39	21 27	21 39	0 0	15 16	2 58
T 27	4 14	19 39	3 8	2 14	1 13	11 58	0 39	11 49	0 0	17 5	0 40	22 33	0 35	15 21	0 24	16 5	0 22	18 43	4 39	21 27	21 38	0n 2	15 18	2 58
W28	4 37	17 4	3 56	3 0	1 7	11 36	0 43	12 4	0s 1	17 3	0 40	22 33	0 35	15 20	0 24	16 4	0 23	18 44	4 39	21 27	21 38	0 4	15 19	2 58
T 29	5 1	13 48	4 32	3 46	1 2	11 13	0 46	12 19	0 1	17 0	0 40	22 33	0 35	15 19	0 24	16 4	0 23	18 44	4 38	21 27	21 37	0 7	15 21	2 58
F 30	5s24	10s 1	4n55	4s31	0n56	10n50	0n49	12s34	0s 2	16n57	0n41	22n33	0s35	15n19	0s24	16n 4	0n23	18s44	4n38	21s26	21s37	0n 9	15s22	2n58

Julian Day Number = 2184072.5, Delta T = 11m16s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'38, Lahiri = 13°38'39 Julian Calendar 1 Sept. 1267 == Greg. Calendar 8 Sept. 1267

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ASTRODIENST EPHEMERIS for the year 1267
geocentric

OCTOBER 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 5 59	14♎37'01	2♓29	15♎14	5♍12	3♏38	15♌28	10♋28	12°R35	17♌21	23♐24	6°R 3	7♐15	18♓49	21♏44	S 1
S 2	1 9 55	15°36'41	14°21	16°55	6°23	4°20	15°37	10°30	12♉33	17°23	23°25	5♐54	7°12	18°56	21°50	S 2
M 3	1 13 52	16°36'22	26°14	18°34	7°34	5° 2	15°46	10°31	12°31	17°24	23°27	5°44	7° 8	19° 3	21°57	M 3
T 4	1 17 48	17°36'06	8♈10	20°14	8°45	5°44	15°55	10°32	12°29	17°25	23°28	5°35	7° 5	19° 9	22° 4	T 4
W 5	1 21 45	18°35'51	20°11	21°52	9°56	6°27	16° 4	10°34	12°27	17°27	23°29	5°26	7° 2	19°16	22°11	W 5
T 6	1 25 41	19°35'38	2♉17	23°30	11° 8	7° 9	16°13	10°35	12°24	17°28	23°30	5°20	6°59	19°23	22°17	T 6
F 7	1 29 38	20°35'28	14°31	25° 8	12°19	7°51	16°22	10°36	12°22	17°29	23°31	5°15	6°56	19°29	22°24	F 7
S 8	1 33 35	21°35'19	26°54	26°45	13°31	8°33	16°31	10°37	12°20	17°30	23°32	5°13	6°53	19°36	22°31	S 8
S 9	1 37 31	22°35'13	9♊27	28°21	14°43	9°16	16°39	10°38	12°18	17°31	23°34	5°D13	6°49	19°43	22°38	S 9
M10	1 41 28	23°35'09	22°13	29°57	15°54	9°58	16°48	10°39	12°15	17°33	23°35	5°14	6°46	19°50	22°45	M10
T 11	1 45 24	24°35'07	5♋16	1♏32	17° 6	10°40	16°56	10°39	12°13	17°34	23°36	5°15	6°43	19°56	22°52	T 11
W12	1 49 21	25°35'08	18°36	3° 7	18°18	11°23	17° 4	10°40	12°11	17°35	23°37	5°17	6°40	20° 3	22°59	W12
T 13	1 53 17	26°35'10	2♌18	4°42	19°31	12° 6	17°13	10°40	12° 8	17°36	23°39	5°R17	6°37	20°10	23° 6	T 13
F 14	1 57 14	27°35'15	16°21	6°15	20°43	12°48	17°20	10°40	12° 6	17°37	23°40	5°15	6°33	20°17	23°13	F 14
S 15	2 1 10	28°35'22	0♍45	7°49	21°55	13°31	17°28	10°41	12° 3	17°38	23°42	5°12	6°30	20°23	23°20	S 15
S 16	2 5 7	29°35'31	15°27	9°22	23° 8	14°14	17°36	10°R41	12° 1	17°39	23°43	5° 8	6°27	20°30	23°27	S 16
M17	2 9 4	0♏35'42	0♎21	10°55	24°20	14°57	17°44	10°41	11°59	17°40	23°44	5° 2	6°24	20°37	23°34	M17
T 18	2 13 0	1°35'55	15°20	12°27	25°33	15°40	17°51	10°40	11°56	17°41	23°46	4°57	6°21	20°43	23°42	T 18
W19	2 16 57	2°36'10	0♏15	13°59	26°46	16°22	17°58	10°40	11°54	17°41	23°47	4°53	6°18	20°50	23°49	W19
T 20	2 20 53	3°36'27	14°56	15°30	27°59	17° 5	18° 5	10°40	11°51	17°42	23°49	4°50	6°14	20°57	23°56	T 20
F 21	2 24 50	4°36'46	29°17	17° 1	29°11	17°49	18°12	10°39	11°49	17°43	23°50	4°D49	6°11	21° 4	24° 3	F 21
S 22	2 28 46	5°37'06	13♐14	18°32	0♎24	18°32	18°19	10°39	11°46	17°44	23°52	4°49	6° 8	21°10	24°11	S 22
S 23	2 32 43	6°37'28	26°44	20° 2	1°37	19°15	18°26	10°38	11°44	17°45	23°54	4°50	6° 5	21°17	24°18	S 23
M24	2 36 39	7°37'52	9♑49	21°32	2°51	19°58	18°32	10°37	11°41	17°45	23°55	4°52	6° 2	21°24	24°25	M24
T 25	2 40 36	8°38'17	22°31	23° 2	4° 4	20°41	18°39	10°36	11°39	17°46	23°57	4°53	5°59	21°30	24°33	T 25
W26	2 44 33	9°38'43	4♒54	24°31	5°17	21°25	18°45	10°35	11°36	17°47	23°58	4°R54	5°55	21°37	24°40	W26
T 27	2 48 29	10°39'10	17° 3	25°59	6°30	22° 8	18°51	10°34	11°34	17°47	24° 0	4°54	5°52	21°44	24°47	T 27
F 28	2 52 26	11°39'39	29° 1	27°27	7°44	22°52	18°57	10°33	11°31	17°48	24° 2	4°53	5°49	21°51	24°55	F 28
S 29	2 56 22	12°40'10	10♓54	28°55	8°57	23°35	19° 3	10°31	11°29	17°48	24° 3	4°50	5°46	21°57	25° 2	S 29
S 30	3 0 19	13°40'41	22°46	0♐22	10°11	24°19	19° 9	10°30	11°26	17°49	24° 5	4°47	5°43	22° 4	25°10	S 30
M31	3 4 15	14♏41'14	4♈40	1♐49	11♎24	25♏ 2	19♌14	10♋28	11♉24	17♌49	24♐ 7	4♐44	5♐39	22♓11	25♏17	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s47	5s53	5n 5	5s16	0n49	10n27	0n52	12s49	0s 2	16n55	0n41	22n33	0s35	15n18	0s24	16n 3	0n23	18s45	4n38	21s24	21s36	0n12	15s24	2n58
S 2	6 10	1 32	5 3	6 0	0 43	10 4	0 55	13 4	0 3	16 52	0 41	22 33	0 34	15 17	0 24	16 3	0 23	18 45	4 38	21 23	21 36	0 14	15 26	2 58
M 3	6 33	2n53	4 47	6 44	0 37	9 40	0 58	13 19	0 4	16 50	0 41	22 33	0 34	15 17	0 24	16 2	0 23	18 45	4 37	21 21	21 35	0 17	15 27	2 58
T 4	6 56	7 12	4 19	7 28	0 30	9 16	1 1	13 33	0 4	16 47	0 41	22 32	0 34	15 16	0 24	16 2	0 23	18 45	4 37	21 19	21 35	0 19	15 29	2 58
W 5	7 19	11 17	3 39	8 11	0 24	8 52	1 4	13 48	0 5	16 44	0 41	22 32	0 34	15 15	0 24	16 2	0 23	18 46	4 37	21 18	21 34	0 22	15 31	2 58
T 6	7 42	14 57	2 48	8 54	0 17	8 27	1 7	14 2	0 6	16 42	0 42	22 32	0 34	15 15	0 24	16 1	0 23	18 46	4 37	21 16	21 34	0 24	15 32	2 58
F 7	8 4	18 0	1 50	9 36	0 10	8 2	1 10	14 17	0 6	16 39	0 42	22 32	0 34	15 14	0 24	16 1	0 23	18 46	4 37	21 16	21 33	0 27	15 34	2 58
S 8	8 27	20 16	0 45	10 18	0 4	7 37	1 12	14 31	0 7	16 37	0 42	22 32	0 34	15 13	0 24	16 1	0 23	18 47	4 36	21 15	21 33	0 29	15 36	2 58
S 9	8 49	21 35	0s23	10 59	0s 3	7 11	1 15	14 45	0 7	16 35	0 42	22 32	0 34	15 13	0 24	16 0	0 23	18 47	4 36	21 15	21 32	0 31	15 37	2 58
M10	9 12	21 47	1 31	11 39	0 10	6 46	1 17	14 59	0 8	16 32	0 42	22 32	0 34	15 12	0 24	16 0	0 23	18 47	4 36	21 15	21 32	0 34	15 39	2 59
T 11	9 34	20 50	2 36	12 19	0 17	6 20	1 19	15 13	0 9	16 30	0 43	22 32	0 34	15 11	0 24	16 0	0 23	18 47	4 36	21 16	21 31	0 36	15 41	2 59
W12	9 56	18 42	3 34	12 58	0 23	5 53	1 22	15 27	0 9	16 28	0 43	22 32	0 34	15 11	0 24	15 59	0 23	18 48	4 35	21 16	21 30	0 39	15 42	2 59
T 13	10 18	15 29	4 21	13 36	0 30	5 27	1 24	15 41	0 10	16 25	0 43	22 32	0 34	15 10	0 24	15 59	0 23	18 48	4 35	21 16	21 30	0 41	15 44	2 59
F 14	10 39	11 19	4 54	14 14	0 37	5 0	1 26	15 55	0 11	16 23	0 43	22 32	0 34	15 9	0 24	15 59	0 23	18 48	4 35	21 16	21 29	0 44	15 46	2 59
S 15	11 1	6 25	5 10	14 51	0 43	4 34	1 28	16 8	0 11	16 21	0 43	22 32	0 34	15 8	0 24	15 58	0 23	18 49	4 35	21 15	21 29	0 46	15 48	2 59
S 16	11 22	1 3	5 6	15 27	0 50	4 6	1 30	16 22	0 12	16 19	0 44	22 32	0 34	15 8	0 24	15 58	0 23	18 49	4 35	21 14	21 28	0 49	15 49	2 59
M17	11 44	4s27	4 42	16 3	0 56	3 39	1 31	16 35	0 12	16 17	0 44	22 32	0 34	15 7	0 24	15 58	0 23	18 49	4 34	21 13	21 28	0 51	15 51	2 59
T 18	12 5	9 43	3 58	16 37	1 2	3 12	1 33	16 48	0 13	16 14	0 44	22 32	0 34	15 6	0 24	15 58	0 23	18 49	4 34	21 12	21 27	0 53	15 53	2 59
W19	12 25	14 22	2 58	17 11	1 9	2 44	1 35	17 1	0 14	16 12	0 44	22 32	0 34	15 5	0 24	15 57	0 23	18 50	4 34	21 12	21 27	0 56	15 54	2 59
T 20	12 46	18 5	1 47	17 44	1 15	2 17	1 36	17 14	0 14	16 10	0 45	22 32	0 34	15 5	0 24	15 57	0 23	18 50	4 34	21 11	21 26	0 58	15 56	2 59
F 21	13 7	20 34	0 30	18 16	1 21	1 49	1 38	17 27	0 15	16 8	0 45	22 33	0 34	15 4	0 24	15 57	0 23	18 50	4 33	21 11	21 26	1 1	15 58	3 0
S 22	13 27	21 43	0n46	18 48	1 26	1 21	1 39	17 39	0 15	16 7	0 45	22 33	0 34	15 3	0 24	15 57	0 23	18 50	4 33	21 11	21 25	1 3	15 59	3 0
S 23	13 47	21 32	1 57	19 18	1 32	0 53	1 40	17 52	0 16	16 5	0 45	22 33	0 34	15 2	0 24	15 56	0 23	18 51	4 33	21 11	21 24	1 6	16 1	3 0
M24	14 7	20 10	3 0	19 47	1 38	0 25	1 41	18 4	0 17	16 3	0 45	22 33	0 34	15 2	0 24	15 56	0 23	18 51	4 33	21 11	21 24	1 8	16 3	3 0
T 25	14 26	17 49	3 53	20 16	1 43	0s 3	1 43	18 16	0 17	16 1	0 46	22 33	0 34	15 1	0 24	15 56	0 23	18 51	4 33	21 12	21 23	1 10	16 4	3 0
W26	14 46	14 42	4 33	20 43	1 48	0 31	1 44	18 28	0 18	15 59	0 46	22 33	0 34	15 0	0 23	15 56	0 23	18 52	4 32	21 12	21 23	1 13	16 6	3 0
T 27	15 5	11 2	4 59	21 9	1 53	1 0	1 44	18 40	0 18	15 58	0 46	22 33	0 34	14 59	0 23	15 56	0 23	18 52	4 32	21 12	21 22	1 15	16 7	3 0
F 28	15 23	6 58	5 13	21 35	1 58	1 28	1 45	18 52	0 19	15 56	0 46	22 33	0 33	14 59	0 23	15 56	0 23	18 52	4 32	21 12	21 22	1 18	16 9	3 0
S 29	15 42	2 41	5 13	21 59	2 2	1 56	1 46	19 4	0 20	15 54	0 47	22 34	0 33	14 58	0 23	15 55	0 23	18 52	4 32	21 11	21 21	1 20	16 11	3 1
S 30	16 0	1n42	4 59	22 22	2 6	2 25	1 47	19 15	0 20	15 53	0 47	22 34	0 33	14 57	0 23	15 55	0 23	18 53	4 32	21 11	21 21	1 23	16 12	3 1
M31	16s18	6n 2	4n33	22s44	2s10	2s53	1n47	19s26	0s21	15n51	0n47	22n34	0s33	14n56	0s23	15n55	0n23	18s53	4n31	21s10	21s20	1n25	16s14	3n 1

Julian Day Number = 2184102.5, Delta T = 11m16s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'43, Lahiri = 13°38'43 Julian Calendar 1 Oct. 1267 == Greg. Calendar 8 Oct. 1267

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ASTRODIENST EPHEMERIS for the year 1267
geocentric

NOVEMBER 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 8 12	15♏41'48	16♈40	3♐15	12♎38	25♏46	19♌19	10°R26	11°R21	17♌50	24♐ 9	4°R41	5♐36	22♓17	25♏24	T 1
W 2	3 12 8	16°42'24	28°48	4°40	13°52	26°30	19°24	10♋24	11♉19	17°50	24°11	4♐38	5°33	22°24	25°32	W 2
T 3	3 16 5	17°43'01	11♉ 6	6° 5	15° 5	27°14	19°29	10°23	11°16	17°50	24°12	4°36	5°30	22°31	25°39	T 3
F 4	3 20 2	18°43'40	23°35	7°29	16°19	27°57	19°34	10°20	11°14	17°51	24°14	4°35	5°27	22°38	25°47	F 4
S 5	3 23 58	19°44'20	6♊16	8°51	17°33	28°41	19°39	10°18	11°11	17°51	24°16	4°D34	5°24	22°44	25°54	S 5
S 6	3 27 55	20°45'02	19° 9	10°13	18°47	29°25	19°43	10°16	11° 9	17°51	24°18	4°35	5°20	22°51	26° 2	S 6
M 7	3 31 51	21°45'45	2♋15	11°34	20° 1	0♐ 9	19°48	10°14	11° 6	17°52	24°20	4°36	5°17	22°58	26° 9	M 7
T 8	3 35 48	22°46'29	15°34	12°53	21°15	0°53	19°52	10°11	11° 4	17°52	24°22	4°37	5°14	23° 4	26°17	T 8
W 9	3 39 44	23°47'16	29° 6	14°10	22°29	1°38	19°56	10° 9	11° 2	17°52	24°24	4°38	5°11	23°11	26°24	W 9
T 10	3 43 41	24°48'03	12♌52	15°26	23°43	2°22	20° 0	10° 6	10°59	17°52	24°25	4°38	5° 8	23°18	26°32	T 10
F 11	3 47 37	25°48'53	26°51	16°39	24°57	3° 6	20° 3	10° 3	10°57	17°52	24°27	4°R39	5° 4	23°25	26°39	F 11
S 12	3 51 34	26°49'43	11♍ 2	17°51	26°12	3°50	20° 7	10° 1	10°54	17°52	24°29	4°38	5° 1	23°31	26°47	S 12
S 13	3 55 31	27°50'36	25°23	18°59	27°26	4°35	20°10	9°58	10°52	17°R52	24°31	4°38	4°58	23°38	26°54	S 13
M14	3 59 27	28°51'29	9♎51	20° 4	28°40	5°19	20°13	9°55	10°50	17°52	24°33	4°37	4°55	23°45	27° 2	M14
T 15	4 3 24	29°52'24	24°22	21° 6	29°54	6° 3	20°16	9°51	10°47	17°52	24°35	4°36	4°52	23°51	27°10	T 15
W16	4 7 20	0♐53'21	8♏49	22° 4	1♏ 9	6°48	20°18	9°48	10°45	17°52	24°37	4°36	4°49	23°58	27°17	W16
T 17	4 11 17	1°54'19	23° 9	22°56	2°23	7°33	20°21	9°45	10°43	17°52	24°39	4°36	4°45	24° 5	27°25	T 17
F 18	4 15 13	2°55'17	7♐14	23°44	3°38	8°17	20°23	9°42	10°40	17°52	24°41	4°D36	4°42	24°12	27°32	F 18
S 19	4 19 10	3°56'17	21° 2	24°25	4°52	9° 2	20°25	9°38	10°38	17°52	24°43	4°36	4°39	24°18	27°39	S 19
S 20	4 23 6	4°57'18	4♑30	25° 0	6° 7	9°47	20°27	9°35	10°36	17°51	24°45	4°R36	4°36	24°25	27°47	S 20
M21	4 27 3	5°58'19	17°35	25°26	7°21	10°31	20°29	9°31	10°34	17°51	24°48	4°36	4°33	24°32	27°54	M21
T 22	4 31 0	6°59'21	0♒21	25°44	8°36	11°16	20°31	9°27	10°32	17°51	24°50	4°36	4°30	24°39	28° 2	T 22
W23	4 34 56	8° 0'24	12°47	25°R53	9°51	12° 1	20°32	9°23	10°29	17°51	24°52	4°35	4°26	24°45	28° 9	W23
T 24	4 38 53	9° 1'27	24°58	25°51	11° 5	12°46	20°33	9°20	10°27	17°50	24°54	4°35	4°23	24°52	28°17	T 24
F 25	4 42 49	10° 2'31	6♓59	25°38	12°20	13°31	20°34	9°16	10°25	17°50	24°56	4°D35	4°20	24°59	28°24	F 25
S 26	4 46 46	11° 3'35	18°52	25°14	13°35	14°16	20°35	9°12	10°23	17°49	24°58	4°35	4°17	25° 5	28°31	S 26
S 27	4 50 42	12° 4'40	0♈44	24°39	14°49	15° 1	20°35	9° 7	10°21	17°49	25° 0	4°35	4°14	25°12	28°39	S 27
M28	4 54 39	13° 5'45	12°39	23°52	16° 4	15°46	20°36	9° 3	10°19	17°48	25° 2	4°36	4°10	25°19	28°46	M28
T 29	4 58 35	14° 6'51	24°41	22°54	17°19	16°31	20°R36	8°59	10°17	17°48	25° 4	4°37	4° 7	25°26	28°53	T 29
W30	5 2 32	15♐ 7'57	6♉54	21♐47	18♏33	17♐16	20♌36	8♋55	10♉15	17♌47	25♐ 6	4♐38	4♐ 4	25♓32	29♏ 1	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s36	10n11	3n54	23s 5	2s14	3s21	1n48	19s37	0s21	15n50	0n47	22n34	0s33	14n55	0s23	15n55	0n23	18s53	4n31	21s 9	21s19	1n27	16s16	3n 1
W 2	16 54	13 58	3 5	23 24	2 17	3 50	1 48	19 48	0 22	15 49	0 47	22 34	0 33	14 55	0 23	15 55	0 23	18 53	4 31	21 9	21 19	1 30	16 17	3 1
T 3	17 11	17 13	2 6	23 42	2 20	4 18	1 48	19 59	0 23	15 47	0 48	22 34	0 33	14 54	0 23	15 55	0 23	18 54	4 31	21 8	21 18	1 32	16 19	3 1
F 4	17 28	19 43	1 0	23 59	2 23	4 46	1 49	20 10	0 23	15 46	0 48	22 35	0 33	14 53	0 23	15 55	0 23	18 54	4 31	21 8	21 18	1 35	16 20	3 1
S 5	17 44	21 17	0s 9	24 15	2 25	5 14	1 49	20 20	0 24	15 45	0 48	22 35	0 33	14 52	0 23	15 55	0 23	18 54	4 31	21 8	21 17	1 37	16 22	3 2
S 6	18 1	21 46	1 20	24 29	2 27	5 43	1 49	20 30	0 24	15 43	0 48	22 35	0 33	14 52	0 23	15 55	0 23	18 54	4 30	21 8	21 17	1 39	16 24	3 2
M 7	18 17	21 4	2 27	24 42	2 28	6 11	1 49	20 40	0 25	15 42	0 49	22 35	0 33	14 51	0 23	15 55	0 23	18 55	4 30	21 8	21 16	1 42	16 25	3 2
T 8	18 32	19 11	3 28	24 53	2 29	6 39	1 49	20 50	0 26	15 41	0 49	22 36	0 33	14 50	0 23	15 55	0 23	18 55	4 30	21 9	21 15	1 44	16 27	3 2
W 9	18 48	16 12	4 18	25 3	2 29	7 6	1 48	21 0	0 26	15 40	0 49	22 36	0 33	14 49	0 23	15 55	0 24	18 55	4 30	21 9	21 15	1 47	16 28	3 2
T 10	19 3	12 18	4 54	25 12	2 28	7 34	1 48	21 9	0 27	15 39	0 49	22 36	0 33	14 49	0 23	15 55	0 24	18 55	4 30	21 9	21 14	1 49	16 30	3 3
F 11	19 17	7 41	5 14	25 18	2 27	8 2	1 48	21 18	0 27	15 38	0 50	22 36	0 33	14 48	0 23	15 55	0 24	18 56	4 30	21 9	21 14	1 52	16 31	3 3
S 12	19 31	2 36	5 15	25 24	2 26	8 29	1 47	21 27	0 28	15 37	0 50	22 37	0 33	14 47	0 23	15 55	0 24	18 56	4 29	21 9	21 13	1 54	16 33	3 3
S 13	19 45	2s42	4 57	25 27	2 23	8 56	1 47	21 36	0 29	15 37	0 50	22 37	0 33	14 47	0 23	15 55	0 24	18 56	4 29	21 9	21 13	1 56	16 34	3 3
M14	19 59	7 53	4 19	25 29	2 20	9 23	1 46	21 45	0 29	15 36	0 50	22 37	0 33	14 46	0 23	15 55	0 24	18 56	4 29	21 9	21 12	1 59	16 36	3 3
T 15	20 12	12 39	3 25	25 30	2 16	9 50	1 45	21 53	0 30	15 35	0 51	22 38	0 32	14 45	0 23	15 55	0 24	18 57	4 29	21 9	21 11	2 1	16 37	3 4
W16	20 25	16 41	2 18	25 28	2 11	10 17	1 45	22 2	0 30	15 35	0 51	22 38	0 32	14 44	0 23	15 55	0 24	18 57	4 29	21 9	21 11	2 3	16 39	3 4
T 17	20 37	19 39	1 3	25 25	2 5	10 43	1 44	22 10	0 31	15 34	0 51	22 38	0 32	14 44	0 23	15 55	0 24	18 57	4 29	21 8	21 10	2 6	16 40	3 4
F 18	20 49	21 22	0n15	25 20	1 57	11 10	1 43	22 17	0 31	15 34	0 51	22 38	0 32	14 43	0 23	15 55	0 24	18 57	4 28	21 8	21 10	2 8	16 42	3 4
S 19	21 1	21 44	1 30	25 14	1 49	11 36	1 42	22 25	0 32	15 33	0 52	22 39	0 32	14 42	0 23	15 55	0 24	18 58	4 28	21 8	21 9	2 11	16 43	3 4
S 20	21 12	20 49	2 38	25 6	1 39	12 1	1 41	22 32	0 32	15 33	0 52	22 39	0 32	14 42	0 23	15 55	0 24	18 58	4 28	21 8	21 9	2 13	16 45	3 5
M21	21 23	18 47	3 37	24 56	1 28	12 27	1 40	22 39	0 33	15 32	0 52	22 39	0 32	14 41	0 23	15 55	0 24	18 58	4 28	21 8	21 8	2 15	16 46	3 5
T 22	21 34	15 53	4 22	24 44	1 16	12 52	1 39	22 46	0 34	15 32	0 52	22 40	0 32	14 40	0 23	15 55	0 24	18 58	4 28	21 8	21 7	2 18	16 47	3 5
W23	21 44	12 20	4 55	24 31	1 2	13 17	1 37	22 53	0 34	15 32	0 53	22 40	0 32	14 40	0 23	15 55	0 24	18 58	4 28	21 8	21 7	2 20	16 49	3 5
T 24	21 53	8 20	5 13	24 15	0 47	13 42	1 36	22 59	0 35	15 32	0 53	22 40	0 32	14 39	0 23	15 55	0 24	18 59	4 28	21 8	21 6	2 23	16 50	3 6
F 25	22 3	4 5	5 17	23 59	0 31	14 6	1 35	23 6	0 35	15 32	0 53	22 41	0 32	14 38	0 23	15 56	0 24	18 59	4 27	21 8	21 6	2 25	16 52	3 6
S 26	22 11	0n18	5 7	23 40	0 13	14 30	1 33	23 12	0 36	15 32	0 53	22 41	0 32	14 38	0 23	15 56	0 24	18 59	4 27	21 8	21 5	2 27	16 53	3 6
S 27	22 20	4 39	4 45	23 20	0n 5	14 53	1 32	23 17	0 36	15 32	0 54	22 42	0 32	14 37	0 23	15 56	0 24	18 59	4 27	21 8	21 4	2 30	16 54	3 6
M28	22 28	8 51	4 10	22 58	0 25	15 16	1 30	23 23	0 37	15 32	0 54	22 42	0 32	14 36	0 23	15 56	0 24	19 0	4 27	21 9	21 4	2 32	16 56	3 7
T 29	22 35	12 45	3 24	22 35	0 45	15 39	1 28	23 28	0 37	15 32	0 54	22 42	0 31	14 36	0 23	15 56	0 24	19 0	4 27	21 9	21 3	2 34	16 57	3 7
W30	22s42	16n12	2n28	22s11	1n 5	16s 2	1n27	23s33	0s38	15n32	0n54	22n43	0s31	14n35	0s23	15n56	0n24	19s 0	4n27	21s 9	21s 3	2n37	16s58	3n 7

Julian Day Number = 2184133.5, Delta T = 11m16s
Ecliptic obliquity = 23°32'00, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'47, Lahiri = 13°38'47 Julian Calendar 1 Nov. 1267 == Greg. Calendar 8 Nov. 1267

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ASTRODIENST EPHEMERIS for the year 1267
geocentric

DECEMBER 1267 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 6 29	16♐ 9'03	19♉21	20°R32	19♏48	18♐ 2	20°R36	8°R51	10°R13	17°R47	25♐ 9	4♐39	4♐ 1	25♓39	29♏ 8	T 1
F 2	5 10 25	17°10'10	2♊ 4	19♐12	21° 3	18°47	20♌35	8♋46	10♉11	17♌46	25°11	4°R39	3°58	25°46	29°15	F 2
S 3	5 14 22	18°11'17	15° 5	17°50	22°18	19°32	20°35	8°42	10°10	17°46	25°13	4°39	3°55	25°52	29°23	S 3
S 4	5 18 18	19°12'25	28°22	16°28	23°33	20°18	20°34	8°37	10° 8	17°45	25°15	4°38	3°51	25°59	29°30	S 4
M 5	5 22 15	20°13'33	11♋55	15° 8	24°48	21° 3	20°33	8°33	10° 6	17°44	25°17	4°36	3°48	26° 6	29°37	M 5
T 6	5 26 11	21°14'42	25°41	13°54	26° 3	21°48	20°32	8°28	10° 4	17°43	25°19	4°34	3°45	26°13	29°44	T 6
W 7	5 30 8	22°15'51	9♌37	12°47	27°17	22°34	20°31	8°23	10° 3	17°43	25°21	4°32	3°42	26°19	29°51	W 7
T 8	5 34 4	23°17'01	23°42	11°50	28°32	23°20	20°29	8°19	10° 1	17°42	25°24	4°29	3°39	26°26	29°58	T 8
F 9	5 38 1	24°18'11	7♍50	11° 2	29°47	24° 5	20°27	8°14	9°59	17°41	25°26	4°28	3°36	26°33	0♑ 5	F 9
S 10	5 41 58	25°19'22	22° 1	10°25	1♑ 2	24°51	20°25	8° 9	9°58	17°40	25°28	4°D27	3°32	26°39	0°12	S 10
S 11	5 45 54	26°20'33	6♎11	9°58	2°17	25°36	20°23	8° 5	9°56	17°39	25°30	4°27	3°29	26°46	0°19	S 11
M12	5 49 51	27°21'45	20°19	9°42	3°32	26°22	20°21	8° 0	9°55	17°38	25°32	4°28	3°26	26°53	0°26	M12
T 13	5 53 47	28°22'57	4♏23	9°D36	4°47	27° 8	20°18	7°55	9°53	17°37	25°34	4°30	3°23	27° 0	0°33	T 13
W14	5 57 44	29°24'10	18°21	9°39	6° 2	27°54	20°16	7°50	9°52	17°36	25°37	4°31	3°20	27° 6	0°40	W14
T 15	6 1 40	0♑25'22	2♑11	9°51	7°17	28°40	20°13	7°45	9°51	17°35	25°39	4°R32	3°16	27°13	0°47	T 15
F 16	6 5 37	1°26'35	15°50	10°10	8°32	29°26	20°10	7°40	9°49	17°34	25°41	4°31	3°13	27°20	0°54	F 16
S 17	6 9 33	2°27'48	29°18	10°37	9°47	0♑12	20° 6	7°35	9°48	17°33	25°43	4°29	3°10	27°26	1° 1	S 17
S 18	6 13 30	3°29'01	12♑30	11°11	11° 2	0°57	20° 3	7°30	9°47	17°32	25°45	4°26	3° 7	27°33	1° 7	S 18
M19	6 17 27	4°30'14	25°27	11°50	12°18	1°44	19°59	7°25	9°46	17°31	25°47	4°21	3° 4	27°40	1°14	M19
T 20	6 21 23	5°31'27	8♒ 8	12°34	13°33	2°30	19°55	7°20	9°45	17°30	25°49	4°16	3° 1	27°46	1°21	T 20
W21	6 25 20	6°32'39	20°33	13°23	14°48	3°16	19°51	7°16	9°44	17°29	25°52	4°10	2°57	27°53	1°27	W21
T 22	6 29 16	7°33'50	2♓45	14°17	16° 3	4° 2	19°47	7°11	9°43	17°28	25°54	4° 5	2°54	28° 0	1°34	T 22
F 23	6 33 13	8°35'01	14°45	15°14	17°18	4°48	19°43	7° 6	9°42	17°26	25°56	4° 0	2°51	28° 7	1°40	F 23
S 24	6 37 9	9°36'12	26°39	16°14	18°33	5°34	19°38	7° 1	9°41	17°25	25°58	3°58	2°48	28°13	1°47	S 24
S 25	6 41 6	10°37'22	8♈30	17°17	19°48	6°20	19°34	6°56	9°40	17°24	26° 0	3°D57	2°45	28°20	1°53	S 25
M26	6 45 3	11°38'31	20°23	18°23	21° 3	7° 7	19°29	6°51	9°39	17°23	26° 2	3°57	2°42	28°27	1°59	M26
T 27	6 48 59	12°39'40	2♉24	19°32	22°18	7°53	19°24	6°46	9°38	17°21	26° 4	3°59	2°38	28°33	2° 6	T 27
W28	6 52 56	13°40'48	14°37	20°42	23°33	8°39	19°19	6°41	9°38	17°20	26° 6	4° 0	2°35	28°40	2°12	W28
T 29	6 56 52	14°41'55	27° 7	21°55	24°48	9°26	19°13	6°36	9°37	17°19	26° 8	4° 2	2°32	28°47	2°18	T 29
F 30	7 0 49	15°43'01	9♊58	23° 9	26° 3	10°12	19° 8	6°31	9°36	17°17	26°11	4°R 2	2°29	28°54	2°24	F 30
S 31	7 4 45	16♑44'07	23♊11	24♑25	27♑18	10♑59	19♌ 2	6♋26	9♉36	17♌16	26♑13	4♑ 0	2♑26	29♓ 0	2♑30	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s49	18n59	1n24	21s47	1n25	16s24	1n25	23s38	0s38	15n33	0n55	22n43	0s31	14n35	0s23	15n57	0n24	19s 0	4n27	21s 9	21s 2	2n39	17s 0	3n 7
F 2	22 55	20 53	0 14	21 22	1 44	16 45	1 23	23 42	0 39	15 33	0 55	22 43	0 31	14 34	0 23	15 57	0 24	19 0	4 27	21 9	21 1	2 42	17 1	3 8
S 3	23 0	21 45	0s57	20 57	2 2	17 6	1 21	23 46	0 39	15 34	0 55	22 44	0 31	14 34	0 23	15 57	0 24	19 0	4 26	21 9	21 1	2 44	17 2	3 8
S 4	23 6	21 24	2 7	20 34	2 18	17 27	1 20	23 50	0 40	15 34	0 55	22 44	0 31	14 33	0 23	15 57	0 24	19 1	4 26	21 9	21 0	2 46	17 3	3 8
M 5	23 10	19 49	3 12	20 12	2 31	17 47	1 18	23 54	0 41	15 35	0 56	22 44	0 31	14 33	0 23	15 58	0 24	19 1	4 26	21 9	21 0	2 49	17 5	3 9
T 6	23 15	17 4	4 6	19 52	2 43	18 7	1 16	23 58	0 41	15 35	0 56	22 45	0 31	14 32	0 23	15 58	0 24	19 1	4 26	21 8	20 59	2 51	17 6	3 9
W 7	23 18	13 19	4 46	19 35	2 52	18 26	1 14	24 1	0 42	15 36	0 56	22 45	0 31	14 31	0 23	15 58	0 24	19 1	4 26	21 8	20 58	2 53	17 7	3 9
T 8	23 22	8 48	5 10	19 21	2 58	18 45	1 11	24 4	0 42	15 37	0 57	22 46	0 31	14 31	0 23	15 58	0 24	19 1	4 26	21 7	20 58	2 56	17 8	3 10
F 9	23 25	3 48	5 15	19 10	3 3	19 3	1 9	24 7	0 43	15 37	0 57	22 46	0 31	14 30	0 23	15 59	0 24	19 2	4 26	21 7	20 57	2 58	17 9	3 10
S 10	23 27	1s25	5 1	19 3	3 5	19 21	1 7	24 9	0 43	15 38	0 57	22 46	0 31	14 30	0 23	15 59	0 24	19 2	4 26	21 7	20 57	3 0	17 10	3 10
S 11	23 29	6 34	4 28	18 59	3 5	19 38	1 5	24 11	0 44	15 39	0 57	22 47	0 30	14 30	0 23	15 59	0 24	19 2	4 26	21 7	20 56	3 3	17 12	3 11
M12	23 30	11 21	3 40	18 58	3 4	19 55	1 3	24 13	0 44	15 40	0 58	22 47	0 30	14 29	0 23	16 0	0 24	19 2	4 26	21 7	20 55	3 5	17 13	3 11
T 13	23 31	15 31	2 38	19 0	3 1	20 11	1 0	24 15	0 45	15 41	0 58	22 48	0 30	14 29	0 23	16 0	0 24	19 2	4 25	21 7	20 55	3 7	17 14	3 11
W14	23 32	18 46	1 28	19 4	2 57	20 27	0 58	24 16	0 45	15 42	0 58	22 48	0 30	14 28	0 23	16 0	0 24	19 2	4 25	21 8	20 54	3 10	17 15	3 12
T 15	23 32	20 53	0 13	19 11	2 52	20 42	0 56	24 17	0 46	15 44	0 58	22 48	0 30	14 28	0 23	16 0	0 24	19 3	4 25	21 8	20 54	3 12	17 16	3 12
F 16	23 32	21 45	1n 2	19 20	2 46	20 56	0 53	24 18	0 46	15 45	0 59	22 49	0 30	14 27	0 23	16 1	0 24	19 3	4 25	21 8	20 53	3 15	17 17	3 12
S 17	23 31	21 20	2 12	19 30	2 39	21 10	0 51	24 18	0 46	15 46	0 59	22 49	0 30	14 27	0 23	16 1	0 24	19 3	4 25	21 7	20 52	3 17	17 18	3 13
S 18	23 29	19 44	3 13	19 42	2 31	21 23	0 49	24 19	0 47	15 47	0 59	22 49	0 30	14 27	0 23	16 2	0 24	19 3	4 25	21 7	20 52	3 19	17 19	3 13
M19	23 27	17 9	4 3	19 56	2 23	21 36	0 46	24 19	0 47	15 49	0 59	22 50	0 30	14 26	0 23	16 2	0 24	19 3	4 25	21 6	20 51	3 22	17 20	3 13
T 20	23 25	13 47	4 40	20 9	2 15	21 47	0 44	24 18	0 48	15 50	1 0	22 50	0 30	14 26	0 23	16 2	0 24	19 3	4 25	21 5	20 51	3 24	17 21	3 14
W21	23 22	9 54	5 3	20 24	2 7	21 59	0 41	24 18	0 48	15 52	1 0	22 51	0 29	14 26	0 22	16 3	0 24	19 3	4 25	21 4	20 50	3 26	17 22	3 14
T 22	23 19	5 41	5 12	20 39	1 58	22 9	0 39	24 17	0 49	15 53	1 0	22 51	0 29	14 25	0 22	16 3	0 25	19 4	4 25	21 3	20 49	3 29	17 23	3 14
F 23	23 15	1 19	5 6	20 54	1 49	22 19	0 36	24 16	0 49	15 55	1 0	22 51	0 29	14 25	0 22	16 3	0 25	19 4	4 25	21 2	20 49	3 31	17 24	3 15
S 24	23 11	3n 4	4 48	21 9	1 40	22 29	0 34	24 15	0 50	15 57	1 1	22 52	0 29	14 25	0 22	16 4	0 25	19 4	4 25	21 1	20 48	3 33	17 25	3 15
S 25	23 6	7 19	4 17	21 25	1 31	22 37	0 31	24 13	0 50	15 58	1 1	22 52	0 29	14 25	0 22	16 4	0 25	19 4	4 25	21 1	20 47	3 35	17 26	3 16
M26	23 1	11 19	3 35	21 40	1 22	22 45	0 29	24 11	0 51	16 0	1 1	22 53	0 29	14 24	0 22	16 5	0 25	19 4	4 24	21 1	20 47	3 38	17 26	3 16
T 27	22 56	14 55	2 43	21 54	1 13	22 53	0 26	24 9	0 51	16 2	1 1	22 53	0 29	14 24	0 22	16 5	0 25	19 4	4 24	21 2	20 46	3 40	17 27	3 16
W28	22 50	17 56	1 44	22 8	1 4	22 59	0 23	24 6	0 51	16 4	1 1	22 53	0 29	14 24	0 22	16 5	0 25	19 4	4 24	21 2	20 46	3 42	17 28	3 17
T 29	22 43	20 12	0 37	22 22	0 55	23 5	0 21	24 4	0 52	16 6	1 2	22 54	0 29	14 24	0 22	16 6	0 25	19 4	4 24	21 2	20 45	3 45	17 29	3 17
F 30	22 36	21 30	0s32	22 35	0 46	23 10	0 18	24 0	0 52	16 7	1 2	22 54	0 28	14 24	0 22	16 6	0 25	19 5	4 24	21 2	20 44	3 47	17 30	3 18
S 31	22s29	21n40	1s42	22s47	0n38	23s15	0n16	23s57	0s53	16n 9	1n 2	22n54	0s28	14n23	0s22	16n 7	0n25	19s 5	4n24	21s 2	20s44	3n49	17s30	3n18

Julian Day Number = 2184163.5, Delta T = 11m15s
Ecliptic obliquity = 23°31'59, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'51, Lahiri = 13°38'51 Julian Calendar 1 Dec. 1267 == Greg. Calendar 8 Dec. 1267

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1268
geocentric

JANUARY 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 8 42	17♉45'12	6♋48	25♐42	28♐34	11♉45	18°R56	6°R21	9°R35	17°R15	26♐15	3°R56	2♐22	29♓ 7	2♐36	S 1
M 2	7 12 38	18°46'16	20°45	27° 1	29°49	12°31	18♌50	6♋17	9♉35	17♌13	26°17	3♐50	2°19	29°14	2°42	M 2
T 3	7 16 35	19°47'20	5♌ 1	28°21	1♉ 4	13°18	18°44	6°12	9°34	17°12	26°19	3°43	2°16	29°20	2°48	T 3
W 4	7 20 32	20°48'23	19°28	29°42	2°19	14° 5	18°38	6° 7	9°34	17°10	26°21	3°35	2°13	29°27	2°54	W 4
T 5	7 24 28	21°49'25	4♍ 0	1♉ 4	3°34	14°51	18°32	6° 3	9°34	17° 9	26°23	3°28	2°10	29°34	3° 0	T 5
F 6	7 28 25	22°50'27	18°32	2°27	4°49	15°38	18°25	5°58	9°33	17° 7	26°25	3°21	2° 7	29°41	3° 5	F 6
S 7	7 32 21	23°51'28	2♎56	3°51	6° 4	16°24	18°19	5°53	9°33	17° 6	26°27	3°17	2° 3	29°47	3°11	S 7
S 8	7 36 18	24°52'28	17°11	5°16	7°19	17°11	18°12	5°49	9°33	17° 4	26°29	3°15	2° 0	29°54	3°16	S 8
M 9	7 40 14	25°53'28	1♏13	6°42	8°34	17°58	18° 5	5°44	9°33	17° 3	26°31	3°D15	1°57	0♈ 1	3°22	M 9
T 10	7 44 11	26°54'28	15° 2	8° 9	9°49	18°45	17°58	5°40	9°D33	17° 1	26°32	3°16	1°54	0° 7	3°27	T 10
W11	7 48 7	27°55'26	28°39	9°37	11° 4	19°31	17°51	5°35	9°33	17° 0	26°34	3°R17	1°51	0°14	3°33	W11
T 12	7 52 4	28°56'24	12♐ 4	11° 5	12°20	20°18	17°44	5°31	9°33	16°58	26°36	3°16	1°48	0°21	3°38	T 12
F 13	7 56 1	29°57'22	25°17	12°34	13°35	21° 5	17°37	5°27	9°33	16°57	26°38	3°14	1°44	0°27	3°43	F 13
S 14	7 59 57	0♒58'18	8♉20	14° 4	14°50	21°52	17°30	5°23	9°33	16°55	26°40	3° 9	1°41	0°34	3°48	S 14
S 15	8 3 54	1°59'13	21°12	15°35	16° 5	22°39	17°22	5°18	9°33	16°53	26°42	3° 1	1°38	0°41	3°54	S 15
M16	8 7 50	3° 0'07	3♒53	17° 7	17°20	23°25	17°15	5°14	9°34	16°52	26°44	2°51	1°35	0°48	3°59	M16
T 17	8 11 47	4° 1'00	16°22	18°39	18°35	24°12	17° 7	5°10	9°34	16°50	26°46	2°40	1°32	0°54	4° 3	T 17
W18	8 15 43	5° 1'52	28°39	20°12	19°50	24°59	17° 0	5° 6	9°34	16°48	26°47	2°27	1°28	1° 1	4° 8	W18
T 19	8 19 40	6° 2'42	10♓47	21°46	21° 5	25°46	16°52	5° 2	9°35	16°47	26°49	2°16	1°25	1° 8	4°13	T 19
F 20	8 23 36	7° 3'31	22°45	23°20	22°20	26°33	16°45	4°59	9°35	16°45	26°51	2° 5	1°22	1°14	4°18	F 20
S 21	8 27 33	8° 4'18	4♈37	24°55	23°35	27°20	16°37	4°55	9°36	16°44	26°53	1°58	1°19	1°21	4°22	S 21
S 22	8 31 30	9° 5'04	16°26	26°32	24°50	28° 7	16°29	4°51	9°36	16°42	26°54	1°52	1°16	1°28	4°27	S 22
M23	8 35 26	10° 5'48	28°17	28° 8	26° 5	28°54	16°21	4°48	9°37	16°40	26°56	1°50	1°13	1°35	4°31	M23
T 24	8 39 23	11° 6'31	10♉15	29°46	27°20	29°41	16°13	4°44	9°38	16°39	26°58	1°D49	1° 9	1°41	4°36	T 24
W25	8 43 19	12° 7'12	22°24	1♒25	28°35	0♒28	16° 5	4°41	9°38	16°37	26°59	1°49	1° 6	1°48	4°40	W25
T 26	8 47 16	13° 7'51	4♊51	3° 4	29°50	1°15	15°57	4°37	9°39	16°35	27° 1	1°R49	1° 3	1°55	4°44	T 26
F 27	8 51 12	14° 8'29	17°41	4°44	1♒ 5	2° 2	15°50	4°34	9°40	16°33	27° 3	1°48	1° 0	2° 1	4°48	F 27
S 28	8 55 9	15° 9'05	0♋57	6°25	2°20	2°49	15°42	4°31	9°41	16°32	27° 4	1°45	0°57	2° 8	4°52	S 28
S 29	8 59 5	16° 9'39	14°40	8° 7	3°35	3°36	15°34	4°28	9°42	16°30	27° 6	1°39	0°54	2°15	4°56	S 29
M30	9 3 2	17°10'11	28°52	9°50	4°50	4°23	15°26	4°25	9°43	16°28	27° 7	1°31	0°50	2°21	5° 0	M30
T 31	9 6 59	18♒10'42	13♌27	11♒33	6♒ 5	5♒11	15♌18	4♋22	9♉44	16♌27	27♐ 9	1♐20	0♐47	2♈28	5♐ 4	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s21	20n34	2s48	22s59	0n29	23s18	0n13	23s54	0s53	16n11	1n 2	22n55	0s28	14n23	0s22	16n 7	0n25	19s 5	4n24	21s 1	20s43	3n52	17s31	3n18
M 2	22 13	18 13	3 45	23 9	0 20	23 22	0 10	23 50	0 54	16 14	1 3	22 55	0 28	14 23	0 22	16 8	0 25	19 5	4 24	21 0	20 42	3 54	17 32	3 19
T 3	22 4	14 43	4 30	23 19	0 12	23 24	0 8	23 46	0 54	16 16	1 3	22 55	0 28	14 23	0 22	16 8	0 25	19 5	4 24	20 59	20 42	3 56	17 33	3 19
W 4	21 55	10 19	4 58	23 28	0 4	23 26	0 5	23 41	0 54	16 18	1 3	22 56	0 28	14 23	0 22	16 9	0 25	19 5	4 24	20 57	20 41	3 59	17 33	3 20
T 5	21 45	5 18	5 7	23 36	0s 4	23 26	0 3	23 37	0 55	16 20	1 3	22 56	0 28	14 23	0 22	16 9	0 25	19 5	4 24	20 56	20 41	4 1	17 34	3 20
F 6	21 35	0 0	4 57	23 42	0 12	23 27	0 0	23 32	0 55	16 22	1 3	22 56	0 28	14 23	0 22	16 9	0 25	19 5	4 24	20 55	20 40	4 3	17 35	3 20
S 7	21 25	5s16	4 27	23 48	0 19	23 26	0s 2	23 26	0 56	16 24	1 4	22 57	0 27	14 23	0 22	16 10	0 25	19 5	4 24	20 54	20 39	4 6	17 35	3 21
S 8	21 14	10 11	3 42	23 52	0 27	23 25	0 5	23 21	0 56	16 27	1 4	22 57	0 27	14 23	0 22	16 10	0 25	19 5	4 24	20 53	20 39	4 8	17 36	3 21
M 9	21 3	14 30	2 44	23 56	0 34	23 23	0 8	23 15	0 56	16 29	1 4	22 57	0 27	14 23	0 22	16 11	0 25	19 5	4 24	20 53	20 38	4 10	17 36	3 22
T 10	20 51	17 57	1 36	23 58	0 41	23 20	0 10	23 9	0 57	16 31	1 4	22 58	0 27	14 23	0 22	16 11	0 25	19 6	4 24	20 53	20 37	4 12	17 37	3 22
W11	20 39	20 20	0 25	23 59	0 48	23 17	0 13	23 3	0 57	16 34	1 4	22 58	0 27	14 23	0 22	16 12	0 25	19 6	4 24	20 54	20 37	4 15	17 38	3 23
T 12	20 27	21 33	0n47	23 58	0 54	23 12	0 15	22 56	0 57	16 36	1 5	22 58	0 27	14 23	0 22	16 12	0 25	19 6	4 24	20 54	20 36	4 17	17 38	3 23
F 13	20 14	21 32	1 55	23 57	1 1	23 8	0 17	22 49	0 58	16 38	1 5	22 59	0 27	14 23	0 22	16 13	0 25	19 6	4 24	20 53	20 35	4 19	17 39	3 24
S 14	20 1	20 21	2 56	23 54	1 7	23 2	0 20	22 42	0 58	16 41	1 5	22 59	0 27	14 23	0 22	16 13	0 25	19 6	4 24	20 52	20 35	4 22	17 39	3 24
S 15	19 48	18 7	3 47	23 49	1 13	22 56	0 22	22 35	0 58	16 43	1 5	22 59	0 26	14 23	0 22	16 14	0 25	19 6	4 24	20 51	20 34	4 24	17 40	3 25
M16	19 34	15 3	4 26	23 44	1 18	22 49	0 25	22 27	0 59	16 46	1 5	23 0	0 26	14 23	0 22	16 14	0 25	19 6	4 24	20 49	20 33	4 26	17 40	3 25
T 17	19 20	11 22	4 51	23 36	1 24	22 41	0 27	22 20	0 59	16 48	1 5	23 0	0 26	14 23	0 22	16 15	0 25	19 6	4 24	20 46	20 33	4 28	17 40	3 26
W18	19 5	7 16	5 2	23 28	1 29	22 33	0 29	22 11	0 59	16 51	1 5	23 0	0 26	14 24	0 22	16 15	0 25	19 6	4 24	20 44	20 32	4 31	17 41	3 26
T 19	18 50	2 56	5 0	23 18	1 33	22 24	0 32	22 3	1 0	16 53	1 6	23 0	0 26	14 24	0 22	16 16	0 25	19 6	4 24	20 42	20 32	4 33	17 41	3 27
F 20	18 35	1n27	4 44	23 7	1 38	22 14	0 34	21 54	1 0	16 55	1 6	23 1	0 26	14 24	0 22	16 16	0 25	19 6	4 24	20 40	20 31	4 35	17 42	3 27
S 21	18 19	5 45	4 16	22 54	1 42	22 4	0 36	21 46	1 0	16 58	1 6	23 1	0 26	14 24	0 22	16 17	0 25	19 6	4 24	20 38	20 30	4 38	17 42	3 28
S 22	18 3	9 49	3 37	22 40	1 46	21 52	0 38	21 37	1 1	17 0	1 6	23 1	0 25	14 24	0 22	16 17	0 25	19 6	4 24	20 37	20 30	4 40	17 42	3 28
M23	17 47	13 31	2 48	22 24	1 49	21 41	0 41	21 27	1 1	17 3	1 6	23 1	0 25	14 24	0 22	16 18	0 25	19 6	4 24	20 36	20 29	4 42	17 43	3 29
T 24	17 30	16 43	1 52	22 7	1 53	21 28	0 43	21 18	1 1	17 5	1 6	23 2	0 25	14 25	0 22	16 19	0 25	19 6	4 24	20 36	20 28	4 44	17 43	3 29
W25	17 14	19 15	0 50	21 48	1 55	21 15	0 45	21 8	1 2	17 8	1 6	23 2	0 25	14 25	0 22	16 19	0 25	19 6	4 24	20 36	20 28	4 47	17 43	3 30
T 26	16 56	20 55	0s16	21 28	1 58	21 2	0 47	20 58	1 2	17 10	1 7	23 2	0 25	14 25	0 22	16 20	0 25	19 6	4 24	20 36	20 27	4 49	17 43	3 30
F 27	16 39	21 35	1 23	21 6	2 0	20 47	0 49	20 47	1 2	17 13	1 7	23 2	0 25	14 26	0 22	16 20	0 25	19 6	4 24	20 36	20 26	4 51	17 44	3 31
S 28	16 21	21 4	2 28	20 42	2 2	20 32	0 51	20 37	1 2	17 15	1 7	23 3	0 25	14 26	0 21	16 21	0 25	19 7	4 24	20 36	20 26	4 53	17 44	3 31
S 29	16 3	19 18	3 26	20 18	2 3	20 17	0 53	20 26	1 3	17 18	1 7	23 3	0 24	14 26	0 21	16 21	0 25	19 7	4 24	20 34	20 25	4 56	17 44	3 32
M30	15 45	16 19	4 14	19 51	2 4	20 1	0 55	20 15	1 3	17 20	1 7	23 3	0 24	14 27	0 21	16 22	0 25	19 7	4 24	20 33	20 24	4 58	17 44	3 32
T 31	15s26	12n16	4s46	19s23	2s 5	19s44	0s57	20s 4	1s 3	17n23	1n 7	23n 3	0s24	14n27	0s21	16n22	0n25	19s 7	4n24	20s31	20s24	5n 0	17s44	3n33

Julian Day Number = 2184194.5, Delta T = 11m15s
Ecliptic obliquity = 23°31'59, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'55, Lahiri = 13°38'56 Julian Calendar 1 Jan. 1268 == Greg. Calendar 8 Jan. 1268

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ASTRODIENST EPHEMERIS for the year 1268
geocentric

FEBRUARY 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 10 55	19♒11'11	28♌19	13♒18	7♒20	5♒58	15°R10	4°R19	9♉45	16°R25	27♐10	1°R 9	0♐44	2♈35	5♐ 8	W 1
T 2	9 14 52	20°11'38	13♍19	15° 4	8°35	6°45	15♌ 2	4♋16	9°46	16♌23	27°12	0♐57	0°41	2°42	5°11	T 2
F 3	9 18 48	21°12'04	28°17	16°50	9°50	7°32	14°54	4°14	9°47	16°22	27°13	0°48	0°38	2°48	5°15	F 3
S 4	9 22 45	22°12'28	13♎ 4	18°37	11° 5	8°19	14°46	4°11	9°49	16°20	27°15	0°41	0°34	2°55	5°18	S 4
S 5	9 26 41	23°12'51	27°35	20°26	12°20	9° 6	14°39	4° 9	9°50	16°18	27°16	0°36	0°31	3° 2	5°22	S 5
M 6	9 30 38	24°13'13	11♏45	22°15	13°35	9°53	14°31	4° 7	9°51	16°17	27°17	0°35	0°28	3° 8	5°25	M 6
T 7	9 34 34	25°13'33	25°35	24° 5	14°50	10°41	14°23	4° 5	9°53	16°15	27°19	0°34	0°25	3°15	5°28	T 7
W 8	9 38 31	26°13'52	9♐ 5	25°56	16° 5	11°28	14°16	4° 2	9°54	16°13	27°20	0°34	0°22	3°22	5°31	W 8
T 9	9 42 28	27°14'10	22°17	27°48	17°20	12°15	14° 8	4° 0	9°56	16°12	27°21	0°33	0°19	3°28	5°34	T 9
F 10	9 46 24	28°14'25	5♑13	29°41	18°35	13° 2	14° 0	3°59	9°57	16°10	27°23	0°30	0°15	3°35	5°37	F 10
S 11	9 50 21	29°14'40	17°57	1♓35	19°50	13°49	13°53	3°57	9°59	16° 8	27°24	0°23	0°12	3°42	5°40	S 11
S 12	9 54 17	0♓14'52	0♒30	3°29	21° 4	14°37	13°46	3°55	10° 0	16° 7	27°25	0°14	0° 9	3°49	5°43	S 12
M13	9 58 14	1°15'03	12°54	5°24	22°19	15°24	13°38	3°54	10° 2	16° 5	27°26	0° 2	0° 6	3°55	5°45	M13
T 14	10 2 10	2°15'12	25° 9	7°20	23°34	16°11	13°31	3°52	10° 4	16° 4	27°27	29♏48	0° 3	4° 2	5°48	T 14
W15	10 6 7	3°15'19	7♓16	9°16	24°49	16°58	13°24	3°51	10° 6	16° 2	27°29	29°33	29♏59	4° 9	5°50	W15
T 16	10 10 3	4°15'24	19°16	11°12	26° 4	17°45	13°17	3°49	10° 7	16° 0	27°30	29°19	29°56	4°15	5°52	T 16
F 17	10 14 0	5°15'28	1♈10	13° 8	27°19	18°33	13°10	3°48	10° 9	15°59	27°31	29° 6	29°53	4°22	5°55	F 17
S 18	10 17 56	6°15'29	13° 0	15° 4	28°33	19°20	13° 3	3°47	10°11	15°57	27°32	28°56	29°50	4°29	5°57	S 18
S 19	10 21 53	7°15'28	24°48	17° 0	29°48	20° 7	12°57	3°46	10°13	15°56	27°33	28°49	29°47	4°35	5°59	S 19
M20	10 25 50	8°15'25	6♉38	18°55	1♓ 3	20°54	12°50	3°46	10°15	15°54	27°34	28°44	29°44	4°42	6° 1	M20
T 21	10 29 46	9°15'20	18°35	20°49	2°18	21°41	12°43	3°45	10°17	15°53	27°35	28°43	29°40	4°49	6° 2	T 21
W22	10 33 43	10°15'12	0♊42	22°42	3°33	22°28	12°37	3°44	10°19	15°51	27°36	28°D42	29°37	4°56	6° 4	W22
T 23	10 37 39	11°15'03	13° 5	24°32	4°47	23°16	12°31	3°44	10°21	15°50	27°37	28°R42	29°34	5° 2	6° 6	T 23
F 24	10 41 36	12°14'51	25°49	26°21	6° 2	24° 3	12°25	3°44	10°23	15°48	27°38	28°42	29°31	5° 9	6° 7	F 24
S 25	10 45 32	13°14'37	9♋ 0	28° 7	7°17	24°50	12°19	3°43	10°26	15°47	27°38	28°39	29°28	5°16	6° 9	S 25
S 26	10 49 29	14°14'20	22°40	29°50	8°31	25°37	12°13	3°43	10°28	15°45	27°39	28°34	29°25	5°22	6°10	S 26
M27	10 53 25	15°14'01	6♌50	1♈29	9°46	26°24	12° 7	3°D43	10°30	15°44	27°40	28°27	29°21	5°29	6°11	M27
T 28	10 57 22	16°13'40	21°28	3° 4	11° 1	27°11	12° 2	3°43	10°33	15°43	27°41	28°17	29°18	5°36	6°12	T 28
W29	11 1 19	17♓13'17	6♍29	4♈34	12♓15	27♒58	11♌57	3♋44	10♉35	15♌41	27♐41	28♏ 7	29♏15	5♈42	6♐13	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s 8	7n24	5s 0	18s53	2s 5	19s27	0s58	19s53	1s 3	17n25	1n 7	23n 4	0s24	14n27	0s21	16n23	0n25	19s 7	4n24	20s28	20s23	5n 2	17s44	3n33
T 2	14 49	2 4	4 54	18 22	2 5	19 9	1 0	19 41	1 4	17 28	1 7	23 4	0 24	14 28	0 21	16 23	0 25	19 7	4 24	20 26	20 22	5 5	17 45	3 34
F 3	14 29	3s24	4 27	17 49	2 4	18 51	1 2	19 29	1 4	17 30	1 7	23 4	0 24	14 28	0 21	16 24	0 25	19 7	4 24	20 24	20 22	5 7	17 45	3 34
S 4	14 10	8 36	3 43	17 15	2 3	18 32	1 3	19 17	1 4	17 32	1 7	23 4	0 24	14 29	0 21	16 24	0 25	19 7	4 24	20 22	20 21	5 9	17 45	3 35
S 5	13 50	13 13	2 45	16 39	2 1	18 12	1 5	19 5	1 4	17 35	1 7	23 5	0 23	14 29	0 21	16 25	0 25	19 7	4 24	20 21	20 20	5 11	17 45	3 35
M 6	13 30	16 58	1 38	16 1	1 59	17 52	1 7	18 52	1 4	17 37	1 8	23 5	0 23	14 29	0 21	16 25	0 25	19 7	4 24	20 21	20 20	5 14	17 45	3 36
T 7	13 10	19 39	0 26	15 22	1 56	17 32	1 8	18 40	1 5	17 39	1 8	23 5	0 23	14 30	0 21	16 26	0 25	19 7	4 24	20 21	20 19	5 16	17 45	3 37
W 8	12 49	21 10	0n45	14 42	1 53	17 11	1 9	18 27	1 5	17 42	1 8	23 5	0 23	14 30	0 21	16 26	0 25	19 7	4 24	20 21	20 18	5 18	17 45	3 37
T 9	12 29	21 27	1 52	14 0	1 50	16 50	1 11	18 14	1 5	17 44	1 8	23 5	0 23	14 31	0 21	16 27	0 25	19 7	4 24	20 21	20 18	5 20	17 45	3 38
F 10	12 8	20 34	2 52	13 16	1 45	16 28	1 12	18 1	1 5	17 46	1 8	23 6	0 23	14 31	0 21	16 27	0 25	19 7	4 24	20 20	20 17	5 23	17 45	3 38
S 11	11 47	18 39	3 42	12 31	1 40	16 5	1 13	17 47	1 5	17 48	1 8	23 6	0 23	14 32	0 21	16 28	0 25	19 7	4 24	20 19	20 16	5 25	17 45	3 39
S 12	11 26	15 52	4 21	11 44	1 35	15 42	1 15	17 34	1 6	17 51	1 8	23 6	0 23	14 32	0 21	16 28	0 25	19 7	4 24	20 17	20 16	5 27	17 45	3 39
M13	11 4	12 26	4 46	10 57	1 29	15 19	1 16	17 20	1 6	17 53	1 8	23 6	0 22	14 33	0 21	16 29	0 25	19 7	4 24	20 14	20 15	5 29	17 44	3 40
T 14	10 43	8 30	4 58	10 8	1 22	14 56	1 17	17 6	1 6	17 55	1 8	23 6	0 22	14 34	0 21	16 29	0 25	19 7	4 24	20 11	20 14	5 31	17 44	3 40
W15	10 21	4 17	4 57	9 17	1 15	14 31	1 18	16 52	1 6	17 57	1 8	23 7	0 22	14 34	0 21	16 30	0 25	19 7	4 24	20 8	20 14	5 34	17 44	3 41
T 16	9 59	0n 3	4 42	8 26	1 7	14 7	1 19	16 37	1 6	17 59	1 8	23 7	0 22	14 35	0 21	16 30	0 25	19 7	4 24	20 5	20 13	5 36	17 44	3 42
F 17	9 37	4 21	4 15	7 33	0 59	13 42	1 20	16 23	1 6	18 1	1 8	23 7	0 22	14 35	0 21	16 31	0 25	19 7	4 24	20 2	20 12	5 38	17 44	3 42
S 18	9 15	8 28	3 37	6 40	0 50	13 17	1 21	16 8	1 6	18 3	1 8	23 7	0 22	14 36	0 21	16 31	0 25	19 7	4 24	20 0	20 12	5 40	17 44	3 43
S 19	8 53	12 16	2 49	5 46	0 40	12 51	1 21	15 53	1 7	18 5	1 8	23 7	0 22	14 37	0 21	16 32	0 25	19 7	4 24	19 58	20 11	5 43	17 43	3 43
M20	8 30	15 35	1 54	4 52	0 30	12 25	1 22	15 38	1 7	18 7	1 8	23 7	0 21	14 37	0 21	16 32	0 25	19 7	4 24	19 57	20 10	5 45	17 43	3 44
T 21	8 8	18 17	0 53	3 57	0 19	11 59	1 23	15 23	1 7	18 8	1 8	23 8	0 21	14 38	0 21	16 33	0 25	19 7	4 24	19 57	20 10	5 47	17 43	3 45
W22	7 45	20 12	0s11	3 2	0 8	11 33	1 23	15 8	1 7	18 10	1 8	23 8	0 21	14 39	0 21	16 33	0 25	19 7	4 24	19 57	20 9	5 49	17 43	3 45
T 23	7 22	21 13	1 16	2 7	0n 4	11 6	1 24	14 52	1 7	18 12	1 8	23 8	0 21	14 39	0 21	16 33	0 25	19 7	4 24	19 57	20 8	5 51	17 42	3 46
F 24	7 0	21 10	2 19	1 13	0 16	10 39	1 25	14 37	1 7	18 14	1 8	23 8	0 21	14 40	0 21	16 34	0 25	19 7	4 24	19 57	20 8	5 54	17 42	3 46
S 25	6 37	19 58	3 16	0 19	0 28	10 11	1 25	14 21	1 7	18 15	1 8	23 8	0 21	14 41	0 21	16 34	0 25	19 7	4 24	19 56	20 7	5 56	17 42	3 47
S 26	6 14	17 35	4 5	0n33	0 41	9 43	1 25	14 5	1 7	18 17	1 8	23 8	0 21	14 41	0 21	16 35	0 25	19 7	4 24	19 55	20 6	5 58	17 41	3 47
M27	5 50	14 6	4 41	1 25	0 54	9 15	1 26	13 49	1 7	18 19	1 8	23 8	0 20	14 42	0 21	16 35	0 25	19 7	4 24	19 54	20 5	6 0	17 41	3 48
T 28	5 27	9 40	5 0	2 15	1 7	8 47	1 26	13 33	1 7	18 20	1 8	23 9	0 20	14 43	0 21	16 36	0 25	19 6	4 24	19 51	20 5	6 2	17 40	3 49
W29	5s 4	4n32	4s59	3n 3	1n20	8s19	1s26	13s17	1s 7	18n22	1n 8	23n 9	0s20	14n44	0s21	16n36	0n25	19s 6	4n24	19s49	20s 4	6n 5	17s40	3n49

Julian Day Number = 2184225.5, Delta T = 11m15s
Ecliptic obliquity = 23°31'59, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°31'59, Lahiri = 13°39'00 Julian Calendar 1 Feb. 1268 == Greg. Calendar 8 Feb. 1268

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ASTRODIENST EPHEMERIS for the year 1268
geocentric

MARCH 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 5 15	18♓12'52	21♍43	6♈ 0	13♓30	28♒46	11°R51	3♋44	10♉37	15°R40	27♐42	27°R57	29♏12	5♈49	6♐14	T 1
F 2	11 9 12	19°12'24	6♎59	7°19	14°45	29°33	11♌46	3°44	10°40	15♌38	27°43	27♏48	29° 9	5°56	6°15	F 2
S 3	11 13 8	20°11'55	22° 7	8°33	15°59	0♓20	11°41	3°45	10°42	15°37	27°43	27°41	29° 5	6° 3	6°16	S 3
S 4	11 17 5	21°11'23	6♏57	9°41	17°14	1° 7	11°37	3°45	10°45	15°36	27°44	27°37	29° 2	6° 9	6°16	S 4
M 5	11 21 1	22°10'50	21°23	10°42	18°28	1°54	11°32	3°46	10°47	15°34	27°45	27°D35	28°59	6°16	6°17	M 5
T 6	11 24 58	23°10'16	5♐24	11°36	19°43	2°41	11°28	3°47	10°50	15°33	27°45	27°35	28°56	6°23	6°17	T 6
W 7	11 28 54	24° 9'39	18°59	12°24	20°58	3°28	11°23	3°48	10°52	15°32	27°46	27°R36	28°53	6°29	6°17	W 7
T 8	11 32 51	25° 9'01	2♑11	13° 3	22°12	4°15	11°19	3°49	10°55	15°31	27°46	27°36	28°50	6°36	6°18	T 8
F 9	11 36 48	26° 8'21	15° 3	13°36	23°27	5° 2	11°15	3°50	10°58	15°30	27°47	27°34	28°46	6°43	6°18	F 9
S 10	11 40 44	27° 7'39	27°38	14° 1	24°41	5°49	11°12	3°52	11° 0	15°28	27°47	27°30	28°43	6°49	6°R18	S 10
S 11	11 44 41	28° 6'55	9♒59	14°18	25°56	6°36	11° 8	3°53	11° 3	15°27	27°47	27°23	28°40	6°56	6°18	S 11
M12	11 48 37	29° 6'09	22°11	14°28	27°10	7°23	11° 5	3°55	11° 6	15°26	27°48	27°14	28°37	7° 3	6°17	M12
T 13	11 52 34	0♈ 5'21	4♓14	14°R31	28°25	8°10	11° 1	3°56	11° 9	15°25	27°48	27° 4	28°34	7° 9	6°17	T 13
W14	11 56 30	1° 4'32	16°12	14°26	29°39	8°57	10°58	3°58	11°11	15°24	27°48	26°53	28°31	7°16	6°17	W14
T 15	12 0 27	2° 3'40	28° 5	14°15	0♈54	9°43	10°55	4° 0	11°14	15°23	27°49	26°42	28°27	7°23	6°16	T 15
F 16	12 4 23	3° 2'46	9♈56	13°57	2° 8	10°30	10°53	4° 2	11°17	15°22	27°49	26°32	28°24	7°30	6°16	F 16
S 17	12 8 20	4° 1'50	21°45	13°33	3°22	11°17	10°50	4° 4	11°20	15°21	27°49	26°25	28°21	7°36	6°15	S 17
S 18	12 12 17	5° 0'52	3♉35	13° 4	4°37	12° 4	10°48	4° 6	11°23	15°20	27°49	26°20	28°18	7°43	6°14	S 18
M19	12 16 13	5°59'52	15°29	12°30	5°51	12°51	10°46	4° 8	11°26	15°19	27°49	26°17	28°15	7°50	6°13	M19
T 20	12 20 10	6°58'50	27°28	11°52	7° 6	13°37	10°44	4°11	11°29	15°18	27°49	26°D16	28°11	7°56	6°12	T 20
W21	12 24 6	7°57'45	9♊38	11°11	8°20	14°24	10°42	4°13	11°32	15°17	27°49	26°17	28° 8	8° 3	6°11	W21
T 22	12 28 3	8°56'38	22° 2	10°27	9°34	15°11	10°41	4°16	11°35	15°16	27°49	26°18	28° 5	8°10	6°10	T 22
F 23	12 31 59	9°55'29	4♋45	9°42	10°48	15°58	10°39	4°19	11°38	15°15	27°R49	26°R19	28° 2	8°16	6° 9	F 23
S 24	12 35 56	10°54'18	17°50	8°57	12° 3	16°44	10°38	4°21	11°41	15°15	27°49	26°19	27°59	8°23	6° 7	S 24
S 25	12 39 52	11°53'04	1♌23	8°11	13°17	17°31	10°37	4°24	11°44	15°14	27°49	26°17	27°56	8°30	6° 6	S 25
M26	12 43 49	12°51'48	15°23	7°27	14°31	18°17	10°36	4°27	11°48	15°13	27°49	26°14	27°52	8°36	6° 4	M26
T 27	12 47 45	13°50'29	29°52	6°44	15°46	19° 4	10°36	4°30	11°51	15°12	27°49	26° 9	27°49	8°43	6° 3	T 27
W28	12 51 42	14°49'08	14♍44	6° 4	17° 0	19°50	10°35	4°34	11°54	15°12	27°49	26° 3	27°46	8°50	6° 1	W28
T 29	12 55 39	15°47'46	29°53	5°27	18°14	20°37	10°35	4°37	11°57	15°11	27°49	25°57	27°43	8°57	5°59	T 29
F 30	12 59 35	16°46'21	15♎10	4°54	19°28	21°23	10°D35	4°40	12° 0	15°10	27°49	25°51	27°40	9° 3	5°57	F 30
S 31	13 3 32	17♈44'54	0♏24	4♈25	20♈42	22♓10	10♌35	4♋44	12♉ 4	15♌10	27♐48	25♏48	27♏36	9♈10	5♐55	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s41	0s56	4s37	3n49	1n33	7s50	1s26	13s 0	1s 7	18n23	1n 8	23n 9	0s20	14n44	0s21	16n36	0n25	19s 6	4n24	19s47	20s 3	6n 7	17s40	3n50
F 2	4 17	6 23	3 55	4 32	1 46	7 21	1 26	12 44	1 7	18 24	1 8	23 9	0 20	14 45	0 21	16 37	0 25	19 6	4 24	19 45	20 3	6 9	17 39	3 50
S 3	3 54	11 22	2 57	5 13	1 58	6 52	1 26	12 27	1 8	18 26	1 7	23 9	0 20	14 46	0 21	16 37	0 25	19 6	4 24	19 43	20 2	6 11	17 39	3 51
S 4	3 30	15 35	1 48	5 51	2 10	6 23	1 26	12 10	1 8	18 27	1 7	23 9	0 20	14 47	0 21	16 38	0 25	19 6	4 24	19 42	20 1	6 13	17 38	3 52
M 5	3 7	18 43	0 33	6 25	2 21	5 53	1 26	11 53	1 8	18 28	1 7	23 9	0 19	14 48	0 21	16 38	0 25	19 6	4 25	19 42	20 1	6 15	17 38	3 52
T 6	2 43	20 36	0n42	6 57	2 32	5 24	1 26	11 37	1 8	18 29	1 7	23 9	0 19	14 48	0 21	16 38	0 25	19 6	4 25	19 42	20 0	6 18	17 37	3 53
W 7	2 20	21 13	1 52	7 24	2 42	4 54	1 25	11 19	1 8	18 30	1 7	23 10	0 19	14 49	0 21	16 39	0 25	19 6	4 25	19 42	19 59	6 20	17 37	3 53
T 8	1 56	20 37	2 54	7 48	2 52	4 24	1 25	11 2	1 8	18 32	1 7	23 10	0 19	14 50	0 21	16 39	0 25	19 6	4 25	19 42	19 59	6 22	17 36	3 54
F 9	1 32	18 57	3 45	8 9	3 0	3 54	1 25	10 45	1 7	18 33	1 7	23 10	0 19	14 51	0 20	16 40	0 25	19 6	4 25	19 42	19 58	6 24	17 36	3 55
S 10	1 9	16 24	4 24	8 25	3 7	3 24	1 24	10 28	1 7	18 34	1 7	23 10	0 19	14 52	0 20	16 40	0 25	19 6	4 25	19 41	19 57	6 26	17 35	3 55
S 11	0 45	13 9	4 51	8 37	3 13	2 54	1 24	10 10	1 7	18 34	1 7	23 10	0 19	14 53	0 20	16 40	0 25	19 6	4 25	19 39	19 56	6 28	17 34	3 56
M12	0 21	9 23	5 3	8 46	3 18	2 24	1 23	9 53	1 7	18 35	1 7	23 10	0 19	14 54	0 20	16 41	0 25	19 6	4 25	19 37	19 56	6 31	17 34	3 56
T 13	0n 2	5 18	5 2	8 50	3 21	1 54	1 22	9 35	1 7	18 36	1 7	23 10	0 18	14 54	0 20	16 41	0 25	19 6	4 25	19 35	19 55	6 33	17 33	3 57
W14	0 26	1 3	4 48	8 50	3 23	1 23	1 22	9 17	1 7	18 37	1 7	23 10	0 18	14 55	0 20	16 41	0 25	19 6	4 25	19 32	19 54	6 35	17 33	3 57
T 15	0 49	3n13	4 21	8 45	3 23	0 53	1 21	8 59	1 7	18 38	1 7	23 10	0 18	14 56	0 20	16 42	0 25	19 6	4 25	19 30	19 54	6 37	17 32	3 58
F 16	1 13	7 21	3 42	8 37	3 22	0 22	1 20	8 42	1 7	18 38	1 7	23 10	0 18	14 57	0 20	16 42	0 25	19 6	4 25	19 27	19 53	6 39	17 31	3 59
S 17	1 37	11 12	2 55	8 25	3 19	0n 8	1 19	8 24	1 7	18 39	1 6	23 10	0 18	14 58	0 20	16 42	0 25	19 6	4 25	19 26	19 52	6 41	17 30	3 59
S 18	2 0	14 38	1 59	8 10	3 14	0 39	1 18	8 6	1 7	18 39	1 6	23 10	0 18	14 59	0 20	16 42	0 25	19 6	4 25	19 24	19 52	6 43	17 30	4 0
M19	2 23	17 28	0 58	7 51	3 8	1 9	1 17	7 48	1 7	18 40	1 6	23 11	0 18	15 0	0 20	16 43	0 25	19 6	4 25	19 24	19 51	6 46	17 29	4 0
T 20	2 47	19 34	0s 6	7 28	3 0	1 40	1 16	7 29	1 7	18 40	1 6	23 11	0 17	15 1	0 20	16 43	0 25	19 6	4 25	19 24	19 50	6 48	17 28	4 1
W21	3 10	20 48	1 12	7 4	2 51	2 10	1 15	7 11	1 7	18 41	1 6	23 11	0 17	15 2	0 20	16 43	0 25	19 6	4 25	19 24	19 49	6 50	17 28	4 1
T 22	3 34	21 3	2 15	6 36	2 40	2 41	1 14	6 53	1 7	18 41	1 6	23 11	0 17	15 3	0 20	16 43	0 25	19 6	4 25	19 24	19 49	6 52	17 27	4 2
F 23	3 57	20 14	3 13	6 8	2 28	3 11	1 12	6 35	1 6	18 41	1 6	23 11	0 17	15 4	0 20	16 44	0 25	19 6	4 25	19 24	19 48	6 54	17 26	4 3
S 24	4 20	18 20	4 3	5 37	2 15	3 41	1 11	6 16	1 6	18 42	1 6	23 11	0 17	15 5	0 20	16 44	0 25	19 6	4 25	19 24	19 47	6 56	17 25	4 3
S 25	4 43	15 22	4 41	5 6	2 1	4 12	1 10	5 58	1 6	18 42	1 6	23 11	0 17	15 6	0 20	16 44	0 25	19 6	4 25	19 24	19 47	6 58	17 24	4 4
M26	5 6	11 26	5 4	4 35	1 45	4 42	1 8	5 40	1 6	18 42	1 6	23 11	0 17	15 7	0 20	16 44	0 25	19 6	4 25	19 23	19 46	7 1	17 24	4 4
T 27	5 29	6 45	5 9	4 3	1 30	5 12	1 7	5 21	1 6	18 42	1 5	23 11	0 17	15 8	0 20	16 45	0 25	19 6	4 25	19 22	19 45	7 3	17 23	4 5
W28	5 52	1 31	4 53	3 32	1 13	5 42	1 5	5 3	1 6	18 42	1 5	23 11	0 16	15 9	0 20	16 45	0 25	19 5	4 25	19 20	19 44	7 5	17 22	4 5
T 29	6 14	3s53	4 17	3 3	0 57	6 12	1 4	4 44	1 6	18 42	1 5	23 11	0 16	15 10	0 20	16 45	0 25	19 5	4 25	19 19	19 44	7 7	17 21	4 6
F 30	6 37	9 7	3 23	2 34	0 40	6 41	1 2	4 26	1 5	18 42	1 5	23 11	0 16	15 11	0 20	16 45	0 25	19 5	4 26	19 18	19 43	7 9	17 20	4 6
S 31	6n59	13s44	2s14	2n 7	0n24	7n11	1s 1	4s 7	1s 5	18n42	1n 5	23n11	0s16	15n12	0s20	16n45	0n25	19s 5	4n26	19s17	19s42	7n11	17s19	4n 7

Julian Day Number = 2184254.5, Delta T = 11m15s
Ecliptic obliquity = 23°31'59, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'03, Lahiri = 13°39'04 Julian Calendar 1 March 1268 == Greg. Calendar 8 March 1268

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ASTRODIENST EPHEMERIS for the year 1268
geocentric

APRIL 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 7 28	18♈43'25	15♏24	4°R 0	21♈56	22♓56	10♌35	4♋47	12♉ 7	15°R 9	27°R48	25°R46	27♏33	9♈17	5°R53	S 1
M 2	13 11 25	19°41'54	0♐ 3	3♈40	23°11	23°43	10°36	4°51	12°10	15♌ 9	27♐48	25°D45	27°30	9°23	5♐51	M 2
T 3	13 15 21	20°40'22	14°16	3°25	24°25	24°29	10°37	4°55	12°13	15° 8	27°47	25♏46	27°27	9°30	5°49	T 3
W 4	13 19 18	21°38'48	28° 2	3°16	25°39	25°15	10°37	4°59	12°17	15° 8	27°47	25°48	27°24	9°37	5°46	W 4
T 5	13 23 14	22°37'13	11♑22	3°D11	26°53	26° 1	10°38	5° 2	12°20	15° 7	27°47	25°49	27°21	9°43	5°44	T 5
F 6	13 27 11	23°35'36	24°17	3°11	28° 7	26°48	10°40	5° 6	12°23	15° 7	27°46	25°R50	27°17	9°50	5°42	F 6
S 7	13 31 8	24°33'57	6♒52	3°16	29°21	27°34	10°41	5°11	12°27	15° 6	27°46	25°49	27°14	9°57	5°39	S 7
S 8	13 35 4	25°32'17	19°11	3°26	0♉35	28°20	10°43	5°15	12°30	15° 6	27°45	25°47	27°11	10° 3	5°36	S 8
M 9	13 39 1	26°30'35	1♓17	3°41	1°49	29° 6	10°45	5°19	12°33	15° 6	27°45	25°43	27° 8	10°10	5°34	M 9
T 10	13 42 57	27°28'52	13°15	4° 0	3° 3	29°52	10°46	5°23	12°37	15° 6	27°44	25°39	27° 5	10°17	5°31	T 10
W11	13 46 54	28°27'06	25° 7	4°24	4°17	0♈38	10°49	5°28	12°40	15° 5	27°44	25°34	27° 2	10°23	5°28	W11
T 12	13 50 50	29°25'19	6♈57	4°52	5°31	1°24	10°51	5°32	12°44	15° 5	27°43	25°30	26°58	10°30	5°25	T 12
F 13	13 54 47	0♉23'31	18°47	5°25	6°45	2°10	10°53	5°37	12°47	15° 5	27°42	25°26	26°55	10°37	5°22	F 13
S 14	13 58 43	1°21'41	0♉38	6° 1	7°59	2°56	10°56	5°42	12°50	15° 5	27°42	25°23	26°52	10°44	5°19	S 14
S 15	14 2 40	2°19'49	12°33	6°41	9°13	3°42	10°59	5°47	12°54	15° 5	27°41	25°21	26°49	10°50	5°16	S 15
M16	14 6 37	3°17'55	24°35	7°25	10°27	4°28	11° 2	5°51	12°57	15° 5	27°40	25°D20	26°46	10°57	5°13	M16
T 17	14 10 33	4°16'00	6♊44	8°12	11°41	5°14	11° 5	5°56	13° 1	15° 4	27°40	25°20	26°42	11° 4	5° 9	T 17
W18	14 14 30	5°14'03	19° 3	9° 3	12°55	5°59	11° 9	6° 1	13° 4	15°D 4	27°39	25°22	26°39	11°10	5° 6	W18
T 19	14 18 26	6°12'04	1♋36	9°57	14° 8	6°45	11°12	6° 7	13° 8	15° 4	27°38	25°23	26°36	11°17	5° 3	T 19
F 20	14 22 23	7°10'03	14°25	10°55	15°22	7°31	11°16	6°12	13°11	15° 4	27°37	25°24	26°33	11°24	4°59	F 20
S 21	14 26 19	8° 8'00	27°32	11°55	16°36	8°16	11°20	6°17	13°15	15° 5	27°36	25°25	26°30	11°30	4°56	S 21
S 22	14 30 16	9° 5'56	11♌ 1	12°58	17°50	9° 2	11°24	6°22	13°18	15° 5	27°36	25°R26	26°27	11°37	4°52	S 22
M23	14 34 12	10° 3'49	24°53	14° 4	19° 4	9°47	11°28	6°28	13°22	15° 5	27°35	25°25	26°23	11°44	4°48	M23
T 24	14 38 9	11° 1'41	9♍ 8	15°13	20°18	10°33	11°32	6°33	13°25	15° 5	27°34	25°24	26°20	11°50	4°45	T 24
W25	14 42 6	11°59'30	23°43	16°25	21°31	11°18	11°37	6°39	13°29	15° 5	27°33	25°23	26°17	11°57	4°41	W25
T 26	14 46 2	12°57'18	8♎34	17°39	22°45	12° 4	11°41	6°44	13°32	15° 5	27°32	25°21	26°14	12° 4	4°37	T 26
F 27	14 49 59	13°55'05	23°35	18°55	23°59	12°49	11°46	6°50	13°36	15° 6	27°31	25°20	26°11	12°10	4°34	F 27
S 28	14 53 55	14°52'49	8♏38	20°14	25°12	13°34	11°51	6°56	13°39	15° 6	27°30	25°19	26° 8	12°17	4°30	S 28
S 29	14 57 52	15°50'33	23°32	21°36	26°26	14°20	11°56	7° 1	13°42	15° 6	27°29	25°D19	26° 4	12°24	4°26	S 29
M30	15 1 48	16♉48'15	8♐11	23♈ 0	27♉40	15♈ 5	12♌ 2	7♋ 7	13♉46	15♌ 7	27♐28	25♏19	26♏ 1	12♈30	4♐22	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	7n22	17s25	0s56	1n43	0n 8	7n40	0s59	3s49	1s 5	18n41	1n 5	23n11	0s16	15n13	0s20	16n46	0n25	19s 5	4n26	19s16	19s41	7n13	17s19	4n 8	S 1
M 2	7 44	19 52	0n23	1 20	0s 9	8 9	0 57	3 30	1 5	18 41	1 5	23 11	0 16	15 14	0 20	16 46	0 25	19 5	4 26	19 16	19 41	7 15	17 18	4 8	M 2
T 3	8 6	20 57	1 39	1 0	0 24	8 38	0 55	3 11	1 5	18 41	1 5	23 11	0 16	15 15	0 20	16 46	0 25	19 5	4 26	19 17	19 40	7 17	17 17	4 9	T 3
W 4	8 28	20 44	2 47	0 42	0 39	9 7	0 54	2 53	1 4	18 41	1 5	23 11	0 16	15 16	0 20	16 46	0 25	19 5	4 26	19 17	19 39	7 20	17 16	4 9	W 4
T 5	8 50	19 20	3 44	0 27	0 54	9 36	0 52	2 34	1 4	18 40	1 4	23 11	0 15	15 17	0 20	16 46	0 25	19 5	4 26	19 17	19 39	7 22	17 15	4 10	T 5
F 6	9 12	16 58	4 27	0 14	1 7	10 4	0 50	2 15	1 4	18 40	1 4	23 11	0 15	15 18	0 20	16 46	0 25	19 5	4 26	19 17	19 38	7 24	17 14	4 10	F 6
S 7	9 33	13 51	4 56	0 4	1 21	10 32	0 48	1 57	1 4	18 39	1 4	23 11	0 15	15 19	0 20	16 46	0 25	19 5	4 26	19 17	19 37	7 26	17 13	4 11	S 7
S 8	9 55	10 12	5 11	0s 3	1 33	11 0	0 46	1 38	1 3	18 39	1 4	23 11	0 15	15 20	0 20	16 46	0 25	19 5	4 26	19 17	19 36	7 28	17 12	4 11	S 8
M 9	10 16	6 12	5 11	0 8	1 45	11 28	0 44	1 19	1 3	18 38	1 4	23 11	0 15	15 21	0 20	16 47	0 25	19 5	4 26	19 16	19 36	7 30	17 11	4 12	M 9
T 10	10 37	2 1	4 58	0 10	1 55	11 55	0 42	1 1	1 3	18 37	1 4	23 11	0 15	15 22	0 20	16 47	0 25	19 5	4 26	19 15	19 35	7 32	17 10	4 12	T 10
W11	10 58	2n13	4 33	0 10	2 5	12 22	0 40	0 42	1 3	18 37	1 4	23 10	0 15	15 23	0 20	16 47	0 25	19 5	4 26	19 14	19 34	7 34	17 9	4 13	W11
T 12	11 19	6 22	3 55	0 7	2 15	12 49	0 38	0 24	1 2	18 36	1 4	23 10	0 15	15 24	0 20	16 47	0 25	19 5	4 26	19 13	19 33	7 36	17 8	4 13	T 12
F 13	11 39	10 16	3 8	0 2	2 23	13 16	0 35	0 5	1 2	18 35	1 4	23 10	0 14	15 25	0 20	16 47	0 25	19 5	4 26	19 12	19 33	7 38	17 7	4 14	F 13
S 14	12 0	13 48	2 12	0n 6	2 31	13 42	0 33	0n14	1 2	18 34	1 3	23 10	0 14	15 26	0 20	16 47	0 25	19 5	4 26	19 11	19 32	7 40	17 6	4 14	S 14
S 15	12 20	16 46	1 10	0 15	2 37	14 8	0 31	0 32	1 2	18 33	1 3	23 10	0 14	15 27	0 20	16 47	0 25	19 5	4 26	19 10	19 31	7 43	17 5	4 15	S 15
M16	12 40	19 3	0 4	0 27	2 44	14 33	0 29	0 51	1 1	18 33	1 3	23 10	0 14	15 28	0 20	16 47	0 25	19 5	4 26	19 10	19 31	7 45	17 4	4 15	M16
T 17	13 0	20 29	1s 2	0 41	2 49	14 59	0 27	1 9	1 1	18 32	1 3	23 10	0 14	15 29	0 20	16 47	0 25	19 5	4 26	19 10	19 30	7 47	17 3	4 15	T 17
W18	13 19	20 58	2 7	0 57	2 53	15 23	0 24	1 28	1 1	18 30	1 3	23 10	0 14	15 30	0 20	16 47	0 25	19 5	4 26	19 11	19 29	7 49	17 2	4 16	W18
T 19	13 38	20 24	3 7	1 15	2 57	15 48	0 22	1 46	1 0	18 29	1 3	23 10	0 14	15 31	0 20	16 47	0 25	19 5	4 26	19 11	19 28	7 51	17 1	4 16	T 19
F 20	13 58	18 47	3 59	1 34	3 0	16 12	0 20	2 4	1 0	18 28	1 3	23 10	0 14	15 33	0 20	16 47	0 25	19 5	4 26	19 11	19 28	7 53	17 0	4 17	F 20
S 21	14 16	16 10	4 40	1 56	3 3	16 35	0 17	2 23	1 0	18 27	1 3	23 9	0 14	15 34	0 20	16 47	0 25	19 5	4 26	19 12	19 27	7 55	16 59	4 17	S 21
S 22	14 35	12 37	5 6	2 19	3 4	16 59	0 15	2 41	0 59	18 26	1 3	23 9	0 13	15 35	0 20	16 47	0 25	19 5	4 26	19 12	19 26	7 57	16 58	4 18	S 22
M23	14 53	8 18	5 16	2 43	3 5	17 21	0 13	2 59	0 59	18 25	1 2	23 9	0 13	15 36	0 20	16 47	0 25	19 5	4 26	19 12	19 25	7 59	16 57	4 18	M23
T 24	15 12	3 26	5 7	3 10	3 6	17 44	0 10	3 18	0 59	18 23	1 2	23 9	0 13	15 37	0 20	16 47	0 25	19 5	4 26	19 11	19 25	8 1	16 56	4 18	T 24
W25	15 30	1s45	4 39	3 38	3 5	18 5	0 8	3 36	0 58	18 22	1 2	23 9	0 13	15 38	0 20	16 47	0 25	19 5	4 26	19 11	19 24	8 3	16 55	4 19	W25
T 26	15 47	6 57	3 51	4 7	3 4	18 27	0 5	3 54	0 58	18 20	1 2	23 9	0 13	15 39	0 20	16 47	0 25	19 5	4 26	19 11	19 23	8 5	16 54	4 19	T 26
F 27	16 5	11 47	2 47	4 37	3 3	18 48	0 3	4 12	0 57	18 19	1 2	23 8	0 13	15 40	0 20	16 46	0 25	19 5	4 26	19 10	19 22	8 7	16 53	4 20	F 27
S 28	16 22	15 52	1 31	5 9	3 0	19 8	0 0	4 30	0 57	18 17	1 2	23 8	0 13	15 41	0 20	16 46	0 25	19 5	4 26	19 10	19 22	8 9	16 52	4 20	S 28
S 29	16 39	18 53	0 10	5 43	2 57	19 28	0n 2	4 48	0 57	18 16	1 2	23 8	0 13	15 42	0 20	16 46	0 25	19 5	4 26	19 10	19 21	8 11	16 51	4 20	S 29
M30	16n55	20s36	1n11	6n17	2s54	19n47	0n 4	5n 6	0s56	18n14	1n 2	23n 8	0s13	15n43	0s20	16n46	0n25	19s 5	4n26	19s10	19s20	8n13	16s50	4n21	M30

Julian Day Number = 2184285.5, Delta T = 11m15s
Ecliptic obliquity = 23°31'59, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'08, Lahiri = 13°39'08 Julian Calendar 1 Apr. 1268 == Greg. Calendar 8 Apr. 1268

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ASTRODIENST EPHEMERIS for the year 1268
geocentric

MAY 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 5 45	17♉45'56	22♐29	24♈26	28♉54	15♈50	12♎ 7	7♋13	13♉49	15♎ 7	27°R27	25♏19	25♏58	12♈37	4°R18	T 1
W 2	15 9 41	18°43'36	6♑22	25°55	0♊ 7	16°35	12°13	7°19	13°53	15° 8	27♐26	25°20	25°55	12°44	4♐14	W 2
T 3	15 13 38	19°41'14	19°49	27°26	1°21	17°20	12°19	7°25	13°56	15° 8	27°25	25°21	25°52	12°51	4°10	T 3
F 4	15 17 35	20°38'52	2♒50	29° 0	2°34	18° 5	12°24	7°31	14° 0	15° 9	27°23	25°21	25°48	12°57	4° 6	F 4
S 5	15 21 31	21°36'28	15°30	0♉35	3°48	18°50	12°30	7°38	14° 3	15° 9	27°22	25°21	25°45	13° 4	4° 2	S 5
S 6	15 25 28	22°34'04	27°51	2°13	5° 2	19°35	12°37	7°44	14° 7	15°10	27°21	25°R21	25°42	13°11	3°58	S 6
M 7	15 29 24	23°31'38	9♓57	3°54	6°15	20°20	12°43	7°50	14°10	15°10	27°20	25°21	25°39	13°17	3°54	M 7
T 8	15 33 21	24°29'12	21°54	5°36	7°29	21° 4	12°49	7°56	14°14	15°11	27°19	25°21	25°36	13°24	3°49	T 8
W 9	15 37 17	25°26'44	3♈44	7°21	8°42	21°49	12°56	8° 3	14°17	15°12	27°17	25°D21	25°33	13°31	3°45	W 9
T 10	15 41 14	26°24'16	15°34	9° 8	9°56	22°34	13° 3	8° 9	14°21	15°12	27°16	25°21	25°29	13°37	3°41	T 10
F 11	15 45 10	27°21'46	27°25	10°58	11° 9	23°18	13°10	8°16	14°24	15°13	27°15	25°21	25°26	13°44	3°37	F 11
S 12	15 49 7	28°19'16	9♉21	12°49	12°23	24° 3	13°17	8°22	14°27	15°14	27°14	25°21	25°23	13°51	3°33	S 12
S 13	15 53 4	29°16'45	21°24	14°43	13°36	24°47	13°24	8°29	14°31	15°15	27°12	25°R21	25°20	13°57	3°28	S 13
M14	15 57 0	0♊14'13	3♊37	16°39	14°50	25°32	13°31	8°36	14°34	15°15	27°11	25°21	25°17	14° 4	3°24	M14
T 15	16 0 57	1°11'40	16° 1	18°37	16° 3	26°16	13°38	8°42	14°38	15°16	27°10	25°21	25°13	14°11	3°20	T 15
W16	16 4 53	2° 9'06	28°37	20°37	17°17	27° 1	13°46	8°49	14°41	15°17	27° 8	25°21	25°10	14°17	3°16	W16
T 17	16 8 50	3° 6'31	11♋27	22°40	18°30	27°45	13°54	8°56	14°44	15°18	27° 7	25°20	25° 7	14°24	3°11	T 17
F 18	16 12 46	4° 3'55	24°31	24°44	19°44	28°29	14° 1	9° 3	14°48	15°19	27° 6	25°19	25° 4	14°31	3° 7	F 18
S 19	16 16 43	5° 1'17	7♌50	26°49	20°57	29°13	14° 9	9°10	14°51	15°20	27° 4	25°18	25° 1	14°37	3° 3	S 19
S 20	16 20 39	5°58'39	21°25	28°57	22°11	29°57	14°17	9°17	14°54	15°21	27° 3	25°17	24°58	14°44	2°59	S 20
M21	16 24 36	6°55'59	5♍15	1♊ 5	23°24	0♉41	14°25	9°23	14°58	15°22	27° 2	25°D17	24°54	14°51	2°55	M21
T 22	16 28 33	7°53'18	19°21	3°15	24°37	1°25	14°34	9°31	15° 1	15°23	27° 0	25°17	24°51	14°57	2°50	T 22
W23	16 32 29	8°50'37	3♎40	5°26	25°51	2° 9	14°42	9°38	15° 4	15°24	26°59	25°17	24°48	15° 4	2°46	W23
T 24	16 36 26	9°47'54	18°10	7°37	27° 4	2°53	14°51	9°45	15° 7	15°25	26°57	25°18	24°45	15°11	2°42	T 24
F 25	16 40 22	10°45'10	2♏47	9°49	28°17	3°37	14°59	9°52	15°11	15°26	26°56	25°19	24°42	15°17	2°38	F 25
S 26	16 44 19	11°42'26	17°26	12° 1	29°30	4°21	15° 8	9°59	15°14	15°27	26°54	25°20	24°39	15°24	2°34	S 26
S 27	16 48 15	12°39'40	2♐ 1	14°13	0♋44	5° 4	15°17	10° 6	15°17	15°29	26°53	25°R20	24°35	15°31	2°29	S 27
M28	16 52 12	13°36'54	16°26	16°24	1°57	5°48	15°26	10°13	15°20	15°30	26°51	25°19	24°32	15°37	2°25	M28
T 29	16 56 8	14°34'08	0♑36	18°35	3°10	6°32	15°35	10°21	15°23	15°31	26°50	25°18	24°29	15°44	2°21	T 29
W30	17 0 5	15°31'21	14°25	20°44	4°23	7°15	15°44	10°28	15°27	15°32	26°48	25°15	24°26	15°51	2°17	W30
T 31	17 4 2	16♊28'34	27♑52	22♊53	5♋37	7♉58	15♎53	10♋35	15♉30	15♎34	26♐47	25♏12	24♏23	15♈58	2♐13	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n12	20s54	2n25	6n53	2s50	20n 6	0n 7	5n24	0s56	18n13	1n 2	23n 8	0s12	15n44	0s20	16n46	0n25	19s 5	4n26	19s10	19s19	8n15	16s49	4n21
W 2	17 28	19 54	3 29	7 29	2 45	20 24	0 9	5 41	0 55	18 11	1 1	23 7	0 12	15 45	0 20	16 46	0 25	19 5	4 26	19 10	19 19	8 17	16 48	4 21
T 3	17 44	17 48	4 19	8 7	2 40	20 42	0 12	5 59	0 55	18 9	1 1	23 7	0 12	15 46	0 20	16 46	0 25	19 5	4 26	19 10	19 18	8 20	16 47	4 22
F 4	17 59	14 50	4 53	8 45	2 34	20 59	0 14	6 17	0 55	18 8	1 1	23 7	0 12	15 47	0 20	16 46	0 25	19 4	4 26	19 10	19 17	8 22	16 45	4 22
S 5	18 14	11 16	5 13	9 25	2 28	21 16	0 17	6 34	0 54	18 6	1 1	23 7	0 12	15 48	0 20	16 45	0 25	19 4	4 26	19 11	19 16	8 24	16 44	4 22
S 6	18 29	7 18	5 17	10 5	2 21	21 32	0 19	6 52	0 54	18 4	1 1	23 6	0 12	15 49	0 20	16 45	0 25	19 4	4 26	19 11	19 16	8 26	16 43	4 23
M 7	18 44	3 7	5 7	10 46	2 14	21 47	0 22	7 9	0 53	18 2	1 1	23 6	0 12	15 50	0 20	16 45	0 25	19 4	4 26	19 11	19 15	8 28	16 42	4 23
T 8	18 58	1n 7	4 44	11 27	2 6	22 2	0 24	7 26	0 53	18 0	1 1	23 6	0 12	15 51	0 20	16 45	0 25	19 4	4 26	19 10	19 14	8 30	16 41	4 23
W 9	19 12	5 18	4 9	12 10	1 58	22 16	0 26	7 43	0 52	17 58	1 1	23 6	0 12	15 52	0 20	16 45	0 25	19 4	4 26	19 10	19 13	8 32	16 40	4 23
T 10	19 26	9 16	3 24	12 52	1 49	22 30	0 29	8 1	0 52	17 56	1 1	23 5	0 12	15 53	0 20	16 45	0 25	19 4	4 26	19 11	19 13	8 34	16 39	4 24
F 11	19 39	12 54	2 29	13 35	1 40	22 43	0 31	8 18	0 52	17 54	1 1	23 5	0 11	15 55	0 20	16 44	0 25	19 4	4 26	19 11	19 12	8 36	16 38	4 24
S 12	19 52	16 3	1 28	14 18	1 31	22 55	0 33	8 34	0 51	17 52	1 0	23 5	0 11	15 56	0 20	16 44	0 25	19 4	4 26	19 11	19 11	8 38	16 37	4 24
S 13	20 4	18 32	0 22	15 1	1 21	23 7	0 36	8 51	0 51	17 50	1 0	23 4	0 11	15 57	0 20	16 44	0 25	19 4	4 26	19 11	19 10	8 40	16 36	4 24
M14	20 17	20 13	0s46	15 45	1 11	23 18	0 38	9 8	0 50	17 47	1 0	23 4	0 11	15 58	0 20	16 44	0 25	19 5	4 26	19 11	19 9	8 42	16 35	4 25
T 15	20 29	20 56	1 52	16 28	1 1	23 28	0 40	9 25	0 50	17 45	1 0	23 4	0 11	15 59	0 20	16 43	0 25	19 5	4 26	19 11	19 9	8 44	16 34	4 25
W16	20 40	20 37	2 54	17 10	0 50	23 38	0 43	9 41	0 49	17 43	1 0	23 3	0 11	16 0	0 20	16 43	0 25	19 5	4 26	19 10	19 8	8 46	16 33	4 25
T 17	20 52	19 14	3 49	17 52	0 40	23 47	0 45	9 57	0 49	17 41	1 0	23 3	0 11	16 1	0 20	16 43	0 25	19 5	4 26	19 10	19 7	8 48	16 32	4 25
F 18	21 3	16 50	4 32	18 34	0 29	23 55	0 47	10 14	0 48	17 38	1 0	23 3	0 11	16 2	0 20	16 43	0 25	19 5	4 26	19 10	19 6	8 50	16 31	4 26
S 19	21 13	13 30	5 2	19 14	0 18	24 3	0 49	10 30	0 48	17 36	1 0	23 2	0 11	16 3	0 20	16 42	0 25	19 5	4 25	19 10	19 6	8 52	16 30	4 26
S 20	21 23	9 26	5 16	19 53	0 7	24 10	0 52	10 46	0 47	17 34	1 0	23 2	0 11	16 3	0 20	16 42	0 25	19 5	4 25	19 10	19 5	8 54	16 29	4 26
M21	21 33	4 47	5 12	20 31	0n 4	24 16	0 54	11 2	0 47	17 31	1 0	23 2	0 10	16 4	0 20	16 42	0 25	19 5	4 25	19 9	19 4	8 56	16 28	4 26
T 22	21 43	0s12	4 49	21 7	0 14	24 21	0 56	11 18	0 46	17 29	1 0	23 1	0 10	16 5	0 20	16 41	0 25	19 5	4 25	19 9	19 3	8 58	16 27	4 26
W23	21 52	5 16	4 9	21 42	0 25	24 26	0 58	11 33	0 45	17 26	0 59	23 1	0 10	16 6	0 20	16 41	0 25	19 5	4 25	19 10	19 3	9 0	16 26	4 26
T 24	22 0	10 6	3 12	22 14	0 35	24 30	1 0	11 49	0 45	17 23	0 59	23 0	0 10	16 7	0 20	16 41	0 25	19 5	4 25	19 10	19 2	9 2	16 25	4 27
F 25	22 9	14 23	2 2	22 45	0 45	24 33	1 2	12 5	0 44	17 21	0 59	23 0	0 10	16 8	0 20	16 40	0 25	19 5	4 25	19 10	19 1	9 4	16 24	4 27
S 26	22 17	17 48	0 44	23 13	0 54	24 36	1 4	12 20	0 44	17 18	0 59	22 59	0 10	16 9	0 20	16 40	0 25	19 5	4 25	19 10	19 0	9 5	16 23	4 27
S 27	22 24	20 3	0n37	23 38	1 3	24 38	1 6	12 35	0 43	17 15	0 59	22 59	0 10	16 10	0 20	16 40	0 25	19 5	4 25	19 10	18 59	9 7	16 22	4 27
M28	22 31	20 57	1 54	24 1	1 11	24 39	1 8	12 50	0 43	17 13	0 59	22 59	0 10	16 11	0 20	16 39	0 25	19 5	4 25	19 10	18 59	9 9	16 22	4 27
T 29	22 38	20 29	3 3	24 21	1 19	24 39	1 10	13 5	0 42	17 10	0 59	22 58	0 10	16 12	0 20	16 39	0 25	19 5	4 25	19 10	18 58	9 11	16 21	4 27
W30	22 45	18 48	3 59	24 38	1 26	24 39	1 11	13 20	0 41	17 7	0 59	22 58	0 10	16 13	0 20	16 38	0 25	19 5	4 25	19 9	18 57	9 13	16 20	4 27
T 31	22n51	16s 6	4n40	24n52	1n32	24n38	1n13	13n35	0s41	17n 4	0n59	22n57	0s 9	16n14	0s20	16n38	0n25	19s 5	4n25	19s 8	18s56	9n15	16s19	4n27

Julian Day Number = 2184315.5, Delta T = 11m15s
Ecliptic obliquity = 23°31'58, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'12, Lahiri = 13°39'12 Julian Calendar 1 May 1268 == Greg. Calendar 8 May 1268

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ASTRODIENST EPHEMERIS for the year 1268
geocentric

JUNE 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 7 58	17♊25'46	10♒56	25♊ 0	6♋50	8♉42	16♌ 2	10♋43	15♉33	15♌35	26°R46	25°R 9	24♏19	16♈ 4	2°R 9	F 1
S 2	17 11 55	18°22'59	23°38	27° 6	8° 3	9°25	16°12	10°50	15°36	15°36	26♐44	25♏ 7	24°16	16°11	2♐ 5	S 2
S 3	17 15 51	19°20'11	6♓ 2	29°10	9°16	10° 8	16°21	10°57	15°39	15°38	26°42	25° 5	24°13	16°18	2° 1	S 3
M 4	17 19 48	20°17'22	18°10	1♋12	10°29	10°52	16°31	11° 5	15°42	15°39	26°41	25°D 4	24°10	16°24	1°57	M 4
T 5	17 23 44	21°14'34	0♈ 7	3°13	11°42	11°35	16°41	11°12	15°45	15°41	26°39	25° 4	24° 7	16°31	1°54	T 5
W 6	17 27 41	22°11'46	11°58	5°11	12°56	12°18	16°50	11°20	15°48	15°42	26°38	25° 6	24° 4	16°38	1°50	W 6
T 7	17 31 37	23° 8'58	23°48	7° 8	14° 9	13° 1	17° 0	11°27	15°51	15°44	26°36	25° 7	24° 0	16°44	1°46	T 7
F 8	17 35 34	24° 6'09	5♉41	9° 2	15°22	13°44	17°10	11°35	15°54	15°45	26°35	25° 9	23°57	16°51	1°42	F 8
S 9	17 39 31	25° 3'21	17°42	10°55	16°35	14°27	17°20	11°43	15°57	15°47	26°33	25°10	23°54	16°58	1°39	S 9
S 10	17 43 27	26° 0'33	29°54	12°45	17°48	15° 9	17°31	11°50	16° 0	15°48	26°32	25°R10	23°51	17° 4	1°35	S 10
M11	17 47 24	26°57'45	12♊20	14°33	19° 1	15°52	17°41	11°58	16° 2	15°50	26°30	25° 9	23°48	17°11	1°31	M11
T 12	17 51 20	27°54'56	25° 1	16°19	20°14	16°35	17°51	12° 5	16° 5	15°51	26°29	25° 6	23°45	17°18	1°28	T 12
W13	17 55 17	28°52'08	7♋58	18° 3	21°27	17°17	18° 2	12°13	16° 8	15°53	26°27	25° 2	23°41	17°24	1°24	W13
T 14	17 59 13	29°49'20	21°10	19°45	22°40	18° 0	18°12	12°21	16°11	15°55	26°26	24°57	23°38	17°31	1°21	T 14
F 15	18 3 10	0♋46'31	4♌37	21°25	23°53	18°42	18°23	12°28	16°13	15°56	26°24	24°51	23°35	17°38	1°18	F 15
S 16	18 7 6	1°43'42	18°17	23° 2	25° 6	19°25	18°33	12°36	16°16	15°58	26°23	24°46	23°32	17°44	1°14	S 16
S 17	18 11 3	2°40'54	2♍ 8	24°38	26°19	20° 7	18°44	12°44	16°19	16° 0	26°21	24°41	23°29	17°51	1°11	S 17
M18	18 15 0	3°38'04	16° 7	26°11	27°32	20°49	18°55	12°51	16°21	16° 1	26°20	24°39	23°25	17°58	1° 8	M18
T 19	18 18 56	4°35'15	0♎13	27°42	28°45	21°32	19° 6	12°59	16°24	16° 3	26°18	24°D37	23°22	18° 4	1° 5	T 19
W20	18 22 53	5°32'26	14°23	29°11	29°57	22°14	19°17	13° 7	16°27	16° 5	26°17	24°37	23°19	18°11	1° 2	W20
T 21	18 26 49	6°29'36	28°37	0♌37	1♌10	22°56	19°28	13°15	16°29	16° 7	26°15	24°39	23°16	18°18	0°59	T 21
F 22	18 30 46	7°26'46	12♏51	2° 2	2°23	23°38	19°39	13°22	16°32	16° 9	26°14	24°40	23°13	18°24	0°56	F 22
S 23	18 34 42	8°23'57	27° 5	3°24	3°36	24°20	19°50	13°30	16°34	16°10	26°12	24°R40	23°10	18°31	0°53	S 23
S 24	18 38 39	9°21'07	11♐14	4°43	4°49	25° 1	20° 1	13°38	16°36	16°12	26°11	24°39	23° 6	18°38	0°50	S 24
M25	18 42 35	10°18'18	25°16	6° 1	6° 1	25°43	20°13	13°46	16°39	16°14	26° 9	24°36	23° 3	18°44	0°48	M25
T 26	18 46 32	11°15'29	9♑ 6	7°16	7°14	26°25	20°24	13°54	16°41	16°16	26° 8	24°31	23° 0	18°51	0°45	T 26
W27	18 50 29	12°12'40	22°41	8°28	8°27	27° 6	20°35	14° 1	16°44	16°18	26° 6	24°24	22°57	18°58	0°43	W27
T 28	18 54 25	13° 9'52	5♒59	9°38	9°39	27°48	20°47	14° 9	16°46	16°20	26° 5	24°16	22°54	19° 4	0°40	T 28
F 29	18 58 22	14° 7'04	18°57	10°45	10°52	28°29	20°58	14°17	16°48	16°22	26° 3	24° 7	22°51	19°11	0°38	F 29
S 30	19 2 18	15♋ 4'17	1♓37	11♌50	12♌ 5	29♉11	21♌10	14♋25	16♉50	16♌24	26♐ 2	24♏ 0	22♏47	19♈18	0♐35	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n56	12s40	5n 5	25n 4	1n38	24n36	1n15	13n49	0s40	17n 1	0n59	22n57	0s 9	16n15	0s20	16n38	0n25	19s 5	4n25	19s 8	18s56	9n17	16s18	4n27
S 2	23 1	8 44	5 15	25 13	1 43	24 34	1 17	14 4	0 40	16 59	0 59	22 56	0 9	16 16	0 20	16 37	0 25	19 5	4 25	19 7	18 55	9 19	16 17	4 28
S 3	23 6	4 33	5 9	25 19	1 47	24 30	1 18	14 18	0 39	16 56	0 59	22 56	0 9	16 17	0 20	16 37	0 25	19 5	4 25	19 7	18 54	9 21	16 16	4 28
M 4	23 11	0 15	4 50	25 22	1 51	24 26	1 20	14 32	0 39	16 53	0 59	22 55	0 9	16 17	0 20	16 36	0 25	19 5	4 24	19 6	18 53	9 23	16 16	4 28
T 5	23 15	3n59	4 18	25 23	1 53	24 22	1 21	14 46	0 38	16 50	0 58	22 55	0 9	16 18	0 20	16 36	0 25	19 5	4 24	19 7	18 52	9 25	16 15	4 28
W 6	23 18	8 3	3 35	25 21	1 55	24 16	1 23	15 0	0 37	16 47	0 58	22 54	0 9	16 19	0 20	16 36	0 25	19 5	4 24	19 7	18 52	9 27	16 14	4 28
T 7	23 21	11 48	2 44	25 17	1 57	24 10	1 24	15 13	0 37	16 44	0 58	22 53	0 9	16 20	0 20	16 35	0 25	19 5	4 24	19 7	18 51	9 29	16 13	4 28
F 8	23 24	15 7	1 45	25 10	1 57	24 3	1 25	15 27	0 36	16 40	0 58	22 53	0 9	16 21	0 20	16 35	0 25	19 5	4 24	19 8	18 50	9 31	16 13	4 28
S 9	23 26	17 50	0 41	25 2	1 57	23 56	1 27	15 40	0 35	16 37	0 58	22 52	0 9	16 22	0 20	16 34	0 25	19 5	4 24	19 8	18 49	9 33	16 12	4 28
S 10	23 28	19 47	0s26	24 51	1 56	23 48	1 28	15 53	0 35	16 34	0 58	22 52	0 9	16 22	0 20	16 34	0 25	19 5	4 24	19 8	18 48	9 35	16 11	4 28
M11	23 30	20 50	1 33	24 38	1 55	23 39	1 29	16 7	0 34	16 31	0 58	22 51	0 8	16 23	0 20	16 33	0 25	19 6	4 24	19 8	18 48	9 37	16 10	4 28
T 12	23 31	20 50	2 36	24 24	1 53	23 29	1 30	16 19	0 33	16 28	0 58	22 51	0 8	16 24	0 20	16 33	0 25	19 6	4 24	19 7	18 47	9 39	16 10	4 28
W13	23 32	19 45	3 32	24 8	1 50	23 19	1 31	16 32	0 33	16 24	0 58	22 50	0 8	16 25	0 20	16 32	0 25	19 6	4 24	19 6	18 46	9 40	16 9	4 28
T 14	23 32	17 36	4 19	23 50	1 47	23 8	1 32	16 45	0 32	16 21	0 58	22 49	0 8	16 26	0 20	16 32	0 25	19 6	4 23	19 5	18 45	9 42	16 8	4 28
F 15	23 32	14 27	4 52	23 31	1 43	22 56	1 33	16 57	0 32	16 18	0 58	22 49	0 8	16 26	0 20	16 31	0 25	19 6	4 23	19 3	18 45	9 44	16 8	4 28
S 16	23 31	10 30	5 9	23 10	1 38	22 44	1 34	17 9	0 31	16 14	0 58	22 48	0 8	16 27	0 20	16 31	0 25	19 6	4 23	19 2	18 44	9 46	16 7	4 28
S 17	23 30	5 57	5 8	22 49	1 33	22 31	1 35	17 21	0 30	16 11	0 58	22 47	0 8	16 28	0 20	16 30	0 25	19 6	4 23	19 1	18 43	9 48	16 7	4 28
M18	23 29	1 3	4 49	22 26	1 28	22 18	1 35	17 33	0 30	16 8	0 58	22 47	0 8	16 29	0 20	16 30	0 25	19 6	4 23	19 0	18 42	9 50	16 6	4 28
T 19	23 27	3s57	4 13	22 2	1 21	22 3	1 36	17 45	0 29	16 4	0 58	22 46	0 8	16 30	0 20	16 29	0 25	19 6	4 23	19 0	18 41	9 52	16 5	4 28
W20	23 25	8 47	3 21	21 37	1 15	21 49	1 37	17 57	0 28	16 1	0 58	22 45	0 8	16 30	0 20	16 29	0 25	19 6	4 23	19 0	18 41	9 54	16 5	4 27
T 21	23 22	13 9	2 17	21 12	1 8	21 33	1 37	18 8	0 27	15 57	0 58	22 45	0 8	16 31	0 20	16 28	0 25	19 6	4 23	19 0	18 40	9 56	16 4	4 27
F 22	23 19	16 46	1 4	20 45	1 0	21 17	1 37	18 19	0 27	15 54	0 58	22 44	0 7	16 32	0 20	16 28	0 25	19 6	4 22	19 1	18 39	9 58	16 4	4 27
S 23	23 16	19 22	0n13	20 19	0 52	21 1	1 38	18 30	0 26	15 50	0 57	22 43	0 7	16 32	0 20	16 27	0 25	19 6	4 22	19 1	18 38	9 59	16 3	4 27
S 24	23 12	20 45	1 29	19 51	0 43	20 43	1 38	18 41	0 25	15 46	0 57	22 43	0 7	16 33	0 20	16 27	0 25	19 7	4 22	19 0	18 37	10 1	16 3	4 27
M25	23 8	20 49	2 38	19 24	0 34	20 26	1 38	18 52	0 25	15 43	0 57	22 42	0 7	16 34	0 20	16 26	0 25	19 7	4 22	19 0	18 37	10 3	16 2	4 27
T 26	23 3	19 37	3 37	18 56	0 25	20 7	1 38	19 2	0 24	15 39	0 57	22 41	0 7	16 34	0 20	16 25	0 25	19 7	4 22	18 58	18 36	10 5	16 2	4 27
W27	22 58	17 19	4 22	18 27	0 15	19 48	1 39	19 13	0 23	15 35	0 57	22 41	0 7	16 35	0 20	16 25	0 25	19 7	4 22	18 57	18 35	10 7	16 2	4 27
T 28	22 53	14 8	4 52	17 59	0 5	19 29	1 38	19 23	0 22	15 32	0 57	22 40	0 7	16 36	0 20	16 24	0 25	19 7	4 22	18 55	18 34	10 9	16 1	4 27
F 29	22 47	10 21	5 6	17 30	0s 6	19 9	1 38	19 33	0 22	15 28	0 57	22 39	0 7	16 36	0 20	16 24	0 25	19 7	4 21	18 53	18 33	10 11	16 1	4 27
S 30	22n41	6s12	5n 4	17n 2	0s17	18n49	1n38	19n43	0s21	15n24	0n57	22n38	0s 7	16n37	0s20	16n23	0n25	19s 7	4n21	18s51	18s32	10n13	16s 1	4n26

Julian Day Number = 2184346.5, Delta T = 11m15s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'16, Lahiri = 13°39'16 Julian Calendar 1 June 1268 == Greg. Calendar 8 June 1268

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ASTRODIENST EPHEMERIS for the year 1268
geocentric

JULY 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 6 15	16♋ 1'31	13♓59	12♌52	13♌17	29♉52	21♌22	14♋32	16♉52	16♌26	26°R 1	23°R54	22♏44	19♈24	0°R33	S 1
M 2	19 10 11	16°58'45	26° 7	13°51	14°30	0♊33	21°33	14°40	16°55	16°28	25♐59	23♏49	22°41	19°31	0♐31	M 2
T 3	19 14 8	17°56'00	8♈ 4	14°47	15°42	1°15	21°45	14°48	16°57	16°30	25°58	23°47	22°38	19°38	0°29	T 3
W 4	19 18 4	18°53'16	19°55	15°40	16°55	1°56	21°57	14°56	16°59	16°32	25°56	23°D46	22°35	19°44	0°27	W 4
T 5	19 22 1	19°50'33	1♉45	16°29	18° 7	2°37	22° 9	15° 4	17° 1	16°34	25°55	23°47	22°31	19°51	0°25	T 5
F 6	19 25 58	20°47'51	13°39	17°16	19°20	3°18	22°21	15°11	17° 3	16°36	25°54	23°48	22°28	19°58	0°23	F 6
S 7	19 29 54	21°45'09	25°43	17°58	20°32	3°59	22°33	15°19	17° 5	16°38	25°52	23°R48	22°25	20° 4	0°22	S 7
S 8	19 33 51	22°42'29	8♊ 1	18°37	21°45	4°40	22°45	15°27	17° 6	16°40	25°51	23°47	22°22	20°11	0°20	S 8
M 9	19 37 47	23°39'50	20°37	19°13	22°57	5°20	22°57	15°35	17° 8	16°42	25°50	23°44	22°19	20°18	0°18	M 9
T 10	19 41 44	24°37'12	3♋32	19°44	24°10	6° 1	23° 9	15°42	17°10	16°44	25°48	23°38	22°16	20°24	0°17	T 10
W11	19 45 40	25°34'34	16°49	20°11	25°22	6°42	23°21	15°50	17°12	16°46	25°47	23°31	22°12	20°31	0°16	W11
T 12	19 49 37	26°31'58	0♌25	20°33	26°34	7°22	23°34	15°58	17°14	16°48	25°46	23°21	22° 9	20°38	0°14	T 12
F 13	19 53 34	27°29'22	14°18	20°51	27°46	8° 2	23°46	16° 5	17°15	16°50	25°45	23°11	22° 6	20°44	0°13	F 13
S 14	19 57 30	28°26'47	28°24	21° 4	28°59	8°43	23°58	16°13	17°17	16°52	25°43	23° 1	22° 3	20°51	0°12	S 14
S 15	20 1 27	29°24'13	12♍38	21°13	0♍11	9°23	24°11	16°21	17°18	16°55	25°42	22°53	22° 0	20°58	0°11	S 15
M16	20 5 23	0♌21'40	26°56	21°R16	1°23	10° 3	24°23	16°28	17°20	16°57	25°41	22°47	21°57	21° 4	0°10	M16
T 17	20 9 20	1°19'07	11♎12	21°14	2°35	10°43	24°35	16°36	17°21	16°59	25°40	22°43	21°53	21°11	0° 9	T 17
W18	20 13 16	2°16'35	25°25	21° 7	3°47	11°23	24°48	16°44	17°23	17° 1	25°39	22°41	21°50	21°18	0° 9	W18
T 19	20 17 13	3°14'04	9♏32	20°54	4°59	12° 3	25° 0	16°51	17°24	17° 3	25°37	22°D41	21°47	21°24	0° 8	T 19
F 20	20 21 9	4°11'34	23°32	20°36	6°11	12°43	25°13	16°59	17°26	17° 5	25°36	22°R42	21°44	21°31	0° 7	F 20
S 21	20 25 6	5° 9'04	7♐25	20°13	7°23	13°23	25°25	17° 6	17°27	17° 8	25°35	22°41	21°41	21°38	0° 7	S 21
S 22	20 29 3	6° 6'36	21°11	19°45	8°35	14° 3	25°38	17°14	17°28	17°10	25°34	22°38	21°37	21°44	0° 7	S 22
M23	20 32 59	7° 4'08	4♑47	19°12	9°47	14°42	25°51	17°21	17°29	17°12	25°33	22°33	21°34	21°51	0° 6	M23
T 24	20 36 56	8° 1'41	18°14	18°34	10°59	15°22	26° 3	17°29	17°31	17°14	25°32	22°25	21°31	21°58	0° 6	T 24
W25	20 40 52	8°59'16	1♒28	17°53	12°11	16° 1	26°16	17°36	17°32	17°16	25°31	22°14	21°28	22° 4	0°D 6	W25
T 26	20 44 49	9°56'52	14°29	17° 8	13°23	16°40	26°29	17°44	17°33	17°19	25°30	22° 2	21°25	22°11	0° 6	T 26
F 27	20 48 45	10°54'28	27°15	16°20	14°35	17°20	26°42	17°51	17°34	17°21	25°29	21°49	21°22	22°18	0° 6	F 27
S 28	20 52 42	11°52'07	9♓46	15°30	15°46	17°59	26°54	17°59	17°35	17°23	25°28	21°38	21°18	22°24	0° 6	S 28
S 29	20 56 38	12°49'46	22° 3	14°39	16°58	18°38	27° 7	18° 6	17°36	17°25	25°27	21°27	21°15	22°31	0° 7	S 29
M30	21 0 35	13°47'28	4♈ 7	13°48	18°10	19°17	27°20	18°13	17°37	17°27	25°26	21°19	21°12	22°38	0° 7	M30
T 31	21 4 31	14♌45'10	16♈ 1	12♌58	19♍21	19♊56	27♌33	18♋21	17♉37	17♌30	25♐26	21♏14	21♏ 9	22♈44	0♐ 8	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n34	1s53	4n49	16n34	0s28	18n28	1n38	19n52	0s20	15n20	0n57	22n38	0s 7	16n38	0s20	16n23	0n25	19s 7	4n21	18s49	18s32	10n15	16s 0	4n26
M 2	22 27	2n26	4 20	16 6	0 40	18 6	1 38	20 2	0 20	15 17	0 57	22 37	0 7	16 38	0 20	16 22	0 25	19 7	4 21	18 48	18 31	10 16	16 0	4 26
T 3	22 20	6 35	3 41	15 38	0 52	17 44	1 37	20 11	0 19	15 13	0 57	22 36	0 6	16 39	0 20	16 21	0 25	19 7	4 21	18 47	18 30	10 18	16 0	4 26
W 4	22 12	10 28	2 52	15 11	1 4	17 22	1 37	20 20	0 18	15 9	0 57	22 35	0 6	16 39	0 20	16 21	0 25	19 8	4 21	18 47	18 29	10 20	15 59	4 26
T 5	22 4	13 56	1 56	14 45	1 16	16 59	1 36	20 29	0 17	15 5	0 57	22 34	0 6	16 40	0 20	16 20	0 25	19 8	4 21	18 47	18 28	10 22	15 59	4 26
F 6	21 55	16 52	0 54	14 19	1 29	16 36	1 36	20 38	0 17	15 1	0 57	22 34	0 6	16 40	0 20	16 20	0 25	19 8	4 20	18 48	18 28	10 24	15 59	4 25
S 7	21 46	19 6	0s10	13 54	1 41	16 12	1 35	20 46	0 16	14 57	0 57	22 33	0 6	16 41	0 20	16 19	0 25	19 8	4 20	18 48	18 27	10 26	15 59	4 25
S 8	21 37	20 29	1 15	13 30	1 54	15 48	1 34	20 54	0 15	14 53	0 57	22 32	0 6	16 42	0 20	16 18	0 25	19 8	4 20	18 48	18 26	10 28	15 59	4 25
M 9	21 27	20 54	2 18	13 6	2 7	15 23	1 33	21 2	0 14	14 49	0 57	22 31	0 6	16 42	0 20	16 18	0 25	19 8	4 20	18 47	18 25	10 29	15 59	4 25
T 10	21 17	20 13	3 16	12 44	2 20	14 58	1 32	21 10	0 13	14 45	0 57	22 30	0 6	16 43	0 20	16 17	0 25	19 8	4 20	18 45	18 24	10 31	15 58	4 25
W11	21 7	18 26	4 4	12 24	2 33	14 33	1 31	21 18	0 13	14 41	0 57	22 30	0 6	16 43	0 20	16 16	0 25	19 8	4 20	18 43	18 24	10 33	15 58	4 25
T 12	20 56	15 35	4 40	12 4	2 46	14 7	1 30	21 26	0 12	14 37	0 57	22 29	0 6	16 44	0 20	16 16	0 25	19 9	4 19	18 41	18 23	10 35	15 58	4 24
F 13	20 45	11 49	5 0	11 47	2 59	13 41	1 29	21 33	0 11	14 33	0 57	22 28	0 6	16 44	0 20	16 15	0 25	19 9	4 19	18 38	18 22	10 37	15 58	4 24
S 14	20 33	7 21	5 2	11 31	3 11	13 15	1 28	21 40	0 10	14 29	0 57	22 27	0 5	16 44	0 20	16 15	0 25	19 9	4 19	18 36	18 21	10 39	15 58	4 24
S 15	20 21	2 27	4 46	11 16	3 24	12 48	1 26	21 47	0 10	14 25	0 57	22 26	0 5	16 45	0 20	16 14	0 25	19 9	4 19	18 34	18 20	10 40	15 58	4 24
M16	20 9	2s37	4 12	11 4	3 35	12 21	1 25	21 54	0 9	14 20	0 57	22 25	0 5	16 45	0 20	16 13	0 25	19 9	4 19	18 32	18 19	10 42	15 58	4 24
T 17	19 57	7 32	3 22	10 54	3 47	11 53	1 23	22 1	0 8	14 16	0 57	22 25	0 5	16 46	0 20	16 13	0 25	19 9	4 18	18 31	18 19	10 44	15 58	4 23
W18	19 44	12 2	2 20	10 46	3 58	11 26	1 22	22 7	0 7	14 12	0 57	22 24	0 5	16 46	0 20	16 12	0 25	19 9	4 18	18 31	18 18	10 46	15 58	4 23
T 19	19 31	15 49	1 9	10 40	4 8	10 58	1 20	22 13	0 6	14 8	0 57	22 23	0 5	16 46	0 20	16 11	0 25	19 10	4 18	18 31	18 17	10 48	15 58	4 23
F 20	19 17	18 39	0n 4	10 37	4 17	10 29	1 19	22 19	0 5	14 4	0 57	22 22	0 5	16 47	0 20	16 11	0 25	19 10	4 18	18 31	18 16	10 49	15 58	4 23
S 21	19 3	20 22	1 17	10 36	4 25	10 1	1 17	22 25	0 5	13 59	0 57	22 21	0 5	16 47	0 20	16 10	0 25	19 10	4 18	18 31	18 15	10 51	15 58	4 23
S 22	18 49	20 50	2 25	10 38	4 32	9 32	1 15	22 31	0 4	13 55	0 57	22 20	0 5	16 48	0 20	16 9	0 25	19 10	4 18	18 30	18 14	10 53	15 59	4 22
M23	18 35	20 3	3 23	10 43	4 38	9 3	1 13	22 36	0 3	13 51	0 57	22 19	0 5	16 48	0 20	16 9	0 25	19 10	4 17	18 29	18 14	10 55	15 59	4 22
T 24	18 20	18 10	4 10	10 50	4 43	8 34	1 11	22 41	0 2	13 47	0 57	22 19	0 5	16 48	0 20	16 8	0 25	19 10	4 17	18 27	18 13	10 57	15 59	4 22
W25	18 5	15 20	4 42	11 0	4 46	8 5	1 9	22 46	0 1	13 42	0 57	22 18	0 5	16 49	0 20	16 7	0 25	19 11	4 17	18 24	18 12	10 58	15 59	4 22
T 26	17 49	11 47	4 58	11 12	4 47	7 35	1 7	22 51	0 0	13 38	0 57	22 17	0 4	16 49	0 20	16 7	0 25	19 11	4 17	18 21	18 11	11 0	15 59	4 21
F 27	17 34	7 47	5 0	11 27	4 46	7 5	1 4	22 56	0n 0	13 34	0 57	22 16	0 4	16 49	0 20	16 6	0 25	19 11	4 17	18 18	18 10	11 2	16 0	4 21
S 28	17 18	3 31	4 46	11 44	4 44	6 35	1 2	23 0	0 1	13 29	0 57	22 15	0 4	16 49	0 20	16 5	0 26	19 11	4 16	18 14	18 9	11 4	16 0	4 21
S 29	17 2	0n48	4 20	12 3	4 39	6 5	1 0	23 5	0 2	13 25	0 57	22 14	0 4	16 50	0 20	16 5	0 26	19 11	4 16	18 12	18 9	11 6	16 0	4 21
M30	16 45	5 2	3 42	12 23	4 33	5 35	0 57	23 9	0 3	13 20	0 57	22 13	0 4	16 50	0 20	16 4	0 26	19 11	4 16	18 10	18 8	11 7	16 1	4 20
T 31	16n28	9n 1	2n55	12n45	4s25	5n 4	0n55	23n13	0n 4	13n16	0n57	22n12	0s 4	16n50	0s20	16n 3	0n26	19s12	4n16	18s 8	18s 7	11n 9	16s 1	4n20

Julian Day Number = 2184376.5, Delta T = 11m15s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'20, Lahiri = 13°39'21 Julian Calendar 1 July 1268 == Greg. Calendar 8 July 1268

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ASTRODIENST EPHEMERIS for the year 1268
geocentric

AUGUST 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 8 28	15♌42'55	27♈51	12°R10	20♍33	20♊35	27♌46	18♋28	17♉38	17♌32	25°R25	21°R12	21♏ 6	22♈51	0♐ 8	W 1
T 2	21 12 25	16°40'41	9♉40	11♌24	21°44	21°14	27°58	18°35	17°39	17°34	25♐24	21♏11	21° 3	22°58	0° 9	T 2
F 3	21 16 21	17°38'29	21°33	10°43	22°56	21°52	28°11	18°42	17°40	17°36	25°23	21°10	20°59	23° 4	0°10	F 3
S 4	21 20 18	18°36'19	3♊37	10° 6	24° 7	22°31	28°24	18°49	17°40	17°39	25°22	21°10	20°56	23°11	0°11	S 4
S 5	21 24 14	19°34'10	15°56	9°35	25°19	23° 9	28°37	18°56	17°41	17°41	25°22	21° 9	20°53	23°18	0°12	S 5
M 6	21 28 11	20°32'03	28°36	9°10	26°30	23°48	28°50	19° 3	17°41	17°43	25°21	21° 5	20°50	23°24	0°13	M 6
T 7	21 32 7	21°29'58	11♋39	8°52	27°41	24°26	29° 3	19°10	17°42	17°45	25°20	20°59	20°47	23°31	0°14	T 7
W 8	21 36 4	22°27'55	25° 7	8°41	28°52	25° 4	29°16	19°17	17°42	17°47	25°20	20°50	20°43	23°38	0°15	W 8
T 9	21 40 0	23°25'54	9♌ 1	8°D39	0♎ 4	25°42	29°29	19°24	17°43	17°50	25°19	20°39	20°40	23°44	0°16	T 9
F 10	21 43 57	24°23'54	23°16	8°44	1°15	26°20	29°42	19°31	17°43	17°52	25°18	20°27	20°37	23°51	0°18	F 10
S 11	21 47 54	25°21'56	7♍47	8°58	2°26	26°58	29°55	19°38	17°43	17°54	25°18	20°16	20°34	23°58	0°19	S 11
S 12	21 51 50	26°19'59	22°28	9°19	3°37	27°36	0♍ 8	19°45	17°43	17°56	25°17	20° 6	20°31	24° 4	0°21	S 12
M13	21 55 47	27°18'04	7♎ 9	9°49	4°48	28°14	0°21	19°52	17°44	17°59	25°17	19°59	20°28	24°11	0°23	M13
T 14	21 59 43	28°16'10	21°45	10°28	5°59	28°51	0°34	19°58	17°44	18° 1	25°16	19°54	20°24	24°18	0°24	T 14
W15	22 3 40	29°14'18	6♏10	11°14	7°10	29°29	0°47	20° 5	17°44	18° 3	25°16	19°52	20°21	24°24	0°26	W15
T 16	22 7 36	0♍12'27	20°22	12° 7	8°21	0♋ 6	1° 0	20°12	17°R44	18° 5	25°15	19°D51	20°18	24°31	0°28	T 16
F 17	22 11 33	1°10'38	4♐20	13° 8	9°31	0°44	1°13	20°18	17°44	18° 7	25°15	19°R51	20°15	24°38	0°30	F 17
S 18	22 15 29	2° 8'50	18° 3	14°16	10°42	1°21	1°26	20°25	17°44	18°10	25°14	19°51	20°12	24°44	0°33	S 18
S 19	22 19 26	3° 7'04	1♑32	15°30	11°53	1°58	1°39	20°31	17°44	18°12	25°14	19°48	20° 9	24°51	0°35	S 19
M20	22 23 23	4° 5'19	14°49	16°51	13° 3	2°35	1°52	20°37	17°43	18°14	25°14	19°43	20° 5	24°58	0°37	M20
T 21	22 27 19	5° 3'36	27°54	18°16	14°14	3°12	2° 5	20°44	17°43	18°16	25°13	19°35	20° 2	25° 4	0°40	T 21
W22	22 31 16	6° 1'54	10♒47	19°46	15°24	3°48	2°18	20°50	17°43	18°18	25°13	19°24	19°59	25°11	0°42	W22
T 23	22 35 12	7° 0'14	23°28	21°21	16°35	4°25	2°31	20°56	17°42	18°20	25°13	19°12	19°56	25°18	0°45	T 23
F 24	22 39 9	7°58'36	5♓58	22°59	17°45	5° 2	2°44	21° 2	17°42	18°22	25°13	18°59	19°53	25°24	0°48	F 24
S 25	22 43 5	8°57'00	18°17	24°41	18°55	5°38	2°57	21° 9	17°42	18°25	25°13	18°48	19°49	25°31	0°50	S 25
S 26	22 47 2	9°55'26	0♈24	26°25	20° 5	6°14	3°10	21°15	17°41	18°27	25°12	18°37	19°46	25°37	0°53	S 26
M27	22 50 58	10°53'54	12°23	28°12	21°15	6°51	3°23	21°21	17°41	18°29	25°12	18°29	19°43	25°44	0°56	M27
T 28	22 54 55	11°52'23	24°14	0♍ 0	22°25	7°27	3°36	21°26	17°40	18°31	25°12	18°24	19°40	25°51	0°59	T 28
W29	22 58 52	12°50'55	6♉ 1	1°50	23°35	8° 3	3°49	21°32	17°39	18°33	25°12	18°21	19°37	25°57	1° 2	W29
T 30	23 2 48	13°49'29	17°48	3°41	24°45	8°39	4° 2	21°38	17°39	18°35	25°D12	18°D20	19°34	26° 4	1° 6	T 30
F 31	23 6 45	14♍48'06	29♉40	5♍32	25♎55	9♋14	4♍15	21♋44	17♉38	18♌37	25♐12	18♏21	19♏30	26♈11	1♐ 9	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n11	12n37	2n 0	13n 8	4s15	4n34	0n52	23n17	0n 5	13n11	0n57	22n11	0s 4	16n50	0s20	16n 3	0n26	19s12	4n16	18s 8	18s 6	11n11	16s 1	4n20
T 2	15 54	15 43	1 1	13 31	4 4	4 3	0 49	23 20	0 6	13 7	0 57	22 10	0 4	16 50	0 20	16 2	0 26	19 12	4 15	18 7	18 5	11 13	16 2	4 20
F 3	15 36	18 11	0s 2	13 55	3 51	3 32	0 47	23 23	0 7	13 3	0 57	22 10	0 4	16 51	0 20	16 1	0 26	19 12	4 15	18 7	18 4	11 15	16 2	4 20
S 4	15 19	19 53	1 5	14 19	3 36	3 1	0 44	23 27	0 7	12 58	0 57	22 9	0 4	16 51	0 20	16 1	0 26	19 12	4 15	18 7	18 4	11 16	16 2	4 19
S 5	15 0	20 41	2 7	14 42	3 21	2 30	0 41	23 30	0 8	12 54	0 57	22 8	0 4	16 51	0 20	16 0	0 26	19 13	4 15	18 7	18 3	11 18	16 3	4 19
M 6	14 42	20 27	3 4	15 4	3 4	1 59	0 38	23 32	0 9	12 49	0 57	22 7	0 4	16 51	0 20	15 59	0 26	19 13	4 14	18 6	18 2	11 20	16 3	4 19
T 7	14 24	19 9	3 53	15 26	2 47	1 28	0 35	23 35	0 10	12 45	0 57	22 6	0 3	16 51	0 20	15 59	0 26	19 13	4 14	18 4	18 1	11 22	16 4	4 19
W 8	14 5	16 45	4 31	15 45	2 29	0 57	0 32	23 37	0 11	12 40	0 57	22 5	0 3	16 51	0 20	15 58	0 26	19 13	4 14	18 2	18 0	11 23	16 4	4 18
T 9	13 46	13 20	4 55	16 4	2 11	0 25	0 29	23 40	0 12	12 36	0 57	22 4	0 3	16 51	0 20	15 57	0 26	19 13	4 14	17 59	17 59	11 25	16 5	4 18
F 10	13 26	9 5	5 0	16 20	1 53	0s 6	0 26	23 42	0 13	12 31	0 57	22 3	0 3	16 52	0 20	15 57	0 26	19 14	4 14	17 56	17 59	11 27	16 5	4 18
S 11	13 7	4 14	4 47	16 34	1 35	0 37	0 23	23 44	0 14	12 26	0 57	22 2	0 3	16 52	0 20	15 56	0 26	19 14	4 13	17 53	17 58	11 29	16 6	4 18
S 12	12 47	0s54	4 15	16 46	1 17	1 9	0 20	23 45	0 15	12 22	0 57	22 1	0 3	16 52	0 20	15 55	0 26	19 14	4 13	17 50	17 57	11 30	16 6	4 17
M13	12 27	5 59	3 25	16 55	0 59	1 40	0 16	23 47	0 16	12 17	0 58	22 1	0 3	16 52	0 20	15 55	0 26	19 14	4 13	17 48	17 56	11 32	16 7	4 17
T 14	12 7	10 43	2 23	17 1	0 42	2 11	0 13	23 48	0 17	12 13	0 58	22 0	0 3	16 52	0 20	15 54	0 26	19 14	4 13	17 47	17 55	11 34	16 8	4 17
W15	11 47	14 46	1 12	17 4	0 25	2 42	0 10	23 49	0 18	12 8	0 58	21 59	0 3	16 52	0 20	15 53	0 26	19 15	4 12	17 46	17 54	11 36	16 8	4 17
T 16	11 27	17 52	0n 3	17 4	0 9	3 14	0 6	23 50	0 18	12 3	0 58	21 58	0 3	16 52	0 20	15 53	0 26	19 15	4 12	17 46	17 53	11 37	16 9	4 16
F 17	11 6	19 51	1 16	17 2	0n 6	3 45	0 3	23 51	0 19	11 59	0 58	21 57	0 3	16 52	0 20	15 52	0 26	19 15	4 12	17 46	17 53	11 39	16 10	4 16
S 18	10 45	20 37	2 23	16 56	0 20	4 16	0s 1	23 52	0 20	11 54	0 58	21 56	0 2	16 52	0 20	15 51	0 26	19 15	4 12	17 46	17 52	11 41	16 10	4 16
S 19	10 24	20 10	3 22	16 46	0 33	4 47	0 4	23 52	0 21	11 50	0 58	21 55	0 2	16 52	0 20	15 51	0 26	19 15	4 12	17 45	17 51	11 42	16 11	4 16
M20	10 3	18 36	4 8	16 34	0 45	5 18	0 8	23 53	0 22	11 45	0 58	21 54	0 2	16 52	0 20	15 50	0 26	19 16	4 11	17 44	17 50	11 44	16 12	4 15
T 21	9 42	16 5	4 41	16 18	0 56	5 49	0 12	23 53	0 23	11 40	0 58	21 53	0 2	16 52	0 20	15 49	0 26	19 16	4 11	17 42	17 49	11 46	16 12	4 15
W22	9 20	12 49	4 58	15 59	1 6	6 20	0 15	23 53	0 24	11 36	0 58	21 53	0 2	16 51	0 20	15 49	0 26	19 16	4 11	17 39	17 48	11 48	16 13	4 15
T 23	8 58	9 1	5 1	15 37	1 15	6 50	0 19	23 53	0 25	11 31	0 58	21 52	0 2	16 51	0 20	15 48	0 26	19 16	4 11	17 36	17 47	11 49	16 14	4 15
F 24	8 37	4 53	4 49	15 12	1 23	7 21	0 23	23 52	0 26	11 26	0 58	21 51	0 2	16 51	0 20	15 47	0 26	19 16	4 10	17 32	17 47	11 51	16 15	4 14
S 25	8 15	0 37	4 23	14 45	1 29	7 51	0 27	23 52	0 27	11 22	0 58	21 50	0 2	16 51	0 20	15 47	0 26	19 17	4 10	17 29	17 46	11 53	16 16	4 14
S 26	7 53	3n37	3 46	14 15	1 35	8 21	0 31	23 51	0 28	11 17	0 58	21 49	0 2	16 51	0 20	15 46	0 26	19 17	4 10	17 26	17 45	11 54	16 16	4 14
M27	7 30	7 39	2 59	13 42	1 40	8 51	0 34	23 51	0 29	11 12	0 58	21 48	0 2	16 51	0 20	15 45	0 26	19 17	4 10	17 24	17 44	11 56	16 17	4 14
T 28	7 8	11 22	2 5	13 8	1 44	9 21	0 38	23 50	0 30	11 8	0 58	21 47	0 2	16 51	0 20	15 45	0 26	19 17	4 10	17 22	17 43	11 58	16 18	4 14
W29	6 46	14 36	1 5	12 31	1 46	9 51	0 42	23 48	0 31	11 3	0 58	21 47	0 1	16 50	0 20	15 44	0 26	19 18	4 9	17 21	17 42	11 59	16 19	4 13
T 30	6 23	17 15	0 3	11 53	1 48	10 20	0 46	23 47	0 32	10 59	0 59	21 46	0 1	16 50	0 20	15 44	0 26	19 18	4 9	17 21	17 41	12 1	16 20	4 13
F 31	6n 0	19n11	1s 0	11n13	1n50	10s50	0s50	23n46	0n33	10n54	0n59	21n45	0s 1	16n50	0s20	15n43	0n26	19s18	4n 9	17s21	17s41	12n 3	16s21	4n13

Julian Day Number = 2184407.5, Delta T = 11m14s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'24, Lahiri = 13°39'25 Julian Calendar 1 Aug. 1268 == Greg. Calendar 8 Aug. 1268

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ASTRODIENST EPHEMERIS for the year 1268
geocentric

SEPTEMBER 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 10 41	15♍46'44	11♊42	7♍24	27♎ 5	9♋50	4♍28	21♋49	17°R37	18♌39	25♐12	18°R21	19♏27	26♈17	1♐12	S 1
S 2	23 14 38	16°45'25	24° 0	9°15	28°15	10°26	4°41	21°55	17♉36	18°41	25°12	18♏21	19°24	26°24	1°16	S 2
M 3	23 18 34	17°44'08	6♋38	11° 7	29°24	11° 1	4°54	22° 1	17°36	18°43	25°12	18°19	19°21	26°31	1°19	M 3
T 4	23 22 31	18°42'54	19°40	12°59	0♏34	11°36	5° 7	22° 6	17°35	18°45	25°13	18°15	19°18	26°37	1°23	T 4
W 5	23 26 27	19°41'42	3♌11	14°50	1°43	12°12	5°19	22°11	17°34	18°47	25°13	18° 9	19°14	26°44	1°27	W 5
T 6	23 30 24	20°40'31	17° 9	16°41	2°52	12°47	5°32	22°17	17°33	18°49	25°13	18° 1	19°11	26°51	1°31	T 6
F 7	23 34 21	21°39'24	1♍35	18°31	4° 2	13°21	5°45	22°22	17°32	18°51	25°13	17°52	19° 8	26°57	1°34	F 7
S 8	23 38 17	22°38'18	16°21	20°20	5°11	13°56	5°58	22°27	17°30	18°53	25°13	17°43	19° 5	27° 4	1°38	S 8
S 9	23 42 14	23°37'14	1♎20	22° 9	6°20	14°31	6°11	22°32	17°29	18°55	25°14	17°36	19° 2	27°11	1°42	S 9
M10	23 46 10	24°36'12	16°24	23°57	7°29	15° 5	6°23	22°37	17°28	18°57	25°14	17°30	18°59	27°17	1°47	M10
T 11	23 50 7	25°35'12	1♏21	25°44	8°38	15°40	6°36	22°42	17°27	18°59	25°14	17°27	18°55	27°24	1°51	T 11
W12	23 54 3	26°34'14	16° 6	27°30	9°47	16°14	6°49	22°47	17°26	19° 0	25°15	17°D26	18°52	27°31	1°55	W12
T 13	23 58 0	27°33'18	0♐33	29°16	10°55	16°48	7° 1	22°52	17°24	19° 2	25°15	17°26	18°49	27°37	1°59	T 13
F 14	0 1 56	28°32'24	14°39	1♎ 0	12° 4	17°22	7°14	22°56	17°23	19° 4	25°16	17°27	18°46	27°44	2° 4	F 14
S 15	0 5 53	29°31'32	28°24	2°44	13°12	17°56	7°26	23° 1	17°21	19° 6	25°16	17°R28	18°43	27°51	2° 8	S 15
S 16	0 9 49	0♎30'41	11♑49	4°27	14°21	18°29	7°39	23° 5	17°20	19° 8	25°17	17°27	18°40	27°57	2°13	S 16
M17	0 13 46	1°29'52	24°55	6° 9	15°29	19° 3	7°51	23°10	17°19	19° 9	25°17	17°25	18°36	28° 4	2°17	M17
T 18	0 17 43	2°29'05	7♒46	7°51	16°37	19°36	8° 4	23°14	17°17	19°11	25°18	17°20	18°33	28°11	2°22	T 18
W19	0 21 39	3°28'20	20°22	9°31	17°45	20° 9	8°16	23°18	17°15	19°13	25°18	17°14	18°30	28°17	2°27	W19
T 20	0 25 36	4°27'36	2♓47	11°11	18°53	20°42	8°28	23°22	17°14	19°15	25°19	17° 6	18°27	28°24	2°32	T 20
F 21	0 29 32	5°26'55	15° 2	12°50	20° 1	21°15	8°41	23°26	17°12	19°16	25°20	16°59	18°24	28°31	2°36	F 21
S 22	0 33 29	6°26'15	27° 8	14°28	21° 8	21°48	8°53	23°30	17°10	19°18	25°20	16°51	18°20	28°37	2°41	S 22
S 23	0 37 25	7°25'37	9♈ 6	16° 5	22°16	22°20	9° 5	23°34	17° 9	19°20	25°21	16°45	18°17	28°44	2°46	S 23
M24	0 41 22	8°25'02	20°58	17°42	23°23	22°53	9°17	23°38	17° 7	19°21	25°22	16°40	18°14	28°50	2°51	M24
T 25	0 45 18	9°24'29	2♉47	19°18	24°30	23°25	9°29	23°42	17° 5	19°23	25°23	16°37	18°11	28°57	2°57	T 25
W26	0 49 15	10°23'58	14°33	20°53	25°37	23°57	9°42	23°45	17° 3	19°24	25°24	16°D36	18° 8	29° 4	3° 2	W26
T 27	0 53 12	11°23'29	26°22	22°28	26°44	24°29	9°54	23°49	17° 1	19°26	25°24	16°36	18° 5	29°10	3° 7	T 27
F 28	0 57 8	12°23'02	8♊15	24° 2	27°51	25° 1	10° 6	23°52	16°59	19°27	25°25	16°38	18° 1	29°17	3°12	F 28
S 29	1 1 5	13°22'38	20°17	25°35	28°57	25°32	10°17	23°56	16°58	19°29	25°26	16°39	17°58	29°24	3°18	S 29
S 30	1 5 1	14♎22'16	2♋33	27♎ 8	0♐ 4	26♋ 4	10♍29	23♋59	16♉56	19♌30	25♐27	16♏41	17♏55	29♈30	3♐23	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n38	20n16	2s 2	10n32	1n50	11s19	0s54	23n44	0n34	10n49	0n59	21n44	0s 1	16n50	0s20	15n42	0n26	19s18	4n 9	17s22	17s40	12n 4	16s21	4n13
S 2	5 15	20 25	2 59	9 49	1 50	11 47	0 58	23 43	0 35	10 45	0 59	21 43	0 1	16 50	0 20	15 42	0 26	19 19	4 8	17 21	17 39	12 6	16 22	4 12
M 3	4 52	19 33	3 49	9 6	1 49	12 16	1 2	23 41	0 37	10 40	0 59	21 43	0 1	16 49	0 20	15 41	0 26	19 19	4 8	17 21	17 38	12 8	16 23	4 12
T 4	4 29	17 39	4 29	8 22	1 47	12 44	1 6	23 39	0 38	10 35	0 59	21 42	0 1	16 49	0 20	15 41	0 26	19 19	4 8	17 20	17 37	12 10	16 24	4 12
W 5	4 6	14 44	4 55	7 36	1 45	13 12	1 10	23 37	0 39	10 31	0 59	21 41	0 1	16 49	0 20	15 40	0 26	19 19	4 8	17 18	17 36	12 11	16 25	4 12
T 6	3 43	10 54	5 6	6 51	1 42	13 40	1 14	23 35	0 40	10 26	0 59	21 40	0 1	16 48	0 20	15 39	0 26	19 19	4 7	17 16	17 35	12 13	16 26	4 12
F 7	3 19	6 20	4 57	6 5	1 39	14 8	1 18	23 32	0 41	10 21	0 59	21 39	0 1	16 48	0 20	15 39	0 26	19 20	4 7	17 13	17 34	12 15	16 27	4 11
S 8	2 56	1 17	4 29	5 18	1 36	14 35	1 22	23 30	0 42	10 17	0 59	21 39	0 1	16 48	0 20	15 38	0 26	19 20	4 7	17 11	17 34	12 16	16 28	4 11
S 9	2 33	3s55	3 42	4 32	1 32	15 2	1 26	23 27	0 43	10 12	0 59	21 38	0 0	16 48	0 20	15 38	0 26	19 20	4 7	17 9	17 33	12 18	16 29	4 11
M10	2 9	8 55	2 39	3 45	1 27	15 28	1 30	23 24	0 44	10 7	0 59	21 37	0 0	16 47	0 20	15 37	0 26	19 20	4 7	17 7	17 32	12 19	16 30	4 11
T 11	1 46	13 20	1 26	2 58	1 22	15 55	1 34	23 21	0 45	10 3	1 0	21 37	0 0	16 47	0 20	15 36	0 26	19 21	4 6	17 6	17 31	12 21	16 31	4 11
W12	1 22	16 50	0 7	2 11	1 17	16 20	1 37	23 18	0 46	9 58	1 0	21 36	0 0	16 46	0 20	15 36	0 26	19 21	4 6	17 6	17 30	12 23	16 32	4 10
T 13	0 59	19 12	1n10	1 24	1 12	16 46	1 41	23 15	0 47	9 54	1 0	21 35	0 0	16 46	0 20	15 35	0 26	19 21	4 6	17 6	17 29	12 24	16 33	4 10
F 14	0 35	20 18	2 22	0 37	1 7	17 11	1 45	23 12	0 49	9 49	1 0	21 34	0 0	16 46	0 20	15 35	0 26	19 21	4 6	17 6	17 28	12 26	16 34	4 10
S 15	0 11	20 8	3 23	0s10	1 1	17 36	1 49	23 9	0 50	9 44	1 0	21 34	0n 0	16 45	0 20	15 34	0 26	19 22	4 5	17 7	17 27	12 28	16 35	4 10
S 16	0s12	18 50	4 11	0 56	0 55	18 0	1 53	23 5	0 51	9 40	1 0	21 33	0 0	16 45	0 20	15 34	0 26	19 22	4 5	17 6	17 27	12 29	16 36	4 10
M17	0 36	16 33	4 46	1 42	0 49	18 24	1 57	23 2	0 52	9 35	1 0	21 32	0 0	16 44	0 20	15 33	0 26	19 22	4 5	17 6	17 26	12 31	16 37	4 10
T 18	1 0	13 29	5 5	2 28	0 43	18 48	2 1	22 58	0 53	9 31	1 0	21 32	0 0	16 44	0 20	15 33	0 26	19 22	4 5	17 4	17 25	12 33	16 38	4 9
W19	1 23	9 52	5 8	3 14	0 36	19 11	2 5	22 55	0 54	9 26	1 0	21 31	0 0	16 44	0 20	15 32	0 26	19 23	4 4	17 3	17 24	12 34	16 39	4 9
T 20	1 47	5 53	4 58	3 59	0 30	19 34	2 8	22 51	0 56	9 22	1 1	21 31	0 1	16 43	0 20	15 32	0 26	19 23	4 4	17 1	17 23	12 36	16 41	4 9
F 21	2 10	1 43	4 33	4 44	0 23	19 56	2 12	22 47	0 57	9 17	1 1	21 30	0 1	16 43	0 20	15 31	0 26	19 23	4 4	16 58	17 22	12 37	16 42	4 9
S 22	2 34	2n28	3 57	5 28	0 16	20 18	2 16	22 43	0 58	9 12	1 1	21 29	0 1	16 42	0 20	15 31	0 26	19 23	4 4	16 56	17 21	12 39	16 43	4 9
S 23	2 58	6 32	3 10	6 12	0 10	20 39	2 19	22 39	0 59	9 8	1 1	21 29	0 1	16 42	0 20	15 30	0 26	19 24	4 4	16 54	17 20	12 41	16 44	4 9
M24	3 21	10 18	2 15	6 56	0 3	21 0	2 23	22 35	1 0	9 4	1 1	21 28	0 1	16 41	0 20	15 30	0 26	19 24	4 3	16 53	17 20	12 42	16 45	4 8
T 25	3 45	13 39	1 15	7 39	0s 4	21 20	2 27	22 30	1 2	8 59	1 1	21 28	0 1	16 41	0 20	15 29	0 26	19 24	4 3	16 52	17 19	12 44	16 46	4 8
W26	4 8	16 27	0 11	8 21	0 11	21 40	2 30	22 26	1 3	8 55	1 1	21 27	0 1	16 40	0 20	15 29	0 26	19 24	4 3	16 52	17 18	12 45	16 47	4 8
T 27	4 31	18 33	0s53	9 3	0 18	21 59	2 33	22 21	1 4	8 50	1 1	21 27	0 1	16 40	0 20	15 28	0 27	19 25	4 3	16 52	17 17	12 47	16 48	4 8
F 28	4 55	19 52	1 56	9 44	0 25	22 18	2 37	22 17	1 5	8 46	1 1	21 26	0 1	16 39	0 20	15 28	0 27	19 25	4 2	16 52	17 16	12 49	16 49	4 8
S 29	5 18	20 17	2 54	10 25	0 32	22 36	2 40	22 12	1 7	8 41	1 2	21 26	0 1	16 38	0 20	15 27	0 27	19 25	4 2	16 53	17 15	12 50	16 51	4 8
S 30	5s41	19n45	3s46	11s 5	0s38	22s54	2s43	22n 8	1n 8	8n37	1n 2	21n25	0n 2	16n38	0s20	15n27	0n27	19s25	4n 2	16s53	17s14	12n52	16s52	4n 8

Julian Day Number = 2184438.5, Delta T = 11m14s
Ecliptic obliquity = 23°31'58, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'29, Lahiri = 13°39'29 Julian Calendar 1 Sept. 1268 == Greg. Calendar 8 Sept. 1268

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ASTRODIENST EPHEMERIS for the year 1268
geocentric

OCTOBER 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 8 58	15♎21'56	15♋ 8	28♎40	1♐10	26♋35	10♍41	24♋ 2	16°R54	19♌32	25♐28	16°R41	17♏52	29♈37	3♐29	M 1
T 2	1 12 54	16°21'39	28° 5	0♏12	2°16	27° 6	10°53	24° 5	16♉52	19°33	25°29	16♏41	17°49	29°44	3°34	T 2
W 3	1 16 51	17°21'23	11♌29	1°42	3°22	27°36	11° 4	24° 8	16°49	19°35	25°30	16°39	17°45	29°50	3°40	W 3
T 4	1 20 47	18°21'11	25°21	3°13	4°28	28° 7	11°16	24°11	16°47	19°36	25°31	16°36	17°42	29°57	3°46	T 4
F 5	1 24 44	19°21'00	9♍41	4°42	5°33	28°37	11°28	24°13	16°45	19°37	25°32	16°32	17°39	0♉ 4	3°51	F 5
S 6	1 28 41	20°20'51	24°26	6°11	6°38	29° 8	11°39	24°16	16°43	19°39	25°33	16°28	17°36	0°10	3°57	S 6
S 7	1 32 37	21°20'45	9♎29	7°40	7°44	29°38	11°51	24°18	16°41	19°40	25°34	16°25	17°33	0°17	4° 3	S 7
M 8	1 36 34	22°20'41	24°42	9° 8	8°48	0♌ 7	12° 2	24°21	16°39	19°41	25°36	16°22	17°30	0°24	4° 9	M 8
T 9	1 40 30	23°20'38	9♏55	10°35	9°53	0°37	12°13	24°23	16°36	19°42	25°37	16°D21	17°26	0°30	4°15	T 9
W10	1 44 27	24°20'38	24°57	12° 2	10°58	1° 6	12°24	24°25	16°34	19°43	25°38	16°21	17°23	0°37	4°21	W10
T 11	1 48 23	25°20'39	9♐42	13°27	12° 2	1°35	12°36	24°27	16°32	19°45	25°39	16°22	17°20	0°44	4°27	T 11
F 12	1 52 20	26°20'43	24° 3	14°53	13° 6	2° 4	12°47	24°29	16°30	19°46	25°41	16°24	17°17	0°50	4°33	F 12
S 13	1 56 16	27°20'47	7♑59	16°17	14°10	2°33	12°58	24°31	16°27	19°47	25°42	16°25	17°14	0°57	4°39	S 13
S 14	2 0 13	28°20'54	21°29	17°41	15°13	3° 1	13° 9	24°33	16°25	19°48	25°43	16°26	17°11	1° 4	4°45	S 14
M15	2 4 10	29°21'02	4♒36	19° 4	16°16	3°29	13°19	24°35	16°23	19°49	25°45	16°R26	17° 7	1°10	4°51	M15
T 16	2 8 6	0♏21'11	17°22	20°26	17°19	3°57	13°30	24°36	16°20	19°50	25°46	16°25	17° 4	1°17	4°57	T 16
W17	2 12 3	1°21'22	29°50	21°46	18°22	4°25	13°41	24°38	16°18	19°51	25°47	16°24	17° 1	1°23	5° 4	W17
T 18	2 15 59	2°21'34	12♓ 5	23° 6	19°24	4°52	13°51	24°39	16°15	19°52	25°49	16°22	16°58	1°30	5°10	T 18
F 19	2 19 56	3°21'48	24° 8	24°25	20°26	5°19	14° 2	24°40	16°13	19°53	25°50	16°20	16°55	1°37	5°16	F 19
S 20	2 23 52	4°22'04	6♈ 4	25°42	21°28	5°46	14°12	24°41	16°11	19°54	25°52	16°18	16°51	1°43	5°23	S 20
S 21	2 27 49	5°22'21	17°56	26°58	22°29	6°13	14°23	24°42	16° 8	19°54	25°53	16°16	16°48	1°50	5°29	S 21
M22	2 31 45	6°22'41	29°44	28°13	23°30	6°39	14°33	24°43	16° 6	19°55	25°55	16°15	16°45	1°57	5°36	M22
T 23	2 35 42	7°23'01	11♉32	29°25	24°31	7° 5	14°43	24°44	16° 3	19°56	25°56	16°D15	16°42	2° 3	5°42	T 23
W24	2 39 38	8°23'24	23°22	0♐36	25°31	7°31	14°53	24°44	16° 1	19°57	25°58	16°15	16°39	2°10	5°49	W24
T 25	2 43 35	9°23'48	5♊16	1°44	26°31	7°56	15° 3	24°45	15°58	19°58	25°59	16°15	16°36	2°17	5°55	T 25
F 26	2 47 32	10°24'14	17°16	2°50	27°30	8°22	15°13	24°45	15°56	19°58	26° 1	16°16	16°32	2°23	6° 2	F 26
S 27	2 51 28	11°24'42	29°25	3°54	28°29	8°46	15°23	24°46	15°53	19°59	26° 3	16°16	16°29	2°30	6° 8	S 27
S 28	2 55 25	12°25'12	11♋46	4°53	29°28	9°11	15°32	24°46	15°51	19°59	26° 4	16°17	16°26	2°37	6°15	S 28
M29	2 59 21	13°25'43	24°22	5°50	0♑26	9°35	15°42	24°R46	15°48	20° 0	26° 6	16°17	16°23	2°43	6°22	M29
T 30	3 3 18	14°26'17	7♌17	6°42	1°23	9°59	15°51	24°46	15°46	20° 1	26° 8	16°17	16°20	2°50	6°28	T 30
W31	3 7 14	15♏26'52	20♌33	7♐30	2♑20	10♌23	16♍ 0	24♋46	15♉43	20♌ 1	26♐ 9	16°R17	16♏17	2♉57	6♐35	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6s 4	18n14	4s28	11s45	0s45	23s11	2s47	22n 3	1n 9	8n33	1n 2	21n25	0n 2	16n37	0s20	15n26	0n27	19s26	4n 2	16s53	17s13	12n53	16s53	4n 7
T 2	6 27	15 46	4 58	12 24	0 52	23 28	2 50	21 58	1 10	8 28	1 2	21 24	0 2	16 37	0 20	15 26	0 27	19 26	4 2	16 53	17 12	12 55	16 54	4 7
W 3	6 50	12 23	5 13	13 2	0 59	23 44	2 53	21 54	1 12	8 24	1 2	21 24	0 2	16 36	0 20	15 26	0 27	19 26	4 1	16 53	17 12	12 57	16 55	4 7
T 4	7 13	8 15	5 10	13 39	1 5	24 0	2 56	21 49	1 13	8 20	1 2	21 24	0 2	16 36	0 20	15 25	0 27	19 26	4 1	16 52	17 11	12 58	16 56	4 7
F 5	7 36	3 30	4 49	14 16	1 12	24 15	2 59	21 44	1 14	8 15	1 2	21 23	0 2	16 35	0 20	15 25	0 27	19 27	4 1	16 51	17 10	13 0	16 57	4 7
S 6	7 59	1s35	4 8	14 52	1 18	24 29	3 2	21 39	1 16	8 11	1 3	21 23	0 2	16 34	0 20	15 24	0 27	19 27	4 1	16 50	17 9	13 1	16 59	4 7
S 7	8 21	6 40	3 9	15 27	1 25	24 43	3 4	21 34	1 17	8 7	1 3	21 22	0 2	16 34	0 20	15 24	0 27	19 27	4 0	16 49	17 8	13 3	17 0	4 7
M 8	8 44	11 25	1 57	16 2	1 31	24 56	3 7	21 29	1 18	8 3	1 3	21 22	0 2	16 33	0 20	15 24	0 27	19 27	4 0	16 48	17 7	13 4	17 1	4 7
T 9	9 6	15 24	0 35	16 35	1 37	25 8	3 9	21 24	1 20	7 58	1 3	21 22	0 2	16 32	0 20	15 23	0 27	19 28	4 0	16 48	17 6	13 6	17 2	4 7
W10	9 28	18 19	0n47	17 8	1 43	25 20	3 12	21 19	1 21	7 54	1 3	21 22	0 3	16 32	0 20	15 23	0 27	19 28	4 0	16 48	17 5	13 8	17 3	4 7
T 11	9 50	19 55	2 5	17 40	1 49	25 32	3 14	21 14	1 23	7 50	1 3	21 21	0 3	16 31	0 20	15 23	0 27	19 28	4 0	16 48	17 4	13 9	17 4	4 7
F 12	10 12	20 10	3 14	18 11	1 54	25 42	3 16	21 8	1 24	7 46	1 4	21 21	0 3	16 30	0 20	15 22	0 27	19 28	3 59	16 48	17 3	13 11	17 6	4 6
S 13	10 34	19 10	4 8	18 41	2 0	25 53	3 19	21 3	1 25	7 42	1 4	21 21	0 3	16 30	0 20	15 22	0 27	19 29	3 59	16 49	17 3	13 12	17 7	4 6
S 14	10 56	17 5	4 47	19 10	2 5	26 2	3 21	20 58	1 27	7 38	1 4	21 21	0 3	16 29	0 20	15 22	0 27	19 29	3 59	16 49	17 2	13 14	17 8	4 6
M15	11 17	14 10	5 10	19 38	2 10	26 11	3 23	20 53	1 28	7 34	1 4	21 20	0 3	16 28	0 20	15 21	0 27	19 29	3 59	16 49	17 1	13 15	17 9	4 6
T 16	11 38	10 40	5 17	20 5	2 14	26 19	3 24	20 48	1 30	7 30	1 4	21 20	0 3	16 28	0 20	15 21	0 27	19 29	3 59	16 49	17 0	13 17	17 10	4 6
W17	11 59	6 46	5 8	20 31	2 19	26 27	3 26	20 43	1 31	7 26	1 4	21 20	0 3	16 27	0 20	15 21	0 27	19 30	3 58	16 48	16 59	13 18	17 11	4 6
T 18	12 20	2 40	4 45	20 55	2 23	26 33	3 28	20 37	1 33	7 22	1 5	21 20	0 3	16 26	0 20	15 20	0 27	19 30	3 58	16 48	16 58	13 20	17 12	4 6
F 19	12 41	1n30	4 11	21 19	2 26	26 40	3 29	20 32	1 34	7 18	1 5	21 20	0 3	16 26	0 20	15 20	0 27	19 30	3 58	16 47	16 57	13 21	17 14	4 6
S 20	13 2	5 33	3 25	21 41	2 30	26 45	3 30	20 27	1 36	7 14	1 5	21 20	0 4	16 25	0 20	15 20	0 27	19 30	3 58	16 47	16 56	13 23	17 15	4 6
S 21	13 22	9 23	2 31	22 2	2 33	26 50	3 32	20 22	1 37	7 10	1 5	21 20	0 4	16 24	0 20	15 20	0 27	19 31	3 58	16 46	16 55	13 24	17 16	4 6
M22	13 42	12 50	1 30	22 22	2 35	26 55	3 33	20 17	1 39	7 7	1 5	21 20	0 4	16 24	0 20	15 19	0 27	19 31	3 57	16 46	16 54	13 26	17 17	4 6
T 23	14 2	15 46	0 26	22 40	2 37	26 58	3 34	20 12	1 40	7 3	1 5	21 20	0 4	16 23	0 20	15 19	0 27	19 31	3 57	16 46	16 54	13 27	17 18	4 6
W24	14 21	18 3	0s40	22 57	2 39	27 1	3 34	20 6	1 42	6 59	1 6	21 20	0 4	16 22	0 20	15 19	0 27	19 31	3 57	16 46	16 53	13 29	17 19	4 6
T 25	14 41	19 34	1 44	23 12	2 40	27 4	3 35	20 1	1 44	6 55	1 6	21 20	0 4	16 21	0 20	15 19	0 27	19 32	3 57	16 46	16 52	13 30	17 20	4 6
F 26	15 0	20 12	2 44	23 26	2 41	27 6	3 35	19 56	1 45	6 52	1 6	21 20	0 4	16 21	0 20	15 19	0 27	19 32	3 57	16 46	16 51	13 32	17 22	4 6
S 27	15 19	19 54	3 38	23 38	2 40	27 7	3 36	19 51	1 47	6 48	1 6	21 20	0 4	16 20	0 20	15 18	0 27	19 32	3 56	16 46	16 50	13 33	17 23	4 6
S 28	15 37	18 39	4 22	23 49	2 40	27 8	3 36	19 46	1 49	6 45	1 6	21 20	0 4	16 19	0 20	15 18	0 27	19 32	3 56	16 46	16 49	13 35	17 24	4 6
M29	15 56	16 29	4 55	23 57	2 38	27 8	3 36	19 41	1 50	6 41	1 7	21 20	0 5	16 19	0 20	15 18	0 27	19 32	3 56	16 46	16 48	13 36	17 25	4 6
T 30	16 14	13 27	5 14	24 4	2 35	27 7	3 35	19 36	1 52	6 38	1 7	21 20	0 5	16 18	0 20	15 18	0 27	19 33	3 56	16 46	16 47	13 38	17 26	4 6
W31	16s32	9n41	5s17	24s 9	2s32	27s 6	3s35	19n32	1n54	6n34	1n 7	21n20	0n 5	16n17	0s20	15n18	0n27	19s33	3n56	16s46	16s46	13n39	17s27	4n 6

Julian Day Number = 2184468.5, Delta T = 11m14s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'33, Lahiri = 13°39'33 Julian Calendar 1 Oct. 1268 == Greg. Calendar 8 Oct. 1268

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ASTRODIENST EPHEMERIS for the year 1268
geocentric

NOVEMBER 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 11 11	16♏27'29	4♍14	8♐12	3♑17	10♘46	16♍10	24°R46	15°R41	20♘ 2	26♐11	16°D17	16♏13	3♉ 3	6♐42	T 1
F 2	3 15 7	17°28'08	18°19	8°49	4°13	11° 9	16°19	24♋45	15♉38	20° 2	26°13	16♏17	16°10	3°10	6°49	F 2
S 3	3 19 4	18°28'48	2♎48	9°19	5° 9	11°32	16°28	24°45	15°36	20° 2	26°15	16°17	16° 7	3°16	6°55	S 3
S 4	3 23 1	19°29'30	17°38	9°42	6° 4	11°54	16°37	24°44	15°33	20° 3	26°16	16°18	16° 4	3°23	7° 2	S 4
M 5	3 26 57	20°30'14	2♏42	9°57	6°58	12°16	16°46	24°43	15°31	20° 3	26°18	16°18	16° 1	3°30	7° 9	M 5
T 6	3 30 54	21°30'59	17°52	10°R 3	7°52	12°37	16°54	24°43	15°28	20° 4	26°20	16°R18	15°57	3°36	7°16	T 6
W 7	3 34 50	22°31'46	2♐58	10° 0	8°45	12°58	17° 3	24°42	15°26	20° 4	26°22	16°18	15°54	3°43	7°23	W 7
T 8	3 38 47	23°32'34	17°52	9°46	9°38	13°19	17°11	24°41	15°23	20° 4	26°24	16°17	15°51	3°50	7°30	T 8
F 9	3 42 43	24°33'23	2♑26	9°22	10°30	13°39	17°19	24°39	15°21	20° 4	26°26	16°16	15°48	3°56	7°37	F 9
S 10	3 46 40	25°34'13	16°35	8°46	11°21	13°59	17°28	24°38	15°18	20° 4	26°27	16°15	15°45	4° 3	7°43	S 10
S 11	3 50 36	26°35'04	0♒16	8° 0	12°11	14°18	17°36	24°37	15°16	20° 5	26°29	16°14	15°42	4°10	7°50	S 11
M12	3 54 33	27°35'56	13°30	7° 3	13° 1	14°37	17°44	24°35	15°13	20° 5	26°31	16°13	15°38	4°16	7°57	M12
T 13	3 58 30	28°36'49	26°19	5°57	13°49	14°56	17°51	24°34	15°11	20° 5	26°33	16°D13	15°35	4°23	8° 4	T 13
W14	4 2 26	29°37'43	8♓47	4°44	14°37	15°14	17°59	24°32	15° 9	20° 5	26°35	16°13	15°32	4°30	8°11	W14
T 15	4 6 23	0♐38'38	20°58	3°24	15°24	15°32	18° 6	24°30	15° 6	20°R 5	26°37	16°14	15°29	4°36	8°18	T 15
F 16	4 10 19	1°39'33	2♈57	2° 2	16°10	15°49	18°14	24°28	15° 4	20° 5	26°39	16°15	15°26	4°43	8°25	F 16
S 17	4 14 16	2°40'29	14°49	0°39	16°55	16° 6	18°21	24°26	15° 1	20° 5	26°41	16°17	15°22	4°50	8°32	S 17
S 18	4 18 12	3°41'26	26°36	29♏19	17°39	16°22	18°28	24°24	14°59	20° 5	26°43	16°18	15°19	4°56	8°39	S 18
M19	4 22 9	4°42'24	8♉24	28° 4	18°22	16°38	18°35	24°22	14°57	20° 4	26°45	16°19	15°16	5° 3	8°46	M19
T 20	4 26 5	5°43'23	20°14	26°56	19° 4	16°53	18°42	24°20	14°54	20° 4	26°47	16°R19	15°13	5°10	8°53	T 20
W21	4 30 2	6°44'22	2♊10	25°58	19°45	17° 8	18°49	24°17	14°52	20° 4	26°49	16°18	15°10	5°16	9° 0	W21
T 22	4 33 59	7°45'23	14°14	25° 9	20°25	17°22	18°55	24°15	14°50	20° 4	26°51	16°16	15° 7	5°23	9° 7	T 22
F 23	4 37 55	8°46'24	26°26	24°32	21° 3	17°36	19° 1	24°12	14°48	20° 4	26°53	16°13	15° 3	5°29	9°14	F 23
S 24	4 41 52	9°47'26	8♋49	24° 6	21°40	17°49	19° 8	24° 9	14°45	20° 3	26°55	16° 9	15° 0	5°36	9°21	S 24
S 25	4 45 48	10°48'29	21°24	23°52	22°16	18° 1	19°14	24° 6	14°43	20° 3	26°57	16° 5	14°57	5°43	9°28	S 25
M26	4 49 45	11°49'33	4♌12	23°D48	22°50	18°13	19°20	24° 4	14°41	20° 3	26°59	16° 1	14°54	5°49	9°35	M26
T 27	4 53 41	12°50'38	17°14	23°53	23°23	18°25	19°25	24° 1	14°39	20° 2	27° 2	15°58	14°51	5°56	9°42	T 27
W28	4 57 38	13°51'44	0♍31	24° 8	23°54	18°36	19°31	23°57	14°37	20° 2	27° 4	15°56	14°48	6° 3	9°49	W28
T 29	5 1 34	14°52'50	14° 6	24°32	24°24	18°46	19°37	23°54	14°35	20° 1	27° 6	15°D55	14°44	6° 9	9°56	T 29
F 30	5 5 31	15♐53'58	27♍58	25♏ 3	24♑52	18♘55	19♍42	23♋51	14♉33	20♘ 1	27♐ 8	15♏56	14♏41	6♉16	10♐ 3	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s49	5n18	5s 3	24s11	2s28	27s 4	3s34	19n27	1n55	6n31	1n 7	21n20	0n 5	16n16	0s20	15n18	0n27	19s33	3n56	16s46	16s45	13n41	17s28	4n 6
F 2	17 7	0 30	4 30	24 12	2 22	27 1	3 34	19 22	1 57	6 27	1 7	21 20	0 5	16 16	0 20	15 18	0 27	19 33	3 55	16 46	16 44	13 42	17 29	4 6
S 3	17 24	4s28	3 39	24 10	2 15	26 58	3 33	19 18	1 59	6 24	1 8	21 21	0 5	16 15	0 20	15 18	0 27	19 34	3 55	16 46	16 43	13 44	17 30	4 6
S 4	17 40	9 18	2 33	24 5	2 7	26 55	3 31	19 13	2 0	6 21	1 8	21 21	0 5	16 14	0 20	15 17	0 27	19 34	3 55	16 47	16 43	13 45	17 31	4 6
M 5	17 57	13 38	1 15	23 58	1 58	26 51	3 30	19 9	2 2	6 17	1 8	21 21	0 5	16 14	0 20	15 17	0 27	19 34	3 55	16 47	16 42	13 47	17 32	4 6
T 6	18 13	17 5	0n 9	23 49	1 47	26 46	3 28	19 4	2 4	6 14	1 8	21 21	0 5	16 13	0 20	15 17	0 28	19 34	3 55	16 47	16 41	13 48	17 34	4 6
W 7	18 28	19 20	1 31	23 36	1 35	26 41	3 27	19 0	2 6	6 11	1 8	21 22	0 6	16 12	0 20	15 17	0 28	19 34	3 55	16 47	16 40	13 50	17 35	4 6
T 8	18 44	20 12	2 47	23 20	1 21	26 35	3 25	18 56	2 8	6 8	1 9	21 22	0 6	16 11	0 20	15 17	0 28	19 35	3 54	16 46	16 39	13 51	17 36	4 6
F 9	18 59	19 41	3 49	23 2	1 6	26 29	3 22	18 52	2 10	6 5	1 9	21 22	0 6	16 11	0 20	15 17	0 28	19 35	3 54	16 46	16 38	13 53	17 37	4 6
S 10	19 14	17 56	4 36	22 39	0 49	26 22	3 20	18 48	2 11	6 2	1 9	21 23	0 6	16 10	0 20	15 17	0 28	19 35	3 54	16 46	16 37	13 54	17 38	4 6
S 11	19 28	15 12	5 5	22 14	0 31	26 15	3 17	18 44	2 13	5 59	1 9	21 23	0 6	16 9	0 20	15 17	0 28	19 35	3 54	16 46	16 36	13 56	17 39	4 7
M12	19 42	11 46	5 17	21 46	0 12	26 7	3 14	18 40	2 15	5 56	1 10	21 23	0 6	16 9	0 20	15 17	0 28	19 36	3 54	16 45	16 35	13 57	17 40	4 7
T 13	19 56	7 53	5 13	21 15	0n 8	25 59	3 11	18 36	2 17	5 53	1 10	21 24	0 6	16 8	0 20	15 17	0 28	19 36	3 54	16 45	16 34	13 58	17 41	4 7
W14	20 9	3 46	4 53	20 42	0 29	25 50	3 8	18 33	2 19	5 51	1 10	21 24	0 6	16 7	0 20	15 17	0 28	19 36	3 53	16 45	16 33	14 0	17 42	4 7
T 15	20 22	0n24	4 21	20 7	0 49	25 41	3 4	18 29	2 21	5 48	1 10	21 25	0 6	16 6	0 20	15 17	0 28	19 36	3 53	16 45	16 32	14 1	17 43	4 7
F 16	20 34	4 31	3 38	19 31	1 9	25 31	3 0	18 26	2 23	5 45	1 11	21 25	0 7	16 6	0 20	15 17	0 28	19 36	3 53	16 46	16 31	14 3	17 44	4 7
S 17	20 47	8 24	2 46	18 56	1 28	25 22	2 56	18 23	2 25	5 43	1 11	21 25	0 7	16 5	0 20	15 17	0 28	19 37	3 53	16 46	16 31	14 4	17 45	4 7
S 18	20 58	11 58	1 47	18 22	1 45	25 11	2 51	18 20	2 27	5 40	1 11	21 26	0 7	16 4	0 20	15 17	0 28	19 37	3 53	16 47	16 30	14 6	17 46	4 7
M19	21 10	15 3	0 44	17 51	2 1	25 1	2 46	18 17	2 29	5 37	1 11	21 26	0 7	16 4	0 20	15 17	0 28	19 37	3 53	16 47	16 29	14 7	17 46	4 7
T 20	21 21	17 32	0s22	17 22	2 14	24 50	2 41	18 14	2 31	5 35	1 12	21 27	0 7	16 3	0 20	15 17	0 28	19 37	3 53	16 47	16 28	14 8	17 47	4 8
W21	21 31	19 16	1 27	16 58	2 26	24 38	2 36	18 12	2 33	5 33	1 12	21 28	0 7	16 2	0 20	15 17	0 28	19 37	3 52	16 47	16 27	14 10	17 48	4 8
T 22	21 41	20 9	2 28	16 38	2 34	24 27	2 30	18 9	2 35	5 30	1 12	21 28	0 7	16 2	0 20	15 18	0 28	19 37	3 52	16 46	16 26	14 11	17 49	4 8
F 23	21 51	20 5	3 24	16 22	2 41	24 15	2 24	18 7	2 38	5 28	1 12	21 29	0 7	16 1	0 20	15 18	0 28	19 38	3 52	16 45	16 25	14 13	17 50	4 8
S 24	22 0	19 4	4 10	16 12	2 46	24 3	2 18	18 5	2 40	5 26	1 13	21 29	0 7	16 1	0 20	15 18	0 28	19 38	3 52	16 44	16 24	14 14	17 51	4 8
S 25	22 9	17 7	4 46	16 5	2 49	23 50	2 11	18 3	2 42	5 24	1 13	21 30	0 8	16 0	0 20	15 18	0 28	19 38	3 52	16 43	16 23	14 15	17 52	4 8
M26	22 18	14 18	5 8	16 3	2 50	23 37	2 4	18 2	2 44	5 22	1 13	21 31	0 8	15 59	0 20	15 18	0 28	19 38	3 52	16 42	16 22	14 17	17 53	4 8
T 27	22 26	10 44	5 14	16 5	2 49	23 25	1 56	18 0	2 46	5 19	1 13	21 31	0 8	15 59	0 20	15 18	0 28	19 38	3 52	16 41	16 21	14 18	17 54	4 9
W28	22 33	6 35	5 4	16 11	2 47	23 12	1 49	17 59	2 49	5 18	1 14	21 32	0 8	15 58	0 20	15 18	0 28	19 39	3 51	16 40	16 20	14 20	17 54	4 9
T 29	22 40	2 1	4 37	16 19	2 44	22 58	1 41	17 58	2 51	5 16	1 14	21 32	0 8	15 57	0 20	15 19	0 28	19 39	3 51	16 40	16 19	14 21	17 55	4 9
F 30	22s47	2s46	3s54	16s31	2n40	22s45	1s32	17n57	2n53	5n14	1n14	21n33	0n 8	15n57	0s20	15n19	0n28	19s39	3n51	16s40	16s18	14n22	17s56	4n 9

Julian Day Number = 2184499.5, Delta T = 11m14s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'37, Lahiri = 13°39'37 Julian Calendar 1 Nov. 1268 == Greg. Calendar 8 Nov. 1268

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ASTRODIENST EPHEMERIS for the year 1268
geocentric

DECEMBER 1268 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 9 28	16♐55'06	12♎ 8	25♏41	25♑19	19♌ 4	19♍47	23°R48	14°R31	20°R 0	27♐10	15♏57	14♏38	6♉23	10♐10	S 1
S 2	5 13 24	17°56'15	26°36	26°25	25°43	19°13	19°52	23♋44	14♉29	20♌ 0	27°12	15°59	14°35	6°29	10°17	S 2
M 3	5 17 21	18°57'25	11♏17	27°14	26° 6	19°21	19°57	23°41	14°27	19°59	27°14	16°R 0	14°32	6°36	10°24	M 3
T 4	5 21 17	19°58'36	26° 6	28° 9	26°27	19°28	20° 1	23°37	14°25	19°58	27°16	15°59	14°28	6°43	10°31	T 4
W 5	5 25 14	20°59'47	10♐58	29° 7	26°46	19°34	20° 6	23°33	14°23	19°58	27°18	15°57	14°25	6°49	10°38	W 5
T 6	5 29 10	22° 0'59	25°44	0♐ 9	27° 3	19°40	20°10	23°30	14°21	19°57	27°21	15°53	14°22	6°56	10°45	T 6
F 7	5 33 7	23° 2'10	10♑16	1°14	27°18	19°44	20°14	23°26	14°19	19°56	27°23	15°48	14°19	7° 3	10°52	F 7
S 8	5 37 4	24° 3'23	24°29	2°22	27°31	19°49	20°18	23°22	14°17	19°56	27°25	15°42	14°16	7° 9	10°59	S 8
S 9	5 41 0	25° 4'35	8♒16	3°33	27°42	19°52	20°22	23°18	14°16	19°55	27°27	15°35	14°13	7°16	11° 5	S 9
M10	5 44 57	26° 5'47	21°37	4°46	27°50	19°55	20°26	23°14	14°14	19°54	27°29	15°29	14° 9	7°22	11°12	M10
T 11	5 48 53	27° 6'59	4♓32	6° 0	27°56	19°57	20°29	23°10	14°12	19°53	27°31	15°25	14° 6	7°29	11°19	T 11
W12	5 52 50	28° 8'10	17° 4	7°17	28° 0	19°58	20°32	23° 5	14°11	19°52	27°33	15°22	14° 3	7°36	11°26	W12
T 13	5 56 46	29° 9'22	29°17	8°35	28°R 1	19°R59	20°35	23° 1	14° 9	19°51	27°36	15°D22	14° 0	7°42	11°33	T 13
F 14	6 0 43	0♑10'33	11♈16	9°55	28° 0	19°59	20°38	22°57	14° 8	19°50	27°38	15°22	13°57	7°49	11°39	F 14
S 15	6 4 39	1°11'44	23° 7	11°15	27°56	19°58	20°41	22°53	14° 6	19°49	27°40	15°24	13°54	7°56	11°46	S 15
S 16	6 8 36	2°12'55	4♉53	12°37	27°50	19°56	20°43	22°48	14° 5	19°48	27°42	15°25	13°50	8° 2	11°53	S 16
M17	6 12 33	3°14'06	16°42	14° 0	27°41	19°53	20°46	22°44	14° 3	19°47	27°44	15°R26	13°47	8° 9	11°59	M17
T 18	6 16 29	4°15'16	28°35	15°24	27°30	19°50	20°48	22°39	14° 2	19°46	27°46	15°25	13°44	8°16	12° 6	T 18
W19	6 20 26	5°16'26	10♊39	16°48	27°16	19°46	20°50	22°35	14° 1	19°45	27°48	15°21	13°41	8°22	12°13	W19
T 20	6 24 22	6°17'36	22°53	18°14	27° 0	19°41	20°51	22°30	13°59	19°44	27°51	15°16	13°38	8°29	12°19	T 20
F 21	6 28 19	7°18'45	5♋22	19°40	26°41	19°35	20°53	22°25	13°58	19°43	27°53	15° 8	13°34	8°36	12°26	F 21
S 22	6 32 15	8°19'54	18° 4	21° 7	26°20	19°29	20°54	22°21	13°57	19°42	27°55	14°58	13°31	8°42	12°32	S 22
S 23	6 36 12	9°21'03	1♌ 0	22°35	25°56	19°21	20°56	22°16	13°56	19°41	27°57	14°48	13°28	8°49	12°39	S 23
M24	6 40 8	10°22'12	14° 9	24° 3	25°31	19°13	20°57	22°11	13°55	19°40	27°59	14°38	13°25	8°55	12°45	M24
T 25	6 44 5	11°23'20	27°29	25°32	25° 3	19° 4	20°57	22° 6	13°54	19°38	28° 1	14°29	13°22	9° 2	12°52	T 25
W26	6 48 2	12°24'28	11♍ 1	27° 1	24°34	18°54	20°58	22° 2	13°53	19°37	28° 3	14°23	13°19	9° 9	12°58	W26
T 27	6 51 58	13°25'36	24°42	28°31	24° 3	18°44	20°59	21°57	13°52	19°36	28° 5	14°19	13°15	9°15	13° 4	T 27
F 28	6 55 55	14°26'44	8♎33	0♑ 1	23°30	18°32	20°59	21°52	13°51	19°35	28° 7	14°D17	13°12	9°22	13°11	F 28
S 29	6 59 51	15°27'51	22°33	1°32	22°56	18°20	20°R59	21°47	13°50	19°33	28° 9	14°17	13° 9	9°29	13°17	S 29
S 30	7 3 48	16°28'59	6♏42	3° 4	22°21	18° 7	20°59	21°42	13°49	19°32	28°11	14°R18	13° 6	9°35	13°23	S 30
M31	7 7 44	17♑30'06	21♏ 0	4♑36	21♑45	17♌54	20♍58	21♋37	13♉48	19♌31	28♐14	14♏18	13♏ 3	9♉42	13♐29	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s53	7s30	2s55	16s44	2n35	22s31	1s23	17n56	2n55	5n12	1n14	21n34	0n 8	15n56	0s20	15n19	0n28	19s39	3n51	16s41	16s17	14n24	17s57	4n 9
S 2	22 59	11 55	1 44	17 0	2 30	22 18	1 14	17 56	2 58	5 10	1 15	21 35	0 8	15 56	0 20	15 19	0 28	19 39	3 51	16 41	16 17	14 25	17 58	4 10
M 3	23 4	15 41	0 26	17 17	2 24	22 4	1 4	17 55	3 0	5 9	1 15	21 35	0 9	15 55	0 20	15 19	0 28	19 39	3 51	16 41	16 16	14 27	17 58	4 10
T 4	23 9	18 28	0n55	17 36	2 17	21 50	0 54	17 55	3 2	5 7	1 15	21 36	0 9	15 55	0 20	15 20	0 28	19 39	3 51	16 41	16 15	14 28	17 59	4 10
W 5	23 14	20 0	2 12	17 55	2 10	21 36	0 44	17 56	3 5	5 6	1 15	21 37	0 9	15 54	0 20	15 20	0 28	19 40	3 51	16 41	16 14	14 29	18 0	4 10
T 6	23 17	20 8	3 20	18 16	2 3	21 22	0 33	17 56	3 7	5 4	1 16	21 38	0 9	15 54	0 20	15 20	0 28	19 40	3 51	16 40	16 13	14 31	18 1	4 10
F 7	23 21	18 55	4 13	18 37	1 55	21 8	0 22	17 57	3 9	5 3	1 16	21 38	0 9	15 53	0 20	15 20	0 28	19 40	3 50	16 38	16 12	14 32	18 1	4 11
S 8	23 24	16 33	4 50	18 58	1 47	20 55	0 11	17 58	3 12	5 1	1 16	21 39	0 9	15 53	0 20	15 21	0 28	19 40	3 50	16 36	16 11	14 33	18 2	4 11
S 9	23 26	13 18	5 8	19 19	1 39	20 41	0n 1	17 59	3 14	5 0	1 17	21 40	0 9	15 52	0 20	15 21	0 28	19 40	3 50	16 34	16 10	14 35	18 3	4 11
M10	23 28	9 29	5 9	19 41	1 31	20 27	0 14	18 0	3 17	4 59	1 17	21 41	0 9	15 52	0 20	15 21	0 28	19 40	3 50	16 33	16 9	14 36	18 4	4 11
T 11	23 30	5 19	4 54	20 2	1 23	20 13	0 26	18 2	3 19	4 58	1 17	21 42	0 9	15 51	0 20	15 21	0 28	19 41	3 50	16 31	16 8	14 37	18 4	4 12
W12	23 31	1 4	4 25	20 23	1 15	20 0	0 40	18 4	3 21	4 57	1 17	21 42	0 10	15 51	0 20	15 22	0 28	19 41	3 50	16 31	16 7	14 39	18 5	4 12
T 13	23 32	3n 9	3 44	20 43	1 7	19 46	0 53	18 6	3 24	4 56	1 18	21 43	0 10	15 50	0 20	15 22	0 28	19 41	3 50	16 30	16 6	14 40	18 6	4 12
F 14	23 32	7 9	2 55	21 4	0 58	19 33	1 7	18 8	3 26	4 55	1 18	21 44	0 10	15 50	0 20	15 22	0 29	19 41	3 50	16 30	16 5	14 41	18 6	4 12
S 15	23 32	10 51	1 58	21 23	0 50	19 20	1 21	18 11	3 29	4 54	1 18	21 45	0 10	15 49	0 20	15 23	0 29	19 41	3 50	16 31	16 4	14 43	18 7	4 13
S 16	23 31	14 6	0 57	21 42	0 42	19 7	1 35	18 14	3 31	4 54	1 18	21 46	0 10	15 49	0 20	15 23	0 29	19 41	3 50	16 31	16 3	14 44	18 7	4 13
M17	23 30	16 47	0s 7	22 0	0 34	18 54	1 50	18 17	3 33	4 53	1 19	21 47	0 10	15 48	0 20	15 23	0 29	19 41	3 49	16 31	16 2	14 45	18 8	4 13
T 18	23 28	18 47	1 11	22 18	0 26	18 42	2 5	18 20	3 36	4 52	1 19	21 47	0 10	15 48	0 20	15 24	0 29	19 41	3 49	16 31	16 1	14 47	18 9	4 13
W19	23 26	19 57	2 12	22 34	0 18	18 30	2 20	18 24	3 38	4 52	1 19	21 48	0 10	15 48	0 19	15 24	0 29	19 42	3 49	16 30	16 0	14 48	18 9	4 14
T 20	23 23	20 13	3 8	22 50	0 10	18 18	2 35	18 27	3 41	4 51	1 20	21 49	0 11	15 47	0 19	15 24	0 29	19 42	3 49	16 29	15 59	14 49	18 10	4 14
F 21	23 20	19 30	3 56	23 5	0 3	18 6	2 51	18 32	3 43	4 51	1 20	21 50	0 11	15 47	0 19	15 25	0 29	19 42	3 49	16 26	15 58	14 51	18 10	4 14
S 22	23 16	17 48	4 33	23 19	0s 5	17 55	3 6	18 36	3 45	4 51	1 20	21 51	0 11	15 47	0 19	15 25	0 29	19 42	3 49	16 23	15 58	14 52	18 11	4 15
S 23	23 12	15 11	4 57	23 31	0 12	17 44	3 22	18 41	3 48	4 51	1 21	21 52	0 11	15 46	0 19	15 26	0 29	19 42	3 49	16 20	15 57	14 53	18 11	4 15
M24	23 8	11 46	5 5	23 43	0 19	17 34	3 37	18 45	3 50	4 50	1 21	21 53	0 11	15 46	0 19	15 26	0 29	19 42	3 49	16 17	15 56	14 55	18 12	4 15
T 25	23 3	7 44	4 58	23 54	0 26	17 23	3 53	18 50	3 52	4 50	1 21	21 54	0 11	15 46	0 19	15 26	0 29	19 42	3 49	16 15	15 55	14 56	18 12	4 16
W26	22 57	3 15	4 33	24 3	0 33	17 14	4 8	18 56	3 55	4 50	1 21	21 54	0 11	15 45	0 19	15 27	0 29	19 42	3 49	16 13	15 54	14 57	18 13	4 16
T 27	22 51	1s27	3 53	24 11	0 40	17 4	4 23	19 1	3 57	4 50	1 22	21 55	0 11	15 45	0 19	15 27	0 29	19 42	3 49	16 12	15 53	14 59	18 13	4 16
F 28	22 45	6 9	2 59	24 18	0 46	16 55	4 38	19 7	3 59	4 51	1 22	21 56	0 11	15 45	0 19	15 28	0 29	19 42	3 49	16 11	15 52	15 0	18 13	4 17
S 29	22 38	10 34	1 54	24 24	0 53	16 46	4 52	19 13	4 1	4 51	1 22	21 57	0 12	15 45	0 19	15 28	0 29	19 43	3 49	16 11	15 51	15 1	18 14	4 17
S 30	22 31	14 27	0 40	24 29	0 59	16 38	5 6	19 19	4 4	4 51	1 23	21 58	0 12	15 45	0 19	15 29	0 29	19 43	3 49	16 11	15 50	15 2	18 14	4 17
M31	22s23	17s30	0n36	24s32	1s 5	16s31	5n19	19n25	4n 6	4n52	1n23	21n59	0n12	15n44	0s19	15n29	0n29	19s43	3n48	16s11	15s49	15n 4	18s15	4n18

Julian Day Number = 2184529.5, Delta T = 11m14s
Ecliptic obliquity = 23°31'56, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'41, Lahiri = 13°39'42 Julian Calendar 1 Dec. 1268 == Greg. Calendar 8 Dec. 1268

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

JANUARY 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 11 41	18♑31'12	5♐23	6♑ 9	21°R 9	17°R39	20°R58	21°R32	13°R48	19°R29	28♐16	14°R16	13♏ 0	9♉49	13♐35	T 1
W 2	7 15 37	19°32'19	19°48	7°42	20♑32	17♌24	20♍57	21♋27	13♉47	19♌28	28°18	14♏11	12°56	9°55	13°41	W 2
T 3	7 19 34	20°33'24	4♑10	9°16	19°55	17° 8	20°56	21°22	13°46	19°26	28°20	14° 4	12°53	10° 2	13°47	T 3
F 4	7 23 31	21°34'29	18°24	10°50	19°18	16°51	20°55	21°18	13°46	19°25	28°22	13°54	12°50	10° 9	13°53	F 4
S 5	7 27 27	22°35'34	2♒24	12°26	18°42	16°34	20°54	21°13	13°45	19°24	28°24	13°43	12°47	10°15	13°59	S 5
S 6	7 31 24	23°36'37	16° 5	14° 1	18° 6	16°16	20°52	21° 8	13°45	19°22	28°26	13°31	12°44	10°22	14° 5	S 6
M 7	7 35 20	24°37'39	29°24	15°37	17°31	15°57	20°51	21° 3	13°45	19°21	28°28	13°19	12°40	10°29	14°11	M 7
T 8	7 39 17	25°38'41	12♓19	17°14	16°57	15°38	20°49	20°58	13°44	19°19	28°30	13°10	12°37	10°35	14°17	T 8
W 9	7 43 13	26°39'41	24°53	18°52	16°25	15°18	20°47	20°53	13°44	19°18	28°32	13° 3	12°34	10°42	14°23	W 9
T 10	7 47 10	27°40'39	7♈ 8	20°30	15°54	14°57	20°44	20°48	13°44	19°16	28°33	12°59	12°31	10°48	14°28	T 10
F 11	7 51 6	28°41'37	19° 9	22° 8	15°25	14°36	20°42	20°43	13°44	19°14	28°35	12°57	12°28	10°55	14°34	F 11
S 12	7 55 3	29°42'33	1♉ 0	23°48	14°58	14°15	20°39	20°38	13°43	19°13	28°37	12°D57	12°25	11° 2	14°39	S 12
S 13	7 59 0	0♒43'29	12°48	25°28	14°32	13°53	20°37	20°33	13°43	19°11	28°39	12°R57	12°21	11° 8	14°45	S 13
M14	8 2 56	1°44'22	24°37	27° 9	14° 9	13°31	20°34	20°29	13°D43	19°10	28°41	12°56	12°18	11°15	14°50	M14
T 15	8 6 53	2°45'15	6♊33	28°50	13°48	13° 8	20°30	20°24	13°43	19° 8	28°43	12°54	12°15	11°22	14°56	T 15
W16	8 10 49	3°46'06	18°41	0♒33	13°30	12°45	20°27	20°19	13°44	19° 7	28°45	12°49	12°12	11°28	15° 1	W16
T 17	8 14 46	4°46'55	1♋ 4	2°16	13°14	12°22	20°24	20°14	13°44	19° 5	28°47	12°42	12° 9	11°35	15° 6	T 17
F 18	8 18 42	5°47'44	13°45	4° 0	13° 0	11°59	20°20	20°10	13°44	19° 3	28°48	12°32	12° 6	11°42	15°12	F 18
S 19	8 22 39	6°48'31	26°45	5°44	12°49	11°35	20°16	20° 5	13°44	19° 2	28°50	12°19	12° 2	11°48	15°17	S 19
S 20	8 26 35	7°49'16	10♌ 3	7°29	12°40	11°11	20°12	20° 1	13°44	19° 0	28°52	12° 6	11°59	11°55	15°22	S 20
M21	8 30 32	8°50'00	23°37	9°16	12°34	10°47	20° 8	19°56	13°45	18°58	28°54	11°53	11°56	12° 2	15°27	M21
T 22	8 34 29	9°50'43	7♍24	11° 2	12°30	10°23	20° 3	19°52	13°45	18°57	28°55	11°41	11°53	12° 8	15°32	T 22
W23	8 38 25	10°51'25	21°20	12°50	12°D29	9°59	19°59	19°47	13°46	18°55	28°57	11°32	11°50	12°15	15°37	W23
T 24	8 42 22	11°52'05	5♎21	14°38	12°30	9°35	19°54	19°43	13°46	18°54	28°59	11°26	11°46	12°21	15°41	T 24
F 25	8 46 18	12°52'45	19°25	16°27	12°33	9°12	19°49	19°38	13°47	18°52	29° 0	11°23	11°43	12°28	15°46	F 25
S 26	8 50 15	13°53'23	3♏31	18°17	12°39	8°48	19°44	19°34	13°47	18°50	29° 2	11°22	11°40	12°35	15°51	S 26
S 27	8 54 11	14°54'00	17°36	20° 7	12°48	8°24	19°39	19°30	13°48	18°49	29° 4	11°22	11°37	12°41	15°56	S 27
M28	8 58 8	15°54'36	1♐40	21°57	12°58	8° 1	19°34	19°26	13°49	18°47	29° 5	11°21	11°34	12°48	16° 0	M28
T 29	9 2 4	16°55'10	15°42	23°48	13°11	7°38	19°28	19°22	13°50	18°45	29° 7	11°19	11°31	12°55	16° 5	T 29
W30	9 6 1	17°55'44	29°42	25°39	13°26	7°15	19°23	19°18	13°50	18°43	29° 8	11°14	11°27	13° 1	16° 9	W30
T 31	9 9 58	18♒56'16	13♑37	27♒31	13♑42	6♌52	19♍17	19♋14	13♉51	18♌42	29♐10	11♏ 6	11♏24	13♉ 8	16♐13	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s15	19s29	1n50	24s34	1s10	16s23	5n32	19n32	4n 8	4n52	1n23	22n 0	0n12	15n44	0s19	15n29	0n29	19s43	3n48	16s11	15s48	15n 5	18s15	4n18
W 2	22 6	20 11	2 57	24 34	1 16	16 17	5 45	19 38	4 10	4 53	1 23	22 1	0 12	15 44	0 19	15 30	0 29	19 43	3 48	16 10	15 47	15 6	18 15	4 18
T 3	21 57	19 35	3 53	24 33	1 21	16 10	5 56	19 45	4 12	4 53	1 24	22 2	0 12	15 44	0 19	15 30	0 29	19 43	3 48	16 7	15 46	15 7	18 16	4 19
F 4	21 48	17 45	4 33	24 31	1 26	16 5	6 7	19 52	4 14	4 54	1 24	22 2	0 12	15 44	0 19	15 31	0 29	19 43	3 48	16 4	15 45	15 9	18 16	4 19
S 5	21 38	14 53	4 57	24 27	1 31	16 0	6 17	19 59	4 15	4 55	1 24	22 3	0 12	15 44	0 19	15 31	0 29	19 43	3 48	16 1	15 44	15 10	18 16	4 20
S 6	21 28	11 16	5 2	24 22	1 35	15 55	6 27	20 7	4 17	4 56	1 25	22 4	0 12	15 43	0 19	15 32	0 29	19 43	3 48	15 57	15 43	15 11	18 17	4 20
M 7	21 17	7 11	4 51	24 15	1 39	15 51	6 35	20 14	4 19	4 56	1 25	22 5	0 13	15 43	0 19	15 32	0 29	19 43	3 48	15 54	15 42	15 13	18 17	4 20
T 8	21 6	2 53	4 25	24 7	1 43	15 47	6 43	20 21	4 20	4 57	1 25	22 6	0 13	15 43	0 19	15 33	0 29	19 43	3 48	15 51	15 41	15 14	18 17	4 21
W 9	20 54	1n25	3 46	23 58	1 47	15 44	6 50	20 29	4 22	4 59	1 25	22 7	0 13	15 43	0 19	15 33	0 29	19 43	3 48	15 49	15 40	15 15	18 17	4 21
T 10	20 42	5 34	2 58	23 47	1 50	15 42	6 56	20 36	4 23	5 0	1 26	22 8	0 13	15 43	0 19	15 34	0 29	19 43	3 48	15 48	15 39	15 16	18 18	4 22
F 11	20 30	9 25	2 3	23 34	1 53	15 40	7 1	20 44	4 25	5 1	1 26	22 8	0 13	15 43	0 19	15 34	0 29	19 44	3 48	15 47	15 38	15 18	18 18	4 22
S 12	20 17	12 51	1 3	23 20	1 56	15 38	7 6	20 51	4 26	5 2	1 26	22 9	0 13	15 43	0 19	15 35	0 29	19 44	3 48	15 47	15 37	15 19	18 18	4 22
S 13	20 4	15 45	0 1	23 4	1 58	15 37	7 9	20 59	4 27	5 4	1 26	22 10	0 13	15 43	0 19	15 35	0 29	19 44	3 48	15 47	15 36	15 20	18 18	4 23
M14	19 51	18 0	1s 2	22 46	2 0	15 37	7 12	21 7	4 28	5 5	1 27	22 11	0 13	15 43	0 19	15 36	0 29	19 44	3 48	15 47	15 35	15 21	18 18	4 23
T 15	19 37	19 29	2 2	22 27	2 2	15 37	7 14	21 14	4 29	5 6	1 27	22 12	0 13	15 43	0 19	15 36	0 29	19 44	3 48	15 46	15 34	15 22	18 19	4 24
W16	19 23	20 6	2 57	22 7	2 3	15 37	7 15	21 22	4 30	5 8	1 27	22 13	0 13	15 43	0 19	15 37	0 29	19 44	3 48	15 45	15 33	15 24	18 19	4 24
T 17	19 9	19 46	3 46	21 44	2 4	15 38	7 16	21 29	4 31	5 10	1 28	22 13	0 14	15 43	0 19	15 37	0 29	19 44	3 48	15 43	15 32	15 25	18 19	4 25
F 18	18 54	18 27	4 24	21 20	2 4	15 40	7 16	21 36	4 32	5 11	1 28	22 14	0 14	15 43	0 19	15 38	0 29	19 44	3 48	15 39	15 31	15 26	18 19	4 25
S 19	18 39	16 9	4 49	20 55	2 4	15 41	7 15	21 44	4 32	5 13	1 28	22 15	0 14	15 44	0 19	15 38	0 29	19 44	3 48	15 36	15 30	15 27	18 19	4 25
S 20	18 23	12 58	5 0	20 27	2 3	15 43	7 14	21 51	4 33	5 15	1 28	22 16	0 14	15 44	0 19	15 39	0 29	19 44	3 48	15 32	15 29	15 29	18 19	4 26
M21	18 7	9 4	4 54	19 58	2 2	15 46	7 12	21 58	4 33	5 17	1 29	22 17	0 14	15 44	0 19	15 39	0 29	19 44	3 48	15 28	15 28	15 30	18 19	4 26
T 22	17 51	4 38	4 31	19 28	2 1	15 48	7 10	22 5	4 33	5 19	1 29	22 17	0 14	15 44	0 19	15 40	0 29	19 44	3 48	15 24	15 28	15 31	18 19	4 27
W23	17 35	0s 6	3 52	18 56	1 59	15 51	7 7	22 12	4 33	5 21	1 29	22 18	0 14	15 44	0 19	15 40	0 29	19 44	3 48	15 21	15 27	15 32	18 19	4 27
T 24	17 18	4 51	2 58	18 22	1 57	15 55	7 4	22 18	4 33	5 23	1 29	22 19	0 14	15 44	0 19	15 41	0 29	19 44	3 48	15 19	15 26	15 33	18 19	4 28
F 25	17 1	9 23	1 53	17 46	1 54	15 58	7 0	22 25	4 33	5 25	1 29	22 20	0 14	15 44	0 19	15 42	0 29	19 44	3 48	15 18	15 25	15 35	18 19	4 28
S 26	16 43	13 23	0 41	17 9	1 50	16 2	6 56	22 31	4 33	5 27	1 30	22 20	0 14	15 45	0 19	15 42	0 29	19 44	3 48	15 18	15 24	15 36	18 19	4 29
S 27	16 26	16 37	0n33	16 31	1 46	16 5	6 51	22 37	4 33	5 29	1 30	22 21	0 15	15 45	0 19	15 43	0 29	19 44	3 48	15 18	15 23	15 37	18 19	4 29
M28	16 8	18 51	1 45	15 51	1 41	16 9	6 47	22 43	4 32	5 32	1 30	22 22	0 15	15 45	0 19	15 43	0 29	19 44	3 48	15 18	15 22	15 38	18 19	4 30
T 29	15 50	19 56	2 51	15 9	1 36	16 13	6 42	22 49	4 32	5 34	1 30	22 22	0 15	15 45	0 18	15 44	0 29	19 44	3 48	15 17	15 21	15 39	18 19	4 30
W30	15 31	19 46	3 46	14 26	1 30	16 17	6 36	22 54	4 31	5 37	1 31	22 23	0 15	15 46	0 18	15 44	0 29	19 44	3 48	15 16	15 20	15 40	18 19	4 31
T 31	15s12	18s24	4n27	13s41	1s23	16s21	6n31	22n59	4n31	5n39	1n31	22n24	0n15	15n46	0s18	15n45	0n29	19s44	3n48	15s13	15s19	15n42	18s19	4n31

Julian Day Number = 2184560.5, Delta T = 11m14s
Ecliptic obliquity = 23°31'56, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'45, Lahiri = 13°39'46 Julian Calendar 1 Jan. 1269 == Greg. Calendar 8 Jan. 1269

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

FEBRUARY 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 13 54	19♒56'46	27♑24	29♒22	14♑ 1	6°R30	19°R11	19°R10	13♉52	18°R40	29♐12	10°R56	11♏21	13♉15	16♐18	F 1
S 2	9 17 51	20°57'15	11♒ 0	1♓13	14°22	6♌ 9	19♍ 5	19♋ 6	13°53	18♌38	29°13	10♏43	11°18	13°21	16°22	S 2
S 3	9 21 47	21°57'43	24°22	3° 3	14°45	5°47	18°59	19° 2	13°54	18°37	29°14	10°30	11°15	13°28	16°26	S 3
M 4	9 25 44	22°58'09	7♓26	4°53	15° 9	5°27	18°52	18°58	13°55	18°35	29°16	10°18	11°12	13°35	16°30	M 4
T 5	9 29 40	23°58'32	20°13	6°42	15°35	5° 7	18°46	18°55	13°56	18°33	29°17	10° 7	11° 8	13°41	16°34	T 5
W 6	9 33 37	24°58'55	2♈42	8°29	16° 3	4°47	18°40	18°51	13°58	18°32	29°19	9°59	11° 5	13°48	16°38	W 6
T 7	9 37 33	25°59'15	14°55	10°14	16°32	4°28	18°33	18°48	13°59	18°30	29°20	9°53	11° 2	13°55	16°41	T 7
F 8	9 41 30	26°59'33	26°55	11°57	17° 3	4° 9	18°26	18°45	14° 0	18°28	29°21	9°51	10°59	14° 1	16°45	F 8
S 9	9 45 27	27°59'49	8♉46	13°37	17°35	3°52	18°19	18°41	14° 1	18°27	29°23	9°D50	10°56	14° 8	16°49	S 9
S 10	9 49 23	29° 0'03	20°34	15°13	18° 9	3°35	18°12	18°38	14° 3	18°25	29°24	9°50	10°52	14°14	16°52	S 10
M11	9 53 20	0♓ 0'15	2♊23	16°46	18°44	3°18	18° 5	18°35	14° 4	18°23	29°25	9°R50	10°49	14°21	16°56	M11
T 12	9 57 16	1° 0'25	14°19	18°14	19°20	3° 3	17°58	18°32	14° 6	18°22	29°27	9°49	10°46	14°28	16°59	T 12
W13	10 1 13	2° 0'33	26°28	19°37	19°58	2°48	17°51	18°29	14° 7	18°20	29°28	9°46	10°43	14°34	17° 2	W13
T 14	10 5 9	3° 0'39	8♋55	20°55	20°37	2°33	17°44	18°26	14° 9	18°19	29°29	9°41	10°40	14°41	17° 6	T 14
F 15	10 9 6	4° 0'43	21°42	22° 6	21°17	2°20	17°36	18°24	14°10	18°17	29°30	9°33	10°37	14°48	17° 9	F 15
S 16	10 13 2	5° 0'44	4♌52	23°10	21°58	2° 7	17°29	18°21	14°12	18°15	29°31	9°24	10°33	14°54	17°12	S 16
S 17	10 16 59	6° 0'44	18°25	24° 7	22°40	1°55	17°22	18°19	14°14	18°14	29°32	9°13	10°30	15° 1	17°15	S 17
M18	10 20 56	7° 0'41	2♍19	24°56	23°23	1°44	17°14	18°16	14°16	18°12	29°33	9° 2	10°27	15° 8	17°18	M18
T 19	10 24 52	8° 0'37	16°31	25°37	24° 8	1°34	17° 6	18°14	14°17	18°11	29°34	8°53	10°24	15°14	17°20	T 19
W20	10 28 49	9° 0'30	0♎53	26°10	24°53	1°24	16°59	18°12	14°19	18° 9	29°35	8°46	10°21	15°21	17°23	W20
T 21	10 32 45	10° 0'22	15°22	26°34	25°39	1°15	16°51	18°10	14°21	18° 8	29°36	8°41	10°17	15°28	17°26	T 21
F 22	10 36 42	11° 0'12	29°50	26°50	26°26	1° 7	16°43	18° 8	14°23	18° 6	29°37	8°39	10°14	15°34	17°28	F 22
S 23	10 40 38	12° 0'00	14♏14	26°R56	27°14	1° 0	16°36	18° 6	14°25	18° 4	29°38	8°D38	10°11	15°41	17°31	S 23
S 24	10 44 35	12°59'46	28°29	26°54	28° 2	0°53	16°28	18° 4	14°27	18° 3	29°39	8°39	10° 8	15°47	17°33	S 24
M25	10 48 31	13°59'31	12♐35	26°44	28°52	0°47	16°20	18° 2	14°29	18° 2	29°40	8°R40	10° 5	15°54	17°35	M25
T 26	10 52 28	14°59'14	26°31	26°26	29°42	0°42	16°12	18° 0	14°31	18° 0	29°41	8°39	10° 2	16° 1	17°37	T 26
W27	10 56 25	15°58'56	10♑16	26° 0	0♒33	0°38	16° 5	17°59	14°33	17°59	29°42	8°37	9°58	16° 7	17°39	W27
T 28	11 0 21	16♓58'36	23♑50	25♓27	1♒25	0♌35	15♍57	17♋58	14♉35	17♌57	29♐43	8♏32	9♏55	16♉14	17♐41	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	14s53	15s59	4n52	12s56	1s16	16s25	6n25	23n 4	4n30	5n42	1n31	22n24	0n15	15n46	0s18	15n45	0n29	19s44	3n48	15s10	15s18	15n43	18s19	4n32	F 1
S 2	14 34	12 43	5 1	12 9	1 8	16 29	6 19	23 9	4 29	5 44	1 31	22 25	0 15	15 47	0 18	15 46	0 29	19 44	3 47	15 6	15 17	15 44	18 19	4 32	S 2
S 3	14 15	8 52	4 52	11 21	1 0	16 33	6 12	23 13	4 28	5 47	1 31	22 26	0 15	15 47	0 18	15 46	0 29	19 44	3 47	15 2	15 16	15 45	18 19	4 33	S 3
M 4	13 55	4 40	4 28	10 32	0 50	16 36	6 6	23 17	4 27	5 49	1 32	22 26	0 15	15 47	0 18	15 47	0 29	19 44	3 47	14 58	15 15	15 46	18 19	4 33	M 4
T 5	13 35	0 21	3 51	9 43	0 41	16 40	5 59	23 21	4 25	5 52	1 32	22 27	0 15	15 48	0 18	15 47	0 29	19 44	3 47	14 54	15 14	15 47	18 18	4 34	T 5
W 6	13 15	3n53	3 4	8 53	0 30	16 44	5 53	23 25	4 24	5 55	1 32	22 27	0 15	15 48	0 18	15 48	0 29	19 44	3 47	14 52	15 13	15 49	18 18	4 35	W 6
T 7	12 54	7 52	2 8	8 3	0 19	16 47	5 46	23 28	4 23	5 58	1 32	22 28	0 16	15 48	0 18	15 48	0 29	19 44	3 47	14 50	15 12	15 50	18 18	4 35	T 7
F 8	12 34	11 28	1 8	7 13	0 7	16 50	5 39	23 31	4 21	6 0	1 32	22 28	0 16	15 49	0 18	15 49	0 29	19 44	3 47	14 49	15 11	15 51	18 18	4 36	F 8
S 9	12 13	14 34	0 6	6 23	0n 5	16 53	5 32	23 34	4 20	6 3	1 32	22 29	0 16	15 49	0 18	15 50	0 29	19 44	3 47	14 49	15 10	15 52	18 18	4 36	S 9
S 10	11 52	17 3	0s57	5 34	0 18	16 56	5 25	23 37	4 18	6 6	1 33	22 29	0 16	15 50	0 18	15 50	0 30	19 44	3 47	14 49	15 9	15 53	18 17	4 37	S 10
M11	11 31	18 48	1 57	4 45	0 32	16 59	5 17	23 39	4 17	6 9	1 33	22 30	0 16	15 50	0 18	15 51	0 30	19 44	3 47	14 49	15 8	15 54	18 17	4 37	M11
T 12	11 10	19 45	2 53	3 58	0 45	17 1	5 10	23 41	4 15	6 12	1 33	22 30	0 16	15 51	0 18	15 51	0 30	19 44	3 48	14 49	15 7	15 55	18 17	4 38	T 12
W13	10 48	19 47	3 42	3 13	0 59	17 3	5 3	23 43	4 13	6 15	1 33	22 31	0 16	15 51	0 18	15 52	0 30	19 44	3 48	14 48	15 6	15 56	18 17	4 38	W13
T 14	10 26	18 53	4 22	2 29	1 14	17 4	4 55	23 45	4 11	6 18	1 33	22 31	0 16	15 51	0 18	15 52	0 30	19 44	3 48	14 46	15 5	15 58	18 17	4 39	T 14
F 15	10 5	17 1	4 49	1 48	1 28	17 6	4 48	23 46	4 10	6 21	1 33	22 32	0 16	15 52	0 18	15 53	0 30	19 44	3 48	14 44	15 4	15 59	18 16	4 40	F 15
S 16	9 43	14 13	5 3	1 10	1 42	17 7	4 41	23 47	4 8	6 24	1 33	22 32	0 16	15 53	0 18	15 53	0 30	19 44	3 48	14 41	15 3	16 0	18 16	4 40	S 16
S 17	9 21	10 37	5 0	0 34	1 56	17 8	4 33	23 48	4 6	6 27	1 34	22 33	0 16	15 53	0 18	15 54	0 30	19 44	3 48	14 37	15 2	16 1	18 16	4 41	S 17
M18	8 58	6 20	4 39	0 2	2 10	17 8	4 26	23 48	4 4	6 30	1 34	22 33	0 16	15 54	0 18	15 54	0 30	19 44	3 48	14 34	15 1	16 2	18 15	4 41	M18
T 19	8 36	1 38	4 1	0n27	2 23	17 8	4 18	23 49	4 2	6 33	1 34	22 34	0 17	15 54	0 18	15 55	0 30	19 44	3 48	14 31	15 0	16 3	18 15	4 42	T 19
W20	8 13	3s13	3 8	0 51	2 36	17 7	4 11	23 49	4 0	6 36	1 34	22 34	0 17	15 55	0 18	15 55	0 30	19 44	3 48	14 28	14 59	16 4	18 15	4 42	W20
T 21	7 51	7 56	2 1	1 12	2 48	17 6	4 3	23 49	3 58	6 39	1 34	22 34	0 17	15 55	0 18	15 56	0 30	19 44	3 48	14 27	14 58	16 5	18 14	4 43	T 21
F 22	7 28	12 11	0 47	1 28	2 59	17 5	3 56	23 49	3 55	6 42	1 34	22 35	0 17	15 56	0 18	15 56	0 30	19 44	3 48	14 26	14 57	16 6	18 14	4 44	F 22
S 23	7 5	15 42	0n30	1 40	3 9	17 4	3 48	23 48	3 53	6 45	1 34	22 35	0 17	15 56	0 18	15 56	0 30	19 44	3 48	14 26	14 56	16 8	18 14	4 44	S 23
S 24	6 42	18 12	1 45	1 47	3 17	17 1	3 41	23 48	3 51	6 48	1 34	22 35	0 17	15 57	0 18	15 57	0 30	19 44	3 48	14 26	14 55	16 9	18 13	4 45	S 24
M25	6 19	19 33	2 52	1 49	3 25	16 59	3 34	23 47	3 49	6 51	1 34	22 36	0 17	15 58	0 18	15 57	0 30	19 44	3 48	14 27	14 54	16 10	18 13	4 45	M25
T 26	5 56	19 41	3 48	1 47	3 30	16 56	3 26	23 46	3 47	6 55	1 34	22 36	0 17	15 58	0 18	15 58	0 30	19 44	3 48	14 26	14 53	16 11	18 12	4 46	T 26
W27	5 33	18 38	4 31	1 41	3 34	16 52	3 19	23 45	3 45	6 58	1 34	22 36	0 17	15 59	0 18	15 58	0 30	19 44	3 48	14 26	14 52	16 12	18 12	4 47	W27
T 28	5s10	16s33	4n57	1n30	3n37	16s48	3n12	23n43	3n42	7n 1	1n34	22n36	0n17	16n 0	0s18	15n59	0n30	19s44	3n48	14s24	14s51	16n13	18s12	4n47	T 28

Julian Day Number = 2184591.5, Delta T = 11m14s
Ecliptic obliquity = 23°31'56, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'50, Lahiri = 13°39'50 Julian Calendar 1 Feb. 1269 == Greg. Calendar 8 Feb. 1269

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

MARCH 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 4 18	17♓58'13	7♒13	24°R48	2♒17	0°R32	15°R49	17°R56	14♉38	17°R56	29♐43	8°R25	9♏52	16♉21	17♐43	F 1
S 2	11 8 14	18°57'49	20°23	24♓ 5	3°10	0♌30	15♍41	17♋55	14°40	17♌54	29°44	8♏16	9°49	16°27	17°45	S 2
S 3	11 12 11	19°57'23	3♓21	23°17	4° 3	0°29	15°34	17°54	14°42	17°53	29°45	8° 7	9°46	16°34	17°47	S 3
M 4	11 16 7	20°56'55	16° 6	22°26	4°57	0°D29	15°26	17°53	14°45	17°52	29°45	7°59	9°43	16°41	17°48	M 4
T 5	11 20 4	21°56'25	28°36	21°33	5°52	0°29	15°18	17°52	14°47	17°50	29°46	7°52	9°39	16°47	17°50	T 5
W 6	11 24 0	22°55'53	10♈54	20°40	6°47	0°30	15°10	17°52	14°49	17°49	29°47	7°46	9°36	16°54	17°51	W 6
T 7	11 27 57	23°55'19	23° 0	19°47	7°43	0°32	15° 3	17°51	14°52	17°48	29°47	7°43	9°33	17° 1	17°53	T 7
F 8	11 31 53	24°54'42	4♉56	18°55	8°39	0°35	14°55	17°50	14°54	17°46	29°48	7°D42	9°30	17° 7	17°54	F 8
S 9	11 35 50	25°54'03	16°46	18° 6	9°36	0°38	14°48	17°50	14°57	17°45	29°48	7°42	9°27	17°14	17°55	S 9
S 10	11 39 47	26°53'22	28°33	17°20	10°33	0°42	14°40	17°50	14°59	17°44	29°49	7°43	9°23	17°21	17°56	S 10
M11	11 43 43	27°52'39	10♊22	16°38	11°30	0°47	14°33	17°50	15° 2	17°43	29°49	7°45	9°20	17°27	17°57	M11
T 12	11 47 40	28°51'53	22°17	16° 0	12°28	0°52	14°25	17°D49	15° 5	17°41	29°50	7°46	9°17	17°34	17°58	T 12
W13	11 51 36	29°51'06	4♋25	15°27	13°27	0°58	14°18	17°50	15° 7	17°40	29°50	7°R46	9°14	17°40	17°59	W13
T 14	11 55 33	0♈50'15	16°50	15° 0	14°26	1° 4	14°11	17°50	15°10	17°39	29°50	7°45	9°11	17°47	17°59	T 14
F 15	11 59 29	1°49'23	29°36	14°38	15°25	1°12	14° 4	17°50	15°13	17°38	29°51	7°42	9° 8	17°54	18° 0	F 15
S 16	12 3 26	2°48'28	12♌47	14°22	16°25	1°20	13°56	17°50	15°16	17°37	29°51	7°38	9° 4	18° 0	18° 0	S 16
S 17	12 7 22	3°47'30	26°24	14°11	17°24	1°28	13°50	17°51	15°18	17°36	29°51	7°33	9° 1	18° 7	18° 1	S 17
M18	12 11 19	4°46'31	10♍26	14°D 6	18°25	1°37	13°43	17°51	15°21	17°35	29°51	7°27	8°58	18°14	18° 1	M18
T 19	12 15 16	5°45'29	24°52	14° 6	19°25	1°47	13°36	17°52	15°24	17°34	29°52	7°23	8°55	18°20	18° 1	T 19
W20	12 19 12	6°44'25	9♎34	14°12	20°26	1°57	13°29	17°53	15°27	17°33	29°52	7°19	8°52	18°27	18°R 1	W20
T 21	12 23 9	7°43'19	24°25	14°23	21°28	2° 8	13°23	17°54	15°30	17°32	29°52	7°17	8°49	18°34	18° 1	T 21
F 22	12 27 5	8°42'11	9♏19	14°39	22°29	2°19	13°16	17°55	15°33	17°31	29°52	7°D17	8°45	18°40	18° 1	F 22
S 23	12 31 2	9°41'01	24° 7	14°59	23°31	2°31	13°10	17°56	15°36	17°30	29°52	7°18	8°42	18°47	18° 1	S 23
S 24	12 34 58	10°39'50	8♐43	15°25	24°34	2°43	13° 4	17°57	15°39	17°29	29°52	7°19	8°39	18°54	18° 1	S 24
M25	12 38 55	11°38'37	23° 3	15°55	25°36	2°56	12°57	17°59	15°42	17°28	29°R52	7°20	8°36	19° 0	18° 0	M25
T 26	12 42 51	12°37'22	7♑ 5	16°29	26°39	3° 9	12°51	18° 0	15°45	17°28	29°52	7°R21	8°33	19° 7	18° 0	T 26
W27	12 46 48	13°36'05	20°48	17° 7	27°42	3°23	12°46	18° 2	15°48	17°27	29°52	7°21	8°29	19°13	17°59	W27
T 28	12 50 45	14°34'47	4♒13	17°49	28°45	3°38	12°40	18° 3	15°51	17°26	29°52	7°20	8°26	19°20	17°58	T 28
F 29	12 54 41	15°33'27	17°20	18°34	29°49	3°52	12°34	18° 5	15°54	17°25	29°52	7°18	8°23	19°27	17°58	F 29
S 30	12 58 38	16°32'05	0♓12	19°23	0♓52	4° 8	12°29	18° 7	15°57	17°25	29°52	7°15	8°20	19°33	17°57	S 30
S 31	13 2 34	17♈30'41	12♓50	20♓15	1♓56	4♌24	12♍23	18♋ 9	16♉ 0	17♌24	29♐52	7♏12	8♏17	19♉40	17♐56	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4s46	13s35	5n 7	1n15	3n37	16s44	3n 4	23n42	3n40	7n 4	1n34	22n37	0n17	16n 0	0s18	15n59	0n30	19s44	3n48	14s22	14s50	16n14	18s11	4n48
S 2	4 23	10 0	5 0	0 56	3 35	16 39	2 57	23 40	3 38	7 7	1 34	22 37	0 17	16 1	0 18	16 0	0 30	19 44	3 48	14 19	14 49	16 15	18 11	4 48
S 3	4 0	6 0	4 38	0 34	3 32	16 34	2 50	23 38	3 36	7 10	1 34	22 37	0 17	16 2	0 18	16 0	0 30	19 44	3 48	14 16	14 48	16 16	18 10	4 49
M 4	3 36	1 47	4 2	0 9	3 27	16 28	2 43	23 36	3 33	7 13	1 34	22 37	0 18	16 2	0 18	16 0	0 30	19 44	3 48	14 13	14 47	16 17	18 10	4 50
T 5	3 13	2n26	3 15	0s18	3 20	16 22	2 36	23 34	3 31	7 16	1 34	22 37	0 18	16 3	0 18	16 1	0 30	19 44	3 48	14 11	14 46	16 18	18 9	4 50
W 6	2 49	6 29	2 20	0 47	3 11	16 15	2 29	23 31	3 29	7 19	1 34	22 38	0 18	16 4	0 18	16 1	0 30	19 44	3 48	14 9	14 45	16 19	18 9	4 51
T 7	2 25	10 12	1 19	1 18	3 1	16 8	2 22	23 29	3 27	7 22	1 34	22 38	0 18	16 5	0 18	16 2	0 30	19 44	3 48	14 8	14 44	16 20	18 8	4 51
F 8	2 2	13 27	0 15	1 49	2 49	16 0	2 15	23 26	3 24	7 25	1 34	22 38	0 18	16 5	0 18	16 2	0 30	19 44	3 48	14 8	14 43	16 21	18 8	4 52
S 9	1 38	16 7	0s49	2 20	2 36	15 52	2 8	23 23	3 22	7 28	1 34	22 38	0 18	16 6	0 18	16 2	0 30	19 44	3 48	14 8	14 42	16 22	18 7	4 53
S 10	1 14	18 6	1 51	2 50	2 22	15 43	2 1	23 20	3 20	7 31	1 34	22 38	0 18	16 7	0 18	16 3	0 30	19 44	3 48	14 8	14 41	16 23	18 7	4 53
M11	0 51	19 19	2 49	3 20	2 8	15 34	1 55	23 17	3 18	7 34	1 34	22 38	0 18	16 8	0 18	16 3	0 30	19 44	3 48	14 9	14 40	16 24	18 6	4 54
T 12	0 27	19 40	3 39	3 49	1 53	15 24	1 48	23 13	3 16	7 36	1 34	22 38	0 18	16 9	0 18	16 4	0 30	19 44	3 48	14 9	14 39	16 25	18 6	4 55
W13	0 4	19 7	4 21	4 16	1 37	15 14	1 41	23 10	3 13	7 39	1 34	22 38	0 18	16 9	0 18	16 4	0 30	19 44	3 48	14 9	14 38	16 27	18 5	4 55
T 14	0n20	17 39	4 52	4 41	1 22	15 3	1 35	23 6	3 11	7 42	1 34	22 38	0 18	16 10	0 18	16 4	0 30	19 44	3 48	14 9	14 37	16 28	18 5	4 56
F 15	0 44	15 16	5 9	5 4	1 6	14 52	1 28	23 3	3 9	7 45	1 34	22 38	0 18	16 11	0 17	16 5	0 30	19 44	3 48	14 8	14 36	16 29	18 4	4 56
S 16	1 7	12 4	5 11	5 24	0 50	14 40	1 22	22 59	3 7	7 47	1 34	22 39	0 18	16 12	0 17	16 5	0 30	19 44	3 48	14 7	14 35	16 30	18 3	4 57
S 17	1 31	8 8	4 56	5 43	0 35	14 28	1 16	22 55	3 5	7 50	1 34	22 39	0 18	16 13	0 17	16 5	0 30	19 44	3 48	14 5	14 34	16 31	18 3	4 58
M18	1 54	3 38	4 22	5 59	0 20	14 16	1 10	22 51	3 3	7 52	1 34	22 38	0 19	16 13	0 17	16 6	0 30	19 44	3 48	14 3	14 33	16 32	18 2	4 58
T 19	2 18	1s11	3 32	6 12	0 5	14 3	1 4	22 46	3 1	7 55	1 34	22 38	0 19	16 14	0 17	16 6	0 30	19 44	3 48	14 2	14 31	16 33	18 2	4 59
W20	2 41	6 2	2 26	6 23	0s 9	13 49	0 58	22 42	2 59	7 58	1 34	22 38	0 19	16 15	0 17	16 6	0 30	19 44	3 48	14 1	14 30	16 34	18 1	4 59
T 21	3 5	10 35	1 10	6 32	0 23	13 35	0 52	22 38	2 57	8 0	1 34	22 38	0 19	16 16	0 17	16 7	0 30	19 44	3 48	14 0	14 29	16 35	18 1	5 0
F 22	3 28	14 29	0n11	6 38	0 36	13 21	0 46	22 33	2 54	8 2	1 34	22 38	0 19	16 17	0 17	16 7	0 30	19 44	3 48	14 0	14 28	16 36	18 0	5 1
S 23	3 51	17 24	1 31	6 41	0 49	13 6	0 40	22 28	2 52	8 5	1 34	22 38	0 19	16 18	0 17	16 7	0 30	19 44	3 48	14 0	14 27	16 37	17 59	5 1
S 24	4 14	19 8	2 44	6 42	1 1	12 51	0 34	22 23	2 50	8 7	1 33	22 38	0 19	16 19	0 17	16 7	0 30	19 44	3 48	14 0	14 26	16 38	17 59	5 2
M25	4 37	19 35	3 46	6 41	1 12	12 35	0 29	22 19	2 48	8 9	1 33	22 38	0 19	16 20	0 17	16 8	0 30	19 44	3 48	14 1	14 25	16 39	17 58	5 2
T 26	5 0	18 49	4 32	6 38	1 23	12 19	0 23	22 13	2 46	8 12	1 33	22 38	0 19	16 20	0 17	16 8	0 30	19 44	3 48	14 1	14 24	16 40	17 57	5 3
W27	5 23	16 56	5 2	6 32	1 33	12 2	0 18	22 8	2 44	8 14	1 33	22 38	0 19	16 21	0 17	16 8	0 30	19 44	3 48	14 1	14 23	16 40	17 57	5 4
T 28	5 46	14 11	5 15	6 25	1 43	11 45	0 13	22 3	2 42	8 16	1 33	22 38	0 19	16 22	0 17	16 8	0 30	19 44	3 48	14 1	14 22	16 41	17 56	5 4
F 29	6 9	10 46	5 10	6 15	1 51	11 28	0 7	21 58	2 41	8 18	1 33	22 37	0 19	16 23	0 17	16 9	0 30	19 44	3 48	14 0	14 21	16 42	17 55	5 5
S 30	6 31	6 55	4 50	6 3	1 59	11 10	0 2	21 52	2 39	8 20	1 33	22 37	0 19	16 24	0 17	16 9	0 30	19 44	3 48	13 59	14 20	16 43	17 55	5 5
S 31	6n54	2s49	4n17	5s49	2s 7	10s52	0s 3	21n46	2n37	8n22	1n33	22n37	0n19	16n25	0s17	16n 9	0n30	19s44	3n48	13s58	14s19	16n44	17s54	5n 6

Julian Day Number = 2184619.5, Delta T = 11m13s
Ecliptic obliquity = 23°31'56, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'53, Lahiri = 13°39'54 Julian Calendar 1 March 1269 == Greg. Calendar 8 March 1269

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

APRIL 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 6 31	18♈29'16	25♓15	21♓10	3♓ 1	4♌40	12°R18	18♋11	16♉ 3	17°R23	29°R51	7°R 9	8♏14	19♉47	17°R55	M 1
T 2	13 10 27	19°27'48	7♈29	22° 9	4° 5	4°56	12♍13	18°13	16° 7	17♌23	29♐51	7♏ 6	8°10	19°53	17♐54	T 2
W 3	13 14 24	20°26'19	19°34	23°10	5°10	5°14	12° 8	18°15	16°10	17°22	29°51	7° 5	8° 7	20° 0	17°53	W 3
T 4	13 18 20	21°24'48	1♉31	24°14	6°14	5°31	12° 4	18°18	16°13	17°22	29°51	7°D 4	8° 4	20° 7	17°51	T 4
F 5	13 22 17	22°23'15	13°22	25°20	7°19	5°49	11°59	18°20	16°16	17°21	29°50	7° 4	8° 1	20°13	17°50	F 5
S 6	13 26 13	23°21'40	25°10	26°29	8°25	6° 7	11°55	18°23	16°20	17°20	29°50	7° 5	7°58	20°20	17°49	S 6
S 7	13 30 10	24°20'03	6♊57	27°41	9°30	6°26	11°50	18°26	16°23	17°20	29°49	7° 6	7°54	20°27	17°47	S 7
M 8	13 34 7	25°18'24	18°47	28°55	10°35	6°45	11°46	18°28	16°26	17°20	29°49	7° 7	7°51	20°33	17°45	M 8
T 9	13 38 3	26°16'43	0♋43	0♈11	11°41	7° 5	11°42	18°31	16°30	17°19	29°49	7° 8	7°48	20°40	17°44	T 9
W10	13 42 0	27°15'00	12°51	1°30	12°47	7°25	11°39	18°34	16°33	17°19	29°48	7° 9	7°45	20°47	17°42	W10
T 11	13 45 56	28°13'15	25°14	2°50	13°53	7°45	11°35	18°37	16°36	17°19	29°48	7°R 9	7°42	20°53	17°40	T 11
F 12	13 49 53	29°11'28	7♌56	4°13	14°59	8° 6	11°32	18°41	16°40	17°18	29°47	7° 9	7°39	21° 0	17°38	F 12
S 13	13 53 49	0♉ 9'38	21° 2	5°38	16° 5	8°27	11°29	18°44	16°43	17°18	29°47	7° 9	7°35	21° 6	17°36	S 13
S 14	13 57 46	1° 7'47	4♍34	7° 5	17°12	8°48	11°26	18°47	16°46	17°18	29°46	7° 8	7°32	21°13	17°34	S 14
M15	14 1 42	2° 5'53	18°33	8°33	18°19	9°10	11°23	18°51	16°50	17°18	29°45	7° 7	7°29	21°20	17°32	M15
T 16	14 5 39	3° 3'58	2♎57	10° 4	19°25	9°31	11°20	18°54	16°53	17°17	29°45	7° 7	7°26	21°26	17°29	T 16
W17	14 9 36	4° 2'01	17°44	11°37	20°32	9°54	11°17	18°58	16°57	17°17	29°44	7° 7	7°23	21°33	17°27	W17
T 18	14 13 32	5° 0'02	2♏46	13°12	21°39	10°16	11°15	19° 2	17° 0	17°17	29°43	7°D 6	7°20	21°40	17°25	T 18
F 19	14 17 29	5°58'01	17°56	14°49	22°46	10°39	11°13	19° 5	17° 3	17°17	29°43	7° 6	7°16	21°46	17°22	F 19
S 20	14 21 25	6°55'59	3♐ 3	16°28	23°54	11° 2	11°11	19° 9	17° 7	17°17	29°42	7°R 7	7°13	21°53	17°20	S 20
S 21	14 25 22	7°53'55	17°59	18° 9	25° 1	11°26	11° 9	19°13	17°10	17°D17	29°41	7° 6	7°10	22° 0	17°17	S 21
M22	14 29 18	8°51'51	2♑37	19°51	26° 9	11°50	11° 8	19°18	17°14	17°17	29°40	7° 6	7° 7	22° 6	17°14	M22
T 23	14 33 15	9°49'44	16°53	21°36	27°16	12°14	11° 6	19°22	17°17	17°17	29°39	7° 6	7° 4	22°13	17°11	T 23
W24	14 37 11	10°47'37	0♒44	23°23	28°24	12°38	11° 5	19°26	17°21	17°17	29°39	7° 6	7° 0	22°20	17° 9	W24
T 25	14 41 8	11°45'28	14°10	25°11	29°32	13° 2	11° 4	19°30	17°24	17°17	29°38	7°D 6	6°57	22°26	17° 6	T 25
F 26	14 45 5	12°43'18	27°13	27° 2	0♈40	13°27	11° 3	19°35	17°28	17°17	29°37	7° 6	6°54	22°33	17° 3	F 26
S 27	14 49 1	13°41'06	9♓55	28°55	1°48	13°52	11° 2	19°39	17°31	17°18	29°36	7° 7	6°51	22°40	17° 0	S 27
S 28	14 52 58	14°38'54	22°21	0♉49	2°56	14°18	11° 2	19°44	17°35	17°18	29°35	7° 7	6°48	22°46	16°57	S 28
M29	14 56 54	15°36'40	4♈33	2°46	4° 4	14°43	11° 1	19°49	17°38	17°18	29°34	7° 8	6°45	22°53	16°54	M29
T 30	15 0 51	16♉34'25	16♈35	4♉44	5♈13	15♌ 9	11°D 1	19♋53	17♉42	17♌18	29♐33	7♏ 9	6♏41	23♉ 0	16♐50	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n16	1n20	3n31	5s34	2s14	10s34	0s 8	21n41	2n35	8n24	1n32	22n37	0n19	16n26	0s17	16n 9	0n30	19s44	3n48	13s57	14s18	16n45	17s53	5n 7
T 2	7 39	5 23	2 36	5 16	2 20	10 15	0 13	21 35	2 33	8 25	1 32	22 37	0 19	16 27	0 17	16 9	0 30	19 44	3 48	13 56	14 17	16 46	17 53	5 7
W 3	8 1	9 9	1 35	4 57	2 25	9 55	0 17	21 29	2 31	8 27	1 32	22 36	0 20	16 28	0 17	16 10	0 30	19 44	3 48	13 56	14 16	16 47	17 52	5 8
T 4	8 23	12 32	0 31	4 36	2 30	9 36	0 22	21 22	2 29	8 29	1 32	22 36	0 20	16 29	0 17	16 10	0 30	19 44	3 48	13 55	14 15	16 48	17 51	5 8
F 5	8 45	15 21	0s35	4 13	2 35	9 16	0 26	21 16	2 27	8 30	1 32	22 36	0 20	16 30	0 17	16 10	0 30	19 44	3 48	13 56	14 14	16 49	17 51	5 9
S 6	9 7	17 32	1 39	3 49	2 38	8 55	0 31	21 10	2 26	8 32	1 32	22 35	0 20	16 31	0 17	16 10	0 30	19 44	3 48	13 56	14 13	16 50	17 50	5 10
S 7	9 28	18 57	2 38	3 24	2 41	8 35	0 35	21 3	2 24	8 33	1 31	22 35	0 20	16 32	0 17	16 10	0 30	19 44	3 48	13 56	14 12	16 51	17 49	5 10
M 8	9 50	19 33	3 31	2 56	2 44	8 14	0 39	20 57	2 22	8 35	1 31	22 35	0 20	16 33	0 17	16 10	0 30	19 44	3 48	13 56	14 11	16 52	17 49	5 11
T 9	10 11	19 16	4 16	2 28	2 46	7 53	0 44	20 50	2 20	8 36	1 31	22 34	0 20	16 34	0 17	16 10	0 30	19 44	3 48	13 57	14 10	16 53	17 48	5 11
W10	10 32	18 6	4 50	1 57	2 47	7 31	0 48	20 43	2 19	8 37	1 31	22 34	0 20	16 35	0 17	16 10	0 30	19 43	3 48	13 57	14 9	16 54	17 47	5 12
T 11	10 53	16 4	5 11	1 26	2 48	7 9	0 51	20 36	2 17	8 38	1 31	22 34	0 20	16 36	0 17	16 11	0 30	19 43	3 48	13 57	14 8	16 55	17 46	5 12
F 12	11 14	13 14	5 18	0 53	2 48	6 47	0 55	20 29	2 15	8 40	1 30	22 33	0 20	16 37	0 17	16 11	0 30	19 43	3 48	13 57	14 7	16 56	17 46	5 13
S 13	11 34	9 40	5 8	0 19	2 47	6 25	0 59	20 22	2 14	8 41	1 30	22 33	0 20	16 37	0 17	16 11	0 30	19 43	3 48	13 57	14 6	16 57	17 45	5 13
S 14	11 55	5 30	4 42	0n17	2 46	6 2	1 3	20 15	2 12	8 42	1 30	22 33	0 20	16 38	0 17	16 11	0 30	19 43	3 48	13 57	14 5	16 57	17 44	5 14
M15	12 15	0 53	3 59	0 53	2 45	5 39	1 6	20 8	2 10	8 43	1 30	22 32	0 20	16 39	0 17	16 11	0 30	19 43	3 48	13 57	14 4	16 58	17 44	5 14
T 16	12 35	3s55	2 59	1 31	2 42	5 16	1 9	20 0	2 9	8 43	1 30	22 32	0 20	16 40	0 17	16 11	0 30	19 43	3 48	13 56	14 3	16 59	17 43	5 15
W17	12 55	8 37	1 46	2 10	2 40	4 53	1 13	19 53	2 7	8 44	1 29	22 31	0 20	16 41	0 17	16 11	0 30	19 43	3 48	13 56	14 2	17 0	17 42	5 16
T 18	13 14	12 52	0 24	2 50	2 36	4 29	1 16	19 45	2 5	8 45	1 29	22 31	0 20	16 42	0 17	16 11	0 30	19 43	3 48	13 56	14 1	17 1	17 41	5 16
F 19	13 34	16 17	1n 0	3 31	2 32	4 5	1 19	19 37	2 4	8 46	1 29	22 30	0 20	16 43	0 17	16 11	0 30	19 43	3 48	13 56	14 0	17 2	17 41	5 17
S 20	13 53	18 34	2 19	4 13	2 28	3 41	1 22	19 29	2 2	8 46	1 29	22 30	0 21	16 44	0 17	16 11	0 30	19 43	3 48	13 56	13 59	17 3	17 40	5 17
S 21	14 12	19 32	3 28	4 56	2 23	3 17	1 25	19 21	2 1	8 47	1 29	22 29	0 21	16 45	0 17	16 11	0 30	19 43	3 48	13 56	13 57	17 4	17 39	5 18
M22	14 31	19 8	4 22	5 40	2 18	2 53	1 27	19 13	1 59	8 47	1 28	22 29	0 21	16 46	0 17	16 11	0 30	19 43	3 48	13 56	13 56	17 5	17 38	5 18
T 23	14 49	17 31	4 58	6 25	2 12	2 28	1 30	19 5	1 58	8 47	1 28	22 28	0 21	16 47	0 17	16 11	0 29	19 43	3 48	13 56	13 55	17 5	17 38	5 19
W24	15 7	14 56	5 16	7 11	2 5	2 3	1 33	18 56	1 56	8 48	1 28	22 28	0 21	16 48	0 17	16 11	0 29	19 43	3 48	13 56	13 54	17 6	17 37	5 19
T 25	15 25	11 36	5 16	7 57	1 58	1 38	1 35	18 48	1 55	8 48	1 28	22 27	0 21	16 49	0 17	16 11	0 29	19 43	3 48	13 56	13 53	17 7	17 36	5 19
F 26	15 43	7 48	4 59	8 44	1 51	1 13	1 37	18 39	1 53	8 48	1 28	22 26	0 21	16 50	0 17	16 11	0 29	19 43	3 48	13 56	13 52	17 8	17 35	5 20
S 27	16 0	3 45	4 27	9 31	1 43	0 48	1 40	18 30	1 52	8 48	1 27	22 26	0 21	16 51	0 17	16 11	0 29	19 43	3 48	13 56	13 51	17 9	17 35	5 20
S 28	16 18	0n23	3 44	10 20	1 35	0 23	1 42	18 22	1 50	8 48	1 27	22 25	0 21	16 52	0 17	16 11	0 29	19 44	3 48	13 57	13 50	17 10	17 34	5 21
M29	16 35	4 26	2 51	11 8	1 26	0n 2	1 44	18 13	1 49	8 48	1 27	22 25	0 21	16 53	0 17	16 11	0 29	19 44	3 48	13 57	13 49	17 11	17 33	5 21
T 30	16n51	8n16	1n52	11n57	1s17	0n28	1s46	18n 4	1n47	8n48	1n27	22n24	0n21	16n54	0s17	16n10	0n29	19s44	3n48	13s57	13s48	17n11	17s33	5n22

Julian Day Number = 2184650.5, Delta T = 11m13s
Ecliptic obliquity = 23°31'56, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°32'58, Lahiri = 13°39'58 Julian Calendar 1 Apr. 1269 == Greg. Calendar 8 Apr. 1269

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

MAY 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 4 47	17♉32'09	28♈30	6♉44	6♈21	15♌35	11♍ 1	19♋58	17♉45	17♌19	29°R32	7♏ 9	6♏38	23♉ 6	16°R47	W 1
T 2	15 8 44	18°29'51	10♉19	8°46	7°30	16° 2	11° 1	20° 3	17°49	17°19	29♐31	7°R10	6°35	23°13	16♐44	T 2
F 3	15 12 40	19°27'32	22° 7	10°50	8°38	16°28	11° 2	20° 8	17°52	17°20	29°30	7° 9	6°32	23°19	16°40	F 3
S 4	15 16 37	20°25'12	3♊55	12°55	9°47	16°55	11° 2	20°13	17°56	17°20	29°29	7° 8	6°29	23°26	16°37	S 4
S 5	15 20 34	21°22'51	15°44	15° 2	10°56	17°22	11° 3	20°18	17°59	17°20	29°28	7° 6	6°25	23°33	16°33	S 5
M 6	15 24 30	22°20'28	27°39	17°10	12° 5	17°49	11° 4	20°23	18° 3	17°21	29°27	7° 4	6°22	23°39	16°30	M 6
T 7	15 28 27	23°18'04	9♋41	19°20	13°14	18°17	11° 5	20°29	18° 6	17°21	29°26	7° 2	6°19	23°46	16°26	T 7
W 8	15 32 23	24°15'39	21°52	21°30	14°23	18°44	11° 6	20°34	18°10	17°22	29°24	6°59	6°16	23°53	16°23	W 8
T 9	15 36 20	25°13'12	4♌17	23°41	15°32	19°12	11° 8	20°40	18°13	17°23	29°23	6°58	6°13	23°59	16°19	T 9
F 10	15 40 16	26°10'43	16°58	25°53	16°41	19°40	11° 9	20°45	18°17	17°23	29°22	6°56	6°10	24° 6	16°15	F 10
S 11	15 44 13	27° 8'14	29°59	28° 5	17°50	20° 9	11°11	20°51	18°20	17°24	29°21	6°D56	6° 6	24°13	16°12	S 11
S 12	15 48 9	28° 5'42	13♍24	0♊17	19° 0	20°37	11°13	20°56	18°24	17°24	29°20	6°57	6° 3	24°19	16° 8	S 12
M13	15 52 6	29° 3'10	27°13	2°28	20° 9	21° 6	11°15	21° 2	18°27	17°25	29°18	6°58	6° 0	24°26	16° 4	M13
T 14	15 56 3	0♊ 0'36	11♎27	4°39	21°19	21°35	11°18	21° 8	18°30	17°26	29°17	6°59	5°57	24°33	16° 0	T 14
W15	15 59 59	0°58'01	26° 5	6°49	22°28	22° 4	11°20	21°14	18°34	17°27	29°16	7° 0	5°54	24°39	15°56	W15
T 16	16 3 56	1°55'24	11♏ 2	8°58	23°38	22°33	11°23	21°19	18°37	17°27	29°14	7°R 1	5°51	24°46	15°53	T 16
F 17	16 7 52	2°52'47	26°12	11° 6	24°47	23° 2	11°26	21°25	18°41	17°28	29°13	7° 0	5°47	24°53	15°49	F 17
S 18	16 11 49	3°50'09	11♐25	13°12	25°57	23°32	11°29	21°31	18°44	17°29	29°12	6°58	5°44	24°59	15°45	S 18
S 19	16 15 45	4°47'30	26°32	15°17	27° 7	24° 2	11°32	21°37	18°48	17°30	29°11	6°54	5°41	25° 6	15°41	S 19
M20	16 19 42	5°44'50	11♑22	17°20	28°17	24°31	11°35	21°44	18°51	17°31	29° 9	6°50	5°38	25°13	15°37	M20
T 21	16 23 38	6°42'10	25°50	19°20	29°27	25° 2	11°39	21°50	18°54	17°32	29° 8	6°46	5°35	25°19	15°33	T 21
W22	16 27 35	7°39'29	9♒51	21°19	0♉37	25°32	11°42	21°56	18°58	17°33	29° 6	6°43	5°31	25°26	15°29	W22
T 23	16 31 32	8°36'47	23°24	23°15	1°47	26° 2	11°46	22° 2	19° 1	17°34	29° 5	6°41	5°28	25°33	15°25	T 23
F 24	16 35 28	9°34'05	6♓29	25° 9	2°57	26°33	11°50	22° 9	19° 4	17°35	29° 4	6°D40	5°25	25°39	15°21	F 24
S 25	16 39 25	10°31'23	19°10	27° 1	4° 7	27° 3	11°54	22°15	19° 8	17°36	29° 2	6°40	5°22	25°46	15°17	S 25
S 26	16 43 21	11°28'40	1♈32	28°50	5°18	27°34	11°59	22°22	19°11	17°37	29° 1	6°41	5°19	25°53	15°13	S 26
M27	16 47 18	12°25'57	13°38	0♋37	6°28	28° 5	12° 3	22°28	19°14	17°38	28°59	6°43	5°16	25°59	15° 9	M27
T 28	16 51 14	13°23'13	25°34	2°22	7°38	28°37	12° 8	22°35	19°18	17°39	28°58	6°44	5°12	26° 6	15° 4	T 28
W29	16 55 11	14°20'29	7♉23	4° 4	8°49	29° 8	12°13	22°41	19°21	17°41	28°56	6°R45	5° 9	26°12	15° 0	W29
T 30	16 59 7	15°17'45	19°10	5°44	9°59	29°39	12°18	22°48	19°24	17°42	28°55	6°44	5° 6	26°19	14°56	T 30
F 31	17 3 4	16♊15'00	0♊57	7♋21	11♉10	0♍11	12♍23	22♋55	19♉27	17♌43	28♐54	6♏41	5♏ 3	26♉26	14♐52	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17n 8	11n44	0n48	12n45	1s 7	0n53	1s47	17n55	1n46	8n48	1n26	22n23	0n21	16n55	0s17	16n10	0n29	19s44	3n48	13s57	13s47	17n12	17s32	5n22
T 2	17 24	14 42	0s18	13 34	0 58	1 19	1 49	17 45	1 44	8 47	1 26	22 23	0 21	16 56	0 17	16 10	0 29	19 44	3 48	13 57	13 46	17 13	17 31	5 23
F 3	17 40	17 3	1 22	14 23	0 48	1 45	1 51	17 36	1 43	8 47	1 26	22 22	0 21	16 57	0 17	16 10	0 29	19 44	3 48	13 57	13 45	17 14	17 30	5 23
S 4	17 55	18 40	2 23	15 11	0 37	2 10	1 52	17 26	1 42	8 47	1 26	22 21	0 21	16 58	0 17	16 10	0 29	19 44	3 48	13 57	13 44	17 15	17 30	5 23
S 5	18 11	19 29	3 18	15 59	0 27	2 36	1 54	17 17	1 40	8 46	1 26	22 21	0 21	16 59	0 17	16 10	0 29	19 44	3 48	13 56	13 43	17 16	17 29	5 24
M 6	18 26	19 26	4 5	16 46	0 16	3 2	1 55	17 7	1 39	8 46	1 25	22 20	0 21	17 0	0 17	16 10	0 29	19 44	3 48	13 56	13 42	17 17	17 28	5 24
T 7	18 40	18 30	4 41	17 32	0 6	3 28	1 56	16 57	1 38	8 45	1 25	22 19	0 22	17 1	0 17	16 10	0 29	19 44	3 48	13 55	13 41	17 17	17 27	5 24
W 8	18 55	16 44	5 5	18 17	0n 5	3 54	1 57	16 47	1 36	8 44	1 25	22 18	0 22	17 2	0 17	16 9	0 29	19 44	3 48	13 54	13 40	17 18	17 27	5 25
T 9	19 9	14 9	5 16	19 1	0 15	4 19	1 58	16 37	1 35	8 43	1 25	22 18	0 22	17 3	0 17	16 9	0 29	19 44	3 48	13 53	13 39	17 19	17 26	5 25
F 10	19 22	10 52	5 11	19 43	0 26	4 45	1 59	16 27	1 34	8 43	1 24	22 17	0 22	17 4	0 17	16 9	0 29	19 44	3 48	13 53	13 38	17 20	17 25	5 26
S 11	19 36	6 59	4 51	20 24	0 36	5 11	2 0	16 17	1 32	8 42	1 24	22 16	0 22	17 5	0 17	16 9	0 29	19 44	3 48	13 53	13 37	17 21	17 25	5 26
S 12	19 49	2 38	4 14	21 2	0 46	5 37	2 0	16 7	1 31	8 41	1 24	22 15	0 22	17 6	0 17	16 9	0 29	19 44	3 48	13 53	13 35	17 21	17 24	5 26
M13	20 1	1s59	3 22	21 38	0 55	6 2	2 1	15 56	1 30	8 40	1 24	22 14	0 22	17 7	0 17	16 8	0 29	19 44	3 48	13 54	13 34	17 22	17 23	5 26
T 14	20 14	6 38	2 16	22 12	1 4	6 28	2 1	15 46	1 28	8 39	1 24	22 14	0 22	17 8	0 17	16 8	0 29	19 44	3 48	13 54	13 33	17 23	17 23	5 27
W15	20 26	11 2	1 0	22 44	1 13	6 54	2 2	15 35	1 27	8 37	1 23	22 13	0 22	17 9	0 17	16 8	0 29	19 44	3 48	13 54	13 32	17 24	17 22	5 27
T 16	20 38	14 51	0n22	23 13	1 21	7 19	2 2	15 24	1 26	8 36	1 23	22 12	0 22	17 10	0 17	16 8	0 29	19 44	3 48	13 54	13 31	17 25	17 21	5 27
F 17	20 49	17 42	1 44	23 39	1 28	7 44	2 2	15 13	1 25	8 35	1 23	22 11	0 22	17 11	0 17	16 7	0 29	19 44	3 48	13 54	13 30	17 25	17 21	5 28
S 18	21 0	19 18	2 58	24 3	1 35	8 10	2 2	15 3	1 24	8 34	1 23	22 10	0 22	17 12	0 17	16 7	0 29	19 44	3 48	13 53	13 29	17 26	17 20	5 28
S 19	21 11	19 30	3 59	24 24	1 41	8 35	2 2	14 51	1 22	8 32	1 22	22 9	0 22	17 13	0 17	16 7	0 29	19 44	3 48	13 52	13 28	17 27	17 19	5 28
M20	21 21	18 20	4 43	24 42	1 47	9 0	2 2	14 40	1 21	8 31	1 22	22 8	0 22	17 14	0 17	16 7	0 29	19 44	3 48	13 51	13 27	17 28	17 19	5 28
T 21	21 31	16 1	5 8	24 57	1 51	9 25	2 2	14 29	1 20	8 29	1 22	22 7	0 22	17 15	0 17	16 6	0 29	19 44	3 48	13 50	13 26	17 29	17 18	5 29
W22	21 40	12 49	5 13	25 10	1 55	9 50	2 2	14 18	1 19	8 27	1 22	22 6	0 22	17 16	0 17	16 6	0 29	19 44	3 48	13 49	13 25	17 29	17 17	5 29
T 23	21 49	9 3	5 0	25 20	1 59	10 14	2 2	14 6	1 17	8 26	1 22	22 5	0 23	17 16	0 17	16 6	0 29	19 44	3 47	13 48	13 24	17 30	17 17	5 29
F 24	21 58	4 57	4 32	25 28	2 1	10 39	2 1	13 55	1 16	8 24	1 21	22 5	0 23	17 17	0 17	16 5	0 29	19 44	3 47	13 48	13 23	17 31	17 16	5 29
S 25	22 7	0 45	3 51	25 33	2 3	11 3	2 1	13 43	1 15	8 22	1 21	22 4	0 23	17 18	0 17	16 5	0 29	19 44	3 47	13 48	13 22	17 32	17 15	5 30
S 26	22 15	3n22	3 1	25 35	2 4	11 27	2 0	13 31	1 14	8 20	1 21	22 3	0 23	17 19	0 17	16 5	0 29	19 44	3 47	13 48	13 21	17 32	17 15	5 30
M27	22 22	7 17	2 3	25 36	2 4	11 51	1 59	13 19	1 13	8 18	1 21	22 2	0 23	17 20	0 17	16 4	0 29	19 44	3 47	13 49	13 20	17 33	17 14	5 30
T 28	22 30	10 52	1 1	25 34	2 4	12 14	1 59	13 7	1 12	8 16	1 20	22 1	0 23	17 21	0 17	16 4	0 29	19 45	3 47	13 49	13 18	17 34	17 13	5 30
W29	22 37	13 58	0s 3	25 31	2 2	12 38	1 58	12 55	1 11	8 14	1 20	21 59	0 23	17 22	0 17	16 4	0 29	19 45	3 47	13 49	13 17	17 35	17 13	5 30
T 30	22 43	16 30	1 7	25 25	2 1	13 1	1 57	12 43	1 9	8 12	1 20	21 58	0 23	17 23	0 17	16 3	0 29	19 45	3 47	13 49	13 16	17 35	17 12	5 30
F 31	22n49	18n20	2s 8	25n17	1n58	13n24	1s56	12n31	1n 8	8n10	1n20	21n57	0n23	17n24	0s17	16n 3	0n29	19s45	3n47	13s48	13s15	17n36	17s12	5n31

Julian Day Number = 2184680.5, Delta T = 11m13s
Ecliptic obliquity = 23°31'55, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'02, Lahiri = 13°40'02 Julian Calendar 1 May 1269 == Greg. Calendar 8 May 1269

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

JUNE 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 7 1	17♊12'15	12♊47	8♋55	12♉20	0♍43	12♍28	23♋ 1	19♉31	17♎44	28°R52	6°R37	5♏ 0	26♉32	14°R48	S 1
S 2	17 10 57	18° 9'30	24°43	10°28	13°31	1°15	12°33	23° 8	19°34	17°46	28♐51	6♏31	4°57	26°39	14♐44	S 2
M 3	17 14 54	19° 6'44	6♋46	11°57	14°42	1°47	12°39	23°15	19°37	17°47	28°49	6°23	4°53	26°46	14°40	M 3
T 4	17 18 50	20° 3'57	18°58	13°24	15°52	2°19	12°45	23°22	19°40	17°48	28°48	6°16	4°50	26°52	14°36	T 4
W 5	17 22 47	21° 1'10	1♌20	14°49	17° 3	2°51	12°50	23°29	19°43	17°50	28°46	6° 8	4°47	26°59	14°32	W 5
T 6	17 26 43	21°58'23	13°53	16°11	18°14	3°24	12°56	23°36	19°46	17°51	28°45	6° 1	4°44	27° 6	14°28	T 6
F 7	17 30 40	22°55'35	26°40	17°30	19°25	3°56	13° 3	23°43	19°49	17°52	28°43	5°57	4°41	27°12	14°24	F 7
S 8	17 34 36	23°52'46	9♍43	18°47	20°36	4°29	13° 9	23°50	19°52	17°54	28°42	5°54	4°37	27°19	14°20	S 8
S 9	17 38 33	24°49'57	23° 4	20° 1	21°47	5° 2	13°15	23°57	19°55	17°55	28°40	5°D53	4°34	27°26	14°16	S 9
M10	17 42 30	25°47'08	6♎44	21°12	22°58	5°35	13°22	24° 4	19°58	17°57	28°39	5°53	4°31	27°32	14°12	M10
T 11	17 46 26	26°44'18	20°46	22°20	24° 9	6° 8	13°28	24°11	20° 1	17°58	28°37	5°54	4°28	27°39	14° 8	T 11
W12	17 50 23	27°41'27	5♏ 9	23°25	25°20	6°42	13°35	24°18	20° 4	18° 0	28°36	5°R55	4°25	27°46	14° 4	W12
T 13	17 54 19	28°38'37	19°51	24°27	26°31	7°15	13°42	24°25	20° 7	18° 2	28°34	5°54	4°22	27°52	14° 0	T 13
F 14	17 58 16	29°35'46	4♐47	25°26	27°42	7°48	13°49	24°33	20°10	18° 3	28°33	5°51	4°18	27°59	13°57	F 14
S 15	18 2 12	0♋32'55	19°50	26°22	28°54	8°22	13°56	24°40	20°13	18° 5	28°31	5°46	4°15	28° 6	13°53	S 15
S 16	18 6 9	1°30'04	4♑52	27°15	0♊ 5	8°56	14° 4	24°47	20°16	18° 6	28°29	5°39	4°12	28°12	13°49	S 16
M17	18 10 5	2°27'13	19°42	28° 4	1°16	9°30	14°11	24°55	20°19	18° 8	28°28	5°31	4° 9	28°19	13°45	M17
T 18	18 14 2	3°24'22	4♒13	28°49	2°28	10° 4	14°19	25° 2	20°21	18°10	28°26	5°22	4° 6	28°26	13°42	T 18
W19	18 17 59	4°21'31	18°18	29°31	3°39	10°38	14°26	25° 9	20°24	18°11	28°25	5°14	4° 3	28°32	13°38	W19
T 20	18 21 55	5°18'41	1♓55	0♌ 9	4°51	11°12	14°34	25°17	20°27	18°13	28°23	5° 8	3°59	28°39	13°34	T 20
F 21	18 25 52	6°15'51	15° 5	0°44	6° 2	11°46	14°42	25°24	20°29	18°15	28°22	5° 4	3°56	28°46	13°31	F 21
S 22	18 29 48	7°13'01	27°48	1°14	7°14	12°20	14°50	25°32	20°32	18°17	28°20	5° 2	3°53	28°52	13°27	S 22
S 23	18 33 45	8°10'12	10♈10	1°40	8°25	12°55	14°58	25°39	20°35	18°18	28°19	5°D 1	3°50	28°59	13°24	S 23
M24	18 37 41	9° 7'24	22°16	2° 1	9°37	13°30	15° 7	25°47	20°37	18°20	28°17	5° 2	3°47	29° 6	13°20	M24
T 25	18 41 38	10° 4'36	4♉10	2°18	10°49	14° 4	15°15	25°54	20°40	18°22	28°16	5°R 2	3°43	29°12	13°17	T 25
W26	18 45 34	11° 1'48	15°59	2°31	12° 1	14°39	15°24	26° 2	20°42	18°24	28°14	5° 2	3°40	29°19	13°14	W26
T 27	18 49 31	11°59'02	27°46	2°38	13°13	15°14	15°32	26° 9	20°45	18°26	28°13	4°59	3°37	29°26	13°10	T 27
F 28	18 53 28	12°56'16	9♊36	2°R41	14°24	15°49	15°41	26°17	20°47	18°28	28°12	4°54	3°34	29°32	13° 7	F 28
S 29	18 57 24	13°53'30	21°31	2°39	15°36	16°24	15°50	26°25	20°50	18°29	28°10	4°47	3°31	29°39	13° 4	S 29
S 30	19 1 21	14♋50'45	3♋36	2♌32	16♊48	17♍ 0	15♍59	26♋32	20♉52	18♎31	28♐ 9	4♏37	3♏28	29♉46	13♐ 1	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n55	19n23	3s 3	25n 8	1n55	13n47	1s55	12n19	1n 7	8n 8	1n20	21n56	0n23	17n24	0s17	16n 2	0n29	19s45	3n47	13s47	13s14	17n37	17s11	5n31
S 2	23 0	19 35	3 51	24 57	1 51	14 9	1 54	12 6	1 6	8 6	1 19	21 55	0 23	17 25	0 17	16 2	0 29	19 45	3 47	13 45	13 13	17 38	17 11	5 31
M 3	23 5	18 53	4 29	24 45	1 46	14 31	1 53	11 54	1 5	8 3	1 19	21 54	0 23	17 26	0 17	16 2	0 29	19 45	3 47	13 42	13 12	17 38	17 10	5 31
T 4	23 9	17 19	4 55	24 31	1 41	14 53	1 51	11 41	1 4	8 1	1 19	21 53	0 23	17 27	0 17	16 1	0 29	19 45	3 47	13 40	13 11	17 39	17 9	5 31
W 5	23 14	14 56	5 7	24 16	1 35	15 14	1 50	11 28	1 3	7 59	1 19	21 52	0 23	17 28	0 17	16 1	0 29	19 45	3 47	13 37	13 10	17 40	17 9	5 31
T 6	23 17	11 50	5 6	24 0	1 28	15 35	1 49	11 15	1 2	7 56	1 19	21 51	0 23	17 29	0 17	16 0	0 29	19 45	3 46	13 35	13 9	17 40	17 8	5 31
F 7	23 21	8 9	4 49	23 43	1 21	15 56	1 47	11 3	1 1	7 54	1 18	21 50	0 23	17 30	0 17	16 0	0 29	19 45	3 46	13 33	13 8	17 41	17 8	5 31
S 8	23 23	3 59	4 17	23 25	1 13	16 16	1 45	10 50	1 0	7 51	1 18	21 48	0 24	17 30	0 17	15 59	0 29	19 45	3 46	13 32	13 7	17 42	17 7	5 31
S 9	23 26	0s27	3 30	23 6	1 5	16 37	1 44	10 37	0 59	7 48	1 18	21 47	0 24	17 31	0 17	15 59	0 29	19 45	3 46	13 32	13 6	17 43	17 7	5 31
M10	23 28	4 59	2 31	22 47	0 56	16 56	1 42	10 23	0 58	7 46	1 18	21 46	0 24	17 32	0 17	15 59	0 29	19 45	3 46	13 32	13 5	17 43	17 6	5 31
T 11	23 29	9 23	1 21	22 26	0 47	17 16	1 40	10 10	0 56	7 43	1 18	21 45	0 24	17 33	0 17	15 58	0 29	19 46	3 46	13 32	13 4	17 44	17 6	5 31
W12	23 31	13 21	0 4	22 6	0 37	17 34	1 39	9 57	0 55	7 40	1 17	21 44	0 24	17 34	0 17	15 58	0 29	19 46	3 46	13 33	13 2	17 45	17 6	5 31
T 13	23 31	16 34	1n14	21 44	0 26	17 53	1 37	9 43	0 54	7 37	1 17	21 43	0 24	17 34	0 17	15 57	0 29	19 46	3 46	13 32	13 1	17 45	17 5	5 31
F 14	23 32	18 44	2 29	21 23	0 15	18 11	1 35	9 30	0 53	7 34	1 17	21 41	0 24	17 35	0 17	15 57	0 29	19 46	3 46	13 31	13 0	17 46	17 5	5 31
S 15	23 32	19 36	3 33	21 1	0 4	18 29	1 33	9 16	0 52	7 31	1 17	21 40	0 24	17 36	0 17	15 56	0 29	19 46	3 46	13 30	12 59	17 47	17 4	5 31
S 16	23 31	19 4	4 23	20 39	0s 8	18 46	1 31	9 3	0 51	7 28	1 17	21 39	0 24	17 37	0 17	15 56	0 29	19 46	3 45	13 27	12 58	17 47	17 4	5 31
M17	23 31	17 14	4 54	20 18	0 21	19 3	1 29	8 49	0 50	7 25	1 16	21 38	0 24	17 37	0 17	15 55	0 29	19 46	3 45	13 25	12 57	17 48	17 3	5 31
T 18	23 29	14 20	5 5	19 56	0 33	19 19	1 27	8 35	0 49	7 22	1 16	21 36	0 24	17 38	0 17	15 55	0 29	19 46	3 45	13 22	12 56	17 49	17 3	5 31
W19	23 28	10 41	4 58	19 34	0 47	19 35	1 25	8 21	0 48	7 19	1 16	21 35	0 24	17 39	0 17	15 54	0 29	19 46	3 45	13 19	12 55	17 50	17 3	5 31
T 20	23 25	6 35	4 33	19 13	1 0	19 50	1 22	8 7	0 47	7 16	1 16	21 34	0 24	17 40	0 17	15 53	0 29	19 46	3 45	13 17	12 54	17 50	17 2	5 31
F 21	23 23	2 18	3 55	18 52	1 14	20 5	1 20	7 53	0 46	7 13	1 16	21 32	0 24	17 40	0 17	15 53	0 29	19 46	3 45	13 16	12 53	17 51	17 2	5 31
S 22	23 20	1n58	3 6	18 32	1 28	20 19	1 18	7 39	0 45	7 9	1 16	21 31	0 25	17 41	0 17	15 52	0 29	19 47	3 45	13 15	12 52	17 52	17 2	5 31
S 23	23 17	6 1	2 9	18 12	1 42	20 33	1 15	7 25	0 44	7 6	1 15	21 30	0 25	17 42	0 17	15 52	0 29	19 47	3 45	13 15	12 51	17 52	17 1	5 31
M24	23 13	9 45	1 8	17 53	1 57	20 46	1 13	7 11	0 43	7 3	1 15	21 29	0 25	17 42	0 17	15 51	0 29	19 47	3 45	13 15	12 50	17 53	17 1	5 31
T 25	23 9	13 2	0 5	17 35	2 11	20 59	1 11	6 57	0 43	6 59	1 15	21 27	0 25	17 43	0 17	15 51	0 29	19 47	3 44	13 15	12 48	17 53	17 1	5 31
W26	23 4	15 45	0s58	17 18	2 26	21 11	1 8	6 42	0 42	6 56	1 15	21 26	0 25	17 44	0 17	15 50	0 29	19 47	3 44	13 15	12 47	17 54	17 0	5 31
T 27	22 59	17 49	1 58	17 2	2 41	21 23	1 6	6 28	0 41	6 52	1 15	21 24	0 25	17 44	0 17	15 50	0 29	19 47	3 44	13 14	12 46	17 55	17 0	5 30
F 28	22 54	19 7	2 53	16 48	2 55	21 34	1 3	6 13	0 40	6 49	1 15	21 23	0 25	17 45	0 17	15 49	0 29	19 47	3 44	13 12	12 45	17 55	17 0	5 30
S 29	22 48	19 35	3 41	16 34	3 9	21 45	1 1	5 59	0 39	6 45	1 14	21 22	0 25	17 46	0 17	15 48	0 29	19 47	3 44	13 10	12 44	17 56	17 0	5 30
S 30	22n42	19n10	4s19	16n22	3s23	21n55	0s58	5n44	0n38	6n41	1n14	21n20	0n25	17n46	0s17	15n48	0n29	19s47	3n44	13s 6	12s43	17n57	16s59	5n30

Julian Day Number = 2184711.5, Delta T = 11m13s
Ecliptic obliquity = 23°31'55, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'06, Lahiri = 13°40'07 Julian Calendar 1 June 1269 == Greg. Calendar 8 June 1269

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

JULY 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 5 17	15♋48'01	15♋51	2°R21	18♊ 0	17♍35	16♍ 8	26♋40	20♉55	18♌33	28°R 7	4°R25	3♏24	29♉52	12°R58	M 1
T 2	19 9 14	16°45'17	28°17	2♌ 4	19°12	18°11	16°17	26°47	20°57	18°35	28♐ 6	4♏13	3°21	29°59	12♐55	T 2
W 3	19 13 10	17°42'33	10♌54	1°43	20°25	18°46	16°26	26°55	20°59	18°37	28° 4	4° 1	3°18	0♊ 6	12°52	W 3
T 4	19 17 7	18°39'51	23°44	1°18	21°37	19°22	16°36	27° 3	21° 1	18°39	28° 3	3°50	3°15	0°12	12°49	T 4
F 5	19 21 3	19°37'08	6♍45	0°48	22°49	19°58	16°45	27°11	21° 4	18°41	28° 2	3°42	3°12	0°19	12°46	F 5
S 6	19 25 0	20°34'26	19°58	0°15	24° 1	20°34	16°55	27°18	21° 6	18°43	28° 0	3°36	3° 9	0°25	12°43	S 6
S 7	19 28 57	21°31'44	3♎24	29♋38	25°13	21°10	17° 4	27°26	21° 8	18°45	27°59	3°33	3° 5	0°32	12°41	S 7
M 8	19 32 53	22°29'03	17° 4	28°59	26°26	21°46	17°14	27°34	21°10	18°47	27°58	3°32	3° 2	0°39	12°38	M 8
T 9	19 36 50	23°26'22	0♏59	28°17	27°38	22°22	17°24	27°41	21°12	18°49	27°56	3°32	2°59	0°45	12°36	T 9
W10	19 40 46	24°23'42	15° 8	27°33	28°51	22°58	17°34	27°49	21°14	18°51	27°55	3°32	2°56	0°52	12°33	W10
T 11	19 44 43	25°21'02	29°32	26°49	0♌ 3	23°35	17°44	27°57	21°16	18°53	27°54	3°30	2°53	0°59	12°31	T 11
F 12	19 48 39	26°18'23	14♐ 8	26° 5	1°15	24°11	17°54	28° 5	21°18	18°55	27°52	3°26	2°49	1° 5	12°29	F 12
S 13	19 52 36	27°15'45	28°50	25°21	2°28	24°48	18° 4	28°12	21°20	18°58	27°51	3°19	2°46	1°12	12°26	S 13
S 14	19 56 33	28°13'07	13♑33	24°40	3°41	25°24	18°14	28°20	21°22	19° 0	27°50	3°10	2°43	1°19	12°24	S 14
M15	20 0 29	29°10'30	28° 8	24° 0	4°53	26° 1	18°25	28°28	21°23	19° 2	27°48	2°59	2°40	1°25	12°22	M15
T 16	20 4 26	0♌ 7'54	12♒28	23°24	6° 6	26°38	18°35	28°35	21°25	19° 4	27°47	2°47	2°37	1°32	12°20	T 16
W17	20 8 22	1° 5'19	26°28	22°51	7°19	27°15	18°46	28°43	21°27	19° 6	27°46	2°37	2°34	1°39	12°18	W17
T 18	20 12 19	2° 2'45	10♓ 3	22°23	8°31	27°52	18°56	28°51	21°28	19° 8	27°45	2°28	2°30	1°45	12°16	T 18
F 19	20 16 15	3° 0'13	23°12	22° 0	9°44	28°29	19° 7	28°59	21°30	19°10	27°44	2°21	2°27	1°52	12°15	F 19
S 20	20 20 12	3°57'41	5♈56	21°43	10°57	29° 6	19°18	29° 6	21°32	19°12	27°43	2°17	2°24	1°59	12°13	S 20
S 21	20 24 8	4°55'11	18°20	21°32	12°10	29°43	19°28	29°14	21°33	19°15	27°41	2°15	2°21	2° 5	12°11	S 21
M22	20 28 5	5°52'43	0♉26	21°D27	13°23	0♎21	19°39	29°22	21°35	19°17	27°40	2°15	2°18	2°12	12°10	M22
T 23	20 32 1	6°50'15	12°22	21°29	14°36	0°58	19°50	29°29	21°36	19°19	27°39	2°15	2°15	2°19	12° 8	T 23
W24	20 35 58	7°47'50	24°11	21°37	15°49	1°36	20° 1	29°37	21°37	19°21	27°38	2°14	2°11	2°25	12° 7	W24
T 25	20 39 55	8°45'25	6♊ 0	21°53	17° 2	2°14	20°12	29°45	21°39	19°23	27°37	2°12	2° 8	2°32	12° 6	T 25
F 26	20 43 51	9°43'03	17°53	22°16	18°15	2°51	20°24	29°52	21°40	19°26	27°36	2° 7	2° 5	2°39	12° 4	F 26
S 27	20 47 48	10°40'42	29°55	22°46	19°28	3°29	20°35	0♌ 0	21°41	19°28	27°35	1°59	2° 2	2°45	12° 3	S 27
S 28	20 51 44	11°38'22	12♋ 8	23°23	20°42	4° 7	20°46	0° 8	21°42	19°30	27°34	1°49	1°59	2°52	12° 2	S 28
M29	20 55 41	12°36'03	24°35	24° 7	21°55	4°45	20°58	0°15	21°44	19°32	27°33	1°37	1°55	2°59	12° 1	M29
T 30	20 59 37	13°33'47	7♌16	24°58	23° 8	5°23	21° 9	0°23	21°45	19°34	27°32	1°25	1°52	3° 5	12° 1	T 30
W31	21 3 34	14♌31'31	20♌13	25♋56	24♋22	6♎ 1	21♍21	0♌31	21♉46	19♌37	27♐31	1♏12	1♏49	3♊12	12♐ 0	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n36	17n51	4s46	16n12	3s36	22n 4	0s56	5n29	0n37	6n38	1n14	21n19	0n25	17n47	0s17	15n47	0n29	19s48	3n44	13s 3	12s42	17n57	16s59	5n30
T 2	22 29	15 41	5 0	16 3	3 49	22 13	0 53	5 15	0 36	6 34	1 14	21 18	0 25	17 48	0 17	15 47	0 29	19 48	3 43	12 58	12 41	17 58	16 59	5 30
W 3	22 21	12 46	4 59	15 56	4 1	22 21	0 50	5 0	0 35	6 30	1 14	21 16	0 25	17 48	0 17	15 46	0 29	19 48	3 43	12 54	12 40	17 59	16 59	5 30
T 4	22 14	9 12	4 44	15 51	4 12	22 28	0 48	4 45	0 34	6 26	1 14	21 15	0 25	17 49	0 17	15 45	0 29	19 48	3 43	12 51	12 39	17 59	16 59	5 29
F 5	22 5	5 9	4 13	15 47	4 22	22 35	0 45	4 30	0 33	6 23	1 13	21 13	0 26	17 49	0 17	15 45	0 29	19 48	3 43	12 48	12 38	18 0	16 58	5 29
S 6	21 57	0 47	3 29	15 46	4 31	22 41	0 42	4 15	0 32	6 19	1 13	21 12	0 26	17 50	0 17	15 44	0 29	19 48	3 43	12 46	12 36	18 0	16 58	5 29
S 7	21 48	3s41	2 32	15 46	4 39	22 47	0 40	4 0	0 31	6 15	1 13	21 10	0 26	17 50	0 17	15 44	0 29	19 48	3 43	12 45	12 35	18 1	16 58	5 29
M 8	21 39	8 3	1 26	15 48	4 45	22 52	0 37	3 45	0 30	6 11	1 13	21 9	0 26	17 51	0 17	15 43	0 29	19 48	3 43	12 45	12 34	18 2	16 58	5 29
T 9	21 29	12 4	0 14	15 52	4 49	22 56	0 34	3 30	0 30	6 7	1 13	21 8	0 26	17 52	0 17	15 42	0 29	19 49	3 42	12 45	12 33	18 2	16 58	5 28
W10	21 19	15 28	1n 1	15 57	4 52	23 0	0 32	3 14	0 29	6 3	1 13	21 6	0 26	17 52	0 17	15 42	0 29	19 49	3 42	12 44	12 32	18 3	16 58	5 28
T 11	21 9	17 58	2 13	16 4	4 54	23 3	0 29	2 59	0 28	5 59	1 13	21 5	0 26	17 53	0 17	15 41	0 29	19 49	3 42	12 44	12 31	18 3	16 58	5 28
F 12	20 58	19 19	3 17	16 13	4 53	23 5	0 26	2 44	0 27	5 55	1 12	21 3	0 26	17 53	0 17	15 40	0 29	19 49	3 42	12 42	12 30	18 4	16 58	5 28
S 13	20 47	19 23	4 9	16 23	4 51	23 7	0 23	2 28	0 26	5 51	1 12	21 2	0 26	17 54	0 17	15 40	0 29	19 49	3 42	12 40	12 29	18 5	16 58	5 27
S 14	20 36	18 8	4 44	16 34	4 47	23 8	0 21	2 13	0 25	5 46	1 12	21 0	0 26	17 54	0 17	15 39	0 29	19 49	3 42	12 37	12 28	18 5	16 58	5 27
M15	20 24	15 43	5 0	16 47	4 41	23 9	0 18	1 58	0 24	5 42	1 12	20 59	0 26	17 55	0 17	15 38	0 29	19 49	3 41	12 33	12 27	18 6	16 58	5 27
T 16	20 12	12 23	4 57	17 1	4 33	23 8	0 15	1 42	0 23	5 38	1 12	20 57	0 26	17 55	0 17	15 38	0 29	19 50	3 41	12 29	12 26	18 6	16 58	5 27
W17	20 0	8 25	4 35	17 15	4 24	23 7	0 12	1 27	0 23	5 34	1 12	20 56	0 27	17 55	0 17	15 37	0 29	19 50	3 41	12 26	12 24	18 7	16 58	5 26
T 18	19 47	4 8	3 59	17 30	4 14	23 6	0 10	1 11	0 22	5 30	1 12	20 54	0 27	17 56	0 17	15 36	0 29	19 50	3 41	12 22	12 23	18 7	16 58	5 26
F 19	19 34	0n13	3 11	17 45	4 2	23 3	0 7	0 56	0 21	5 25	1 12	20 53	0 27	17 56	0 17	15 36	0 29	19 50	3 41	12 20	12 22	18 8	16 58	5 26
S 20	19 20	4 25	2 15	18 1	3 49	23 0	0 4	0 40	0 20	5 21	1 11	20 51	0 27	17 57	0 17	15 35	0 29	19 50	3 41	12 19	12 21	18 9	16 58	5 26
S 21	19 7	8 20	1 13	18 16	3 35	22 57	0 2	0 24	0 19	5 17	1 11	20 50	0 27	17 57	0 17	15 34	0 29	19 50	3 40	12 18	12 20	18 9	16 58	5 25
M22	18 53	11 49	0 10	18 32	3 20	22 52	0n 1	0 9	0 18	5 12	1 11	20 48	0 27	17 57	0 17	15 34	0 29	19 50	3 40	12 18	12 19	18 10	16 58	5 25
T 23	18 38	14 46	0s53	18 47	3 4	22 47	0 4	0s 7	0 18	5 8	1 11	20 47	0 27	17 58	0 17	15 33	0 29	19 51	3 40	12 18	12 18	18 10	16 58	5 25
W24	18 23	17 3	1 54	19 1	2 48	22 42	0 6	0 23	0 17	5 3	1 11	20 45	0 27	17 58	0 17	15 32	0 29	19 51	3 40	12 18	12 17	18 11	16 58	5 24
T 25	18 8	18 37	2 49	19 15	2 32	22 35	0 9	0 39	0 16	4 59	1 11	20 44	0 27	17 58	0 17	15 32	0 29	19 51	3 40	12 17	12 16	18 11	16 58	5 24
F 26	17 53	19 23	3 37	19 28	2 15	22 28	0 12	0 55	0 15	4 54	1 11	20 42	0 27	17 59	0 17	15 31	0 29	19 51	3 40	12 15	12 15	18 12	16 58	5 24
S 27	17 38	19 16	4 16	19 39	1 58	22 21	0 14	1 10	0 14	4 50	1 11	20 41	0 27	17 59	0 17	15 30	0 29	19 51	3 39	12 13	12 14	18 12	16 59	5 24
S 28	17 22	18 16	4 44	19 50	1 41	22 12	0 17	1 26	0 13	4 45	1 11	20 39	0 28	17 59	0 17	15 30	0 29	19 51	3 39	12 9	12 12	18 13	16 59	5 23
M29	17 5	16 23	4 59	19 59	1 25	22 4	0 19	1 42	0 13	4 41	1 10	20 37	0 28	18 0	0 17	15 29	0 29	19 52	3 39	12 5	12 11	18 14	16 59	5 23
T 30	16 49	13 42	4 59	20 6	1 8	21 54	0 22	1 58	0 12	4 36	1 10	20 36	0 28	18 0	0 17	15 28	0 29	19 52	3 39	12 1	12 10	18 14	16 59	5 23
W31	16n32	10n18	4s45	20n11	0s52	21n44	0n24	2s14	0n11	4n31	1n10	20n34	0n28	18n 0	0s17	15n28	0n29	19s52	3n39	11s56	12s 9	18n15	16s59	5n22

Julian Day Number = 2184741.5, Delta T = 11m13s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'10, Lahiri = 13°40'11 Julian Calendar 1 July 1269 == Greg. Calendar 8 July 1269

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

AUGUST 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 7 30	15♌29'17	3♍23	27♋ 0	25♋35	6♎40	21♍32	0♌38	21♉47	19♌39	27°R30	1°R 1	1♏46	3♊19	11°R59	T 1
F 2	21 11 27	16°27'04	16°45	28°11	26°48	7°18	21°44	0°46	21°48	19°41	27♐29	0♏53	1°43	3°25	11♐59	F 2
S 3	21 15 24	17°24'52	0♎18	29°27	28° 2	7°56	21°55	0°53	21°49	19°43	27°29	0°47	1°40	3°32	11°58	S 3
S 4	21 19 20	18°22'42	14° 0	0♌49	29°15	8°35	22° 7	1° 1	21°49	19°46	27°28	0°44	1°36	3°39	11°58	S 4
M 5	21 23 17	19°20'33	27°50	2°16	0♌29	9°14	22°19	1° 8	21°50	19°48	27°27	0°D43	1°33	3°45	11°57	M 5
T 6	21 27 13	20°18'25	11♏48	3°48	1°43	9°52	22°31	1°16	21°51	19°50	27°26	0°43	1°30	3°52	11°57	T 6
W 7	21 31 10	21°16'18	25°53	5°24	2°56	10°31	22°43	1°23	21°52	19°52	27°25	0°R43	1°27	3°59	11°57	W 7
T 8	21 35 6	22°14'13	10♐ 4	7° 5	4°10	11°10	22°55	1°31	21°52	19°54	27°25	0°42	1°24	4° 5	11°D57	T 8
F 9	21 39 3	23°12'09	24°21	8°48	5°24	11°49	23° 7	1°38	21°53	19°57	27°24	0°38	1°21	4°12	11°57	F 9
S 10	21 42 59	24°10'06	8♑40	10°35	6°37	12°28	23°19	1°45	21°54	19°59	27°23	0°33	1°17	4°19	11°57	S 10
S 11	21 46 56	25° 8'05	22°57	12°25	7°51	13° 7	23°31	1°53	21°54	20° 1	27°23	0°24	1°14	4°25	11°57	S 11
M12	21 50 53	26° 6'05	7♒ 7	14°17	9° 5	13°46	23°43	2° 0	21°55	20° 3	27°22	0°15	1°11	4°32	11°58	M12
T 13	21 54 49	27° 4'07	21° 5	16°10	10°19	14°25	23°55	2° 7	21°55	20° 6	27°21	0° 5	1° 8	4°39	11°58	T 13
W14	21 58 46	28° 2'10	4♓47	18° 5	11°33	15° 5	24° 7	2°14	21°55	20° 8	27°21	29♎55	1° 5	4°45	11°59	W14
T 15	22 2 42	29° 0'15	18°10	20° 0	12°47	15°44	24°20	2°22	21°56	20°10	27°20	29°47	1° 1	4°52	11°59	T 15
F 16	22 6 39	29°58'22	1♈11	21°57	14° 1	16°24	24°32	2°29	21°56	20°12	27°20	29°41	0°58	4°59	12° 0	F 16
S 17	22 10 35	0♍56'31	13°51	23°53	15°15	17° 3	24°44	2°36	21°56	20°14	27°19	29°38	0°55	5° 5	12° 1	S 17
S 18	22 14 32	1°54'42	26°13	25°50	16°29	17°43	24°57	2°43	21°56	20°17	27°19	29°D36	0°52	5°12	12° 1	S 18
M19	22 18 28	2°52'54	8♉20	27°46	17°43	18°23	25° 9	2°50	21°56	20°19	27°19	29°36	0°49	5°19	12° 2	M19
T 20	22 22 25	3°51'09	20°16	29°43	18°57	19° 3	25°22	2°57	21°R56	20°21	27°18	29°37	0°46	5°25	12° 3	T 20
W21	22 26 22	4°49'26	2♊ 6	1♍38	20°11	19°42	25°34	3° 4	21°56	20°23	27°18	29°R38	0°42	5°32	12° 4	W21
T 22	22 30 18	5°47'45	13°56	3°33	21°25	20°22	25°47	3°11	21°56	20°25	27°17	29°38	0°39	5°39	12° 6	T 22
F 23	22 34 15	6°46'06	25°51	5°28	22°40	21° 3	25°59	3°18	21°56	20°27	27°17	29°36	0°36	5°45	12° 7	F 23
S 24	22 38 11	7°44'29	7♋56	7°21	23°54	21°43	26°12	3°25	21°56	20°30	27°17	29°32	0°33	5°52	12° 8	S 24
S 25	22 42 8	8°42'55	20°14	9°13	25° 8	22°23	26°25	3°32	21°56	20°32	27°17	29°25	0°30	5°59	12°10	S 25
M26	22 46 4	9°41'22	2♌49	11° 5	26°22	23° 3	26°37	3°39	21°56	20°34	27°16	29°18	0°26	6° 5	12°11	M26
T 27	22 50 1	10°39'52	15°43	12°56	27°37	23°44	26°50	3°45	21°55	20°36	27°16	29° 9	0°23	6°12	12°13	T 27
W28	22 53 57	11°38'23	28°56	14°45	28°51	24°24	27° 3	3°52	21°55	20°38	27°16	29° 1	0°20	6°19	12°15	W28
T 29	22 57 54	12°36'57	12♍27	16°34	0♍ 6	25° 5	27°15	3°59	21°54	20°40	27°16	28°53	0°17	6°25	12°17	T 29
F 30	23 1 51	13°35'32	26°13	18°21	1°20	25°45	27°28	4° 5	21°54	20°42	27°16	28°48	0°14	6°32	12°19	F 30
S 31	23 5 47	14♍34'09	10♎11	20♍ 8	2♍35	26♎26	27♍41	4♌12	21♉54	20♌44	27♐16	28♎44	0♏11	6♊39	12♐21	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n15	6n21	4s15	20n14	0s37	21n33	0n27	2s30	0n10	4n27	1n10	20n33	0n28	18n 1	0s17	15n27	0n29	19s52	3n38	11s52	12s 8	18n15	17s 0	5n22
F 2	15 58	2 1	3 31	20 15	0 21	21 21	0 29	2 46	0 9	4 22	1 10	20 31	0 28	18 1	0 17	15 26	0 29	19 52	3 38	11 49	12 7	18 16	17 0	5 22
S 3	15 40	2s28	2 34	20 14	0 7	21 9	0 32	3 2	0 9	4 17	1 10	20 30	0 28	18 1	0 17	15 26	0 29	19 52	3 38	11 47	12 6	18 16	17 0	5 21
S 4	15 23	6 53	1 28	20 10	0n 7	20 56	0 34	3 18	0 8	4 12	1 10	20 28	0 28	18 1	0 17	15 25	0 29	19 53	3 38	11 46	12 5	18 17	17 1	5 21
M 5	15 5	10 59	0 15	20 3	0 20	20 43	0 36	3 34	0 7	4 8	1 10	20 27	0 28	18 1	0 17	15 24	0 30	19 53	3 38	11 46	12 4	18 17	17 1	5 21
T 6	14 46	14 30	0n59	19 54	0 32	20 29	0 39	3 50	0 6	4 3	1 10	20 25	0 28	18 2	0 17	15 23	0 30	19 53	3 37	11 46	12 2	18 18	17 1	5 20
W 7	14 28	17 12	2 10	19 42	0 43	20 14	0 41	4 6	0 5	3 58	1 10	20 24	0 29	18 2	0 17	15 23	0 30	19 53	3 37	11 46	12 1	18 18	17 1	5 20
T 8	14 9	18 52	3 13	19 26	0 54	19 59	0 43	4 22	0 5	3 53	1 10	20 22	0 29	18 2	0 17	15 22	0 30	19 53	3 37	11 46	12 0	18 19	17 2	5 20
F 9	13 50	19 20	4 5	19 9	1 3	19 43	0 45	4 38	0 4	3 48	1 9	20 20	0 29	18 2	0 17	15 21	0 30	19 54	3 37	11 44	11 59	18 19	17 2	5 19
S 10	13 31	18 34	4 42	18 48	1 12	19 27	0 47	4 54	0 3	3 44	1 9	20 19	0 29	18 2	0 17	15 21	0 30	19 54	3 37	11 42	11 58	18 20	17 2	5 19
S 11	13 12	16 38	5 1	18 25	1 19	19 10	0 49	5 10	0 2	3 39	1 9	20 17	0 29	18 2	0 17	15 20	0 30	19 54	3 36	11 40	11 57	18 20	17 3	5 19
M12	12 52	13 42	5 1	17 59	1 26	18 53	0 51	5 26	0 2	3 34	1 9	20 16	0 29	18 2	0 17	15 19	0 30	19 54	3 36	11 36	11 56	18 21	17 3	5 18
T 13	12 32	10 3	4 44	17 31	1 32	18 35	0 53	5 42	0 1	3 29	1 9	20 14	0 29	18 3	0 17	15 19	0 30	19 54	3 36	11 33	11 55	18 21	17 4	5 18
W14	12 12	5 55	4 10	17 0	1 36	18 16	0 55	5 58	0 0	3 24	1 9	20 13	0 29	18 3	0 17	15 18	0 30	19 54	3 36	11 29	11 54	18 22	17 4	5 17
T 15	11 52	1 35	3 23	16 27	1 40	17 57	0 57	6 14	0s 1	3 19	1 9	20 11	0 29	18 3	0 17	15 17	0 30	19 55	3 36	11 26	11 53	18 22	17 4	5 17
F 16	11 32	2n42	2 26	15 53	1 43	17 38	0 59	6 30	0 1	3 14	1 9	20 10	0 29	18 3	0 17	15 17	0 30	19 55	3 35	11 24	11 51	18 22	17 5	5 17
S 17	11 11	6 46	1 23	15 16	1 45	17 18	1 1	6 46	0 2	3 9	1 9	20 8	0 30	18 3	0 17	15 16	0 30	19 55	3 35	11 23	11 50	18 23	17 5	5 16
S 18	10 50	10 26	0 18	14 38	1 47	16 57	1 2	7 1	0 3	3 4	1 9	20 7	0 30	18 3	0 17	15 15	0 30	19 55	3 35	11 23	11 49	18 23	17 6	5 16
M19	10 29	13 36	0s47	13 58	1 47	16 36	1 4	7 17	0 4	2 59	1 9	20 5	0 30	18 3	0 17	15 14	0 30	19 55	3 35	11 23	11 48	18 24	17 6	5 16
T 20	10 8	16 8	1 49	13 18	1 47	16 14	1 6	7 33	0 4	2 54	1 9	20 4	0 30	18 3	0 17	15 14	0 30	19 56	3 35	11 23	11 47	18 24	17 7	5 15
W21	9 47	17 57	2 46	12 36	1 47	15 52	1 7	7 49	0 5	2 49	1 9	20 2	0 30	18 3	0 17	15 13	0 30	19 56	3 34	11 23	11 46	18 25	17 7	5 15
T 22	9 25	19 0	3 35	11 53	1 45	15 30	1 9	8 5	0 6	2 44	1 9	20 1	0 30	18 3	0 17	15 12	0 30	19 56	3 34	11 23	11 45	18 25	17 8	5 15
F 23	9 4	19 12	4 16	11 9	1 43	15 7	1 10	8 21	0 7	2 39	1 9	19 59	0 30	18 3	0 17	15 12	0 30	19 56	3 34	11 22	11 44	18 26	17 8	5 14
S 24	8 42	18 32	4 46	10 24	1 41	14 44	1 12	8 36	0 7	2 34	1 9	19 58	0 30	18 3	0 17	15 11	0 30	19 56	3 34	11 21	11 42	18 26	17 9	5 14
S 25	8 20	17 0	5 3	9 39	1 38	14 20	1 13	8 52	0 8	2 29	1 9	19 56	0 30	18 3	0 17	15 10	0 30	19 57	3 34	11 19	11 41	18 26	17 9	5 14
M26	7 58	14 38	5 7	8 54	1 35	13 56	1 14	9 8	0 9	2 24	1 8	19 55	0 31	18 3	0 17	15 10	0 30	19 57	3 33	11 16	11 40	18 27	17 10	5 13
T 27	7 36	11 29	4 55	8 8	1 31	13 32	1 15	9 24	0 10	2 19	1 8	19 53	0 31	18 3	0 17	15 9	0 30	19 57	3 33	11 13	11 39	18 27	17 11	5 13
W28	7 13	7 43	4 27	7 22	1 27	13 7	1 17	9 39	0 10	2 13	1 8	19 52	0 31	18 3	0 17	15 8	0 30	19 57	3 33	11 10	11 38	18 28	17 11	5 12
T 29	6 51	3 28	3 44	6 35	1 22	12 41	1 18	9 55	0 11	2 8	1 8	19 50	0 31	18 2	0 17	15 8	0 30	19 57	3 33	11 7	11 37	18 28	17 12	5 12
F 30	6 29	1s 2	2 47	5 48	1 17	12 16	1 19	10 10	0 12	2 3	1 8	19 49	0 31	18 2	0 17	15 7	0 30	19 58	3 33	11 5	11 36	18 29	17 12	5 12
S 31	6n 6	5s34	1s39	5n 2	1n12	11n50	1n20	10s26	0s12	1n58	1n 8	19n47	0n31	18n 2	0s17	15n 6	0n30	19s58	3n32	11s 4	11s35	18n29	17s13	5n11

Julian Day Number = 2184772.5, Delta T = 11m13s
Ecliptic obliquity = 23°31'55, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'14, Lahiri = 13°40'15 Julian Calendar 1 Aug. 1269 == Greg. Calendar 8 Aug. 1269

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

SEPTEMBER 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 9 44	15♍32'48	24♎17	21♍53	3♍49	27♎ 7	27♍54	4♌18	21°R53	20♌46	27°D16	28°D43	0♏ 7	6♊45	12♐23	S 1
M 2	23 13 40	16°31'29	8♏28	23°38	5° 4	27°48	28° 7	4°25	21♉52	20°48	27♐16	28♎43	0° 4	6°52	12°25	M 2
T 3	23 17 37	17°30'12	22°41	25°21	6°18	28°29	28°20	4°31	21°52	20°51	27°16	28°44	0° 1	6°59	12°27	T 3
W 4	23 21 33	18°28'57	6♐54	27° 3	7°33	29°10	28°32	4°37	21°51	20°53	27°16	28°45	29♎58	7° 6	12°29	W 4
T 5	23 25 30	19°27'43	21° 4	28°45	8°48	29°51	28°45	4°44	21°50	20°55	27°16	28°R46	29°55	7°12	12°32	T 5
F 6	23 29 26	20°26'31	5♑10	0♎25	10° 2	0♏32	28°58	4°50	21°49	20°57	27°16	28°45	29°52	7°19	12°34	F 6
S 7	23 33 23	21°25'20	19°11	2° 5	11°17	1°13	29°11	4°56	21°49	20°59	27°16	28°42	29°48	7°26	12°37	S 7
S 8	23 37 19	22°24'12	3♒ 4	3°43	12°32	1°54	29°24	5° 2	21°48	21° 1	27°16	28°38	29°45	7°32	12°40	S 8
M 9	23 41 16	23°23'05	16°47	5°21	13°46	2°36	29°37	5° 8	21°47	21° 2	27°17	28°33	29°42	7°39	12°42	M 9
T 10	23 45 13	24°22'00	0♓18	6°58	15° 1	3°17	29°50	5°14	21°46	21° 4	27°17	28°27	29°39	7°46	12°45	T 10
W11	23 49 9	25°20'57	13°36	8°34	16°16	3°59	0♎ 3	5°20	21°45	21° 6	27°17	28°22	29°36	7°52	12°48	W11
T 12	23 53 6	26°19'56	26°38	10° 9	17°31	4°40	0°16	5°26	21°44	21° 8	27°18	28°17	29°32	7°59	12°51	T 12
F 13	23 57 2	27°18'57	9♈24	11°43	18°46	5°22	0°29	5°31	21°42	21°10	27°18	28°15	29°29	8° 6	12°54	F 13
S 14	0 0 59	28°18'00	21°54	13°16	20° 1	6° 4	0°42	5°37	21°41	21°12	27°18	28°13	29°26	8°12	12°57	S 14
S 15	0 4 55	29°17'05	4♉10	14°48	21°15	6°46	0°55	5°43	21°40	21°14	27°19	28°D13	29°23	8°19	13° 1	S 15
M16	0 8 52	0♎16'12	16°14	16°20	22°30	7°28	1° 8	5°48	21°39	21°16	27°19	28°14	29°20	8°26	13° 4	M16
T 17	0 12 48	1°15'22	28° 9	17°51	23°45	8°10	1°21	5°54	21°37	21°17	27°20	28°16	29°17	8°32	13° 7	T 17
W18	0 16 45	2°14'34	9♊59	19°21	25° 0	8°52	1°34	5°59	21°36	21°19	27°20	28°18	29°13	8°39	13°11	W18
T 19	0 20 42	3°13'49	21°49	20°50	26°15	9°34	1°47	6° 5	21°35	21°21	27°21	28°19	29°10	8°46	13°14	T 19
F 20	0 24 38	4°13'06	3♋44	22°18	27°30	10°16	2° 0	6°10	21°33	21°23	27°21	28°R19	29° 7	8°52	13°18	F 20
S 21	0 28 35	5°12'25	15°48	23°46	28°45	10°58	2°13	6°15	21°32	21°25	27°22	28°19	29° 4	8°59	13°22	S 21
S 22	0 32 31	6°11'46	28° 6	25°12	0♎ 0	11°40	2°26	6°20	21°30	21°26	27°22	28°17	29° 1	9° 6	13°25	S 22
M23	0 36 28	7°11'10	10♌43	26°38	1°15	12°23	2°39	6°25	21°29	21°28	27°23	28°15	28°57	9°12	13°29	M23
T 24	0 40 24	8°10'36	23°41	28° 3	2°30	13° 5	2°52	6°30	21°27	21°30	27°24	28°12	28°54	9°19	13°33	T 24
W25	0 44 21	9°10'04	7♍ 2	29°27	3°45	13°48	3° 5	6°35	21°25	21°31	27°24	28° 9	28°51	9°26	13°37	W25
T 26	0 48 17	10° 9'35	20°46	0♏50	5° 1	14°31	3°18	6°40	21°24	21°33	27°25	28° 7	28°48	9°32	13°41	T 26
F 27	0 52 14	11° 9'08	4♎50	2°12	6°16	15°13	3°31	6°45	21°22	21°34	27°26	28° 5	28°45	9°39	13°45	F 27
S 28	0 56 11	12° 8'42	19°12	3°33	7°31	15°56	3°44	6°49	21°20	21°36	27°27	28° 4	28°42	9°46	13°49	S 28
S 29	1 0 7	13° 8'19	3♏45	4°53	8°46	16°39	3°57	6°54	21°18	21°38	27°28	28°D 4	28°38	9°52	13°54	S 29
M30	1 4 4	14♎ 7'58	18♏24	6♏12	10♎ 1	17♏22	4♎10	6♌58	21♉17	21♌39	27♐28	28♎ 4	28♎35	9♊59	13♐58	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n43	9s49	0s24	4n15	1n 7	11n24	1n20	10s41	0s13	1n53	1n 8	19n46	0n31	18n 2	0s17	15n 6	0n30	19s58	3n32	11s 4	11s34	18n29	17s13	5n11
M 2	5 20	13 33	0n53	3 28	1 1	10 57	1 21	10 57	0 14	1 48	1 8	19 44	0 31	18 2	0 17	15 5	0 30	19 58	3 32	11 4	11 32	18 30	17 14	5 11
T 3	4 57	16 28	2 7	2 42	0 55	10 30	1 22	11 12	0 14	1 43	1 8	19 43	0 32	18 2	0 17	15 5	0 30	19 59	3 32	11 4	11 31	18 30	17 15	5 10
W 4	4 34	18 23	3 13	1 55	0 49	10 3	1 23	11 27	0 15	1 37	1 8	19 42	0 32	18 1	0 17	15 4	0 30	19 59	3 32	11 4	11 30	18 31	17 15	5 10
T 5	4 11	19 8	4 7	1 9	0 43	9 36	1 23	11 42	0 16	1 32	1 8	19 40	0 32	18 1	0 17	15 3	0 30	19 59	3 31	11 5	11 29	18 31	17 16	5 10
F 6	3 48	18 41	4 45	0 23	0 36	9 8	1 24	11 58	0 16	1 27	1 8	19 39	0 32	18 1	0 17	15 3	0 30	19 59	3 31	11 4	11 28	18 31	17 17	5 9
S 7	3 25	17 5	5 7	0s23	0 30	8 40	1 25	12 13	0 17	1 22	1 8	19 38	0 32	18 1	0 17	15 2	0 30	19 59	3 31	11 3	11 27	18 32	17 17	5 9
S 8	3 2	14 31	5 10	1 8	0 23	8 12	1 25	12 28	0 18	1 17	1 8	19 36	0 32	18 1	0 17	15 1	0 30	20 0	3 31	11 2	11 26	18 32	17 18	5 9
M 9	2 38	11 10	4 56	1 53	0 16	7 43	1 25	12 43	0 18	1 12	1 8	19 35	0 32	18 0	0 17	15 1	0 30	20 0	3 30	11 0	11 25	18 33	17 19	5 8
T 10	2 15	7 17	4 25	2 38	0 9	7 14	1 26	12 57	0 19	1 6	1 8	19 33	0 32	18 0	0 17	15 0	0 30	20 0	3 30	10 58	11 23	18 33	17 19	5 8
W11	1 51	3 5	3 40	3 23	0 2	6 45	1 26	13 12	0 20	1 1	1 8	19 32	0 33	18 0	0 17	15 0	0 30	20 0	3 30	10 56	11 22	18 33	17 20	5 8
T 12	1 28	1n10	2 44	4 7	0s 5	6 16	1 26	13 27	0 20	0 56	1 8	19 31	0 33	18 0	0 17	14 59	0 30	20 0	3 30	10 54	11 21	18 34	17 21	5 7
F 13	1 4	5 17	1 41	4 50	0 12	5 47	1 26	13 42	0 21	0 51	1 8	19 30	0 33	17 59	0 17	14 58	0 30	20 1	3 30	10 53	11 20	18 34	17 21	5 7
S 14	0 41	9 6	0 35	5 33	0 19	5 18	1 26	13 56	0 22	0 46	1 8	19 28	0 33	17 59	0 17	14 58	0 30	20 1	3 29	10 53	11 19	18 34	17 22	5 7
S 15	0 17	12 27	0s33	6 16	0 27	4 48	1 26	14 11	0 22	0 40	1 8	19 27	0 33	17 59	0 17	14 57	0 30	20 1	3 29	10 53	11 18	18 35	17 23	5 6
M16	0s 6	15 12	1 37	6 58	0 34	4 18	1 26	14 25	0 23	0 35	1 8	19 26	0 33	17 58	0 17	14 57	0 30	20 1	3 29	10 53	11 17	18 35	17 24	5 6
T 17	0 30	17 16	2 37	7 40	0 41	3 48	1 26	14 39	0 24	0 30	1 8	19 25	0 33	17 58	0 17	14 56	0 30	20 2	3 29	10 54	11 16	18 35	17 24	5 6
W18	0 54	18 34	3 30	8 21	0 48	3 18	1 26	14 53	0 24	0 25	1 8	19 23	0 34	17 58	0 17	14 56	0 30	20 2	3 29	10 55	11 14	18 36	17 25	5 5
T 19	1 17	19 4	4 14	9 1	0 55	2 48	1 25	15 8	0 25	0 20	1 8	19 22	0 34	17 57	0 17	14 55	0 30	20 2	3 28	10 55	11 13	18 36	17 26	5 5
F 20	1 41	18 42	4 47	9 41	1 2	2 18	1 25	15 22	0 26	0 14	1 8	19 21	0 34	17 57	0 17	14 54	0 30	20 2	3 28	10 55	11 12	18 36	17 26	5 5
S 21	2 5	17 30	5 8	10 20	1 9	1 48	1 25	15 35	0 26	0 9	1 8	19 20	0 34	17 56	0 17	14 54	0 30	20 2	3 28	10 55	11 11	18 37	17 27	5 5
S 22	2 28	15 28	5 15	10 58	1 16	1 17	1 24	15 49	0 27	0 4	1 8	19 19	0 34	17 56	0 17	14 53	0 30	20 3	3 28	10 54	11 10	18 37	17 28	5 4
M23	2 52	12 40	5 8	11 36	1 23	0 47	1 24	16 3	0 27	0s 1	1 8	19 18	0 34	17 56	0 17	14 53	0 30	20 3	3 28	10 54	11 9	18 38	17 29	5 4
T 24	3 15	9 12	4 45	12 13	1 30	0 16	1 23	16 16	0 28	0 6	1 8	19 16	0 34	17 55	0 17	14 52	0 30	20 3	3 27	10 53	11 8	18 38	17 29	5 4
W25	3 39	5 9	4 6	12 50	1 37	0s14	1 22	16 30	0 29	0 11	1 8	19 15	0 35	17 55	0 17	14 52	0 30	20 3	3 27	10 52	11 6	18 38	17 30	5 3
T 26	4 2	0 44	3 12	13 25	1 43	0 45	1 22	16 43	0 29	0 17	1 8	19 14	0 35	17 54	0 17	14 51	0 30	20 4	3 27	10 51	11 5	18 38	17 31	5 3
F 27	4 26	3s50	2 5	14 0	1 50	1 16	1 21	16 56	0 30	0 22	1 8	19 13	0 35	17 54	0 17	14 51	0 30	20 4	3 27	10 50	11 4	18 39	17 32	5 3
S 28	4 49	8 18	0 49	14 34	1 56	1 46	1 20	17 10	0 31	0 27	1 8	19 12	0 35	17 53	0 17	14 50	0 30	20 4	3 27	10 50	11 3	18 39	17 32	5 3
S 29	5 12	12 19	0n31	15 7	2 2	2 17	1 19	17 22	0 31	0 32	1 8	19 11	0 35	17 53	0 17	14 50	0 30	20 4	3 26	10 50	11 2	18 39	17 33	5 2
M30	5s36	15s36	1n50	15s39	2s 8	2s47	1n18	17s35	0s32	0s37	1n 8	19n10	0n35	17n52	0s17	14n49	0n31	20s 4	3n26	10s50	11s 1	18n40	17s34	5n 2

Julian Day Number = 2184803.5, Delta T = 11m13s
Ecliptic obliquity = 23°31'55, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'19, Lahiri = 13°40'19 Julian Calendar 1 Sept. 1269 == Greg. Calendar 8 Sept. 1269

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

OCTOBER 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 8 0	15♎ 7'39	3♐ 2	7♏30	11♎16	18♏ 5	4♎23	7♌ 3	21°R15	21♌41	27♐29	28♎ 5	28♎32	10♊ 6	14♐ 2	T 1
W 2	1 11 57	16° 7'21	17°33	8°46	12°32	18°48	4°36	7° 7	21♉13	21°42	27°30	28° 6	28°29	10°12	14° 7	W 2
T 3	1 15 53	17° 7'06	1♑54	10° 1	13°47	19°31	4°49	7°11	21°11	21°44	27°31	28° 7	28°26	10°19	14°11	T 3
F 4	1 19 50	18° 6'52	16° 2	11°15	15° 2	20°14	5° 2	7°15	21° 9	21°45	27°32	28°R 8	28°23	10°26	14°16	F 4
S 5	1 23 46	19° 6'39	29°55	12°26	16°17	20°57	5°14	7°19	21° 7	21°46	27°33	28° 7	28°19	10°32	14°21	S 5
S 6	1 27 43	20° 6'29	13♒33	13°36	17°32	21°41	5°27	7°23	21° 5	21°48	27°34	28° 7	28°16	10°39	14°25	S 6
M 7	1 31 39	21° 6'20	26°55	14°44	18°48	22°24	5°40	7°27	21° 3	21°49	27°35	28° 6	28°13	10°46	14°30	M 7
T 8	1 35 36	22° 6'12	10♓ 3	15°50	20° 3	23° 8	5°53	7°31	21° 1	21°50	27°36	28° 5	28°10	10°53	14°35	T 8
W 9	1 39 33	23° 6'07	22°56	16°54	21°18	23°51	6° 6	7°35	20°59	21°52	27°37	28° 5	28° 7	10°59	14°40	W 9
T 10	1 43 29	24° 6'03	5♈36	17°54	22°33	24°35	6°18	7°38	20°57	21°53	27°39	28° 4	28° 3	11° 6	14°45	T 10
F 11	1 47 26	25° 6'01	18° 4	18°52	23°49	25°18	6°31	7°42	20°54	21°54	27°40	28° 4	28° 0	11°13	14°50	F 11
S 12	1 51 22	26° 6'01	0♉21	19°47	25° 4	26° 2	6°44	7°45	20°52	21°55	27°41	28°D 4	27°57	11°19	14°55	S 12
S 13	1 55 19	27° 6'03	12°27	20°38	26°19	26°46	6°56	7°48	20°50	21°56	27°42	28° 4	27°54	11°26	15° 0	S 13
M14	1 59 15	28° 6'07	24°26	21°24	27°35	27°30	7° 9	7°52	20°48	21°58	27°43	28°R 4	27°51	11°33	15° 5	M14
T 15	2 3 12	29° 6'13	6♊19	22° 7	28°50	28°13	7°21	7°55	20°45	21°59	27°45	28° 4	27°48	11°39	15°10	T 15
W16	2 7 8	0♏ 6'21	18° 8	22°44	0♏ 5	28°57	7°34	7°58	20°43	22° 0	27°46	28° 4	27°44	11°46	15°15	W16
T 17	2 11 5	1° 6'31	29°58	23°15	1°21	29°41	7°46	8° 1	20°41	22° 1	27°47	28° 3	27°41	11°53	15°21	T 17
F 18	2 15 2	2° 6'44	11♋52	23°41	2°36	0♐26	7°59	8° 3	20°38	22° 2	27°49	28° 3	27°38	11°59	15°26	F 18
S 19	2 18 58	3° 6'58	23°54	23°59	3°51	1°10	8°11	8° 6	20°36	22° 3	27°50	28° 3	27°35	12° 6	15°31	S 19
S 20	2 22 55	4° 7'14	6♌ 9	24°10	5° 7	1°54	8°24	8° 9	20°34	22° 4	27°52	28°D 3	27°32	12°13	15°37	S 20
M21	2 26 51	5° 7'32	18°41	24°R13	6°22	2°38	8°36	8°11	20°31	22° 5	27°53	28° 3	27°29	12°19	15°42	M21
T 22	2 30 48	6° 7'53	1♍34	24° 7	7°37	3°23	8°48	8°14	20°29	22° 6	27°54	28° 3	27°25	12°26	15°48	T 22
W23	2 34 44	7° 8'15	14°52	23°51	8°53	4° 7	9° 1	8°16	20°26	22° 6	27°56	28° 4	27°22	12°33	15°54	W23
T 24	2 38 41	8° 8'39	28°37	23°26	10° 8	4°51	9°13	8°18	20°24	22° 7	27°57	28° 5	27°19	12°39	15°59	T 24
F 25	2 42 37	9° 9'05	12♎47	22°50	11°23	5°36	9°25	8°20	20°22	22° 8	27°59	28° 6	27°16	12°46	16° 5	F 25
S 26	2 46 34	10° 9'33	27°21	22° 4	12°39	6°21	9°37	8°22	20°19	22° 9	28° 0	28°R 6	27°13	12°53	16°11	S 26
S 27	2 50 31	11°10'03	12♏13	21° 9	13°54	7° 5	9°49	8°24	20°17	22°10	28° 2	28° 6	27° 9	12°59	16°16	S 27
M28	2 54 27	12°10'34	27°16	20° 5	15°10	7°50	10° 1	8°26	20°14	22°10	28° 4	28° 5	27° 6	13° 6	16°22	M28
T 29	2 58 24	13°11'07	12♐19	18°53	16°25	8°35	10°13	8°27	20°12	22°11	28° 5	28° 3	27° 3	13°13	16°28	T 29
W30	3 2 20	14°11'42	27°16	17°36	17°40	9°20	10°25	8°29	20° 9	22°12	28° 7	28° 1	27° 0	13°20	16°34	W30
T 31	3 6 17	15♏12'17	11♑57	16♏15	18♏56	10♐ 5	10♎37	8♌30	20♉ 7	22♌12	28♐ 8	27♎59	26♎57	13♊26	16♐40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s59	17s52	3n 2	16s10	2s14	3s18	1n17	17s48	0s32	0s42	1n 8	19n 9	0n35	17n52	0s17	14n49	0n31	20s 5	3n26	10s50	11s 0	18n40	17s35	5n 2
W 2	6 22	18 57	4 1	16 41	2 19	3 48	1 16	18 0	0 33	0 47	1 8	19 8	0 36	17 51	0 17	14 49	0 31	20 5	3 26	10 51	10 59	18 40	17 35	5 2
T 3	6 45	18 46	4 45	17 10	2 25	4 18	1 15	18 13	0 33	0 52	1 8	19 7	0 36	17 51	0 17	14 48	0 31	20 5	3 25	10 51	10 57	18 41	17 36	5 1
F 4	7 8	17 26	5 10	17 38	2 29	4 49	1 14	18 25	0 34	0 57	1 8	19 6	0 36	17 50	0 17	14 48	0 31	20 5	3 25	10 51	10 56	18 41	17 37	5 1
S 5	7 31	15 5	5 17	18 4	2 34	5 19	1 12	18 37	0 35	1 3	1 9	19 5	0 36	17 50	0 17	14 47	0 31	20 5	3 25	10 51	10 55	18 41	17 38	5 1
S 6	7 53	11 56	5 6	18 30	2 38	5 49	1 11	18 49	0 35	1 8	1 9	19 5	0 36	17 49	0 17	14 47	0 31	20 6	3 25	10 51	10 54	18 41	17 39	5 1
M 7	8 16	8 14	4 38	18 54	2 42	6 19	1 10	19 1	0 36	1 13	1 9	19 4	0 36	17 49	0 17	14 46	0 31	20 6	3 25	10 50	10 53	18 42	17 39	5 0
T 8	8 38	4 11	3 56	19 17	2 46	6 49	1 8	19 13	0 36	1 18	1 9	19 3	0 36	17 48	0 17	14 46	0 31	20 6	3 25	10 50	10 52	18 42	17 40	5 0
W 9	9 1	0 1	3 3	19 39	2 49	7 18	1 7	19 24	0 37	1 23	1 9	19 2	0 37	17 48	0 17	14 46	0 31	20 6	3 24	10 50	10 51	18 42	17 41	5 0
T 10	9 23	4n 6	2 2	19 58	2 51	7 48	1 5	19 36	0 37	1 28	1 9	19 1	0 37	17 47	0 17	14 45	0 31	20 7	3 24	10 50	10 49	18 43	17 42	5 0
F 11	9 45	7 58	0 55	20 17	2 53	8 17	1 4	19 47	0 38	1 33	1 9	19 1	0 37	17 47	0 17	14 45	0 31	20 7	3 24	10 50	10 48	18 43	17 42	4 59
S 12	10 7	11 26	0s13	20 33	2 55	8 47	1 2	19 58	0 39	1 38	1 9	19 0	0 37	17 46	0 17	14 44	0 31	20 7	3 24	10 50	10 47	18 43	17 43	4 59
S 13	10 29	14 23	1 19	20 48	2 55	9 15	1 0	20 8	0 39	1 43	1 9	18 59	0 37	17 45	0 17	14 44	0 31	20 7	3 24	10 50	10 46	18 43	17 44	4 59
M14	10 50	16 40	2 21	21 0	2 55	9 44	0 59	20 19	0 40	1 47	1 9	18 59	0 37	17 45	0 17	14 44	0 31	20 7	3 23	10 50	10 45	18 44	17 45	4 59
T 15	11 12	18 13	3 17	21 11	2 55	10 13	0 57	20 30	0 40	1 52	1 9	18 58	0 38	17 44	0 17	14 43	0 31	20 8	3 23	10 50	10 44	18 44	17 45	4 59
W16	11 33	18 57	4 4	21 19	2 53	10 41	0 55	20 40	0 41	1 57	1 9	18 57	0 38	17 44	0 17	14 43	0 31	20 8	3 23	10 50	10 43	18 44	17 46	4 58
T 17	11 54	18 52	4 40	21 24	2 50	11 9	0 53	20 50	0 41	2 2	1 9	18 57	0 38	17 43	0 17	14 43	0 31	20 8	3 23	10 49	10 41	18 44	17 47	4 58
F 18	12 15	17 56	5 5	21 27	2 46	11 37	0 51	21 0	0 42	2 7	1 9	18 56	0 38	17 42	0 17	14 42	0 31	20 8	3 23	10 49	10 40	18 45	17 48	4 58
S 19	12 36	16 12	5 17	21 27	2 41	12 4	0 50	21 10	0 42	2 12	1 9	18 56	0 38	17 42	0 17	14 42	0 31	20 8	3 22	10 49	10 39	18 45	17 48	4 58
S 20	12 57	13 44	5 14	21 24	2 35	12 32	0 48	21 19	0 43	2 17	1 9	18 55	0 38	17 41	0 17	14 42	0 31	20 9	3 22	10 49	10 38	18 45	17 49	4 58
M21	13 17	10 34	4 57	21 17	2 28	12 59	0 46	21 28	0 43	2 22	1 10	18 55	0 39	17 40	0 17	14 42	0 31	20 9	3 22	10 49	10 37	18 45	17 50	4 58
T 22	13 37	6 50	4 25	21 6	2 18	13 25	0 44	21 38	0 44	2 26	1 10	18 54	0 39	17 40	0 17	14 41	0 31	20 9	3 22	10 49	10 36	18 46	17 51	4 57
W23	13 57	2 38	3 38	20 52	2 8	13 51	0 42	21 47	0 44	2 31	1 10	18 54	0 39	17 39	0 17	14 41	0 31	20 9	3 22	10 50	10 35	18 46	17 51	4 57
T 24	14 17	1s50	2 36	20 34	1 55	14 17	0 39	21 55	0 45	2 36	1 10	18 53	0 39	17 39	0 17	14 41	0 31	20 9	3 22	10 50	10 33	18 46	17 52	4 57
F 25	14 36	6 21	1 24	20 11	1 41	14 43	0 37	22 4	0 45	2 40	1 10	18 53	0 39	17 38	0 17	14 41	0 31	20 10	3 21	10 50	10 32	18 46	17 53	4 57
S 26	14 55	10 38	0 4	19 44	1 26	15 8	0 35	22 12	0 46	2 45	1 10	18 53	0 39	17 37	0 17	14 40	0 31	20 10	3 21	10 50	10 31	18 46	17 53	4 57
S 27	15 14	14 20	1n17	19 13	1 8	15 33	0 33	22 20	0 46	2 50	1 10	18 52	0 39	17 37	0 17	14 40	0 31	20 10	3 21	10 50	10 30	18 47	17 54	4 57
M28	15 33	17 7	2 35	18 38	0 50	15 57	0 31	22 28	0 47	2 54	1 10	18 52	0 40	17 36	0 17	14 40	0 31	20 10	3 21	10 50	10 29	18 47	17 55	4 57
T 29	15 51	18 42	3 41	17 59	0 30	16 21	0 29	22 36	0 47	2 59	1 10	18 52	0 40	17 35	0 17	14 40	0 31	20 10	3 21	10 49	10 28	18 47	17 55	4 56
W30	16 10	18 58	4 32	17 18	0 10	16 45	0 26	22 43	0 48	3 4	1 10	18 51	0 40	17 35	0 17	14 40	0 31	20 11	3 20	10 49	10 27	18 47	17 56	4 56
T 31	16s28	17s57	5n 4	16s35	0n11	17s 8	0n24	22s50	0s48	3s 8	1n10	18n51	0n40	17n34	0s17	14n39	0n31	20s11	3n20	10s48	10s25	18n47	17s57	4n56

Julian Day Number = 2184833.5, Delta T = 11m12s
Ecliptic obliquity = 23°31'55, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'23, Lahiri = 13°40'23 Julian Calendar 1 Oct. 1269 == Greg. Calendar 8 Oct. 1269

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

NOVEMBER 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 10 13	16♏12'54	26♉19	14°R54	20♏11	10♐50	10♎48	8♌31	20°R 4	22♌13	28♐10	27°R57	26♎54	13♊33	16♐46	F 1
S 2	3 14 10	17°13'32	10♒17	13♏35	21°27	11°35	11° 0	8°33	20♉ 2	22°13	28°12	27♎56	26°50	13°40	16°52	S 2
S 3	3 18 6	18°14'11	23°51	12°20	22°42	12°20	11°12	8°34	19°59	22°14	28°14	27°D56	26°47	13°46	16°58	S 3
M 4	3 22 3	19°14'52	7♓ 3	11°12	23°57	13° 5	11°23	8°35	19°57	22°14	28°15	27°57	26°44	13°53	17° 4	M 4
T 5	3 26 0	20°15'33	19°56	10°14	25°13	13°50	11°35	8°36	19°54	22°15	28°17	27°59	26°41	14° 0	17°10	T 5
W 6	3 29 56	21°16'16	2♈32	9°25	26°28	14°35	11°46	8°36	19°52	22°15	28°19	28° 0	26°38	14° 6	17°16	W 6
T 7	3 33 53	22°16'59	14°55	8°48	27°44	15°20	11°58	8°37	19°49	22°15	28°21	28° 2	26°34	14°13	17°22	T 7
F 8	3 37 49	23°17'44	27° 6	8°22	28°59	16° 6	12° 9	8°37	19°47	22°16	28°22	28°R 2	26°31	14°20	17°28	F 8
S 9	3 41 46	24°18'30	9♉10	8° 8	0♐14	16°51	12°20	8°38	19°44	22°16	28°24	28° 2	26°28	14°26	17°35	S 9
S 10	3 45 42	25°19'18	21° 7	8°D 5	1°30	17°37	12°31	8°38	19°42	22°16	28°26	28° 0	26°25	14°33	17°41	S 10
M11	3 49 39	26°20'06	3♊ 1	8°12	2°45	18°22	12°43	8°38	19°39	22°17	28°28	27°56	26°22	14°40	17°47	M11
T 12	3 53 35	27°20'56	14°51	8°30	4° 0	19° 8	12°54	8°R38	19°37	22°17	28°30	27°52	26°19	14°46	17°53	T 12
W13	3 57 32	28°21'47	26°42	8°56	5°16	19°53	13° 4	8°38	19°34	22°17	28°32	27°46	26°15	14°53	18° 0	W13
T 14	4 1 29	29°22'40	8♋34	9°31	6°31	20°39	13°15	8°38	19°32	22°17	28°34	27°40	26°12	15° 0	18° 6	T 14
F 15	4 5 25	0♐23'34	20°29	10°13	7°47	21°24	13°26	8°38	19°29	22°17	28°35	27°34	26° 9	15° 7	18°12	F 15
S 16	4 9 22	1°24'28	2♌32	11° 1	9° 2	22°10	13°37	8°38	19°27	22°17	28°37	27°30	26° 6	15°13	18°19	S 16
S 17	4 13 18	2°25'25	14°45	11°55	10°17	22°56	13°47	8°37	19°24	22°R17	28°39	27°26	26° 3	15°20	18°25	S 17
M18	4 17 15	3°26'22	27°13	12°54	11°33	23°42	13°58	8°36	19°22	22°17	28°41	27°25	26° 0	15°27	18°31	M18
T 19	4 21 11	4°27'21	9♍59	13°57	12°48	24°28	14° 8	8°36	19°19	22°17	28°43	27°D25	25°56	15°33	18°38	T 19
W20	4 25 8	5°28'21	23° 7	15° 4	14° 4	25°14	14°19	8°35	19°17	22°17	28°45	27°26	25°53	15°40	18°44	W20
T 21	4 29 4	6°29'22	6♎42	16°14	15°19	26° 0	14°29	8°34	19°15	22°17	28°47	27°27	25°50	15°47	18°51	T 21
F 22	4 33 1	7°30'24	20°44	17°27	16°34	26°46	14°39	8°33	19°12	22°17	28°49	27°R28	25°47	15°53	18°57	F 22
S 23	4 36 58	8°31'28	5♏13	18°42	17°50	27°32	14°49	8°32	19°10	22°17	28°51	27°28	25°44	16° 0	19° 4	S 23
S 24	4 40 54	9°32'32	20° 6	19°59	19° 5	28°18	14°59	8°30	19° 8	22°16	28°53	27°26	25°40	16° 7	19°10	S 24
M25	4 44 51	10°33'37	5♐17	21°19	20°20	29° 4	15° 9	8°29	19° 5	22°16	28°55	27°22	25°37	16°13	19°17	M25
T 26	4 48 47	11°34'44	20°36	22°40	21°36	29°50	15°19	8°28	19° 3	22°16	28°57	27°16	25°34	16°20	19°23	T 26
W27	4 52 44	12°35'51	5♑51	24° 2	22°51	0♑37	15°28	8°26	19° 1	22°15	28°59	27° 9	25°31	16°27	19°30	W27
T 28	4 56 40	13°36'58	20°52	25°25	24° 7	1°23	15°38	8°24	18°58	22°15	29° 1	27° 2	25°28	16°34	19°36	T 28
F 29	5 0 37	14°38'06	5♒31	26°50	25°22	2° 9	15°47	8°22	18°56	22°15	29° 4	26°55	25°25	16°40	19°43	F 29
S 30	5 4 33	15♐39'14	19♒43	28♏15	26♐37	2♑56	15♎57	8♌21	18♉54	22♌14	29♐ 6	26♎50	25♎21	16♊47	19♐49	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s45	15s48	5n16	15s52	0n31	17s31	0n22	22s57	0s48	3s13	1n11	18n51	0n40	17n33	0s17	14n39	0n31	20s11	3n20	10s47	10s24	18n48	17s58	4n56
S 2	17 2	12 47	5 9	15 10	0 51	17 53	0 19	23 4	0 49	3 17	1 11	18 51	0 41	17 33	0 17	14 39	0 31	20 11	3 20	10 47	10 23	18 48	17 58	4 56
S 3	17 20	9 9	4 44	14 29	1 10	18 15	0 17	23 10	0 49	3 22	1 11	18 51	0 41	17 32	0 17	14 39	0 31	20 11	3 20	10 47	10 22	18 48	17 59	4 56
M 4	17 36	5 9	4 5	13 52	1 27	18 36	0 15	23 17	0 50	3 26	1 11	18 51	0 41	17 31	0 17	14 39	0 31	20 12	3 20	10 47	10 21	18 48	17 59	4 56
T 5	17 53	1 1	3 15	13 19	1 42	18 57	0 12	23 23	0 50	3 31	1 11	18 51	0 41	17 31	0 17	14 39	0 31	20 12	3 19	10 48	10 20	18 48	18 0	4 56
W 6	18 9	3n 5	2 16	12 51	1 56	19 17	0 10	23 29	0 51	3 35	1 11	18 51	0 41	17 30	0 17	14 39	0 32	20 12	3 19	10 48	10 18	18 49	18 1	4 56
T 7	18 25	7 0	1 12	12 29	2 7	19 36	0 8	23 34	0 51	3 39	1 11	18 51	0 41	17 29	0 17	14 39	0 32	20 12	3 19	10 49	10 17	18 49	18 1	4 56
F 8	18 40	10 34	0 5	12 12	2 16	19 56	0 5	23 39	0 51	3 44	1 11	18 51	0 42	17 29	0 17	14 38	0 32	20 12	3 19	10 49	10 16	18 49	18 2	4 56
S 9	18 55	13 39	1s 1	12 0	2 24	20 14	0 3	23 44	0 52	3 48	1 11	18 51	0 42	17 28	0 17	14 38	0 32	20 12	3 19	10 49	10 15	18 49	18 3	4 56
S 10	19 10	16 7	2 3	11 54	2 29	20 32	0 0	23 49	0 52	3 52	1 12	18 51	0 42	17 27	0 17	14 38	0 32	20 13	3 19	10 48	10 14	18 49	18 3	4 55
M11	19 25	17 54	3 0	11 54	2 32	20 49	0s 2	23 54	0 53	3 56	1 12	18 51	0 42	17 27	0 17	14 38	0 32	20 13	3 19	10 47	10 13	18 49	18 4	4 55
T 12	19 39	18 53	3 49	11 57	2 34	21 6	0 4	23 58	0 53	4 1	1 12	18 51	0 42	17 26	0 17	14 38	0 32	20 13	3 18	10 45	10 12	18 50	18 4	4 55
W13	19 52	19 2	4 28	12 5	2 35	21 22	0 7	24 2	0 53	4 5	1 12	18 51	0 42	17 25	0 17	14 38	0 32	20 13	3 18	10 43	10 10	18 50	18 5	4 55
T 14	20 6	18 21	4 55	12 17	2 34	21 38	0 9	24 6	0 54	4 9	1 12	18 51	0 43	17 25	0 17	14 38	0 32	20 13	3 18	10 41	10 9	18 50	18 6	4 55
F 15	20 19	16 52	5 9	12 32	2 32	21 53	0 12	24 9	0 54	4 13	1 12	18 52	0 43	17 24	0 17	14 38	0 32	20 14	3 18	10 39	10 8	18 50	18 6	4 55
S 16	20 31	14 38	5 11	12 49	2 30	22 7	0 14	24 12	0 55	4 17	1 12	18 52	0 43	17 23	0 17	14 38	0 32	20 14	3 18	10 37	10 7	18 50	18 7	4 55
S 17	20 44	11 43	4 58	13 9	2 26	22 21	0 16	24 15	0 55	4 21	1 13	18 52	0 43	17 23	0 17	14 38	0 32	20 14	3 18	10 36	10 6	18 50	18 7	4 55
M18	20 55	8 15	4 31	13 31	2 22	22 34	0 19	24 18	0 55	4 25	1 13	18 53	0 43	17 22	0 17	14 38	0 32	20 14	3 18	10 36	10 5	18 50	18 8	4 55
T 19	21 7	4 18	3 50	13 55	2 17	22 46	0 21	24 21	0 56	4 29	1 13	18 53	0 43	17 21	0 17	14 38	0 32	20 14	3 17	10 35	10 3	18 51	18 8	4 55
W20	21 18	0 3	2 56	14 19	2 11	22 58	0 24	24 23	0 56	4 33	1 13	18 53	0 44	17 21	0 17	14 38	0 32	20 14	3 17	10 36	10 2	18 51	18 9	4 55
T 21	21 29	4s22	1 51	14 45	2 5	23 9	0 26	24 25	0 56	4 36	1 13	18 54	0 44	17 20	0 17	14 38	0 32	20 14	3 17	10 36	10 1	18 51	18 9	4 55
F 22	21 39	8 41	0 37	15 12	1 59	23 19	0 28	24 26	0 57	4 40	1 13	18 54	0 44	17 19	0 17	14 39	0 32	20 15	3 17	10 37	10 0	18 51	18 10	4 55
S 23	21 49	12 39	0n42	15 39	1 52	23 29	0 31	24 28	0 57	4 44	1 13	18 55	0 44	17 19	0 17	14 39	0 32	20 15	3 17	10 37	9 59	18 51	18 10	4 55
S 24	21 58	15 55	2 0	16 7	1 46	23 38	0 33	24 29	0 57	4 48	1 14	18 55	0 44	17 18	0 17	14 39	0 32	20 15	3 17	10 36	9 58	18 51	18 11	4 55
M25	22 7	18 9	3 10	16 34	1 39	23 46	0 35	24 29	0 58	4 51	1 14	18 56	0 44	17 18	0 17	14 39	0 32	20 15	3 17	10 35	9 57	18 51	18 11	4 55
T 26	22 16	19 5	4 8	17 2	1 31	23 53	0 37	24 30	0 58	4 55	1 14	18 56	0 45	17 17	0 17	14 39	0 32	20 15	3 16	10 33	9 55	18 51	18 12	4 56
W27	22 24	18 37	4 47	17 30	1 24	24 0	0 40	24 30	0 58	4 59	1 14	18 57	0 45	17 16	0 17	14 39	0 32	20 15	3 16	10 30	9 54	18 52	18 12	4 56
T 28	22 31	16 51	5 6	17 57	1 17	24 6	0 42	24 30	0 59	5 2	1 14	18 57	0 45	17 16	0 17	14 39	0 32	20 15	3 16	10 27	9 53	18 52	18 13	4 56
F 29	22 39	14 2	5 5	18 24	1 9	24 11	0 44	24 30	0 59	5 6	1 14	18 58	0 45	17 15	0 17	14 39	0 32	20 16	3 16	10 25	9 52	18 52	18 13	4 56
S 30	22s45	10s28	4n44	18s51	1n 2	24s16	0s46	24s29	0s59	5s 9	1n15	18n59	0n45	17n15	0s17	14n40	0n32	20s16	3n16	10s23	9s51	18n52	18s13	4n56

Julian Day Number = 2184864.5, Delta T = 11m12s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'27, Lahiri = 13°40'28 Julian Calendar 1 Nov. 1269 == Greg. Calendar 8 Nov. 1269

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ASTRODIENST EPHEMERIS for the year 1269
geocentric

DECEMBER 1269 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 8 30	16♐40'22	3♓25	29♏41	27♐53	3♑42	16♎ 6	8°R19	18°R52	22°R14	29♐ 8	26°R48	25♎18	16♊54	19♐56	S 1
M 2	5 12 27	17°41'30	16°39	1♐ 8	29° 8	4°29	16°15	8♌16	18♉50	22♌13	29°10	26°D47	25°15	17° 0	20° 2	M 2
T 3	5 16 23	18°42'39	29°28	2°36	0♑23	5°15	16°24	8°14	18°48	22°13	29°12	26♎47	25°12	17° 7	20° 9	T 3
W 4	5 20 20	19°43'48	11♈57	4° 4	1°39	6° 2	16°33	8°12	18°46	22°12	29°14	26°48	25° 9	17°14	20°15	W 4
T 5	5 24 16	20°44'57	24°11	5°33	2°54	6°48	16°42	8° 9	18°44	22°12	29°16	26°R49	25° 6	17°20	20°22	T 5
F 6	5 28 13	21°46'06	6♉13	7° 2	4° 9	7°35	16°50	8° 7	18°42	22°11	29°18	26°49	25° 2	17°27	20°28	F 6
S 7	5 32 9	22°47'15	18° 7	8°31	5°25	8°21	16°59	8° 4	18°40	22°10	29°20	26°46	24°59	17°34	20°35	S 7
S 8	5 36 6	23°48'25	29°58	10° 1	6°40	9° 8	17° 7	8° 2	18°38	22°10	29°22	26°41	24°56	17°41	20°41	S 8
M 9	5 40 2	24°49'34	11♊48	11°32	7°55	9°55	17°16	7°59	18°36	22° 9	29°25	26°33	24°53	17°47	20°48	M 9
T 10	5 43 59	25°50'44	23°39	13° 3	9°10	10°41	17°24	7°56	18°34	22° 8	29°27	26°23	24°50	17°54	20°54	T 10
W11	5 47 56	26°51'54	5♋32	14°34	10°26	11°28	17°32	7°53	18°32	22° 8	29°29	26°11	24°46	18° 1	21° 1	W11
T 12	5 51 52	27°53'04	17°30	16° 5	11°41	12°15	17°40	7°50	18°30	22° 7	29°31	25°58	24°43	18° 7	21° 7	T 12
F 13	5 55 49	28°54'15	29°32	17°37	12°56	13° 2	17°48	7°47	18°28	22° 6	29°33	25°46	24°40	18°14	21°14	F 13
S 14	5 59 45	29°55'25	11♌42	19° 9	14°11	13°49	17°55	7°43	18°27	22° 5	29°35	25°35	24°37	18°21	21°20	S 14
S 15	6 3 42	0♑56'36	24° 0	20°41	15°27	14°36	18° 3	7°40	18°25	22° 4	29°37	25°27	24°34	18°27	21°27	S 15
M16	6 7 38	1°57'46	6♍29	22°14	16°42	15°23	18°10	7°37	18°23	22° 3	29°39	25°21	24°31	18°34	21°33	M16
T 17	6 11 35	2°58'57	19°13	23°47	17°57	16° 9	18°17	7°33	18°22	22° 2	29°42	25°18	24°27	18°41	21°40	T 17
W18	6 15 31	4° 0'09	2♎16	25°21	19°12	16°56	18°25	7°29	18°20	22° 1	29°44	25°D17	24°24	18°47	21°46	W18
T 19	6 19 28	5° 1'20	15°39	26°55	20°28	17°43	18°32	7°26	18°19	22° 0	29°46	25°17	24°21	18°54	21°52	T 19
F 20	6 23 25	6° 2'31	29°27	28°29	21°43	18°31	18°38	7°22	18°17	21°59	29°48	25°R18	24°18	19° 1	21°59	F 20
S 21	6 27 21	7° 3'43	13♏41	0♑ 4	22°58	19°18	18°45	7°18	18°16	21°58	29°50	25°16	24°15	19° 8	22° 5	S 21
S 22	6 31 18	8° 4'55	28°20	1°39	24°13	20° 5	18°52	7°14	18°14	21°57	29°52	25°13	24°12	19°14	22°11	S 22
M23	6 35 14	9° 6'06	13♐20	3°14	25°28	20°52	18°58	7°10	18°13	21°56	29°54	25° 6	24° 8	19°21	22°18	M23
T 24	6 39 11	10° 7'18	28°33	4°50	26°43	21°39	19° 4	7° 6	18°12	21°55	29°56	24°57	24° 5	19°28	22°24	T 24
W25	6 43 7	11° 8'29	13♑48	6°27	27°59	22°26	19°10	7° 2	18°11	21°54	29°58	24°46	24° 2	19°34	22°30	W25
T 26	6 47 4	12° 9'40	28°56	8° 4	29°14	23°13	19°16	6°58	18° 9	21°52	0♑ 1	24°35	23°59	19°41	22°37	T 26
F 27	6 51 1	13°10'50	13♒44	9°41	0♒29	24° 1	19°22	6°54	18° 8	21°51	0° 3	24°24	23°56	19°48	22°43	F 27
S 28	6 54 57	14°11'59	28° 7	11°19	1°44	24°48	19°28	6°50	18° 7	21°50	0° 5	24°15	23°52	19°54	22°49	S 28
S 29	6 58 54	15°13'08	11♓59	12°57	2°59	25°35	19°33	6°45	18° 6	21°49	0° 7	24° 8	23°49	20° 1	22°55	S 29
M30	7 2 50	16°14'16	25°22	14°36	4°14	26°22	19°38	6°41	18° 5	21°48	0° 9	24° 5	23°46	20° 8	23° 1	M30
T 31	7 6 47	17♑15'22	8♈16	16♑15	5♒29	27♑10	19♎43	6♌36	18♉ 4	21♌46	0♑11	24♎ 3	23♎43	20♊15	23♐ 7	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s52	6s26	4n 8	19s17	0n54	24s19	0s48	24s28	0s59	5s12	1n15	18n59	0n45	17n14	0s17	14n40	0n32	20s16	3n16	10s22	9s50	18n52	18s14	4n56
M 2	22 58	2 14	3 19	19 43	0 46	24 22	0 50	24 27	1 0	5 16	1 15	19 0	0 46	17 13	0 17	14 40	0 32	20 16	3 16	10 22	9 48	18 52	18 14	4 56
T 3	23 3	1n57	2 22	20 8	0 39	24 24	0 53	24 26	1 0	5 19	1 15	19 1	0 46	17 13	0 17	14 40	0 32	20 16	3 16	10 22	9 47	18 52	18 15	4 56
W 4	23 8	5 57	1 19	20 32	0 31	24 26	0 55	24 24	1 0	5 22	1 15	19 2	0 46	17 12	0 17	14 40	0 32	20 16	3 15	10 22	9 46	18 52	18 15	4 56
T 5	23 12	9 38	0 14	20 55	0 24	24 26	0 57	24 22	1 1	5 26	1 15	19 2	0 46	17 12	0 17	14 41	0 32	20 16	3 15	10 23	9 45	18 52	18 15	4 56
F 6	23 16	12 51	0s50	21 18	0 16	24 26	0 58	24 19	1 1	5 29	1 16	19 3	0 46	17 11	0 17	14 41	0 32	20 17	3 15	10 22	9 44	18 52	18 16	4 56
S 7	23 20	15 30	1 52	21 40	0 9	24 26	1 0	24 17	1 1	5 32	1 16	19 4	0 46	17 11	0 17	14 41	0 32	20 17	3 15	10 21	9 43	18 52	18 16	4 57
S 8	23 23	17 29	2 48	22 1	0 2	24 24	1 2	24 14	1 1	5 35	1 16	19 5	0 47	17 10	0 17	14 41	0 32	20 17	3 15	10 20	9 41	18 53	18 16	4 57
M 9	23 26	18 43	3 37	22 20	0s 5	24 22	1 4	24 11	1 1	5 38	1 16	19 6	0 47	17 10	0 17	14 42	0 32	20 17	3 15	10 17	9 40	18 53	18 17	4 57
T 10	23 28	19 7	4 16	22 39	0 12	24 19	1 6	24 7	1 2	5 41	1 16	19 7	0 47	17 9	0 16	14 42	0 32	20 17	3 15	10 13	9 39	18 53	18 17	4 57
W11	23 30	18 41	4 44	22 57	0 19	24 15	1 8	24 4	1 2	5 44	1 17	19 8	0 47	17 9	0 16	14 42	0 33	20 17	3 15	10 9	9 38	18 53	18 17	4 57
T 12	23 31	17 26	5 0	23 14	0 26	24 10	1 9	24 0	1 2	5 47	1 17	19 9	0 47	17 8	0 16	14 42	0 33	20 17	3 15	10 4	9 37	18 53	18 17	4 57
F 13	23 32	15 24	5 2	23 30	0 33	24 5	1 11	23 55	1 2	5 49	1 17	19 10	0 47	17 8	0 16	14 43	0 33	20 17	3 15	10 0	9 36	18 53	18 18	4 57
S 14	23 32	12 41	4 51	23 44	0 39	23 59	1 13	23 51	1 3	5 52	1 17	19 11	0 48	17 7	0 16	14 43	0 33	20 17	3 14	9 56	9 34	18 53	18 18	4 58
S 15	23 32	9 23	4 27	23 58	0 45	23 52	1 14	23 46	1 3	5 55	1 17	19 12	0 48	17 7	0 16	14 43	0 33	20 18	3 14	9 53	9 33	18 53	18 18	4 58
M16	23 31	5 37	3 49	24 10	0 52	23 44	1 16	23 41	1 3	5 57	1 18	19 13	0 48	17 6	0 16	14 44	0 33	20 18	3 14	9 51	9 32	18 53	18 18	4 58
T 17	23 30	1 32	2 59	24 21	0 58	23 36	1 17	23 36	1 3	6 0	1 18	19 14	0 48	17 6	0 16	14 44	0 33	20 18	3 14	9 50	9 31	18 53	18 19	4 58
W18	23 28	2s43	1 59	24 30	1 3	23 27	1 19	23 30	1 3	6 3	1 18	19 15	0 48	17 6	0 16	14 44	0 33	20 18	3 14	9 49	9 30	18 53	18 19	4 58
T 19	23 26	6 58	0 51	24 39	1 9	23 17	1 20	23 24	1 3	6 5	1 18	19 16	0 48	17 5	0 16	14 45	0 33	20 18	3 14	9 49	9 29	18 53	18 19	4 58
F 20	23 24	10 59	0n22	24 46	1 14	23 7	1 21	23 18	1 4	6 7	1 18	19 17	0 49	17 5	0 16	14 45	0 33	20 18	3 14	9 49	9 27	18 53	18 19	4 59
S 21	23 21	14 29	1 36	24 51	1 20	22 55	1 22	23 11	1 4	6 10	1 19	19 18	0 49	17 4	0 16	14 45	0 33	20 18	3 14	9 49	9 26	18 53	18 19	4 59
S 22	23 17	17 10	2 46	24 56	1 25	22 43	1 24	23 5	1 4	6 12	1 19	19 19	0 49	17 4	0 16	14 46	0 33	20 18	3 14	9 48	9 25	18 53	18 19	4 59
M23	23 13	18 45	3 45	24 59	1 29	22 31	1 25	22 58	1 4	6 14	1 19	19 20	0 49	17 4	0 16	14 46	0 33	20 18	3 14	9 45	9 24	18 53	18 20	4 59
T 24	23 9	19 1	4 30	25 0	1 34	22 18	1 26	22 50	1 4	6 16	1 19	19 22	0 49	17 3	0 16	14 47	0 33	20 18	3 14	9 42	9 23	18 53	18 20	5 0
W25	23 4	17 55	4 56	25 0	1 38	22 4	1 27	22 43	1 4	6 19	1 19	19 23	0 49	17 3	0 16	14 47	0 33	20 18	3 13	9 38	9 21	18 53	18 20	5 0
T 26	22 58	15 33	5 0	24 59	1 42	21 49	1 28	22 35	1 4	6 21	1 20	19 24	0 49	17 3	0 16	14 47	0 33	20 18	3 13	9 33	9 20	18 53	18 20	5 0
F 27	22 53	12 13	4 44	24 56	1 46	21 34	1 29	22 27	1 5	6 23	1 20	19 25	0 50	17 2	0 16	14 48	0 33	20 19	3 13	9 29	9 19	18 53	18 20	5 0
S 28	22 46	8 15	4 11	24 51	1 49	21 18	1 29	22 19	1 5	6 24	1 20	19 26	0 50	17 2	0 16	14 48	0 33	20 19	3 13	9 26	9 18	18 53	18 20	5 1
S 29	22 40	3 58	3 23	24 45	1 52	21 2	1 30	22 10	1 5	6 26	1 20	19 28	0 50	17 2	0 16	14 49	0 33	20 19	3 13	9 24	9 17	18 53	18 20	5 1
M30	22 32	0n23	2 26	24 38	1 55	20 45	1 31	22 1	1 5	6 28	1 21	19 29	0 50	17 2	0 16	14 49	0 33	20 19	3 13	9 23	9 16	18 53	18 20	5 1
T 31	22s25	4n33	1n23	24s29	1s57	20s27	1s32	21s52	1s 5	6s30	1n21	19n30	0n50	17n 1	0s16	14n49	0n33	20s19	3n13	9s22	9s14	18n53	18s20	5n 1

Julian Day Number = 2184894.5, Delta T = 11m12s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'31, Lahiri = 13°40'32 Julian Calendar 1 Dec. 1269 == Greg. Calendar 8 Dec. 1269

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

JANUARY 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 10 43	18♑16'28	20♈47	17♑55	6♒44	27♑57	19♎48	6°R32	18°R 3	21°R45	0♑13	24°R 3	23♎40	20♊21	23♐14	W 1
T 2	7 14 40	19°17'34	3♉ 0	19°36	7°59	28°44	19°53	6♌27	18♉ 2	21♌44	0°15	24♎ 3	23°37	20°28	23°20	T 2
F 3	7 18 36	20°18'38	14°59	21°17	9°14	29°31	19°58	6°23	18° 1	21°42	0°17	24° 2	23°33	20°35	23°26	F 3
S 4	7 22 33	21°19'41	26°51	22°59	10°29	0♒19	20° 2	6°18	18° 1	21°41	0°19	23°58	23°30	20°41	23°32	S 4
S 5	7 26 30	22°20'43	8♊40	24°41	11°44	1° 6	20° 7	6°13	18° 0	21°39	0°21	23°52	23°27	20°48	23°38	S 5
M 6	7 30 26	23°21'44	20°30	26°24	12°59	1°53	20°11	6° 9	17°59	21°38	0°23	23°43	23°24	20°55	23°43	M 6
T 7	7 34 23	24°22'45	2♋23	28° 7	14°14	2°41	20°15	6° 4	17°59	21°37	0°25	23°30	23°21	21° 1	23°49	T 7
W 8	7 38 19	25°23'44	14°21	29°51	15°29	3°28	20°19	5°59	17°58	21°35	0°27	23°16	23°18	21° 8	23°55	W 8
T 9	7 42 16	26°24'42	26°27	1♒35	16°43	4°16	20°22	5°55	17°58	21°34	0°29	23° 1	23°14	21°15	24° 1	T 9
F 10	7 46 12	27°25'39	8♌41	3°20	17°58	5° 3	20°26	5°50	17°57	21°32	0°31	22°47	23°11	21°22	24° 7	F 10
S 11	7 50 9	28°26'36	21° 3	5° 5	19°13	5°50	20°29	5°45	17°57	21°31	0°33	22°34	23° 8	21°28	24°12	S 11
S 12	7 54 5	29°27'31	3♍34	6°51	20°28	6°38	20°32	5°40	17°56	21°29	0°35	22°24	23° 5	21°35	24°18	S 12
M13	7 58 2	0♒28'26	16°16	8°37	21°43	7°25	20°35	5°35	17°56	21°28	0°37	22°16	23° 2	21°42	24°24	M13
T 14	8 1 59	1°29'19	29° 9	10°23	22°57	8°13	20°38	5°30	17°56	21°26	0°39	22°12	22°58	21°48	24°29	T 14
W15	8 5 55	2°30'12	12♎15	12° 9	24°12	9° 0	20°40	5°25	17°56	21°24	0°40	22°10	22°55	21°55	24°35	W15
T 16	8 9 52	3°31'04	25°38	13°55	25°27	9°48	20°42	5°21	17°56	21°23	0°42	22°D10	22°52	22° 2	24°40	T 16
F 17	8 13 48	4°31'55	9♏19	15°41	26°41	10°35	20°45	5°16	17°55	21°21	0°44	22°R10	22°49	22° 9	24°46	F 17
S 18	8 17 45	5°32'45	23°19	17°26	27°56	11°22	20°47	5°11	17°D55	21°20	0°46	22° 9	22°46	22°15	24°51	S 18
S 19	8 21 41	6°33'34	7♐39	19°11	29°11	12°10	20°48	5° 6	17°55	21°18	0°48	22° 6	22°43	22°22	24°57	S 19
M20	8 25 38	7°34'23	22°17	20°55	0♓25	12°57	20°50	5° 1	17°55	21°17	0°50	22° 0	22°39	22°29	25° 2	M20
T 21	8 29 34	8°35'10	7♑ 8	22°37	1°40	13°45	20°52	4°56	17°56	21°15	0°51	21°51	22°36	22°35	25° 7	T 21
W22	8 33 31	9°35'56	22° 5	24°18	2°54	14°32	20°53	4°51	17°56	21°13	0°53	21°41	22°33	22°42	25°12	W22
T 23	8 37 28	10°36'41	6♒58	25°57	4° 9	15°20	20°54	4°46	17°56	21°12	0°55	21°30	22°30	22°49	25°17	T 23
F 24	8 41 24	11°37'24	21°38	27°33	5°23	16° 7	20°55	4°42	17°56	21°10	0°57	21°19	22°27	22°55	25°23	F 24
S 25	8 45 21	12°38'06	5♓58	29° 7	6°38	16°55	20°55	4°37	17°57	21° 8	0°58	21°10	22°24	23° 2	25°28	S 25
S 26	8 49 17	13°38'46	19°53	0♈36	7°52	17°42	20°56	4°32	17°57	21° 7	1° 0	21° 3	22°20	23° 9	25°33	S 26
M27	8 53 14	14°39'25	3♈20	2° 2	9° 6	18°30	20°56	4°27	17°57	21° 5	1° 2	21° 0	22°17	23°16	25°37	M27
T 28	8 57 10	15°40'01	16°20	3°22	10°21	19°17	20°R56	4°22	17°58	21° 3	1° 3	20°D58	22°14	23°22	25°42	T 28
W29	9 1 7	16°40'37	28°56	4°37	11°35	20° 4	20°56	4°18	17°58	21° 2	1° 5	20°58	22°11	23°29	25°47	W29
T 30	9 5 3	17°41'10	11♉13	5°46	12°49	20°52	20°56	4°13	17°59	21° 0	1° 6	20°59	22° 8	23°36	25°52	T 30
F 31	9 9 0	18♒41'41	23♉15	6♓47	14♓ 3	21♒39	20♎55	4♌ 8	18♉ 0	20♌58	1♑ 8	20°R59	22♎ 4	23♊42	25♐57	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	☊	☊	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s17	8n25	0n17	24s18	1s59	20s 9	1s32	21s43	1s 5	6s32	1n21	19n31	0n50	17n 1	0s16	14n50	0n33	20s19	3n13	9s22	9s13	18n53	18s20	5n 2
T 2	22 8	11 49	0s47	24 6	2 1	19 50	1 33	21 33	1 5	6 33	1 21	19 33	0 50	17 1	0 16	14 50	0 33	20 19	3 13	9 22	9 12	18 53	18 20	5 2
F 3	21 59	14 40	1 48	23 52	2 3	19 30	1 33	21 23	1 5	6 35	1 22	19 34	0 51	17 1	0 16	14 51	0 33	20 19	3 13	9 21	9 11	18 53	18 20	5 2
S 4	21 50	16 52	2 44	23 36	2 4	19 10	1 33	21 13	1 5	6 36	1 22	19 35	0 51	17 0	0 16	14 51	0 33	20 19	3 13	9 20	9 10	18 53	18 20	5 3
S 5	21 40	18 20	3 32	23 18	2 4	18 50	1 34	21 3	1 5	6 38	1 22	19 37	0 51	17 0	0 16	14 52	0 33	20 19	3 13	9 18	9 9	18 53	18 20	5 3
M 6	21 30	19 1	4 11	22 59	2 4	18 29	1 34	20 52	1 5	6 39	1 22	19 38	0 51	17 0	0 16	14 52	0 33	20 19	3 13	9 14	9 7	18 53	18 20	5 3
T 7	21 20	18 51	4 40	22 39	2 4	18 7	1 34	20 42	1 5	6 40	1 22	19 39	0 51	17 0	0 16	14 53	0 33	20 19	3 13	9 10	9 6	18 53	18 20	5 3
W 8	21 9	17 51	4 56	22 16	2 3	17 45	1 34	20 31	1 5	6 41	1 23	19 40	0 51	17 0	0 16	14 53	0 33	20 19	3 13	9 5	9 5	18 53	18 20	5 4
T 9	20 57	16 3	4 59	21 52	2 2	17 23	1 34	20 19	1 5	6 42	1 23	19 42	0 51	17 0	0 16	14 54	0 33	20 19	3 13	8 59	9 4	18 53	18 20	5 4
F 10	20 45	13 31	4 48	21 26	2 0	17 0	1 34	20 8	1 5	6 44	1 23	19 43	0 51	17 0	0 16	14 54	0 33	20 19	3 12	8 54	9 3	18 53	18 20	5 4
S 11	20 33	10 22	4 24	20 59	1 58	16 36	1 34	19 56	1 5	6 45	1 23	19 44	0 52	16 59	0 16	14 55	0 33	20 19	3 12	8 49	9 1	18 53	18 20	5 5
S 12	20 21	6 43	3 47	20 30	1 55	16 12	1 34	19 44	1 5	6 46	1 24	19 46	0 52	16 59	0 16	14 55	0 33	20 19	3 12	8 45	9 0	18 53	18 20	5 5
M13	20 8	2 43	2 57	19 59	1 52	15 48	1 33	19 32	1 5	6 46	1 24	19 47	0 52	16 59	0 16	14 56	0 33	20 20	3 12	8 42	8 59	18 53	18 20	5 5
T 14	19 54	1s28	1 59	19 26	1 48	15 23	1 33	19 20	1 5	6 47	1 24	19 48	0 52	16 59	0 16	14 56	0 33	20 20	3 12	8 41	8 58	18 53	18 19	5 6
W15	19 41	5 40	0 52	18 52	1 43	14 58	1 33	19 8	1 5	6 48	1 24	19 50	0 52	16 59	0 16	14 57	0 33	20 20	3 12	8 40	8 57	18 53	18 19	5 6
T 16	19 27	9 40	0n18	18 17	1 38	14 32	1 32	18 55	1 5	6 49	1 25	19 51	0 52	16 59	0 16	14 57	0 33	20 20	3 12	8 40	8 56	18 53	18 19	5 7
F 17	19 12	13 14	1 29	17 40	1 32	14 6	1 32	18 42	1 5	6 49	1 25	19 52	0 52	16 59	0 16	14 58	0 33	20 20	3 12	8 40	8 54	18 53	18 19	5 7
S 18	18 57	16 8	2 37	17 1	1 26	13 40	1 31	18 29	1 5	6 50	1 25	19 54	0 52	16 59	0 16	14 58	0 33	20 20	3 12	8 39	8 53	18 53	18 19	5 7
S 19	18 42	18 7	3 36	16 22	1 18	13 13	1 30	18 15	1 5	6 50	1 25	19 55	0 52	16 59	0 16	14 59	0 33	20 20	3 12	8 38	8 52	18 52	18 19	5 8
M20	18 27	18 56	4 22	15 41	1 10	12 46	1 30	18 2	1 5	6 51	1 26	19 56	0 53	16 59	0 16	14 59	0 33	20 20	3 12	8 36	8 51	18 52	18 18	5 8
T 21	18 11	18 29	4 52	14 59	1 1	12 18	1 29	17 48	1 5	6 51	1 26	19 57	0 53	16 59	0 16	15 0	0 33	20 20	3 12	8 33	8 50	18 52	18 18	5 9
W22	17 55	16 45	5 2	14 17	0 52	11 50	1 28	17 34	1 5	6 51	1 26	19 59	0 53	16 59	0 16	15 1	0 33	20 20	3 12	8 29	8 48	18 52	18 18	5 9
T 23	17 39	13 55	4 51	13 34	0 41	11 22	1 27	17 20	1 5	6 51	1 26	20 0	0 53	17 0	0 16	15 1	0 33	20 20	3 12	8 25	8 47	18 52	18 18	5 9
F 24	17 22	10 14	4 21	12 50	0 30	10 54	1 26	17 6	1 5	6 51	1 27	20 1	0 53	17 0	0 16	15 2	0 33	20 20	3 12	8 21	8 46	18 52	18 17	5 10
S 25	17 5	6 1	3 35	12 7	0 18	10 25	1 25	16 51	1 5	6 51	1 27	20 2	0 53	17 0	0 16	15 2	0 33	20 20	3 12	8 17	8 45	18 52	18 17	5 10
S 26	16 48	1 37	2 37	11 23	0 6	9 56	1 23	16 37	1 5	6 51	1 27	20 4	0 53	17 0	0 15	15 3	0 34	20 20	3 12	8 15	8 44	18 52	18 17	5 11
M27	16 30	2n44	1 33	10 41	0n 8	9 27	1 22	16 22	1 4	6 51	1 27	20 5	0 53	17 0	0 15	15 3	0 34	20 20	3 12	8 13	8 43	18 52	18 17	5 11
T 28	16 12	6 49	0 25	9 59	0 21	8 58	1 21	16 7	1 4	6 51	1 28	20 6	0 53	17 0	0 15	15 4	0 34	20 20	3 12	8 13	8 41	18 52	18 16	5 12
W29	15 54	10 29	0s42	9 18	0 36	8 28	1 19	15 52	1 4	6 51	1 28	20 7	0 53	17 0	0 15	15 4	0 34	20 20	3 12	8 13	8 40	18 52	18 16	5 12
T 30	15 35	13 34	1 46	8 39	0 51	7 58	1 18	15 37	1 4	6 50	1 28	20 9	0 53	17 1	0 15	15 5	0 34	20 20	3 12	8 13	8 39	18 51	18 16	5 12
F 31	15s17	16n 1	2s43	8s 2	1n 6	7s28	1s16	15s21	1s 4	6s50	1n28	20n10	0n53	17n 1	0s15	15n 5	0n34	20s20	3n12	8s13	8s38	18n51	18s15	5n13

Julian Day Number = 2184925.5, Delta T = 11m12s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'35, Lahiri = 13°40'36 Julian Calendar 1 Jan. 1270 == Greg. Calendar 8 Jan. 1270

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

FEBRUARY 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 12 57	19♒42'11	5♊ 9	7♓41	15♓18	22♒27	20°R55	4°R 4	18♉ 0	20°R57	1♑10	20°R57	22♎ 1	23♊49	26♐ 1	S 1
S 2	9 16 53	20°42'39	16°59	8°27	16°32	23°14	20♎54	3♌59	18° 1	20♌55	1°11	20♎54	21°58	23°56	26° 6	S 2
M 3	9 20 50	21°43'04	28°50	9° 4	17°46	24° 1	20°53	3°54	18° 2	20°53	1°13	20°48	21°55	24° 2	26°10	M 3
T 4	9 24 46	22°43'28	10♋46	9°31	19° 0	24°49	20°52	3°50	18° 3	20°52	1°14	20°39	21°52	24° 9	26°15	T 4
W 5	9 28 43	23°43'51	22°50	9°49	20°14	25°36	20°50	3°45	18° 4	20°50	1°16	20°29	21°49	24°16	26°19	W 5
T 6	9 32 39	24°44'11	5♌ 4	9°R57	21°28	26°23	20°49	3°41	18° 5	20°48	1°17	20°18	21°45	24°23	26°23	T 6
F 7	9 36 36	25°44'29	17°30	9°55	22°42	27°11	20°47	3°37	18° 6	20°47	1°18	20° 8	21°42	24°29	26°28	F 7
S 8	9 40 32	26°44'46	0♍ 8	9°43	23°56	27°58	20°45	3°32	18° 7	20°45	1°20	19°58	21°39	24°36	26°32	S 8
S 9	9 44 29	27°45'00	12°58	9°22	25° 9	28°45	20°43	3°28	18° 8	20°43	1°21	19°51	21°36	24°43	26°36	S 9
M10	9 48 25	28°45'13	25°59	8°52	26°23	29°33	20°41	3°24	18° 9	20°42	1°22	19°46	21°33	24°49	26°40	M10
T 11	9 52 22	29°45'25	9♎12	8°14	27°37	0♓20	20°38	3°20	18°10	20°40	1°24	19°43	21°29	24°56	26°44	T 11
W12	9 56 19	0♓45'34	22°36	7°29	28°51	1° 7	20°35	3°16	18°12	20°38	1°25	19°D43	21°26	25° 3	26°48	W12
T 13	10 0 15	1°45'43	6♏11	6°38	0♈ 4	1°54	20°32	3°12	18°13	20°37	1°26	19°43	21°23	25°10	26°51	T 13
F 14	10 4 12	2°45'49	19°58	5°42	1°18	2°41	20°29	3° 8	18°14	20°35	1°28	19°45	21°20	25°16	26°55	F 14
S 15	10 8 8	3°45'54	3♐56	4°43	2°31	3°29	20°26	3° 4	18°16	20°33	1°29	19°R45	21°17	25°23	26°59	S 15
S 16	10 12 5	4°45'58	18° 6	3°42	3°45	4°16	20°23	3° 0	18°17	20°32	1°30	19°44	21°14	25°30	27° 2	S 16
M17	10 16 1	5°46'00	2♑26	2°41	4°58	5° 3	20°19	2°56	18°19	20°30	1°31	19°42	21°10	25°36	27° 6	M17
T 18	10 19 58	6°46'00	16°52	1°41	6°12	5°50	20°15	2°53	18°20	20°29	1°32	19°37	21° 7	25°43	27° 9	T 18
W19	10 23 54	7°45'58	1♒21	0°43	7°25	6°37	20°12	2°49	18°22	20°27	1°33	19°31	21° 4	25°50	27°13	W19
T 20	10 27 51	8°45'55	15°46	29♒48	8°38	7°24	20° 7	2°46	18°23	20°25	1°34	19°24	21° 1	25°57	27°16	T 20
F 21	10 31 48	9°45'50	0♓ 2	28°58	9°51	8°11	20° 3	2°42	18°25	20°24	1°35	19°18	20°58	26° 3	27°19	F 21
S 22	10 35 44	10°45'43	14° 4	28°13	11° 4	8°58	19°59	2°39	18°27	20°22	1°37	19°13	20°55	26°10	27°22	S 22
S 23	10 39 41	11°45'34	27°46	27°34	12°18	9°46	19°54	2°36	18°29	20°21	1°37	19° 9	20°51	26°17	27°26	S 23
M24	10 43 37	12°45'23	11♈ 6	27° 1	13°31	10°33	19°49	2°33	18°30	20°19	1°38	19° 7	20°48	26°23	27°28	M24
T 25	10 47 34	13°45'09	24° 4	26°34	14°44	11°19	19°45	2°29	18°32	20°18	1°39	19°D 7	20°45	26°30	27°31	T 25
W26	10 51 30	14°44'54	6♉42	26°13	15°57	12° 6	19°39	2°26	18°34	20°16	1°40	19° 8	20°42	26°37	27°34	W26
T 27	10 55 27	15°44'36	19° 1	25°59	17° 9	12°53	19°34	2°24	18°36	20°15	1°41	19°10	20°39	26°43	27°37	T 27
F 28	10 59 23	16♓44'16	1♊ 7	25♒51	18♈22	13♓40	19♎29	2♌21	18♉38	20♌13	1♑42	19♎11	20♎35	26♊50	27♐40	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s58	17n45	3s33	7s27	1n22	6s58	1s15	15s 5	1s 4	6s50	1n29	20n11	0n54	17n 1	0s15	15n 6	0n34	20s20	3n12	8s13	8s37	18n51	18s15	5n13
S 2	14 39	18 41	4 13	6 56	1 37	6 28	1 13	14 50	1 4	6 49	1 29	20 12	0 54	17 1	0 15	15 7	0 34	20 20	3 12	8 11	8 35	18 51	18 15	5 14
M 3	14 19	18 49	4 43	6 28	1 53	5 57	1 11	14 34	1 4	6 48	1 29	20 13	0 54	17 1	0 15	15 7	0 34	20 20	3 12	8 9	8 34	18 51	18 14	5 14
T 4	14 0	18 7	5 0	6 3	2 8	5 26	1 10	14 18	1 3	6 48	1 29	20 14	0 54	17 2	0 15	15 8	0 34	20 20	3 12	8 6	8 33	18 51	18 14	5 15
W 5	13 40	16 35	5 4	5 42	2 23	4 55	1 8	14 2	1 3	6 47	1 29	20 15	0 54	17 2	0 15	15 8	0 34	20 20	3 12	8 2	8 32	18 51	18 14	5 15
T 6	13 20	14 18	4 55	5 26	2 38	4 24	1 6	13 45	1 3	6 46	1 30	20 17	0 54	17 2	0 15	15 9	0 34	20 20	3 12	7 58	8 31	18 51	18 13	5 16
F 7	12 59	11 21	4 31	5 14	2 51	3 53	1 4	13 29	1 3	6 45	1 30	20 18	0 54	17 3	0 15	15 9	0 34	20 20	3 12	7 54	8 29	18 51	18 13	5 16
S 8	12 39	7 49	3 54	5 7	3 4	3 22	1 2	13 12	1 3	6 44	1 30	20 19	0 54	17 3	0 15	15 10	0 34	20 20	3 12	7 50	8 28	18 50	18 13	5 17
S 9	12 18	3 53	3 4	5 5	3 15	2 51	1 0	12 56	1 2	6 43	1 30	20 20	0 54	17 3	0 15	15 10	0 34	20 20	3 11	7 47	8 27	18 50	18 12	5 17
M10	11 57	0s18	2 4	5 7	3 25	2 19	0 58	12 39	1 2	6 42	1 31	20 21	0 54	17 4	0 15	15 11	0 34	20 20	3 11	7 45	8 26	18 50	18 12	5 18
T 11	11 36	4 31	0 56	5 14	3 33	1 48	0 55	12 22	1 2	6 41	1 31	20 22	0 54	17 4	0 15	15 11	0 34	20 20	3 11	7 45	8 25	18 50	18 11	5 18
W12	11 15	8 35	0n16	5 25	3 39	1 16	0 53	12 5	1 2	6 40	1 31	20 23	0 54	17 4	0 15	15 12	0 34	20 20	3 11	7 44	8 23	18 50	18 11	5 19
T 13	10 53	12 15	1 28	5 40	3 43	0 45	0 51	11 48	1 2	6 39	1 31	20 24	0 54	17 5	0 15	15 13	0 34	20 20	3 11	7 45	8 22	18 50	18 10	5 19
F 14	10 32	15 18	2 36	5 59	3 45	0 13	0 48	11 31	1 1	6 37	1 32	20 25	0 54	17 5	0 15	15 13	0 34	20 20	3 11	7 45	8 21	18 50	18 10	5 20
S 15	10 10	17 29	3 36	6 20	3 44	0n18	0 46	11 13	1 1	6 36	1 32	20 26	0 54	17 5	0 15	15 14	0 34	20 20	3 11	7 45	8 20	18 49	18 10	5 20
S 16	9 48	18 37	4 23	6 44	3 42	0 50	0 43	10 56	1 1	6 34	1 32	20 27	0 54	17 6	0 15	15 14	0 34	20 20	3 11	7 45	8 19	18 49	18 9	5 21
M17	9 26	18 35	4 55	7 10	3 38	1 21	0 41	10 38	1 1	6 33	1 32	20 28	0 54	17 6	0 15	15 15	0 34	20 20	3 11	7 44	8 17	18 49	18 9	5 21
T 18	9 4	17 22	5 9	7 38	3 31	1 53	0 38	10 21	1 0	6 31	1 32	20 28	0 55	17 7	0 15	15 15	0 34	20 20	3 11	7 42	8 16	18 49	18 8	5 22
W19	8 41	15 1	5 2	8 6	3 23	2 24	0 36	10 3	1 0	6 30	1 33	20 29	0 55	17 7	0 15	15 16	0 34	20 20	3 11	7 40	8 15	18 49	18 8	5 22
T 20	8 19	11 45	4 37	8 34	3 14	2 56	0 33	9 45	1 0	6 28	1 33	20 30	0 55	17 8	0 15	15 16	0 34	20 20	3 11	7 37	8 14	18 49	18 7	5 23
F 21	7 56	7 50	3 55	9 1	3 3	3 27	0 30	9 27	1 0	6 26	1 33	20 31	0 55	17 8	0 15	15 17	0 34	20 20	3 11	7 35	8 13	18 48	18 7	5 24
S 22	7 34	3 33	2 59	9 28	2 51	3 59	0 28	9 9	0 59	6 24	1 33	20 32	0 55	17 9	0 15	15 17	0 34	20 20	3 11	7 33	8 12	18 48	18 6	5 24
S 23	7 11	0n51	1 54	9 54	2 38	4 30	0 25	8 51	0 59	6 22	1 33	20 33	0 55	17 9	0 15	15 18	0 34	20 20	3 11	7 32	8 10	18 48	18 6	5 25
M24	6 48	5 5	0 44	10 18	2 24	5 1	0 22	8 33	0 59	6 20	1 33	20 33	0 55	17 10	0 15	15 18	0 34	20 20	3 11	7 31	8 9	18 48	18 5	5 25
T 25	6 25	8 57	0s27	10 41	2 10	5 32	0 19	8 15	0 58	6 18	1 34	20 34	0 55	17 10	0 15	15 19	0 34	20 20	3 11	7 31	8 8	18 48	18 5	5 26
W26	6 2	12 19	1 35	11 1	1 55	6 3	0 16	7 56	0 58	6 16	1 34	20 35	0 55	17 11	0 15	15 19	0 34	20 20	3 11	7 31	8 7	18 47	18 4	5 26
T 27	5 39	15 2	2 36	11 20	1 41	6 34	0 13	7 38	0 58	6 14	1 34	20 35	0 55	17 11	0 15	15 20	0 34	20 20	3 11	7 32	8 6	18 47	18 4	5 27
F 28	5s15	17n 3	3s30	11s36	1n26	7n 4	0s10	7s20	0s58	6s12	1n34	20n36	0n55	17n12	0s15	15n20	0n34	20s20	3n11	7s32	8s 4	18n47	18s 3	5n28

Julian Day Number = 2184956.5, Delta T = 11m12s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'40, Lahiri = 13°40'40 Julian Calendar 1 Feb. 1270 == Greg. Calendar 8 Feb. 1270

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

MARCH 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 3 20	17♓43'54	13♊ 4	25°D49	19♈35	14♓27	19°R23	2°R18	18♉40	20°R12	1♑43	19°R12	20♎32	26♊57	27♐42	S 1
S 2	11 7 17	18°43'29	24°56	25♒53	20°48	15°14	19♎18	2♌15	18°42	20♌10	1°44	19♎12	20°29	27° 4	27°45	S 2
M 3	11 11 13	19°43'02	6♋48	26° 3	22° 0	16° 1	19°12	2°13	18°44	20° 9	1°44	19°11	20°26	27°10	27°47	M 3
T 4	11 15 10	20°42'33	18°46	26°18	23°13	16°47	19° 6	2°11	18°47	20° 7	1°45	19° 8	20°23	27°17	27°49	T 4
W 5	11 19 6	21°42'01	0♌53	26°38	24°25	17°34	19° 0	2° 8	18°49	20° 6	1°46	19° 4	20°20	27°24	27°52	W 5
T 6	11 23 3	22°41'28	13°13	27° 3	25°37	18°21	18°54	2° 6	18°51	20° 5	1°46	19° 0	20°16	27°30	27°54	T 6
F 7	11 26 59	23°40'52	25°48	27°33	26°50	19° 7	18°48	2° 4	18°53	20° 3	1°47	18°56	20°13	27°37	27°56	F 7
S 8	11 30 56	24°40'13	8♍40	28° 7	28° 2	19°54	18°42	2° 2	18°56	20° 2	1°48	18°52	20°10	27°44	27°58	S 8
S 9	11 34 52	25°39'33	21°48	28°45	29°14	20°41	18°35	2° 0	18°58	20° 1	1°48	18°49	20° 7	27°51	28° 0	S 9
M10	11 38 49	26°38'50	5♎12	29°27	0♉26	21°27	18°28	1°58	19° 1	19°59	1°49	18°47	20° 4	27°57	28° 2	M10
T 11	11 42 45	27°38'05	18°50	0♓13	1°38	22°14	18°22	1°56	19° 3	19°58	1°49	18°D47	20° 0	28° 4	28° 3	T 11
W12	11 46 42	28°37'19	2♏40	1° 2	2°50	23° 0	18°15	1°55	19° 5	19°57	1°50	18°47	19°57	28°11	28° 5	W12
T 13	11 50 39	29°36'30	16°39	1°55	4° 2	23°47	18° 8	1°53	19° 8	19°56	1°50	18°48	19°54	28°17	28° 6	T 13
F 14	11 54 35	0♈35'40	0♐45	2°50	5°14	24°33	18° 1	1°52	19°11	19°54	1°51	18°50	19°51	28°24	28° 8	F 14
S 15	11 58 32	1°34'48	14°55	3°49	6°25	25°19	17°54	1°51	19°13	19°53	1°51	18°51	19°48	28°31	28° 9	S 15
S 16	12 2 28	2°33'54	29° 8	4°50	7°37	26° 6	17°47	1°49	19°16	19°52	1°51	18°R51	19°45	28°38	28°11	S 16
M17	12 6 25	3°32'59	13♑20	5°54	8°49	26°52	17°40	1°48	19°18	19°51	1°52	18°51	19°41	28°44	28°12	M17
T 18	12 10 21	4°32'01	27°30	7° 0	10° 0	27°38	17°33	1°47	19°21	19°50	1°52	18°50	19°38	28°51	28°13	T 18
W19	12 14 18	5°31'02	11♒35	8° 9	11°11	28°25	17°25	1°46	19°24	19°49	1°52	18°49	19°35	28°58	28°14	W19
T 20	12 18 14	6°30'01	25°32	9°20	12°23	29°11	17°18	1°46	19°27	19°48	1°53	18°47	19°32	29° 4	28°15	T 20
F 21	12 22 11	7°28'59	9♓19	10°33	13°34	29°57	17°10	1°45	19°29	19°47	1°53	18°46	19°29	29°11	28°16	F 21
S 22	12 26 8	8°27'54	22°53	11°48	14°45	0♈43	17° 3	1°44	19°32	19°46	1°53	18°45	19°26	29°18	28°17	S 22
S 23	12 30 4	9°26'47	6♈13	13° 5	15°56	1°29	16°55	1°44	19°35	19°45	1°53	18°44	19°22	29°25	28°17	S 23
M24	12 34 1	10°25'38	19°16	14°25	17° 7	2°15	16°48	1°44	19°38	19°44	1°53	18°D44	19°19	29°31	28°18	M24
T 25	12 37 57	11°24'27	2♉ 3	15°46	18°18	3° 1	16°40	1°43	19°41	19°43	1°53	18°44	19°16	29°38	28°18	T 25
W26	12 41 54	12°23'14	14°34	17° 9	19°28	3°47	16°33	1°43	19°44	19°42	1°53	18°44	19°13	29°45	28°19	W26
T 27	12 45 50	13°21'59	26°51	18°34	20°39	4°33	16°25	1°D43	19°47	19°41	1°R53	18°45	19°10	29°51	28°19	T 27
F 28	12 49 47	14°20'42	8♊57	20° 1	21°50	5°19	16°17	1°43	19°50	19°40	1°53	18°45	19° 6	29°58	28°19	F 28
S 29	12 53 43	15°19'23	20°54	21°30	23° 0	6° 5	16°10	1°43	19°53	19°40	1°53	18°46	19° 3	0♋ 5	28°19	S 29
S 30	12 57 40	16°18'01	2♋47	23° 0	24°10	6°50	16° 2	1°44	19°56	19°39	1°53	18°46	19° 0	0°12	28°R19	S 30
M31	13 1 37	17♈16'37	14♋40	24♓32	25♉21	7♈36	15♎54	1♌44	19♉59	19♌38	1♑53	18°R46	18♎57	0♋18	28♐19	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s52	18n16	4s13	11s51	1n11	7n35	0s 7	7s 1	0s57	6s10	1n34	20n37	0n55	17n13	0s15	15n21	0n34	20s20	3n11	7s33	8s 3	18n47	18s 3	5n28
S 2	4 29	18 41	4 46	12 3	0 57	8 5	0 4	6 43	0 57	6 8	1 34	20 37	0 55	17 13	0 15	15 21	0 34	20 20	3 11	7 33	8 2	18 47	18 2	5 29
M 3	4 5	18 16	5 6	12 13	0 43	8 35	0 1	6 24	0 57	6 5	1 35	20 38	0 55	17 14	0 15	15 21	0 34	20 20	3 11	7 32	8 1	18 46	18 2	5 29
T 4	3 42	17 3	5 13	12 21	0 29	9 5	0n 2	6 6	0 56	6 3	1 35	20 39	0 55	17 14	0 15	15 22	0 34	20 20	3 11	7 31	8 0	18 46	18 1	5 30
W 5	3 18	15 3	5 6	12 26	0 16	9 35	0 5	5 47	0 56	6 0	1 35	20 39	0 55	17 15	0 15	15 22	0 34	20 20	3 11	7 30	7 58	18 46	18 0	5 30
T 6	2 55	12 21	4 46	12 30	0 3	10 5	0 9	5 29	0 56	5 58	1 35	20 40	0 55	17 16	0 15	15 23	0 34	20 20	3 11	7 28	7 57	18 46	18 0	5 31
F 7	2 31	9 2	4 11	12 31	0s10	10 34	0 12	5 10	0 55	5 56	1 35	20 40	0 55	17 16	0 15	15 23	0 34	20 20	3 11	7 27	7 56	18 46	17 59	5 32
S 8	2 8	5 13	3 23	12 31	0 22	11 3	0 15	4 51	0 55	5 53	1 35	20 41	0 55	17 17	0 15	15 24	0 34	20 20	3 11	7 25	7 55	18 45	17 59	5 32
S 9	1 44	1 5	2 23	12 28	0 33	11 32	0 18	4 32	0 54	5 50	1 35	20 41	0 55	17 18	0 15	15 24	0 34	20 20	3 11	7 24	7 54	18 45	17 58	5 33
M10	1 20	3s12	1 14	12 24	0 44	12 0	0 21	4 14	0 54	5 48	1 35	20 41	0 55	17 18	0 15	15 24	0 34	20 20	3 11	7 23	7 52	18 45	17 58	5 33
T 11	0 57	7 24	0n 0	12 18	0 55	12 28	0 25	3 55	0 54	5 45	1 36	20 42	0 55	17 19	0 15	15 25	0 34	20 20	3 11	7 23	7 51	18 45	17 57	5 34
W12	0 33	11 15	1 16	12 10	1 5	12 56	0 28	3 36	0 53	5 43	1 36	20 42	0 55	17 20	0 15	15 25	0 34	20 20	3 11	7 23	7 50	18 44	17 57	5 35
T 13	0 9	14 31	2 28	12 0	1 14	13 24	0 31	3 17	0 53	5 40	1 36	20 43	0 55	17 20	0 15	15 26	0 34	20 20	3 11	7 24	7 49	18 44	17 56	5 35
F 14	0n14	16 56	3 31	11 48	1 23	13 51	0 34	2 58	0 52	5 37	1 36	20 43	0 55	17 21	0 15	15 26	0 34	20 20	3 11	7 24	7 47	18 44	17 55	5 36
S 15	0 38	18 20	4 22	11 34	1 32	14 18	0 38	2 40	0 52	5 34	1 36	20 43	0 55	17 22	0 15	15 26	0 34	20 20	3 11	7 25	7 46	18 44	17 55	5 36
S 16	1 1	18 34	4 57	11 19	1 40	14 45	0 41	2 21	0 52	5 32	1 36	20 43	0 55	17 23	0 14	15 27	0 34	20 20	3 11	7 25	7 45	18 43	17 54	5 37
M17	1 25	17 39	5 14	11 2	1 47	15 11	0 44	2 2	0 51	5 29	1 36	20 44	0 55	17 23	0 14	15 27	0 34	20 20	3 11	7 25	7 44	18 43	17 54	5 38
T 18	1 49	15 38	5 12	10 44	1 54	15 37	0 48	1 43	0 51	5 26	1 36	20 44	0 55	17 24	0 14	15 27	0 34	20 20	3 11	7 24	7 43	18 43	17 53	5 38
W19	2 12	12 42	4 51	10 24	2 0	16 3	0 51	1 24	0 50	5 23	1 36	20 44	0 55	17 25	0 14	15 28	0 34	20 20	3 11	7 24	7 41	18 43	17 52	5 39
T 20	2 35	9 5	4 14	10 3	2 6	16 28	0 54	1 5	0 50	5 20	1 36	20 44	0 55	17 26	0 14	15 28	0 34	20 20	3 11	7 23	7 40	18 42	17 52	5 39
F 21	2 59	5 0	3 21	9 40	2 11	16 53	0 58	0 47	0 50	5 17	1 36	20 44	0 55	17 26	0 14	15 28	0 34	20 20	3 11	7 23	7 39	18 42	17 51	5 40
S 22	3 22	0 43	2 18	9 15	2 16	17 18	1 1	0 28	0 49	5 14	1 36	20 45	0 55	17 27	0 14	15 29	0 34	20 20	3 11	7 22	7 38	18 42	17 51	5 41
S 23	3 45	3n32	1 9	8 49	2 20	17 42	1 4	0 9	0 49	5 11	1 36	20 45	0 55	17 28	0 14	15 29	0 34	20 20	3 11	7 22	7 37	18 42	17 50	5 41
M24	4 9	7 31	0s 3	8 22	2 23	18 5	1 7	0n10	0 48	5 9	1 36	20 45	0 55	17 29	0 14	15 29	0 34	20 20	3 11	7 22	7 35	18 41	17 49	5 42
T 25	4 32	11 5	1 13	7 53	2 26	18 28	1 10	0 29	0 48	5 6	1 36	20 45	0 55	17 30	0 14	15 30	0 34	20 20	3 11	7 22	7 34	18 41	17 49	5 43
W26	4 55	14 4	2 18	7 23	2 29	18 51	1 14	0 47	0 47	5 3	1 36	20 45	0 55	17 30	0 14	15 30	0 34	20 20	3 11	7 22	7 33	18 41	17 48	5 43
T 27	5 18	16 21	3 16	6 51	2 31	19 13	1 17	1 6	0 47	5 0	1 36	20 45	0 55	17 31	0 14	15 30	0 34	20 20	3 11	7 22	7 32	18 40	17 48	5 44
F 28	5 41	17 52	4 4	6 18	2 33	19 35	1 20	1 25	0 46	4 57	1 36	20 45	0 55	17 32	0 14	15 30	0 34	20 20	3 11	7 23	7 31	18 40	17 47	5 44
S 29	6 3	18 33	4 41	5 44	2 34	19 56	1 23	1 43	0 46	4 54	1 36	20 45	0 55	17 33	0 14	15 31	0 34	20 20	3 11	7 23	7 29	18 40	17 46	5 45
S 30	6 26	18 25	5 5	5 9	2 34	20 17	1 26	2 2	0 45	4 51	1 36	20 45	0 55	17 34	0 14	15 31	0 34	20 20	3 11	7 23	7 28	18 40	17 46	5 46
M31	6n49	17n29	5s16	4s32	2s34	20n37	1n29	2n20	0s45	4s48	1n36	20n45	0n55	17n34	0s14	15n31	0n34	20s20	3n11	7s23	7s27	18n39	17s45	5n46

Julian Day Number = 2184984.5, Delta T = 11m12s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'44, Lahiri = 13°40'44 Julian Calendar 1 March 1270 == Greg. Calendar 8 March 1270

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

APRIL 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 5 33	18♈15'11	26♋38	26♓ 6	26♉31	8♈22	15°R46	1♘45	20♉ 2	19°R37	1°R53	18°D46	18♎54	0♋25	28°R19	T 1
W 2	13 9 30	19°13'43	8♘45	27°41	27°41	9° 7	15♎39	1°45	20° 5	19♘37	1♑53	18♎46	18°51	0°32	28♐19	W 2
T 3	13 13 26	20°12'13	21° 6	29°19	28°51	9°53	15°31	1°46	20° 8	19°36	1°53	18°46	18°47	0°38	28°19	T 3
F 4	13 17 23	21°10'40	3♍44	0♈57	0♊ 0	10°39	15°24	1°47	20°11	19°35	1°52	18°47	18°44	0°45	28°18	F 4
S 5	13 21 19	22° 9'05	16°42	2°38	1°10	11°24	15°16	1°48	20°14	19°35	1°52	18°47	18°41	0°52	28°18	S 5
S 6	13 25 16	23° 7'28	0♎ 2	4°20	2°20	12° 9	15° 8	1°49	20°18	19°34	1°52	18°47	18°38	0°59	28°17	S 6
M 7	13 29 12	24° 5'49	13°43	6° 4	3°29	12°55	15° 1	1°50	20°21	19°34	1°51	18°R47	18°35	1° 5	28°17	M 7
T 8	13 33 9	25° 4'08	27°44	7°50	4°38	13°40	14°53	1°51	20°24	19°33	1°51	18°47	18°32	1°12	28°16	T 8
W 9	13 37 5	26° 2'26	12♏ 1	9°37	5°48	14°25	14°46	1°53	20°27	19°33	1°51	18°47	18°28	1°19	28°15	W 9
T 10	13 41 2	27° 0'41	26°29	11°27	6°57	15°11	14°38	1°54	20°31	19°32	1°50	18°46	18°25	1°25	28°14	T 10
F 11	13 44 59	27°58'55	11♐ 2	13°17	8° 6	15°56	14°31	1°56	20°34	19°32	1°50	18°45	18°22	1°32	28°13	F 11
S 12	13 48 55	28°57'08	25°35	15°10	9°14	16°41	14°24	1°58	20°37	19°31	1°49	18°44	18°19	1°39	28°12	S 12
S 13	13 52 52	29°55'19	10♑ 2	17° 4	10°23	17°26	14°17	1°59	20°40	19°31	1°49	18°43	18°16	1°46	28°11	S 13
M14	13 56 48	0♒53'29	24°20	19° 1	11°31	18°11	14°10	2° 1	20°44	19°31	1°48	18°D43	18°12	1°52	28°10	M14
T 15	14 0 45	1°51'37	8♓25	20°58	12°40	18°56	14° 3	2° 3	20°47	19°31	1°48	18°43	18° 9	1°59	28° 8	T 15
W16	14 4 41	2°49'43	22°16	22°58	13°48	19°41	13°56	2° 5	20°50	19°30	1°47	18°43	18° 6	2° 6	28° 7	W16
T 17	14 8 38	3°47'48	5♈53	24°59	14°56	20°26	13°49	2° 8	20°54	19°30	1°47	18°44	18° 3	2°12	28° 6	T 17
F 18	14 12 34	4°45'52	19°16	27° 2	16° 4	21°11	13°42	2°10	20°57	19°30	1°46	18°45	18° 0	2°19	28° 4	F 18
S 19	14 16 31	5°43'54	2♉25	29° 6	17°12	21°56	13°35	2°12	21° 1	19°30	1°45	18°47	17°57	2°26	28° 2	S 19
S 20	14 20 28	6°41'55	15°20	1♊12	18°20	22°40	13°29	2°15	21° 4	19°30	1°45	18°R47	17°53	2°33	28° 1	S 20
M21	14 24 24	7°39'54	28° 3	3°19	19°27	23°25	13°22	2°18	21° 7	19°29	1°44	18°47	17°50	2°39	27°59	M21
T 22	14 28 21	8°37'52	10♊34	5°27	20°34	24°10	13°16	2°20	21°11	19°29	1°43	18°46	17°47	2°46	27°57	T 22
W23	14 32 17	9°35'48	22°54	7°36	21°42	24°54	13° 9	2°23	21°14	19°D29	1°42	18°44	17°44	2°53	27°55	W23
T 24	14 36 14	10°33'43	5♋ 3	9°46	22°49	25°39	13° 3	2°26	21°18	19°29	1°42	18°40	17°41	3° 0	27°53	T 24
F 25	14 40 10	11°31'35	17° 5	11°56	23°56	26°23	12°57	2°29	21°21	19°29	1°41	18°37	17°37	3° 6	27°51	F 25
S 26	14 44 7	12°29'27	29° 0	14° 7	25° 2	27° 8	12°51	2°32	21°25	19°30	1°40	18°33	17°34	3°13	27°49	S 26
S 27	14 48 3	13°27'16	10♌53	16°18	26° 9	27°52	12°45	2°35	21°28	19°30	1°39	18°29	17°31	3°20	27°47	S 27
M28	14 52 0	14°25'04	22°45	18°29	27°15	28°37	12°40	2°39	21°32	19°30	1°38	18°27	17°28	3°26	27°44	M28
T 29	14 55 57	15°22'50	4♘42	20°39	28°21	29°21	12°34	2°42	21°35	19°30	1°37	18°25	17°25	3°33	27°42	T 29
W30	14 59 53	16♉20'35	16♘47	22♉49	29♊27	0♉ 5	12♎29	2♘45	21♉39	19♘30	1♑36	18°D24	17♎22	3♋40	27♐39	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	7n11	15n46	5s14	3s54	2s33	20n57	1n32	2n39	0s44	4s45	1n36	20n44	0n55	17n35	0s14	15n31	0n34	20s20	3n11	7s23	7s26	18n39	17s45	5n47	T 1
W 2	7 33	13 20	4 58	3 15	2 32	21 16	1 35	2 57	0 44	4 42	1 36	20 44	0 55	17 36	0 14	15 32	0 34	20 20	3 11	7 23	7 25	18 39	17 44	5 47	W 2
T 3	7 56	10 17	4 28	2 35	2 31	21 35	1 38	3 16	0 43	4 39	1 36	20 44	0 55	17 37	0 14	15 32	0 34	20 20	3 11	7 23	7 23	18 38	17 43	5 48	T 3
F 4	8 18	6 41	3 45	1 53	2 28	21 53	1 41	3 34	0 43	4 36	1 36	20 44	0 55	17 38	0 14	15 32	0 34	20 20	3 11	7 23	7 22	18 38	17 43	5 49	F 4
S 5	8 39	2 41	2 49	1 11	2 26	22 10	1 44	3 53	0 42	4 33	1 36	20 44	0 55	17 39	0 14	15 32	0 34	20 20	3 11	7 23	7 21	18 38	17 42	5 49	S 5
S 6	9 1	1s35	1 42	0 27	2 22	22 27	1 47	4 11	0 42	4 31	1 36	20 43	0 55	17 40	0 14	15 32	0 34	20 20	3 11	7 23	7 20	18 37	17 42	5 50	S 6
M 7	9 23	5 52	0 28	0n18	2 19	22 44	1 50	4 29	0 41	4 28	1 36	20 43	0 55	17 41	0 14	15 33	0 34	20 20	3 11	7 23	7 18	18 37	17 41	5 50	M 7
T 8	9 44	9 56	0n49	1 4	2 14	23 0	1 53	4 47	0 41	4 25	1 36	20 43	0 55	17 41	0 14	15 33	0 34	20 20	3 11	7 23	7 17	18 37	17 40	5 51	T 8
W 9	10 6	13 31	2 5	1 51	2 10	23 15	1 55	5 5	0 40	4 22	1 36	20 43	0 55	17 42	0 14	15 33	0 34	20 20	3 11	7 23	7 16	18 36	17 40	5 51	W 9
T 10	10 27	16 18	3 14	2 38	2 4	23 29	1 58	5 23	0 40	4 19	1 36	20 42	0 55	17 43	0 14	15 33	0 34	20 20	3 11	7 23	7 15	18 36	17 39	5 52	T 10
F 11	10 48	18 3	4 11	3 27	1 58	23 44	2 1	5 41	0 39	4 17	1 36	20 42	0 55	17 44	0 14	15 33	0 34	20 20	3 11	7 22	7 14	18 36	17 39	5 53	F 11
S 12	11 9	18 36	4 51	4 16	1 52	23 57	2 3	5 59	0 39	4 14	1 35	20 41	0 55	17 45	0 14	15 33	0 34	20 20	3 11	7 22	7 12	18 35	17 38	5 53	S 12
S 13	11 29	17 57	5 13	5 7	1 45	24 10	2 6	6 17	0 38	4 11	1 35	20 41	0 55	17 46	0 14	15 33	0 34	20 20	3 11	7 22	7 11	18 35	17 37	5 54	S 13
M14	11 50	16 10	5 15	5 58	1 38	24 22	2 8	6 35	0 38	4 9	1 35	20 41	0 55	17 47	0 14	15 33	0 34	20 20	3 11	7 22	7 10	18 35	17 37	5 54	M14
T 15	12 10	13 26	4 58	6 49	1 30	24 33	2 10	6 52	0 37	4 6	1 35	20 40	0 55	17 48	0 14	15 33	0 34	20 20	3 11	7 22	7 9	18 34	17 36	5 55	T 15
W16	12 30	9 59	4 24	7 41	1 22	24 44	2 13	7 10	0 37	4 3	1 35	20 40	0 55	17 49	0 14	15 34	0 34	20 20	3 11	7 22	7 8	18 34	17 36	5 55	W16
T 17	12 50	6 3	3 35	8 34	1 13	24 55	2 15	7 27	0 36	4 1	1 35	20 39	0 55	17 49	0 14	15 34	0 34	20 20	3 11	7 22	7 6	18 34	17 35	5 56	T 17
F 18	13 10	1 52	2 36	9 27	1 4	25 4	2 17	7 45	0 36	3 58	1 35	20 39	0 55	17 50	0 14	15 34	0 34	20 20	3 11	7 23	7 5	18 33	17 34	5 57	F 18
S 19	13 29	2n20	1 29	10 20	0 55	25 13	2 19	8 2	0 35	3 56	1 35	20 38	0 55	17 51	0 14	15 34	0 34	20 20	3 11	7 23	7 4	18 33	17 34	5 57	S 19
S 20	13 48	6 21	0 19	11 13	0 45	25 22	2 21	8 19	0 34	3 53	1 34	20 37	0 55	17 52	0 14	15 34	0 34	20 20	3 11	7 23	7 3	18 33	17 33	5 58	S 20
M21	14 7	10 2	0s51	12 7	0 35	25 29	2 23	8 36	0 34	3 51	1 34	20 37	0 55	17 53	0 14	15 34	0 34	20 20	3 11	7 23	7 1	18 32	17 33	5 58	M21
T 22	14 26	13 12	1 57	12 59	0 25	25 36	2 25	8 53	0 33	3 49	1 34	20 36	0 55	17 54	0 14	15 34	0 34	20 20	3 11	7 23	7 0	18 32	17 32	5 59	T 22
W23	14 45	15 43	2 57	13 52	0 15	25 42	2 27	9 10	0 33	3 46	1 34	20 36	0 55	17 55	0 14	15 34	0 34	20 20	3 11	7 22	6 59	18 32	17 32	5 59	W23
T 24	15 3	17 29	3 48	14 44	0 4	25 48	2 28	9 27	0 32	3 44	1 34	20 35	0 55	17 56	0 14	15 34	0 34	20 20	3 11	7 21	6 58	18 31	17 31	6 0	T 24
F 25	15 21	18 28	4 28	15 35	0n 6	25 53	2 30	9 44	0 32	3 42	1 34	20 34	0 55	17 57	0 14	15 34	0 34	20 20	3 11	7 19	6 57	18 31	17 31	6 0	F 25
S 26	15 39	18 36	4 56	16 24	0 17	25 57	2 31	10 1	0 31	3 40	1 33	20 34	0 55	17 58	0 14	15 34	0 34	20 20	3 11	7 18	6 55	18 30	17 30	6 1	S 26
S 27	15 56	17 55	5 11	17 13	0 27	26 1	2 33	10 17	0 30	3 38	1 33	20 33	0 55	17 59	0 14	15 34	0 34	20 20	3 11	7 16	6 54	18 30	17 29	6 1	S 27
M28	16 14	16 28	5 13	18 0	0 38	26 4	2 34	10 33	0 30	3 36	1 33	20 32	0 55	17 59	0 14	15 34	0 34	20 20	3 11	7 15	6 53	18 30	17 29	6 2	M28
T 29	16 31	14 17	5 1	18 45	0 48	26 6	2 35	10 50	0 29	3 34	1 33	20 31	0 55	18 0	0 14	15 34	0 34	20 20	3 11	7 15	6 52	18 29	17 28	6 2	T 29
W30	16n47	11n29	4s36	19n28	0n57	26n 8	2n36	11n 6	0s29	3s32	1n33	20n30	0n55	18n 1	0s14	15n33	0n34	20s20	3n11	7s15	6s51	18n29	17s28	6n 3	W30

Julian Day Number = 2185015.5, Delta T = 11m12s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'48, Lahiri = 13°40'48 Julian Calendar 1 Apr. 1270 == Greg. Calendar 8 Apr. 1270

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

MAY 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 3 50	17♉18'18	29♌ 5	24♉58	0♋33	0♉49	12°R24	2♌49	21♉42	19♌30	1°R36	18♎25	17♎18	3♋47	27°R37	T 1
F 2	15 7 46	18°15'59	11♍41	27° 5	1°38	1°33	12♎19	2°53	21°46	19°31	1♏35	18°26	17°15	3°53	27♐34	F 2
S 3	15 11 43	19°13'38	24°39	29°11	2°44	2°17	12°14	2°56	21°49	19°31	1°34	18°28	17°12	4° 0	27°32	S 3
S 4	15 15 39	20°11'16	8♎ 1	1♊15	3°49	3° 1	12° 9	3° 0	21°53	19°31	1°33	18°29	17° 9	4° 7	27°29	S 4
M 5	15 19 36	21° 8'52	21°50	3°17	4°54	3°45	12° 4	3° 4	21°56	19°32	1°31	18°R29	17° 6	4°13	27°26	M 5
T 6	15 23 32	22° 6'28	6♏ 4	5°17	5°58	4°29	12° 0	3° 8	22° 0	19°32	1°30	18°28	17° 3	4°20	27°23	T 6
W 7	15 27 29	23° 4'01	20°40	7°14	7° 3	5°13	11°55	3°12	22° 3	19°33	1°29	18°26	16°59	4°27	27°21	W 7
T 8	15 31 26	24° 1'34	5♐31	9° 9	8° 7	5°57	11°51	3°16	22° 7	19°33	1°28	18°22	16°56	4°34	27°18	T 8
F 9	15 35 22	24°59'05	20°30	11° 2	9°11	6°41	11°47	3°21	22°10	19°34	1°27	18°17	16°53	4°40	27°15	F 9
S 10	15 39 19	25°56'36	5♑28	12°52	10°14	7°24	11°43	3°25	22°14	19°34	1°26	18°11	16°50	4°47	27°12	S 10
S 11	15 43 15	26°54'06	20°16	14°39	11°18	8° 8	11°39	3°29	22°17	19°35	1°25	18° 6	16°47	4°54	27° 8	S 11
M12	15 47 12	27°51'34	4♒48	16°24	12°21	8°51	11°36	3°34	22°21	19°35	1°24	18° 3	16°43	5° 0	27° 5	M12
T 13	15 51 8	28°49'02	18°59	18° 6	13°24	9°35	11°33	3°38	22°24	19°36	1°22	18° 1	16°40	5° 7	27° 2	T 13
W14	15 55 5	29°46'29	2♓49	19°44	14°26	10°18	11°29	3°43	22°28	19°37	1°21	18°D 1	16°37	5°14	26°59	W14
T 15	15 59 1	0♊43'56	16°16	21°20	15°29	11° 2	11°26	3°48	22°31	19°37	1°20	18° 1	16°34	5°21	26°56	T 15
F 16	16 2 58	1°41'21	29°25	22°53	16°31	11°45	11°23	3°53	22°35	19°38	1°19	18° 3	16°31	5°27	26°52	F 16
S 17	16 6 55	2°38'46	12♈16	24°24	17°32	12°28	11°21	3°57	22°38	19°39	1°17	18°R 4	16°28	5°34	26°49	S 17
S 18	16 10 51	3°36'10	24°53	25°51	18°34	13°12	11°18	4° 2	22°42	19°39	1°16	18° 4	16°24	5°41	26°45	S 18
M19	16 14 48	4°33'34	7♉18	27°15	19°35	13°55	11°16	4° 7	22°45	19°40	1°15	18° 2	16°21	5°48	26°42	M19
T 20	16 18 44	5°30'57	19°34	28°36	20°36	14°38	11°14	4°13	22°49	19°41	1°14	17°58	16°18	5°54	26°38	T 20
W21	16 22 41	6°28'19	1♊41	29°54	21°36	15°21	11°12	4°18	22°52	19°42	1°12	17°52	16°15	6° 1	26°35	W21
T 22	16 26 37	7°25'40	13°42	1♋ 9	22°36	16° 4	11°10	4°23	22°55	19°43	1°11	17°44	16°12	6° 8	26°31	T 22
F 23	16 30 34	8°23'01	25°39	2°21	23°36	16°47	11° 8	4°28	22°59	19°44	1°10	17°34	16° 9	6°14	26°28	F 23
S 24	16 34 30	9°20'20	7♋32	3°30	24°35	17°30	11° 7	4°34	23° 2	19°45	1° 8	17°24	16° 5	6°21	26°24	S 24
S 25	16 38 27	10°17'39	19°23	4°35	25°34	18°13	11° 6	4°39	23° 6	19°46	1° 7	17°15	16° 2	6°28	26°20	S 25
M26	16 42 24	11°14'57	1♌15	5°37	26°33	18°56	11° 5	4°45	23° 9	19°47	1° 5	17° 7	15°59	6°35	26°17	M26
T 27	16 46 20	12°12'14	13°12	6°35	27°31	19°38	11° 4	4°50	23°12	19°48	1° 4	17° 1	15°56	6°41	26°13	T 27
W28	16 50 17	13° 9'31	25°16	7°30	28°29	20°21	11° 3	4°56	23°16	19°49	1° 3	16°57	15°53	6°48	26° 9	W28
T 29	16 54 13	14° 6'46	7♍31	8°22	29°26	21° 4	11° 2	5° 2	23°19	19°50	1° 1	16°56	15°49	6°55	26° 5	T 29
F 30	16 58 10	15° 4'00	20° 3	9° 9	0♌23	21°46	11° 2	5° 7	23°22	19°51	1° 0	16°D56	15°46	7° 1	26° 2	F 30
S 31	17 2 6	16♊ 1'14	2♎57	9♋53	1♌19	22♉29	11°D 2	5♌13	23♉26	19♌52	0♏58	16♎56	15♎43	7♋ 8	25♐58	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 4	8n 7	3s58	20n10	1n 7	26n 9	2n37	11n22	0s28	3s30	1n32	20n30	0n55	18n 2	0s14	15n33	0n34	20s20	3n11	7s15	6s49	18n29	17s27	6n 3
F 2	17 20	4 19	3 8	20 49	1 16	26 9	2 38	11 38	0 27	3 28	1 32	20 29	0 55	18 3	0 14	15 33	0 34	20 20	3 11	7 15	6 48	18 28	17 27	6 4
S 3	17 36	0 12	2 7	21 25	1 24	26 9	2 39	11 54	0 27	3 26	1 32	20 28	0 55	18 4	0 14	15 33	0 34	20 20	3 11	7 16	6 47	18 28	17 26	6 4
S 4	17 52	4s 4	0 57	22 0	1 32	26 8	2 40	12 9	0 26	3 25	1 32	20 27	0 55	18 5	0 14	15 33	0 33	20 21	3 11	7 16	6 46	18 27	17 26	6 5
M 5	18 7	8 15	0n18	22 31	1 40	26 6	2 40	12 25	0 26	3 23	1 31	20 26	0 55	18 6	0 14	15 33	0 33	20 21	3 11	7 16	6 44	18 27	17 25	6 5
T 6	18 22	12 6	1 35	23 0	1 46	26 4	2 41	12 40	0 25	3 22	1 31	20 25	0 55	18 7	0 14	15 33	0 33	20 21	3 11	7 16	6 43	18 27	17 25	6 6
W 7	18 37	15 19	2 46	23 27	1 52	26 1	2 41	12 56	0 24	3 20	1 31	20 24	0 55	18 8	0 14	15 33	0 33	20 21	3 11	7 15	6 42	18 26	17 24	6 6
T 8	18 51	17 34	3 48	23 51	1 57	25 58	2 41	13 11	0 24	3 19	1 31	20 23	0 55	18 9	0 14	15 32	0 33	20 21	3 11	7 13	6 41	18 26	17 24	6 6
F 9	19 5	18 37	4 35	24 12	2 2	25 54	2 41	13 26	0 23	3 17	1 31	20 22	0 55	18 10	0 14	15 32	0 33	20 21	3 11	7 12	6 40	18 25	17 23	6 7
S 10	19 19	18 22	5 3	24 30	2 6	25 49	2 41	13 41	0 23	3 16	1 30	20 21	0 55	18 10	0 14	15 32	0 33	20 21	3 11	7 10	6 38	18 25	17 23	6 7
S 11	19 32	16 53	5 10	24 47	2 9	25 43	2 41	13 56	0 22	3 15	1 30	20 20	0 55	18 11	0 14	15 32	0 33	20 21	3 11	7 8	6 37	18 24	17 22	6 8
M12	19 46	14 19	4 57	25 0	2 11	25 37	2 41	14 10	0 21	3 14	1 30	20 19	0 55	18 12	0 14	15 32	0 33	20 21	3 11	7 6	6 36	18 24	17 22	6 8
T 13	19 58	10 58	4 26	25 12	2 12	25 31	2 40	14 25	0 21	3 13	1 30	20 18	0 55	18 13	0 14	15 32	0 33	20 21	3 10	7 6	6 35	18 24	17 22	6 8
W14	20 11	7 5	3 41	25 21	2 13	25 24	2 40	14 39	0 20	3 12	1 29	20 17	0 55	18 14	0 14	15 31	0 33	20 21	3 10	7 5	6 33	18 23	17 21	6 9
T 15	20 23	2 55	2 44	25 27	2 13	25 16	2 39	14 53	0 19	3 11	1 29	20 16	0 55	18 15	0 14	15 31	0 33	20 21	3 10	7 6	6 32	18 23	17 21	6 9
F 16	20 35	1n17	1 39	25 32	2 12	25 7	2 38	15 7	0 19	3 10	1 29	20 15	0 55	18 16	0 14	15 31	0 33	20 21	3 10	7 6	6 31	18 22	17 20	6 10
S 17	20 46	5 21	0 31	25 35	2 10	24 58	2 37	15 21	0 18	3 9	1 29	20 13	0 55	18 17	0 14	15 31	0 33	20 21	3 10	7 7	6 30	18 22	17 20	6 10
S 18	20 57	9 6	0s37	25 36	2 8	24 49	2 36	15 35	0 18	3 8	1 28	20 12	0 55	18 18	0 14	15 30	0 33	20 21	3 10	7 7	6 29	18 21	17 19	6 10
M19	21 8	12 24	1 42	25 35	2 4	24 39	2 35	15 48	0 17	3 7	1 28	20 11	0 55	18 19	0 14	15 30	0 33	20 21	3 10	7 6	6 27	18 21	17 19	6 11
T 20	21 18	15 6	2 42	25 32	2 0	24 28	2 33	16 2	0 16	3 7	1 28	20 10	0 55	18 19	0 14	15 30	0 33	20 21	3 10	7 4	6 26	18 21	17 19	6 11
W21	21 28	17 6	3 33	25 28	1 56	24 17	2 32	16 15	0 16	3 6	1 27	20 9	0 55	18 20	0 14	15 30	0 33	20 22	3 10	7 2	6 25	18 20	17 18	6 11
T 22	21 38	18 20	4 14	25 22	1 50	24 6	2 30	16 28	0 15	3 6	1 27	20 7	0 55	18 21	0 14	15 29	0 33	20 22	3 10	6 59	6 24	18 20	17 18	6 11
F 23	21 47	18 44	4 44	25 14	1 44	23 54	2 28	16 41	0 14	3 5	1 27	20 6	0 55	18 22	0 14	15 29	0 33	20 22	3 10	6 55	6 22	18 19	17 17	6 12
S 24	21 56	18 18	5 1	25 6	1 37	23 41	2 26	16 54	0 14	3 5	1 27	20 5	0 55	18 23	0 14	15 29	0 33	20 22	3 10	6 52	6 21	18 19	17 17	6 12
S 25	22 5	17 5	5 5	24 56	1 29	23 28	2 24	17 7	0 13	3 5	1 26	20 4	0 55	18 24	0 14	15 28	0 33	20 22	3 10	6 48	6 20	18 18	17 17	6 12
M26	22 13	15 8	4 57	24 45	1 21	23 15	2 22	17 19	0 12	3 5	1 26	20 2	0 55	18 25	0 14	15 28	0 33	20 22	3 10	6 45	6 19	18 18	17 16	6 13
T 27	22 21	12 32	4 35	24 33	1 11	23 1	2 19	17 31	0 12	3 5	1 26	20 1	0 55	18 26	0 14	15 28	0 33	20 22	3 10	6 43	6 17	18 17	17 16	6 13
W28	22 28	9 22	4 0	24 21	1 2	22 46	2 17	17 44	0 11	3 5	1 26	19 59	0 55	18 26	0 14	15 27	0 33	20 22	3 10	6 41	6 16	18 17	17 16	6 13
T 29	22 35	5 46	3 15	24 7	0 51	22 32	2 14	17 55	0 10	3 5	1 25	19 58	0 55	18 27	0 14	15 27	0 33	20 22	3 10	6 41	6 15	18 16	17 15	6 13
F 30	22 41	1 50	2 19	23 53	0 40	22 16	2 11	18 7	0 10	3 5	1 25	19 57	0 55	18 28	0 14	15 27	0 33	20 22	3 9	6 40	6 14	18 16	17 15	6 13
S 31	22n48	2s19	1s14	23n38	0n28	22n 1	2n 7	18n19	0s 9	3s 5	1n25	19n55	0n55	18n29	0s14	15n26	0n33	20s22	3n 9	6s41	6s13	18n15	17s15	6n14

Julian Day Number = 2185045.5, Delta T = 11m11s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'52, Lahiri = 13°40'52 Julian Calendar 1 May 1270 == Greg. Calendar 8 May 1270

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

JUNE 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 6 3	16♊58'27	16♎15	10♋33	2♌15	23♉11	11♎ 2	5♌19	23♉29	19♌54	0°R57	16°R57	15♎40	7♋15	25°R54	S 1
M 2	17 9 59	17°55'39	0♏ 1	11° 9	3°10	23°53	11° 2	5°25	23°32	19°55	0♑55	16♎56	15°37	7°22	25♐50	M 2
T 3	17 13 56	18°52'51	14°16	11°41	4° 5	24°36	11° 2	5°31	23°36	19°56	0°54	16°53	15°34	7°28	25°46	T 3
W 4	17 17 53	19°50'02	28°58	12° 8	4°59	25°18	11° 3	5°37	23°39	19°57	0°53	16°48	15°30	7°35	25°42	W 4
T 5	17 21 49	20°47'13	14♐ 0	12°31	5°53	26° 0	11° 4	5°43	23°42	19°59	0°51	16°41	15°27	7°42	25°38	T 5
F 6	17 25 46	21°44'23	29°15	12°50	6°46	26°42	11° 5	5°50	23°45	20° 0	0°50	16°32	15°24	7°49	25°34	F 6
S 7	17 29 42	22°41'33	14♑31	13° 4	7°39	27°24	11° 6	5°56	23°48	20° 1	0°48	16°23	15°21	7°55	25°31	S 7
S 8	17 33 39	23°38'43	29°37	13°14	8°31	28° 6	11° 7	6° 2	23°52	20° 3	0°47	16°14	15°18	8° 2	25°27	S 8
M 9	17 37 35	24°35'53	14♒25	13°19	9°22	28°48	11° 8	6° 8	23°55	20° 4	0°45	16° 7	15°15	8° 9	25°23	M 9
T 10	17 41 32	25°33'03	28°48	13°R20	10°13	29°30	11°10	6°15	23°58	20° 6	0°44	16° 2	15°11	8°15	25°19	T 10
W11	17 45 28	26°30'12	12♓43	13°15	11° 3	0♊12	11°12	6°21	24° 1	20° 7	0°42	16° 0	15° 8	8°22	25°15	W11
T 12	17 49 25	27°27'22	26°12	13° 7	11°52	0°54	11°14	6°28	24° 4	20° 9	0°41	15°D59	15° 5	8°29	25°11	T 12
F 13	17 53 22	28°24'33	9♈16	12°54	12°41	1°36	11°16	6°34	24° 7	20°10	0°39	15°R59	15° 2	8°36	25° 7	F 13
S 14	17 57 18	29°21'43	21°59	12°37	13°28	2°17	11°18	6°41	24°10	20°12	0°38	15°59	14°59	8°42	25° 3	S 14
S 15	18 1 15	0♋18'54	4♉26	12°15	14°15	2°59	11°21	6°48	24°13	20°13	0°36	15°58	14°55	8°49	24°59	S 15
M16	18 5 11	1°16'05	16°40	11°50	15° 1	3°41	11°23	6°54	24°16	20°15	0°35	15°54	14°52	8°56	24°55	M16
T 17	18 9 8	2°13'16	28°45	11°22	15°47	4°22	11°26	7° 1	24°19	20°16	0°33	15°48	14°49	9° 2	24°52	T 17
W18	18 13 4	3°10'27	10♊44	10°50	16°31	5° 4	11°29	7° 8	24°22	20°18	0°32	15°39	14°46	9° 9	24°48	W18
T 19	18 17 1	4° 7'39	22°39	10°16	17°15	5°45	11°32	7°15	24°25	20°20	0°30	15°28	14°43	9°16	24°44	T 19
F 20	18 20 58	5° 4'50	4♋31	9°40	17°57	6°27	11°35	7°21	24°28	20°21	0°29	15°14	14°40	9°23	24°40	F 20
S 21	18 24 54	6° 2'02	16°23	9° 3	18°39	7° 8	11°39	7°28	24°31	20°23	0°27	15° 1	14°36	9°29	24°36	S 21
S 22	18 28 51	6°59'14	28°16	8°25	19°20	7°49	11°43	7°35	24°33	20°25	0°26	14°47	14°33	9°36	24°33	S 22
M23	18 32 47	7°56'26	10♌10	7°46	19°59	8°30	11°46	7°42	24°36	20°26	0°24	14°36	14°30	9°43	24°29	M23
T 24	18 36 44	8°53'39	22°10	7° 8	20°38	9°11	11°50	7°49	24°39	20°28	0°23	14°26	14°27	9°50	24°25	T 24
W25	18 40 40	9°50'51	4♍16	6°32	21°15	9°52	11°55	7°56	24°42	20°30	0°21	14°20	14°24	9°56	24°21	W25
T 26	18 44 37	10°48'03	16°33	5°57	21°51	10°33	11°59	8° 3	24°44	20°32	0°20	14°16	14°21	10° 3	24°18	T 26
F 27	18 48 33	11°45'16	29° 4	5°24	22°26	11°14	12° 3	8°11	24°47	20°33	0°18	14°15	14°17	10°10	24°14	F 27
S 28	18 52 30	12°42'28	11♎54	4°55	22°59	11°55	12° 8	8°18	24°50	20°35	0°17	14°14	14°14	10°16	24°11	S 28
S 29	18 56 27	13°39'41	25° 7	4°29	23°31	12°36	12°13	8°25	24°52	20°37	0°15	14°14	14°11	10°23	24° 7	S 29
M30	19 0 23	14♋36'54	8♏46	4♋ 7	24♌ 2	13♊17	12♎18	8♌32	24♉55	20♌39	0♑14	14♎13	14♎ 8	10♋30	24♐ 3	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n53	6s28	0s 4	23n22	0n16	21n45	2n 4	18n30	0s 8	3s 5	1n24	19n54	0n55	18n30	0s14	15n26	0n33	20s22	3n 9	6s41	6s11	18n15	17s14	6n14
M 2	22 59	10 26	1n 9	23 6	0 3	21 29	2 1	18 42	0 8	3 6	1 24	19 52	0 55	18 31	0 14	15 25	0 33	20 22	3 9	6 41	6 10	18 14	17 14	6 14
T 3	23 4	13 57	2 20	22 50	0s11	21 12	1 57	18 53	0 7	3 6	1 24	19 51	0 55	18 31	0 14	15 25	0 33	20 23	3 9	6 40	6 9	18 14	17 14	6 14
W 4	23 8	16 41	3 24	22 33	0 25	20 55	1 53	19 4	0 6	3 6	1 24	19 49	0 55	18 32	0 14	15 25	0 33	20 23	3 9	6 38	6 8	18 13	17 13	6 14
T 5	23 13	18 20	4 16	22 17	0 40	20 38	1 49	19 14	0 6	3 7	1 23	19 48	0 55	18 33	0 14	15 24	0 33	20 23	3 9	6 35	6 6	18 13	17 13	6 15
F 6	23 16	18 42	4 49	22 0	0 55	20 20	1 44	19 25	0 5	3 8	1 23	19 46	0 55	18 34	0 14	15 24	0 33	20 23	3 9	6 32	6 5	18 12	17 13	6 15
S 7	23 20	17 43	5 3	21 43	1 10	20 2	1 40	19 35	0 4	3 8	1 23	19 45	0 55	18 35	0 14	15 23	0 33	20 23	3 9	6 28	6 4	18 12	17 13	6 15
S 8	23 23	15 30	4 55	21 27	1 26	19 44	1 35	19 45	0 4	3 9	1 22	19 43	0 55	18 35	0 14	15 23	0 33	20 23	3 9	6 25	6 3	18 11	17 12	6 15
M 9	23 25	12 18	4 27	21 11	1 42	19 26	1 30	19 55	0 3	3 10	1 22	19 42	0 55	18 36	0 14	15 22	0 33	20 23	3 9	6 22	6 1	18 11	17 12	6 15
T 10	23 27	8 27	3 43	20 55	1 58	19 7	1 25	20 5	0 2	3 11	1 22	19 40	0 55	18 37	0 14	15 22	0 33	20 23	3 9	6 20	6 0	18 10	17 12	6 15
W11	23 29	4 14	2 47	20 39	2 14	18 48	1 20	20 15	0 2	3 12	1 22	19 39	0 55	18 38	0 14	15 22	0 33	20 23	3 8	6 19	5 59	18 10	17 12	6 15
T 12	23 30	0n 4	1 43	20 24	2 29	18 29	1 14	20 24	0 1	3 13	1 21	19 37	0 55	18 38	0 14	15 21	0 33	20 23	3 8	6 19	5 58	18 9	17 11	6 15
F 13	23 31	4 14	0 36	20 10	2 45	18 10	1 9	20 33	0 0	3 14	1 21	19 35	0 55	18 39	0 14	15 21	0 33	20 24	3 8	6 19	5 57	18 9	17 11	6 15
S 14	23 32	8 6	0s32	19 56	3 1	17 50	1 3	20 42	0n 0	3 15	1 21	19 34	0 55	18 40	0 14	15 20	0 33	20 24	3 8	6 19	5 55	18 8	17 11	6 15
S 15	23 32	11 32	1 36	19 43	3 15	17 31	0 56	20 51	0 1	3 16	1 21	19 32	0 55	18 41	0 14	15 20	0 33	20 24	3 8	6 18	5 54	18 8	17 11	6 16
M16	23 32	14 24	2 35	19 31	3 30	17 11	0 50	21 0	0 2	3 17	1 20	19 30	0 55	18 41	0 14	15 19	0 33	20 24	3 8	6 17	5 53	18 7	17 11	6 16
T 17	23 31	16 37	3 26	19 20	3 43	16 51	0 43	21 8	0 2	3 19	1 20	19 29	0 55	18 42	0 14	15 19	0 33	20 24	3 8	6 14	5 52	18 7	17 11	6 16
W18	23 30	18 4	4 7	19 10	3 56	16 32	0 37	21 17	0 3	3 20	1 20	19 27	0 55	18 43	0 14	15 18	0 33	20 24	3 8	6 11	5 50	18 6	17 10	6 16
T 19	23 28	18 43	4 37	19 1	4 7	16 12	0 29	21 25	0 4	3 22	1 19	19 25	0 55	18 44	0 14	15 18	0 33	20 24	3 8	6 7	5 49	18 6	17 10	6 16
F 20	23 26	18 33	4 55	18 54	4 18	15 51	0 22	21 32	0 4	3 23	1 19	19 24	0 55	18 44	0 14	15 17	0 33	20 24	3 8	6 1	5 48	18 5	17 10	6 16
S 21	23 24	17 34	5 0	18 47	4 27	15 31	0 15	21 40	0 5	3 25	1 19	19 22	0 55	18 45	0 14	15 16	0 33	20 24	3 7	5 56	5 47	18 5	17 10	6 16
S 22	23 21	15 49	4 52	18 42	4 34	15 11	0 7	21 48	0 6	3 27	1 19	19 20	0 55	18 46	0 14	15 16	0 33	20 25	3 7	5 51	5 45	18 4	17 10	6 16
M23	23 18	13 24	4 31	18 38	4 40	14 51	0s 1	21 55	0 7	3 28	1 18	19 18	0 55	18 46	0 14	15 15	0 33	20 25	3 7	5 46	5 44	18 4	17 10	6 16
T 24	23 14	10 25	3 58	18 36	4 45	14 31	0 10	22 2	0 7	3 30	1 18	19 16	0 55	18 47	0 14	15 15	0 33	20 25	3 7	5 43	5 43	18 3	17 10	6 15
W25	23 10	6 58	3 14	18 35	4 48	14 11	0 18	22 9	0 8	3 32	1 18	19 15	0 55	18 48	0 14	15 14	0 33	20 25	3 7	5 40	5 42	18 2	17 10	6 15
T 26	23 5	3 10	2 21	18 35	4 49	13 51	0 27	22 15	0 9	3 34	1 18	19 13	0 55	18 48	0 14	15 14	0 33	20 25	3 7	5 39	5 41	18 2	17 9	6 15
F 27	23 1	0s50	1 19	18 37	4 49	13 31	0 36	22 22	0 9	3 36	1 17	19 11	0 55	18 49	0 14	15 13	0 33	20 25	3 7	5 38	5 39	18 1	17 9	6 15
S 28	22 55	4 55	0 12	18 40	4 47	13 12	0 45	22 28	0 10	3 38	1 17	19 9	0 56	18 50	0 14	15 12	0 33	20 25	3 7	5 38	5 38	18 1	17 9	6 15
S 29	22 50	8 52	0n57	18 44	4 43	12 52	0 55	22 34	0 11	3 40	1 17	19 7	0 56	18 50	0 14	15 12	0 33	20 25	3 6	5 38	5 37	18 0	17 9	6 15
M30	22n44	12s29	2n 6	18n50	4s38	12n33	1s 5	22n40	0n11	3s42	1n17	19n 6	0n56	18n51	0s14	15n11	0n33	20s26	3n 6	5s38	5s36	18n 0	17s 9	6n15

Julian Day Number = 2185076.5, Delta T = 11m11s
Ecliptic obliquity = 23°31'53, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°33'56, Lahiri = 13°40'57 Julian Calendar 1 June 1270 == Greg. Calendar 8 June 1270

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

JULY 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 4 20	15♋34'07	22♏53	3°R50	24♌32	13♊58	12♎23	8♌39	24♉57	20♌41	0°R12	14°R10	14♎ 5	10♋37	24°R 0	T 1
W 2	19 8 16	16°31'21	7♐28	3♋37	24°59	14°38	12°28	8°47	25° 0	20°43	0♑11	14♎ 4	14° 1	10°43	23♐56	W 2
T 3	19 12 13	17°28'35	22°27	3°30	25°26	15°19	12°33	8°54	25° 2	20°45	0° 9	13°56	13°58	10°50	23°53	T 3
F 4	19 16 9	18°25'49	7♑41	3°D28	25°50	15°59	12°39	9° 1	25° 5	20°47	0° 8	13°46	13°55	10°57	23°50	F 4
S 5	19 20 6	19°23'04	23° 1	3°32	26°13	16°40	12°45	9° 9	25° 7	20°49	0° 7	13°35	13°52	11° 4	23°46	S 5
S 6	19 24 2	20°20'19	8♒15	3°42	26°34	17°20	12°50	9°16	25° 9	20°51	0° 5	13°25	13°49	11°10	23°43	S 6
M 7	19 27 59	21°17'36	23°12	3°57	26°54	18° 1	12°56	9°23	25°12	20°53	0° 4	13°17	13°46	11°17	23°40	M 7
T 8	19 31 56	22°14'53	7♓44	4°19	27°11	18°41	13° 2	9°31	25°14	20°55	0° 2	13°11	13°42	11°24	23°37	T 8
W 9	19 35 52	23°12'11	21°48	4°46	27°27	19°21	13° 9	9°38	25°16	20°57	0° 1	13° 7	13°39	11°30	23°34	W 9
T 10	19 39 49	24° 9'30	5♈23	5°20	27°40	20° 1	13°15	9°46	25°18	20°59	29♐59	13° 6	13°36	11°37	23°31	T 10
F 11	19 43 45	25° 6'50	18°30	5°59	27°52	20°42	13°22	9°53	25°20	21° 1	29°58	13° 6	13°33	11°44	23°28	F 11
S 12	19 47 42	26° 4'11	1♉13	6°45	28° 2	21°22	13°28	10° 1	25°22	21° 3	29°57	13° 6	13°30	11°51	23°25	S 12
S 13	19 51 38	27° 1'33	13°38	7°36	28° 9	22° 2	13°35	10° 8	25°25	21° 5	29°56	13° 5	13°26	11°57	23°22	S 13
M14	19 55 35	27°58'57	25°48	8°33	28°14	22°42	13°42	10°16	25°27	21° 7	29°54	13° 2	13°23	12° 4	23°19	M14
T 15	19 59 31	28°56'21	7♊48	9°36	28°17	23°22	13°49	10°23	25°29	21° 9	29°53	12°56	13°20	12°11	23°16	T 15
W16	20 3 28	29°53'47	19°43	10°44	28°R18	24° 1	13°56	10°31	25°31	21°11	29°52	12°48	13°17	12°18	23°13	W16
T 17	20 7 25	0♌51'14	1♋34	11°58	28°17	24°41	14° 4	10°39	25°32	21°13	29°51	12°38	13°14	12°24	23°11	T 17
F 18	20 11 21	1°48'43	13°26	13°17	28°13	25°21	14°11	10°46	25°34	21°15	29°49	12°25	13°11	12°31	23° 8	F 18
S 19	20 15 18	2°46'12	25°19	14°41	28° 7	26° 1	14°19	10°54	25°36	21°17	29°48	12°13	13° 7	12°38	23° 6	S 19
S 20	20 19 14	3°43'42	7♌16	16°10	27°58	26°40	14°26	11° 1	25°38	21°19	29°47	12° 0	13° 4	12°44	23° 3	S 20
M21	20 23 11	4°41'14	19°17	17°44	27°47	27°20	14°34	11° 9	25°40	21°22	29°46	11°49	13° 1	12°51	23° 1	M21
T 22	20 27 7	5°38'46	1♍24	19°21	27°34	27°59	14°42	11°17	25°41	21°24	29°45	11°41	12°58	12°58	22°58	T 22
W23	20 31 4	6°36'19	13°39	21° 3	27°18	28°39	14°50	11°24	25°43	21°26	29°44	11°35	12°55	13° 5	22°56	W23
T 24	20 35 0	7°33'54	26° 4	22°48	27° 0	29°18	14°58	11°32	25°45	21°28	29°42	11°31	12°52	13°11	22°54	T 24
F 25	20 38 57	8°31'29	8♎42	24°37	26°40	29°57	15° 7	11°40	25°46	21°30	29°41	11°D30	12°48	13°18	22°52	F 25
S 26	20 42 54	9°29'06	21°35	26°28	26°18	0♋37	15°15	11°47	25°48	21°32	29°40	11°30	12°45	13°25	22°50	S 26
S 27	20 46 50	10°26'43	4♏47	28°22	25°53	1°16	15°24	11°55	25°49	21°35	29°39	11°R31	12°42	13°31	22°48	S 27
M28	20 50 47	11°24'22	18°21	0♌18	25°26	1°55	15°32	12° 3	25°51	21°37	29°38	11°31	12°39	13°38	22°46	M28
T 29	20 54 43	12°22'01	2♐18	2°16	24°58	2°34	15°41	12°10	25°52	21°39	29°37	11°29	12°36	13°45	22°44	T 29
W30	20 58 40	13°19'42	16°40	4°15	24°28	3°13	15°50	12°18	25°53	21°41	29°36	11°25	12°32	13°52	22°42	W30
T 31	21 2 36	14♌17'23	1♑24	6♌15	23♌56	3♋52	15♎59	12♌26	25♉54	21♌43	29♐35	11♎20	12♎29	13♋58	22♐40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n37	15s31	3n 9	18n57	4s31	12n13	1s15	22n46	0n12	3s44	1n16	19n 4	0n56	18n51	0s14	15n11	0n33	20s26	3n 6	5s36	5s34	17n59	17s 9	6n15
W 2	22 30	17 40	4 2	19 5	4 24	11 54	1 25	22 51	0 13	3 47	1 16	19 2	0 56	18 52	0 14	15 10	0 33	20 26	3 6	5 34	5 33	17 59	17 9	6 15
T 3	22 23	18 39	4 40	19 15	4 15	11 36	1 36	22 57	0 13	3 49	1 16	19 0	0 56	18 53	0 14	15 9	0 33	20 26	3 6	5 31	5 32	17 58	17 9	6 15
F 4	22 15	18 20	4 59	19 25	4 4	11 17	1 46	23 2	0 14	3 51	1 16	18 58	0 56	18 53	0 14	15 9	0 33	20 26	3 6	5 27	5 31	17 57	17 9	6 14
S 5	22 7	16 41	4 56	19 36	3 53	10 59	1 57	23 6	0 15	3 54	1 15	18 56	0 56	18 54	0 14	15 8	0 33	20 26	3 6	5 23	5 29	17 57	17 9	6 14
S 6	21 59	13 53	4 33	19 48	3 41	10 41	2 9	23 11	0 16	3 56	1 15	18 54	0 56	18 54	0 14	15 8	0 33	20 26	3 6	5 19	5 28	17 56	17 9	6 14
M 7	21 50	10 12	3 51	20 0	3 28	10 24	2 20	23 16	0 16	3 59	1 15	18 52	0 56	18 55	0 14	15 7	0 33	20 26	3 5	5 16	5 27	17 56	17 9	6 14
T 8	21 41	5 59	2 55	20 13	3 15	10 7	2 32	23 20	0 17	4 1	1 15	18 50	0 56	18 56	0 14	15 6	0 33	20 27	3 5	5 13	5 26	17 55	17 9	6 14
W 9	21 32	1 35	1 50	20 26	3 1	9 50	2 44	23 24	0 18	4 4	1 14	18 48	0 56	18 56	0 14	15 6	0 33	20 27	3 5	5 12	5 24	17 54	17 9	6 14
T 10	21 22	2n46	0 41	20 39	2 47	9 34	2 56	23 28	0 18	4 7	1 14	18 46	0 56	18 57	0 14	15 5	0 33	20 27	3 5	5 12	5 23	17 54	17 9	6 13
F 11	21 12	6 50	0s29	20 52	2 32	9 18	3 9	23 31	0 19	4 10	1 14	18 44	0 56	18 57	0 14	15 4	0 33	20 27	3 5	5 12	5 22	17 53	17 9	6 13
S 12	21 1	10 28	1 34	21 5	2 17	9 3	3 21	23 35	0 20	4 12	1 14	18 42	0 56	18 58	0 14	15 4	0 33	20 27	3 5	5 12	5 21	17 53	17 10	6 13
S 13	20 50	13 32	2 34	21 17	2 2	8 49	3 34	23 38	0 21	4 15	1 13	18 40	0 56	18 58	0 14	15 3	0 33	20 27	3 5	5 11	5 20	17 52	17 10	6 13
M14	20 39	15 57	3 26	21 29	1 46	8 35	3 47	23 41	0 21	4 18	1 13	18 38	0 56	18 59	0 14	15 2	0 33	20 27	3 4	5 10	5 18	17 51	17 10	6 12
T 15	20 27	17 38	4 7	21 40	1 31	8 21	4 0	23 44	0 22	4 21	1 13	18 36	0 56	18 59	0 14	15 2	0 33	20 28	3 4	5 8	5 17	17 51	17 10	6 12
W16	20 15	18 31	4 38	21 50	1 16	8 9	4 14	23 46	0 23	4 24	1 13	18 34	0 56	19 0	0 14	15 1	0 33	20 28	3 4	5 5	5 16	17 50	17 10	6 12
T 17	20 3	18 35	4 56	21 58	1 1	7 57	4 27	23 49	0 23	4 27	1 12	18 32	0 57	19 0	0 14	15 0	0 33	20 28	3 4	5 0	5 15	17 50	17 10	6 12
F 18	19 50	17 51	5 1	22 6	0 47	7 45	4 40	23 51	0 24	4 30	1 12	18 30	0 57	19 0	0 14	15 0	0 33	20 28	3 4	4 56	5 13	17 49	17 10	6 11
S 19	19 37	16 20	4 54	22 11	0 32	7 35	4 54	23 53	0 25	4 34	1 12	18 28	0 57	19 1	0 14	14 59	0 33	20 28	3 4	4 51	5 12	17 48	17 10	6 11
S 20	19 24	14 7	4 33	22 15	0 18	7 25	5 7	23 55	0 25	4 37	1 12	18 26	0 57	19 1	0 14	14 58	0 33	20 28	3 3	4 46	5 11	17 48	17 10	6 11
M21	19 10	11 17	4 0	22 16	0 5	7 16	5 20	23 56	0 26	4 40	1 11	18 24	0 57	19 2	0 14	14 58	0 33	20 29	3 3	4 42	5 10	17 47	17 11	6 11
T 22	18 56	7 58	3 16	22 16	0n 8	7 8	5 34	23 58	0 27	4 43	1 11	18 22	0 57	19 2	0 14	14 57	0 33	20 29	3 3	4 38	5 8	17 47	17 11	6 10
W23	18 42	4 15	2 23	22 12	0 20	7 1	5 47	23 59	0 28	4 47	1 11	18 20	0 57	19 2	0 14	14 56	0 33	20 29	3 3	4 36	5 7	17 46	17 11	6 10
T 24	18 27	0 19	1 21	22 7	0 32	6 55	6 0	24 0	0 28	4 50	1 11	18 18	0 57	19 3	0 14	14 56	0 33	20 29	3 3	4 34	5 6	17 45	17 11	6 10
F 25	18 12	3s41	0 15	21 59	0 42	6 50	6 12	24 1	0 29	4 53	1 11	18 16	0 57	19 3	0 14	14 55	0 33	20 29	3 3	4 34	5 5	17 45	17 11	6 9
S 26	17 57	7 37	0n54	21 48	0 52	6 46	6 25	24 2	0 30	4 57	1 10	18 14	0 57	19 4	0 14	14 54	0 33	20 29	3 3	4 34	5 3	17 44	17 12	6 9
S 27	17 41	11 16	2 1	21 34	1 1	6 43	6 37	24 2	0 31	5 0	1 10	18 12	0 57	19 4	0 14	14 54	0 33	20 30	3 2	4 34	5 2	17 43	17 12	6 9
M28	17 26	14 25	3 4	21 18	1 10	6 40	6 48	24 2	0 31	5 4	1 10	18 10	0 57	19 4	0 14	14 53	0 33	20 30	3 2	4 34	5 1	17 43	17 12	6 8
T 29	17 9	16 50	3 57	20 59	1 17	6 39	7 0	24 2	0 32	5 7	1 10	18 8	0 57	19 5	0 14	14 52	0 33	20 30	3 2	4 34	5 0	17 42	17 12	6 8
W30	16 53	18 15	4 38	20 37	1 24	6 39	7 10	24 2	0 33	5 11	1 10	18 6	0 57	19 5	0 14	14 51	0 33	20 30	3 2	4 32	4 58	17 41	17 13	6 8
T 31	16n36	18s31	5n 1	20n13	1n29	6n40	7s20	24n 2	0n33	5s15	1n 9	18n 4	0n58	19n 5	0s14	14n51	0n33	20s30	3n 2	4s30	4s57	17n41	17s13	6n 7

Julian Day Number = 2185106.5, Delta T = 11m11s
Ecliptic obliquity = 23°31'53, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'00, Lahiri = 13°41'01 Julian Calendar 1 July 1270 == Greg. Calendar 8 July 1270

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

AUGUST 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 6 33	15♌15'06	16♑23	8♌16	23°R23	4♋31	16♎ 8	12♌33	25♉56	21♌46	29°R34	11°R12	12♎26	14♋ 5	22°R39	F 1
S 2	21 10 29	16°12'50	1♒30	10°17	22♌48	5°10	16°17	12°41	25°57	21°48	29♐33	11♎ 4	12°23	14°12	22♐37	S 2
S 3	21 14 26	17°10'36	16°36	12°18	22°13	5°49	16°27	12°48	25°58	21°50	29°32	10°56	12°20	14°19	22°36	S 3
M 4	21 18 23	18° 8'23	1♓29	14°19	21°36	6°27	16°36	12°56	25°59	21°52	29°32	10°49	12°17	14°25	22°34	M 4
T 5	21 22 19	19° 6'11	16° 1	16°19	20°59	7° 6	16°45	13° 4	26° 0	21°54	29°31	10°45	12°13	14°32	22°33	T 5
W 6	21 26 16	20° 4'01	0♈ 9	18°19	20°22	7°44	16°55	13°11	26° 1	21°57	29°30	10°43	12°10	14°39	22°32	W 6
T 7	21 30 12	21° 1'53	13°48	20°18	19°45	8°23	17° 5	13°19	26° 2	21°59	29°29	10°D42	12° 7	14°45	22°31	T 7
F 8	21 34 9	21°59'46	27° 0	22°16	19° 8	9° 1	17°15	13°27	26° 3	22° 1	29°28	10°43	12° 4	14°52	22°30	F 8
S 9	21 38 5	22°57'42	9♉48	24°14	18°31	9°40	17°24	13°34	26° 4	22° 3	29°28	10°44	12° 1	14°59	22°29	S 9
S 10	21 42 2	23°55'39	22°15	26°10	17°55	10°18	17°34	13°42	26° 5	22° 6	29°27	10°R45	11°58	15° 6	22°28	S 10
M11	21 45 58	24°53'38	4♊27	28° 5	17°20	10°56	17°44	13°49	26° 5	22° 8	29°26	10°44	11°54	15°12	22°27	M11
T 12	21 49 55	25°51'39	16°27	29°59	16°46	11°35	17°55	13°57	26° 6	22°10	29°25	10°42	11°51	15°19	22°26	T 12
W13	21 53 51	26°49'42	28°21	1♍52	16°13	12°13	18° 5	14° 4	26° 7	22°12	29°25	10°38	11°48	15°26	22°26	W13
T 14	21 57 48	27°47'47	10♋13	3°43	15°42	12°51	18°15	14°12	26° 7	22°15	29°24	10°32	11°45	15°32	22°25	T 14
F 15	22 1 45	28°45'54	22° 5	5°34	15°12	13°29	18°26	14°20	26° 8	22°17	29°24	10°25	11°42	15°39	22°25	F 15
S 16	22 5 41	29°44'03	4♌ 2	7°23	14°44	14° 7	18°36	14°27	26° 8	22°19	29°23	10°17	11°38	15°46	22°24	S 16
S 17	22 9 38	0♍42'13	16° 5	9°11	14°18	14°45	18°47	14°35	26° 9	22°21	29°22	10°10	11°35	15°53	22°24	S 17
M18	22 13 34	1°40'26	28°16	10°57	13°55	15°23	18°57	14°42	26° 9	22°23	29°22	10° 3	11°32	15°59	22°24	M18
T 19	22 17 31	2°38'40	10♍35	12°43	13°33	16° 0	19° 8	14°49	26° 9	22°26	29°21	9°58	11°29	16° 6	22°23	T 19
W20	22 21 27	3°36'56	23° 5	14°27	13°13	16°38	19°19	14°57	26°10	22°28	29°21	9°55	11°26	16°13	22°D23	W20
T 21	22 25 24	4°35'13	5♎46	16°10	12°56	17°16	19°30	15° 4	26°10	22°30	29°21	9°D54	11°23	16°20	22°23	T 21
F 22	22 29 20	5°33'33	18°38	17°52	12°41	17°53	19°41	15°12	26°10	22°32	29°20	9°54	11°19	16°26	22°24	F 22
S 23	22 33 17	6°31'54	1♏44	19°33	12°29	18°31	19°52	15°19	26°10	22°34	29°20	9°55	11°16	16°33	22°24	S 23
S 24	22 37 14	7°30'16	15° 5	21°13	12°19	19° 8	20° 3	15°26	26°10	22°36	29°19	9°57	11°13	16°40	22°24	S 24
M25	22 41 10	8°28'41	28°42	22°51	12°11	19°46	20°15	15°33	26°R10	22°39	29°19	9°58	11°10	16°46	22°24	M25
T 26	22 45 7	9°27'06	12♐36	24°29	12° 6	20°23	20°26	15°41	26°10	22°41	29°19	9°R59	11° 7	16°53	22°25	T 26
W27	22 49 3	10°25'34	26°47	26° 5	12° 3	21° 0	20°37	15°48	26°10	22°43	29°19	9°58	11° 4	17° 0	22°25	W27
T 28	22 53 0	11°24'03	11♑12	27°40	12°D 3	21°37	20°49	15°55	26°10	22°45	29°18	9°55	11° 0	17° 7	22°26	T 28
F 29	22 56 56	12°22'34	25°49	29°15	12° 4	22°14	21° 0	16° 2	26°10	22°47	29°18	9°52	10°57	17°13	22°27	F 29
S 30	23 0 53	13°21'06	10♒33	0♎48	12° 8	22°51	21°12	16° 9	26°10	22°49	29°18	9°48	10°54	17°20	22°28	S 30
S 31	23 4 49	14♍19'41	25♒15	2♎20	12♌15	23♋28	21♎23	16♌16	26♉ 9	22♌51	29♐18	9♎45	10♎51	17♋27	22♐28	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n19	17s29	5n 4	19n47	1n34	6n41	7s30	24n 1	0n34	5s18	1n 9	18n 1	0n58	19n 5	0s14	14n50	0n33	20s30	3n 2	4s27	4s56	17n40	17s13	6n 7
S 2	16 2	15 15	4 46	19 18	1 38	6 44	7 39	24 1	0 35	5 22	1 9	17 59	0 58	19 6	0 14	14 49	0 33	20 31	3 1	4 24	4 55	17 39	17 13	6 7
S 3	15 45	11 58	4 9	18 48	1 41	6 48	7 47	24 0	0 36	5 26	1 9	17 57	0 58	19 6	0 14	14 49	0 33	20 31	3 1	4 21	4 53	17 39	17 14	6 6
M 4	15 27	7 58	3 15	18 15	1 44	6 52	7 54	23 59	0 36	5 30	1 9	17 55	0 58	19 6	0 14	14 48	0 33	20 31	3 1	4 18	4 52	17 38	17 14	6 6
T 5	15 9	3 33	2 9	17 41	1 45	6 57	8 0	23 57	0 37	5 33	1 8	17 53	0 58	19 7	0 14	14 47	0 33	20 31	3 1	4 16	4 51	17 37	17 14	6 6
W 6	14 51	0n55	0 57	17 5	1 46	7 4	8 6	23 56	0 38	5 37	1 8	17 51	0 58	19 7	0 14	14 46	0 33	20 31	3 1	4 15	4 50	17 37	17 15	6 5
T 7	14 33	5 13	0s17	16 27	1 46	7 10	8 11	23 54	0 39	5 41	1 8	17 49	0 58	19 7	0 14	14 46	0 33	20 31	3 0	4 15	4 48	17 36	17 15	6 5
F 8	14 14	9 6	1 27	15 49	1 46	7 18	8 15	23 53	0 39	5 45	1 8	17 47	0 58	19 7	0 14	14 45	0 33	20 32	3 0	4 15	4 47	17 35	17 15	6 4
S 9	13 55	12 26	2 30	15 9	1 45	7 26	8 18	23 51	0 40	5 49	1 8	17 45	0 58	19 7	0 14	14 44	0 33	20 32	3 0	4 16	4 46	17 35	17 16	6 4
S 10	13 36	15 6	3 25	14 28	1 43	7 35	8 20	23 48	0 41	5 53	1 7	17 43	0 58	19 8	0 14	14 44	0 33	20 32	3 0	4 16	4 45	17 34	17 16	6 4
M11	13 16	17 2	4 9	13 46	1 41	7 44	8 21	23 46	0 41	5 57	1 7	17 40	0 59	19 8	0 14	14 43	0 33	20 32	3 0	4 16	4 43	17 33	17 16	6 3
T 12	12 57	18 10	4 42	13 3	1 38	7 54	8 21	23 44	0 42	6 1	1 7	17 38	0 59	19 8	0 14	14 42	0 33	20 32	3 0	4 15	4 42	17 33	17 17	6 3
W13	12 37	18 30	5 2	12 20	1 35	8 4	8 21	23 41	0 43	6 5	1 7	17 36	0 59	19 8	0 14	14 41	0 33	20 32	2 59	4 13	4 41	17 32	17 17	6 2
T 14	12 17	18 0	5 9	11 36	1 31	8 14	8 19	23 38	0 44	6 9	1 7	17 34	0 59	19 8	0 14	14 41	0 33	20 33	2 59	4 11	4 40	17 31	17 17	6 2
F 15	11 57	16 44	5 2	10 52	1 27	8 25	8 17	23 35	0 44	6 13	1 7	17 32	0 59	19 8	0 14	14 40	0 33	20 33	2 59	4 8	4 38	17 31	17 18	6 2
S 16	11 37	14 44	4 43	10 7	1 23	8 36	8 14	23 32	0 45	6 18	1 6	17 30	0 59	19 8	0 14	14 39	0 34	20 33	2 59	4 5	4 37	17 30	17 18	6 1
S 17	11 16	12 5	4 11	9 22	1 18	8 46	8 10	23 28	0 46	6 22	1 6	17 28	0 59	19 8	0 14	14 39	0 34	20 33	2 59	4 2	4 36	17 29	17 19	6 1
M18	10 55	8 53	3 27	8 36	1 13	8 57	8 6	23 25	0 47	6 26	1 6	17 26	0 59	19 9	0 14	14 38	0 34	20 33	2 58	4 0	4 35	17 29	17 19	6 0
T 19	10 34	5 16	2 33	7 51	1 7	9 8	8 1	23 21	0 47	6 30	1 6	17 24	0 59	19 9	0 14	14 37	0 34	20 34	2 58	3 58	4 34	17 28	17 19	6 0
W20	10 13	1 22	1 30	7 5	1 2	9 19	7 55	23 17	0 48	6 35	1 6	17 22	0 59	19 9	0 14	14 36	0 34	20 34	2 58	3 57	4 32	17 27	17 20	6 0
T 21	9 52	2s39	0 23	6 20	0 56	9 30	7 49	23 13	0 49	6 39	1 6	17 20	1 0	19 9	0 14	14 36	0 34	20 34	2 58	3 56	4 31	17 26	17 20	5 59
F 22	9 31	6 36	0n48	5 34	0 50	9 40	7 42	23 9	0 50	6 43	1 5	17 17	1 0	19 9	0 14	14 35	0 34	20 34	2 58	3 56	4 30	17 26	17 21	5 59
S 23	9 9	10 18	1 57	4 49	0 43	9 51	7 34	23 5	0 50	6 47	1 5	17 15	1 0	19 9	0 14	14 34	0 34	20 34	2 58	3 57	4 29	17 25	17 21	5 58
S 24	8 47	13 33	3 0	4 3	0 36	10 1	7 27	23 0	0 51	6 52	1 5	17 13	1 0	19 9	0 14	14 34	0 34	20 34	2 57	3 57	4 27	17 24	17 21	5 58
M25	8 25	16 7	3 56	3 18	0 30	10 11	7 19	22 56	0 52	6 56	1 5	17 11	1 0	19 9	0 14	14 33	0 34	20 35	2 57	3 58	4 26	17 24	17 22	5 57
T 26	8 3	17 48	4 38	2 33	0 23	10 20	7 10	22 51	0 53	7 1	1 5	17 9	1 0	19 9	0 14	14 32	0 34	20 35	2 57	3 58	4 25	17 23	17 22	5 57
W27	7 41	18 25	5 5	1 48	0 16	10 30	7 2	22 46	0 53	7 5	1 5	17 7	1 0	19 9	0 14	14 32	0 34	20 35	2 57	3 58	4 24	17 22	17 23	5 57
T 28	7 19	17 51	5 13	1 3	0 9	10 38	6 53	22 41	0 54	7 9	1 5	17 5	1 0	19 9	0 14	14 31	0 34	20 35	2 57	3 57	4 22	17 21	17 23	5 56
F 29	6 57	16 8	5 1	0 19	0 1	10 47	6 43	22 35	0 55	7 14	1 4	17 3	1 0	19 9	0 14	14 30	0 34	20 35	2 56	3 55	4 21	17 21	17 24	5 56
S 30	6 34	13 20	4 30	0s25	0s 6	10 55	6 34	22 30	0 56	7 18	1 4	17 1	1 1	19 9	0 14	14 30	0 34	20 36	2 56	3 54	4 20	17 20	17 24	5 55
S 31	6n11	9s42	3n40	1s 8	0s14	11n 2	6s24	22n25	0n56	7s23	1n 4	16n59	1n 1	19n 9	0s14	14n29	0n34	20s36	2n56	3s53	4s19	17n19	17s25	5n55

Julian Day Number = 2185137.5, Delta T = 11m11s
Ecliptic obliquity = 23°31'53, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'05, Lahiri = 13°41'05 Julian Calendar 1 Aug. 1270 == Greg. Calendar 8 Aug. 1270

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

SEPTEMBER 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 8 46	15♍18'17	9♓49	3♎51	12♌23	24♋ 5	21♎35	16♌24	26°R 9	22♌54	29°R18	9°R42	10♎48	17♋34	22♐29	M 1
T 2	23 12 43	16°16'55	24° 9	5°21	12°34	24°42	21°47	16°31	26♉ 9	22°56	29♐18	9♎40	10°44	17°40	22°30	T 2
W 3	23 16 39	17°15'35	8♈ 9	6°50	12°47	25°19	21°59	16°38	26° 8	22°58	29°18	9°D39	10°41	17°47	22°32	W 3
T 4	23 20 36	18°14'17	21°46	8°18	13° 2	25°55	22°10	16°44	26° 8	23° 0	29°D18	9°40	10°38	17°54	22°33	T 4
F 5	23 24 32	19°13'01	4♉59	9°45	13°19	26°32	22°22	16°51	26° 7	23° 2	29°18	9°41	10°35	18° 0	22°34	F 5
S 6	23 28 29	20°11'48	17°50	11°11	13°38	27° 9	22°34	16°58	26° 7	23° 4	29°18	9°42	10°32	18° 7	22°36	S 6
S 7	23 32 25	21°10'36	0♊21	12°36	13°59	27°45	22°46	17° 5	26° 6	23° 6	29°18	9°44	10°29	18°14	22°37	S 7
M 8	23 36 22	22° 9'28	12°35	13°59	14°21	28°21	22°58	17°12	26° 5	23° 8	29°18	9°45	10°25	18°21	22°39	M 8
T 9	23 40 18	23° 8'21	24°38	15°22	14°46	28°58	23°11	17°18	26° 5	23°10	29°18	9°R45	10°22	18°27	22°40	T 9
W10	23 44 15	24° 7'17	6♋33	16°43	15°12	29°34	23°23	17°25	26° 4	23°12	29°18	9°45	10°19	18°34	22°42	W10
T 11	23 48 12	25° 6'15	18°25	18° 3	15°40	0♌10	23°35	17°32	26° 3	23°14	29°19	9°43	10°16	18°41	22°44	T 11
F 12	23 52 8	26° 5'16	0♌19	19°22	16° 9	0°46	23°47	17°38	26° 2	23°16	29°19	9°42	10°13	18°47	22°46	F 12
S 13	23 56 5	27° 4'18	12°19	20°39	16°40	1°22	24° 0	17°45	26° 1	23°18	29°19	9°40	10° 9	18°54	22°48	S 13
S 14	0 0 1	28° 3'23	24°28	21°55	17°12	1°58	24°12	17°51	26° 0	23°20	29°19	9°38	10° 6	19° 1	22°50	S 14
M15	0 3 58	29° 2'30	6♍48	23°10	17°46	2°34	24°25	17°58	25°59	23°22	29°20	9°37	10° 3	19° 8	22°52	M15
T 16	0 7 54	0♎ 1'40	19°21	24°23	18°21	3° 9	24°37	18° 4	25°58	23°23	29°20	9°35	10° 0	19°14	22°54	T 16
W17	0 11 51	1° 0'51	2♎ 9	25°35	18°58	3°45	24°50	18°11	25°57	23°25	29°20	9°35	9°57	19°21	22°56	W17
T 18	0 15 47	2° 0'05	15°10	26°44	19°35	4°21	25° 2	18°17	25°56	23°27	29°21	9°D35	9°54	19°28	22°59	T 18
F 19	0 19 44	2°59'20	28°26	27°52	20°14	4°56	25°15	18°23	25°55	23°29	29°21	9°35	9°50	19°34	23° 1	F 19
S 20	0 23 40	3°58'38	11♏55	28°58	20°54	5°32	25°27	18°29	25°53	23°31	29°22	9°36	9°47	19°41	23° 4	S 20
S 21	0 27 37	4°57'57	25°36	0♏ 2	21°35	6° 7	25°40	18°35	25°52	23°32	29°22	9°36	9°44	19°48	23° 6	S 21
M22	0 31 34	5°57'18	9♐28	1° 3	22°18	6°42	25°53	18°41	25°51	23°34	29°23	9°37	9°41	19°55	23° 9	M22
T 23	0 35 30	6°56'42	23°29	2° 1	23° 1	7°17	26° 6	18°47	25°49	23°36	29°23	9°37	9°38	20° 1	23°12	T 23
W24	0 39 27	7°56'07	7♑37	2°57	23°45	7°52	26°18	18°53	25°48	23°38	29°24	9°R37	9°35	20° 8	23°14	W24
T 25	0 43 23	8°55'33	21°51	3°49	24°31	8°27	26°31	18°59	25°47	23°39	29°25	9°37	9°31	20°15	23°17	T 25
F 26	0 47 20	9°55'02	6♒ 8	4°38	25°17	9° 2	26°44	19° 5	25°45	23°41	29°25	9°D37	9°28	20°22	23°20	F 26
S 27	0 51 16	10°54'32	20°25	5°24	26° 4	9°37	26°57	19°10	25°44	23°43	29°26	9°37	9°25	20°28	23°23	S 27
S 28	0 55 13	11°54'04	4♓39	6° 5	26°52	10°11	27°10	19°16	25°42	23°44	29°27	9°37	9°22	20°35	23°27	S 28
M29	0 59 9	12°53'38	18°45	6°41	27°41	10°46	27°23	19°22	25°40	23°46	29°27	9°37	9°19	20°42	23°30	M29
T 30	1 3 6	13♎53'14	2♈40	7♏13	28♌31	11♌20	27♎36	19♌27	25♉39	23♌48	29♐28	9°R38	9♎15	20♋48	23♐33	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n49	5s30	2n37	1s52	0s21	11n 9	6s14	22n19	0n57	7s27	1n 4	16n57	1n 1	19n 9	0s14	14n28	0n34	20s36	2n56	3s51	4s17	17n18	17s25	5n54
T 2	5 26	1 3	1 24	2 35	0 29	11 16	6 5	22 13	0 58	7 32	1 4	16 55	1 1	19 8	0 14	14 28	0 34	20 36	2 56	3 51	4 16	17 18	17 26	5 54
W 3	5 3	3n22	0 8	3 17	0 36	11 22	5 55	22 7	0 59	7 36	1 4	16 53	1 1	19 8	0 14	14 27	0 34	20 36	2 55	3 50	4 15	17 17	17 26	5 54
T 4	4 40	7 29	1s 6	3 59	0 44	11 27	5 45	22 1	1 0	7 41	1 4	16 51	1 1	19 8	0 14	14 26	0 34	20 37	2 55	3 51	4 14	17 16	17 27	5 53
F 5	4 17	11 7	2 15	4 40	0 52	11 32	5 35	21 55	1 0	7 46	1 3	16 49	1 1	19 8	0 14	14 26	0 34	20 37	2 55	3 51	4 12	17 15	17 27	5 53
S 6	3 54	14 5	3 15	5 21	0 59	11 37	5 24	21 49	1 1	7 50	1 3	16 47	1 2	19 8	0 14	14 25	0 34	20 37	2 55	3 52	4 11	17 15	17 28	5 52
S 7	3 31	16 19	4 4	6 1	1 7	11 41	5 14	21 42	1 2	7 55	1 3	16 45	1 2	19 8	0 14	14 24	0 34	20 37	2 55	3 52	4 10	17 14	17 28	5 52
M 8	3 7	17 45	4 41	6 41	1 15	11 44	5 4	21 36	1 3	7 59	1 3	16 43	1 2	19 8	0 14	14 24	0 34	20 37	2 55	3 53	4 9	17 13	17 29	5 51
T 9	2 44	18 21	5 5	7 20	1 22	11 47	4 54	21 29	1 3	8 4	1 3	16 41	1 2	19 7	0 14	14 23	0 34	20 37	2 54	3 53	4 7	17 12	17 29	5 51
W10	2 21	18 7	5 15	7 58	1 30	11 49	4 44	21 22	1 4	8 9	1 3	16 39	1 2	19 7	0 14	14 22	0 34	20 38	2 54	3 52	4 6	17 12	17 30	5 51
T 11	1 57	17 6	5 12	8 36	1 37	11 50	4 34	21 15	1 5	8 13	1 3	16 38	1 2	19 7	0 14	14 22	0 34	20 38	2 54	3 52	4 5	17 11	17 30	5 50
F 12	1 34	15 20	4 56	9 13	1 45	11 51	4 24	21 8	1 6	8 18	1 3	16 36	1 2	19 7	0 14	14 21	0 34	20 38	2 54	3 51	4 4	17 10	17 31	5 50
S 13	1 10	12 54	4 26	9 49	1 52	11 52	4 14	21 1	1 7	8 23	1 3	16 34	1 2	19 7	0 14	14 20	0 34	20 38	2 54	3 51	4 2	17 9	17 31	5 49
S 14	0 47	9 53	3 45	10 25	1 59	11 52	4 4	20 54	1 7	8 27	1 2	16 32	1 3	19 6	0 14	14 20	0 34	20 38	2 53	3 50	4 1	17 9	17 32	5 49
M15	0 23	6 23	2 52	10 59	2 6	11 51	3 54	20 46	1 8	8 32	1 2	16 30	1 3	19 6	0 14	14 19	0 34	20 39	2 53	3 49	4 0	17 8	17 32	5 49
T 16	0s 1	2 33	1 50	11 33	2 13	11 49	3 45	20 39	1 9	8 37	1 2	16 28	1 3	19 6	0 14	14 19	0 34	20 39	2 53	3 49	3 59	17 7	17 33	5 48
W17	0 24	1s29	0 41	12 5	2 19	11 47	3 35	20 31	1 10	8 41	1 2	16 26	1 3	19 6	0 14	14 18	0 34	20 39	2 53	3 49	3 57	17 6	17 33	5 48
T 18	0 48	5 31	0n31	12 37	2 26	11 45	3 25	20 23	1 11	8 46	1 2	16 25	1 3	19 5	0 14	14 17	0 34	20 39	2 53	3 49	3 56	17 5	17 34	5 47
F 19	1 12	9 22	1 43	13 7	2 32	11 42	3 16	20 16	1 11	8 51	1 2	16 23	1 3	19 5	0 14	14 17	0 34	20 39	2 52	3 49	3 55	17 5	17 34	5 47
S 20	1 35	12 46	2 50	13 36	2 38	11 38	3 7	20 8	1 12	8 55	1 2	16 21	1 4	19 5	0 14	14 16	0 34	20 40	2 52	3 49	3 53	17 4	17 35	5 46
S 21	1 59	15 32	3 48	14 4	2 43	11 34	2 58	20 0	1 13	9 0	1 2	16 19	1 4	19 5	0 14	14 16	0 34	20 40	2 52	3 49	3 52	17 3	17 35	5 46
M22	2 22	17 26	4 34	14 31	2 49	11 29	2 48	19 52	1 14	9 5	1 2	16 18	1 4	19 4	0 14	14 15	0 34	20 40	2 52	3 49	3 51	17 2	17 36	5 46
T 23	2 46	18 18	5 5	14 56	2 54	11 23	2 39	19 44	1 15	9 9	1 2	16 16	1 4	19 4	0 14	14 15	0 34	20 40	2 52	3 49	3 50	17 1	17 36	5 45
W24	3 10	18 2	5 17	15 20	2 58	11 17	2 31	19 35	1 16	9 14	1 1	16 14	1 4	19 4	0 14	14 14	0 34	20 40	2 51	3 49	3 48	17 1	17 37	5 45
T 25	3 33	16 39	5 10	15 42	3 2	11 10	2 22	19 27	1 16	9 19	1 1	16 13	1 4	19 3	0 14	14 14	0 34	20 41	2 51	3 49	3 47	17 0	17 38	5 45
F 26	3 57	14 13	4 44	16 2	3 6	11 3	2 13	19 18	1 17	9 24	1 1	16 11	1 4	19 3	0 14	14 13	0 34	20 41	2 51	3 49	3 46	16 59	17 38	5 44
S 27	4 20	10 56	4 0	16 20	3 9	10 55	2 5	19 10	1 18	9 28	1 1	16 9	1 5	19 2	0 14	14 12	0 34	20 41	2 51	3 49	3 45	16 58	17 39	5 44
S 28	4 43	7 1	3 2	16 36	3 11	10 47	1 56	19 1	1 19	9 33	1 1	16 8	1 5	19 2	0 14	14 12	0 34	20 41	2 51	3 50	3 43	16 57	17 39	5 43
M29	5 7	2 44	1 53	16 50	3 13	10 38	1 48	18 53	1 20	9 38	1 1	16 6	1 5	19 2	0 14	14 11	0 34	20 41	2 51	3 50	3 42	16 57	17 40	5 43
T 30	5s30	1n39	0n39	17s 1	3s14	10n29	1s40	18n44	1n21	9s43	1n 1	16n 4	1n 5	19n 1	0s14	14n11	0n34	20s41	2n50	3s50	3s41	16n56	17s40	5n43

Julian Day Number = 2185168.5, Delta T = 11m11s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'09, Lahiri = 13°41'09 Julian Calendar 1 Sept. 1270 == Greg. Calendar 8 Sept. 1270

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

OCTOBER 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 7 3	14♎52'51	16♈21	7♏39	29♌21	11♌55	27♎49	19♌33	25°R37	23♌49	29♐29	9°R38	9♎12	20♋55	23♐36	W 1
T 2	1 10 59	15°52'31	29°46	7°59	0♍13	12°29	28° 2	19°38	25♉35	23°51	29°30	9♎37	9° 9	21° 2	23°40	T 2
F 3	1 14 56	16°52'13	12♉52	8°12	1° 5	13° 3	28°15	19°43	25°33	23°52	29°31	9°37	9° 6	21° 9	23°43	F 3
S 4	1 18 52	17°51'57	25°40	8°R18	1°58	13°37	28°28	19°48	25°32	23°54	29°32	9°36	9° 3	21°15	23°47	S 4
S 5	1 22 49	18°51'44	8♊10	8°16	2°51	14°11	28°41	19°54	25°30	23°55	29°33	9°34	9° 0	21°22	23°50	S 5
M 6	1 26 45	19°51'32	20°26	8° 7	3°45	14°45	28°54	19°59	25°28	23°57	29°34	9°33	8°56	21°29	23°54	M 6
T 7	1 30 42	20°51'23	2♋30	7°48	4°40	15°19	29° 7	20° 4	25°26	23°58	29°35	9°32	8°53	21°35	23°58	T 7
W 8	1 34 38	21°51'16	14°25	7°21	5°35	15°53	29°20	20° 9	25°24	23°59	29°36	9°31	8°50	21°42	24° 2	W 8
T 9	1 38 35	22°51'11	26°18	6°44	6°31	16°26	29°33	20°13	25°22	24° 1	29°37	9°D31	8°47	21°49	24° 6	T 9
F 10	1 42 32	23°51'09	8♌12	5°58	7°28	17° 0	29°46	20°18	25°20	24° 2	29°38	9°32	8°44	21°56	24°10	F 10
S 11	1 46 28	24°51'09	20°12	5° 4	8°25	17°33	29°59	20°23	25°18	24° 3	29°39	9°33	8°40	22° 2	24°14	S 11
S 12	1 50 25	25°51'10	2♍23	4° 1	9°23	18° 6	0♏13	20°28	25°16	24° 5	29°40	9°34	8°37	22° 9	24°18	S 12
M13	1 54 21	26°51'14	14°48	2°52	10°21	18°39	0°26	20°32	25°14	24° 6	29°41	9°36	8°34	22°16	24°22	M13
T 14	1 58 18	27°51'20	27°30	1°38	11°19	19°12	0°39	20°36	25°12	24° 7	29°42	9°37	8°31	22°23	24°26	T 14
W15	2 2 14	28°51'28	10♎33	0°21	12°19	19°45	0°52	20°41	25° 9	24° 8	29°43	9°R37	8°28	22°29	24°30	W15
T 16	2 6 11	29°51'38	23°55	29♎ 2	13°18	20°18	1° 5	20°45	25° 7	24° 9	29°45	9°37	8°25	22°36	24°35	T 16
F 17	2 10 7	0♏51'50	7♏36	27°46	14°18	20°51	1°19	20°49	25° 5	24°10	29°46	9°35	8°21	22°43	24°39	F 17
S 18	2 14 4	1°52'04	21°33	26°33	15°19	21°23	1°32	20°53	25° 3	24°12	29°47	9°32	8°18	22°49	24°43	S 18
S 19	2 18 0	2°52'20	5♐43	25°27	16°20	21°55	1°45	20°57	25° 0	24°13	29°49	9°29	8°15	22°56	24°48	S 19
M20	2 21 57	3°52'37	20° 0	24°29	17°21	22°28	1°58	21° 1	24°58	24°14	29°50	9°25	8°12	23° 3	24°52	M20
T 21	2 25 54	4°52'56	4♑21	23°42	18°23	23° 0	2°11	21° 5	24°56	24°15	29°51	9°22	8° 9	23°10	24°57	T 21
W22	2 29 50	5°53'16	18°40	23° 5	19°25	23°32	2°25	21° 9	24°53	24°16	29°53	9°20	8° 6	23°16	25° 2	W22
T 23	2 33 47	6°53'38	2♒54	22°39	20°28	24° 4	2°38	21°12	24°51	24°17	29°54	9°D19	8° 2	23°23	25° 6	T 23
F 24	2 37 43	7°54'01	17° 1	22°25	21°30	24°35	2°51	21°16	24°49	24°17	29°56	9°19	7°59	23°30	25°11	F 24
S 25	2 41 40	8°54'25	1♓ 0	22°D23	22°34	25° 7	3° 4	21°19	24°46	24°18	29°57	9°20	7°56	23°36	25°16	S 25
S 26	2 45 36	9°54'51	14°48	22°32	23°37	25°38	3°17	21°23	24°44	24°19	29°58	9°22	7°53	23°43	25°21	S 26
M27	2 49 33	10°55'18	28°27	22°51	24°41	26° 9	3°31	21°26	24°41	24°20	29°59	9°23	7°50	23°50	25°26	M27
T 28	2 53 29	11°55'47	11♈55	23°20	25°45	26°41	3°44	21°29	24°39	24°21	0♑ 1	9°R24	7°46	23°57	25°31	T 28
W29	2 57 26	12°56'17	25°11	23°57	26°50	27°11	3°57	21°32	24°37	24°22	0° 3	9°23	7°43	24° 3	25°36	W29
T 30	3 1 23	13°56'48	8♉15	24°42	27°55	27°42	4°10	21°35	24°34	24°22	0° 5	9°20	7°40	24°10	25°41	T 30
F 31	3 5 19	14♏57'22	21♉ 6	25♎33	29♍ 0	28♌13	4♏23	21♌38	24♉32	24♌23	0♑ 6	9♎15	7♎37	24♋17	25♐46	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s53	5n53	0s37	17s10	3s14	10n18	1s32	18n35	1n21	9s47	1n 1	16n 3	1n 5	19n 1	0s14	14n10	0n34	20s42	2n50	3s50	3s40	16n55	17s41	5n42
T 2	6 16	9 44	1 49	17 15	3 13	10 8	1 24	18 26	1 22	9 52	1 1	16 1	1 6	19 0	0 14	14 10	0 34	20 42	2 50	3 50	3 38	16 54	17 41	5 42
F 3	6 39	13 0	2 54	17 18	3 11	9 57	1 16	18 17	1 23	9 57	1 1	16 0	1 6	19 0	0 14	14 9	0 34	20 42	2 50	3 49	3 37	16 53	17 42	5 42
S 4	7 2	15 33	3 48	17 17	3 7	9 45	1 9	18 8	1 24	10 1	1 1	15 58	1 6	19 0	0 14	14 9	0 34	20 42	2 50	3 49	3 36	16 52	17 42	5 41
S 5	7 25	17 18	4 30	17 12	3 3	9 33	1 1	17 59	1 25	10 6	1 1	15 57	1 6	18 59	0 14	14 9	0 35	20 42	2 49	3 48	3 35	16 52	17 43	5 41
M 6	7 48	18 13	4 59	17 3	2 57	9 20	0 54	17 50	1 26	10 11	1 1	15 55	1 6	18 59	0 14	14 8	0 35	20 43	2 49	3 48	3 33	16 51	17 43	5 41
T 7	8 10	18 16	5 14	16 50	2 49	9 7	0 47	17 41	1 27	10 16	1 1	15 54	1 6	18 58	0 14	14 8	0 35	20 43	2 49	3 48	3 32	16 50	17 44	5 40
W 8	8 33	17 31	5 15	16 32	2 40	8 53	0 39	17 32	1 28	10 20	1 0	15 53	1 7	18 58	0 14	14 7	0 35	20 43	2 49	3 47	3 31	16 49	17 44	5 40
T 9	8 55	16 1	5 3	16 9	2 29	8 39	0 33	17 22	1 28	10 25	1 0	15 51	1 7	18 57	0 14	14 7	0 35	20 43	2 49	3 47	3 30	16 48	17 45	5 39
F 10	9 17	13 49	4 38	15 42	2 16	8 24	0 26	17 13	1 29	10 30	1 0	15 50	1 7	18 57	0 14	14 6	0 35	20 43	2 49	3 47	3 28	16 47	17 45	5 39
S 11	9 40	11 0	4 0	15 10	2 2	8 9	0 19	17 4	1 30	10 34	1 0	15 49	1 7	18 56	0 14	14 6	0 35	20 43	2 48	3 48	3 27	16 47	17 46	5 39
S 12	10 2	7 41	3 12	14 33	1 45	7 53	0 13	16 54	1 31	10 39	1 0	15 47	1 7	18 56	0 14	14 6	0 35	20 44	2 48	3 48	3 26	16 46	17 46	5 39
M13	10 23	3 58	2 13	13 53	1 28	7 37	0 6	16 45	1 32	10 44	1 0	15 46	1 8	18 55	0 14	14 5	0 35	20 44	2 48	3 49	3 25	16 45	17 47	5 38
T 14	10 45	0s 1	1 6	13 9	1 8	7 21	0n 0	16 35	1 33	10 48	1 0	15 45	1 8	18 55	0 14	14 5	0 35	20 44	2 48	3 49	3 23	16 44	17 47	5 38
W15	11 7	4 7	0n 5	12 23	0 48	7 4	0 6	16 26	1 34	10 53	1 0	15 44	1 8	18 54	0 14	14 4	0 35	20 44	2 48	3 50	3 22	16 43	17 48	5 38
T 16	11 28	8 6	1 18	11 36	0 28	6 46	0 12	16 16	1 35	10 58	1 0	15 42	1 8	18 54	0 14	14 4	0 35	20 44	2 47	3 49	3 21	16 42	17 48	5 37
F 17	11 49	11 46	2 28	10 50	0 7	6 29	0 18	16 7	1 36	11 2	1 0	15 41	1 8	18 53	0 14	14 4	0 35	20 45	2 47	3 49	3 20	16 42	17 49	5 37
S 18	12 10	14 50	3 31	10 5	0n13	6 10	0 24	15 57	1 37	11 7	1 0	15 40	1 8	18 53	0 14	14 3	0 35	20 45	2 47	3 48	3 18	16 41	17 49	5 37
S 19	12 31	17 3	4 21	9 22	0 33	5 52	0 29	15 47	1 37	11 11	1 0	15 39	1 9	18 52	0 14	14 3	0 35	20 45	2 47	3 46	3 17	16 40	17 50	5 36
M20	12 52	18 14	4 56	8 44	0 51	5 33	0 35	15 38	1 38	11 16	1 0	15 38	1 9	18 52	0 14	14 3	0 35	20 45	2 47	3 45	3 16	16 39	17 50	5 36
T 21	13 12	18 15	5 13	8 10	1 8	5 13	0 40	15 28	1 39	11 21	1 0	15 37	1 9	18 51	0 14	14 2	0 35	20 45	2 47	3 44	3 15	16 38	17 50	5 36
W22	13 32	17 7	5 10	7 42	1 24	4 54	0 45	15 18	1 40	11 25	1 0	15 36	1 9	18 50	0 14	14 2	0 35	20 45	2 46	3 43	3 13	16 37	17 51	5 36
T 23	13 52	14 55	4 48	7 21	1 37	4 34	0 50	15 9	1 41	11 30	1 0	15 35	1 9	18 50	0 14	14 2	0 35	20 46	2 46	3 42	3 12	16 36	17 51	5 35
F 24	14 12	11 51	4 8	7 5	1 49	4 13	0 55	14 59	1 42	11 34	1 0	15 34	1 10	18 49	0 14	14 2	0 35	20 46	2 46	3 42	3 11	16 35	17 52	5 35
S 25	14 31	8 7	3 15	6 55	1 58	3 53	1 0	14 49	1 43	11 39	1 0	15 33	1 10	18 49	0 14	14 1	0 35	20 46	2 46	3 43	3 10	16 35	17 52	5 35
S 26	14 51	4 0	2 11	6 51	2 6	3 32	1 4	14 39	1 44	11 43	1 0	15 32	1 10	18 48	0 14	14 1	0 35	20 46	2 46	3 44	3 8	16 34	17 53	5 35
M27	15 10	0n17	1 0	6 52	2 12	3 10	1 9	14 30	1 45	11 48	1 0	15 31	1 10	18 48	0 14	14 1	0 35	20 46	2 46	3 44	3 7	16 33	17 53	5 34
T 28	15 28	4 31	0s14	6 59	2 17	2 49	1 13	14 20	1 46	11 52	1 0	15 31	1 10	18 47	0 14	14 1	0 35	20 46	2 45	3 44	3 6	16 32	17 53	5 34
W29	15 47	8 28	1 25	7 9	2 20	2 27	1 17	14 10	1 47	11 57	1 0	15 30	1 11	18 46	0 14	14 0	0 35	20 47	2 45	3 44	3 4	16 31	17 54	5 34
T 30	16 5	11 56	2 31	7 24	2 22	2 4	1 21	14 0	1 48	12 1	1 0	15 29	1 11	18 46	0 14	14 0	0 35	20 47	2 45	3 43	3 3	16 30	17 54	5 34
F 31	16s23	14n46	3s28	7s43	2n22	1n42	1n25	13n51	1n49	12s 6	1n 0	15n28	1n11	18n45	0s14	14n 0	0n35	20s47	2n45	3s41	3s 2	16n29	17s55	5n33

Julian Day Number = 2185198.5, Delta T = 11m11s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'13, Lahiri = 13°41'13 Julian Calendar 1 Oct. 1270 == Greg. Calendar 8 Oct. 1270

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

NOVEMBER 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 9 16	15♏57'56	3♊44	26♎31	0♎ 5	28♌43	4♏36	21♌40	24°R29	24♌24	0♑ 8	9°R 9	7♎34	24♋23	25♐51	S 1
S 2	3 13 12	16°58'33	16° 8	27°34	1°11	29°14	4°49	21°43	24♉27	24°24	0° 9	9♎ 2	7°31	24°30	25°56	S 2
M 3	3 17 9	17°59'11	28°21	28°42	2°17	29°44	5° 2	21°46	24°24	24°25	0°11	8°55	7°27	24°37	26° 1	M 3
T 4	3 21 5	18°59'50	10♋23	29°53	3°23	0♍14	5°15	21°48	24°22	24°25	0°13	8°48	7°24	24°44	26° 7	T 4
W 5	3 25 2	20° 0'32	22°18	1♏ 8	4°30	0°44	5°28	21°50	24°19	24°26	0°14	8°43	7°21	24°50	26°12	W 5
T 6	3 28 58	21° 1'14	4♌ 9	2°26	5°36	1°13	5°41	21°53	24°17	24°26	0°16	8°39	7°18	24°57	26°17	T 6
F 7	3 32 55	22° 1'59	16° 1	3°46	6°43	1°43	5°54	21°55	24°14	24°27	0°18	8°37	7°15	25° 4	26°23	F 7
S 8	3 36 52	23° 2'45	27°59	5° 8	7°51	2°12	6° 7	21°57	24°12	24°27	0°20	8°D37	7°12	25°10	26°28	S 8
S 9	3 40 48	24° 3'33	10♍ 7	6°33	8°58	2°41	6°20	21°59	24° 9	24°28	0°21	8°38	7° 8	25°17	26°34	S 9
M10	3 44 45	25° 4'22	22°31	7°58	10° 6	3°10	6°33	22° 0	24° 6	24°28	0°23	8°40	7° 5	25°24	26°39	M10
T 11	3 48 41	26° 5'12	5♎15	9°25	11°14	3°39	6°46	22° 2	24° 4	24°28	0°25	8°R41	7° 2	25°31	26°45	T 11
W12	3 52 38	27° 6'04	18°23	10°53	12°22	4° 8	6°59	22° 4	24° 1	24°28	0°27	8°40	6°59	25°37	26°50	W12
T 13	3 56 34	28° 6'58	1♏56	12°21	13°30	4°36	7°12	22° 5	23°59	24°29	0°29	8°38	6°56	25°44	26°56	T 13
F 14	4 0 31	29° 7'53	15°55	13°51	14°39	5° 4	7°24	22° 6	23°56	24°29	0°31	8°33	6°52	25°51	27° 2	F 14
S 15	4 4 27	0♐ 8'49	0♐17	15°21	15°47	5°32	7°37	22° 8	23°54	24°29	0°32	8°26	6°49	25°57	27° 7	S 15
S 16	4 8 24	1° 9'46	14°55	16°51	16°56	6° 0	7°50	22° 9	23°51	24°29	0°34	8°18	6°46	26° 4	27°13	S 16
M17	4 12 21	2°10'44	29°42	18°22	18° 5	6°27	8° 2	22°10	23°49	24°29	0°36	8° 9	6°43	26°11	27°19	M17
T 18	4 16 17	3°11'43	14♑30	19°54	19°15	6°54	8°15	22°11	23°46	24°29	0°38	8° 0	6°40	26°18	27°24	T 18
W19	4 20 14	4°12'43	29°11	21°25	20°24	7°21	8°28	22°12	23°44	24°R29	0°40	7°54	6°37	26°24	27°30	W19
T 20	4 24 10	5°13'44	13♒39	22°57	21°33	7°48	8°40	22°12	23°41	24°29	0°42	7°49	6°33	26°31	27°36	T 20
F 21	4 28 7	6°14'45	27°50	24°29	22°43	8°15	8°53	22°13	23°39	24°29	0°44	7°47	6°30	26°38	27°42	F 21
S 22	4 32 3	7°15'47	11♓44	26° 1	23°53	8°41	9° 5	22°13	23°37	24°29	0°46	7°D47	6°27	26°44	27°48	S 22
S 23	4 36 0	8°16'49	25°20	27°34	25° 3	9° 7	9°18	22°14	23°34	24°29	0°48	7°48	6°24	26°51	27°54	S 23
M24	4 39 56	9°17'51	8♈40	29° 6	26°13	9°33	9°30	22°14	23°32	24°29	0°50	7°R48	6°21	26°58	28° 0	M24
T 25	4 43 53	10°18'54	21°46	0♐39	27°23	9°59	9°42	22°14	23°29	24°29	0°52	7°47	6°17	27° 5	28° 5	T 25
W26	4 47 50	11°19'58	4♉40	2°12	28°34	10°24	9°54	22°R14	23°27	24°29	0°54	7°44	6°14	27°11	28°11	W26
T 27	4 51 46	12°21'03	17°22	3°45	29°44	10°49	10° 7	22°14	23°25	24°28	0°56	7°38	6°11	27°18	28°17	T 27
F 28	4 55 43	13°22'07	29°55	5°18	0♏55	11°14	10°19	22°14	23°22	24°28	0°58	7°29	6° 8	27°25	28°23	F 28
S 29	4 59 39	14°23'13	12♊18	6°51	2° 6	11°38	10°31	22°13	23°20	24°28	1° 0	7°17	6° 5	27°31	28°29	S 29
S 30	5 3 36	15♐24'19	24♊32	8♐24	3♏16	12♍ 3	10♏43	22♌13	23♉18	24♌27	1♑ 2	7♎ 4	6♎ 2	27♋38	28♐35	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s41	16n50	4s13	8s 4	2n22	1n19	1n29	13n41	1n50	12s10	1n 0	15n28	1n11	18n45	0s14	14n 0	0n35	20s47	2n45	3s38	3s 1	16n28	17s55	5n33
S 2	16 58	18 4	4 46	8 28	2 20	0 56	1 32	13 31	1 51	12 15	1 0	15 27	1 12	18 44	0 14	14 0	0 35	20 47	2 45	3 36	2 59	16 27	17 55	5 33
M 3	17 15	18 27	5 4	8 55	2 18	0 33	1 36	13 21	1 52	12 19	1 0	15 26	1 12	18 43	0 14	13 59	0 35	20 47	2 45	3 33	2 58	16 27	17 56	5 33
T 4	17 32	17 59	5 9	9 23	2 14	0 10	1 39	13 12	1 53	12 23	1 0	15 26	1 12	18 43	0 14	13 59	0 35	20 47	2 44	3 30	2 57	16 26	17 56	5 33
W 5	17 49	16 44	5 1	9 52	2 11	0s14	1 42	13 2	1 54	12 28	1 0	15 25	1 12	18 42	0 14	13 59	0 35	20 48	2 44	3 28	2 56	16 25	17 56	5 32
T 6	18 5	14 46	4 40	10 23	2 6	0 37	1 45	12 52	1 55	12 32	1 0	15 25	1 12	18 42	0 14	13 59	0 35	20 48	2 44	3 27	2 54	16 24	17 57	5 32
F 7	18 21	12 10	4 6	10 55	2 1	1 1	1 48	12 43	1 56	12 36	1 0	15 24	1 13	18 41	0 14	13 59	0 35	20 48	2 44	3 26	2 53	16 23	17 57	5 32
S 8	18 36	9 4	3 22	11 28	1 56	1 25	1 51	12 33	1 57	12 41	1 0	15 24	1 13	18 40	0 14	13 59	0 36	20 48	2 44	3 26	2 52	16 22	17 57	5 32
S 9	18 52	5 31	2 28	12 1	1 51	1 50	1 54	12 24	1 58	12 45	1 0	15 23	1 13	18 40	0 14	13 59	0 36	20 48	2 44	3 26	2 51	16 21	17 58	5 32
M10	19 6	1 40	1 26	12 34	1 45	2 14	1 56	12 14	2 0	12 49	1 0	15 23	1 13	18 39	0 14	13 59	0 36	20 48	2 44	3 27	2 49	16 20	17 58	5 32
T 11	19 21	2s23	0 19	13 8	1 38	2 38	1 59	12 5	2 1	12 53	1 0	15 23	1 13	18 39	0 14	13 59	0 36	20 48	2 43	3 27	2 48	16 19	17 58	5 31
W12	19 35	6 26	0n52	13 41	1 32	3 3	2 1	11 55	2 2	12 58	1 0	15 22	1 14	18 38	0 14	13 58	0 36	20 49	2 43	3 27	2 47	16 18	17 58	5 31
T 13	19 49	10 17	2 2	14 15	1 25	3 28	2 3	11 46	2 3	13 2	1 0	15 22	1 14	18 37	0 14	13 58	0 36	20 49	2 43	3 26	2 46	16 17	17 59	5 31
F 14	20 2	13 41	3 6	14 48	1 19	3 52	2 5	11 37	2 4	13 6	1 0	15 22	1 14	18 37	0 14	13 58	0 36	20 49	2 43	3 24	2 44	16 16	17 59	5 31
S 15	20 16	16 22	4 1	15 21	1 12	4 17	2 7	11 27	2 5	13 10	1 0	15 22	1 14	18 36	0 14	13 58	0 36	20 49	2 43	3 21	2 43	16 15	17 59	5 31
S 16	20 28	18 1	4 41	15 54	1 5	4 42	2 9	11 18	2 6	13 14	1 0	15 21	1 15	18 35	0 14	13 58	0 36	20 49	2 43	3 18	2 42	16 15	17 59	5 31
M17	20 41	18 30	5 2	16 26	0 58	5 7	2 10	11 9	2 7	13 18	1 0	15 21	1 15	18 35	0 13	13 58	0 36	20 49	2 43	3 15	2 41	16 14	18 0	5 31
T 18	20 53	17 43	5 3	16 58	0 51	5 32	2 12	11 0	2 8	13 22	1 0	15 21	1 15	18 34	0 13	13 58	0 36	20 49	2 42	3 11	2 39	16 13	18 0	5 31
W19	21 4	15 45	4 45	17 29	0 43	5 57	2 13	10 51	2 10	13 26	1 0	15 21	1 15	18 34	0 13	13 58	0 36	20 50	2 42	3 9	2 38	16 12	18 0	5 30
T 20	21 15	12 50	4 8	18 0	0 36	6 22	2 14	10 42	2 11	13 30	1 0	15 21	1 15	18 33	0 13	13 58	0 36	20 50	2 42	3 7	2 37	16 11	18 0	5 30
F 21	21 26	9 11	3 17	18 30	0 29	6 46	2 15	10 33	2 12	13 34	1 0	15 21	1 16	18 32	0 13	13 58	0 36	20 50	2 42	3 6	2 36	16 10	18 0	5 30
S 22	21 36	5 7	2 15	18 59	0 22	7 11	2 16	10 24	2 13	13 38	1 0	15 21	1 16	18 32	0 13	13 58	0 36	20 50	2 42	3 6	2 34	16 9	18 1	5 30
S 23	21 46	0 51	1 6	19 27	0 15	7 36	2 17	10 15	2 14	13 42	1 0	15 21	1 16	18 31	0 13	13 59	0 36	20 50	2 42	3 6	2 33	16 8	18 1	5 30
M24	21 56	3n23	0s 5	19 54	0 8	8 1	2 18	10 6	2 15	13 46	1 0	15 21	1 16	18 31	0 13	13 59	0 36	20 50	2 42	3 6	2 32	16 7	18 1	5 30
T 25	22 5	7 22	1 14	20 21	0 1	8 26	2 19	9 58	2 17	13 50	1 0	15 22	1 17	18 30	0 13	13 59	0 36	20 50	2 41	3 6	2 30	16 6	18 1	5 30
W26	22 14	10 57	2 18	20 47	0s 6	8 50	2 19	9 49	2 18	13 54	1 0	15 22	1 17	18 29	0 13	13 59	0 36	20 50	2 41	3 5	2 29	16 5	18 1	5 30
T 27	22 22	13 59	3 14	21 11	0 13	9 15	2 20	9 41	2 19	13 58	1 0	15 22	1 17	18 29	0 13	13 59	0 36	20 50	2 41	3 2	2 28	16 4	18 1	5 30
F 28	22 29	16 18	4 0	21 35	0 20	9 39	2 20	9 33	2 20	14 1	1 0	15 22	1 17	18 28	0 13	13 59	0 36	20 51	2 41	2 59	2 27	16 3	18 1	5 30
S 29	22 37	17 50	4 34	21 58	0 26	10 3	2 20	9 24	2 22	14 5	1 0	15 23	1 17	18 28	0 13	13 59	0 36	20 51	2 41	2 54	2 25	16 2	18 2	5 30
S 30	22s44	18n31	4s54	22s20	0s33	10s27	2n20	9n16	2n23	14s 9	1n 0	15n23	1n18	18n27	0s13	13n59	0n36	20s51	2n41	2s49	2s24	16n 1	18s 2	5n30

Julian Day Number = 2185229.5, Delta T = 11m11s
Ecliptic obliquity = 23°31'53, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'17, Lahiri = 13°41'18 Julian Calendar 1 Nov. 1270 == Greg. Calendar 8 Nov. 1270

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ASTRODIENST EPHEMERIS for the year 1270
geocentric

DECEMBER 1270 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 7 32	16♐25'26	6♋38	9♐58	4♏27	12♍27	10♏55	22°R12	23°R15	24°R27	1♉ 4	6°R51	5♎58	27♋45	28♐41	M 1
T 2	5 11 29	17°26'33	18°37	11°32	5°39	12°50	11° 7	22♌12	23♉13	24♌27	1° 6	6♎38	5°55	27°52	28°47	T 2
W 3	5 15 25	18°27'41	0♌30	13° 5	6°50	13°14	11°18	22°11	23°11	24°26	1° 8	6°27	5°52	27°58	28°53	W 3
T 4	5 19 22	19°28'50	12°20	14°39	8° 1	13°37	11°30	22°10	23° 9	24°26	1°10	6°18	5°49	28° 5	28°59	T 4
F 5	5 23 19	20°29'59	24°10	16°14	9°13	13°59	11°42	22° 9	23° 6	24°25	1°12	6°12	5°46	28°12	29° 5	F 5
S 6	5 27 15	21°31'08	6♍ 4	17°48	10°24	14°22	11°54	22° 8	23° 4	24°25	1°14	6° 9	5°43	28°18	29°12	S 6
S 7	5 31 12	22°32'19	18° 9	19°23	11°36	14°44	12° 5	22° 7	23° 2	24°24	1°16	6°D 8	5°39	28°25	29°18	S 7
M 8	5 35 8	23°33'30	0♎28	20°58	12°48	15° 6	12°17	22° 6	23° 0	24°24	1°18	6°R 8	5°36	28°32	29°24	M 8
T 9	5 39 5	24°34'41	13° 7	22°33	13°59	15°27	12°28	22° 4	22°58	24°23	1°21	6° 8	5°33	28°39	29°30	T 9
W10	5 43 1	25°35'53	26°10	24° 8	15°11	15°48	12°39	22° 3	22°56	24°22	1°23	6° 7	5°30	28°45	29°36	W10
T 11	5 46 58	26°37'05	9♏43	25°44	16°23	16° 9	12°51	22° 1	22°54	24°22	1°25	6° 3	5°27	28°52	29°42	T 11
F 12	5 50 54	27°38'18	23°45	27°20	17°35	16°29	13° 2	21°59	22°52	24°21	1°27	5°57	5°23	28°59	29°48	F 12
S 13	5 54 51	28°39'31	8♐16	28°56	18°48	16°49	13°13	21°57	22°50	24°20	1°29	5°48	5°20	29° 5	29°54	S 13
S 14	5 58 48	29°40'44	23°10	0♑33	20° 0	17° 9	13°24	21°56	22°48	24°19	1°31	5°36	5°17	29°12	0♑ 0	S 14
M15	6 2 44	0♑41'58	8♑18	2°10	21°12	17°28	13°35	21°53	22°46	24°18	1°33	5°24	5°14	29°19	0° 6	M15
T 16	6 6 41	1°43'11	23°30	3°47	22°25	17°47	13°46	21°51	22°45	24°18	1°35	5°13	5°11	29°26	0°12	T 16
W17	6 10 37	2°44'24	8♒36	5°25	23°37	18° 5	13°57	21°49	22°43	24°17	1°37	5° 3	5° 8	29°32	0°19	W17
T 18	6 14 34	3°45'37	23°25	7° 3	24°50	18°23	14° 7	21°47	22°41	24°16	1°40	4°56	5° 4	29°39	0°25	T 18
F 19	6 18 30	4°46'50	7♓52	8°41	26° 2	18°41	14°18	21°44	22°39	24°15	1°42	4°52	5° 1	29°46	0°31	F 19
S 20	6 22 27	5°48'01	21°54	10°20	27°15	18°58	14°29	21°42	22°38	24°14	1°44	4°51	4°58	29°52	0°37	S 20
S 21	6 26 24	6°49'13	5♈32	11°59	28°27	19°14	14°39	21°39	22°36	24°13	1°46	4°51	4°55	29°59	0°43	S 21
M22	6 30 20	7°50'23	18°48	13°38	29°40	19°31	14°49	21°36	22°34	24°12	1°48	4°50	4°52	0♌ 6	0°49	M22
T 23	6 34 17	8°51'34	1♉44	15°18	0♐53	19°46	15° 0	21°34	22°33	24°11	1°50	4°49	4°49	0°13	0°55	T 23
W24	6 38 13	9°52'43	14°24	16°58	2° 6	20° 2	15°10	21°31	22°31	24°10	1°52	4°45	4°45	0°19	1° 1	W24
T 25	6 42 10	10°53'52	26°51	18°39	3°19	20°16	15°20	21°28	22°30	24° 9	1°54	4°38	4°42	0°26	1° 7	T 25
F 26	6 46 6	11°55'01	9♊ 9	20°19	4°32	20°31	15°30	21°24	22°29	24° 8	1°56	4°28	4°39	0°33	1°13	F 26
S 27	6 50 3	12°56'09	21°19	22° 0	5°45	20°45	15°40	21°21	22°27	24° 6	1°58	4°16	4°36	0°39	1°19	S 27
S 28	6 53 59	13°57'16	3♋22	23°41	6°58	20°58	15°49	21°18	22°26	24° 5	2° 0	4° 2	4°33	0°46	1°25	S 28
M29	6 57 56	14°58'23	15°20	25°22	8°11	21°11	15°59	21°15	22°25	24° 4	2° 3	3°47	4°29	0°53	1°31	M29
T 30	7 1 53	15°59'29	27°15	27° 3	9°24	21°23	16° 8	21°11	22°23	24° 3	2° 5	3°33	4°26	1° 0	1°37	T 30
W31	7 5 49	17♑ 0'35	9♌ 6	28♑44	10♐37	21♍34	16♏18	21♌ 8	22♉22	24♌ 2	2♑ 7	3♎20	4♎23	1♌ 6	1♑43	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s50	18n21	5s 1	22s40	0s39	10s51	2n20	9n 8	2n24	14s12	1n 0	15n23	1n18	18n27	0s13	13n59	0n36	20s51	2n41	2s44	2s23	16n 0	18s 2	5n30
T 2	22 56	17 22	4 55	23 0	0 45	11 15	2 20	9 0	2 25	14 16	1 0	15 24	1 18	18 26	0 13	14 0	0 36	20 51	2 41	2 39	2 22	15 59	18 2	5 30
W 3	23 2	15 38	4 36	23 18	0 51	11 39	2 20	8 52	2 27	14 20	1 0	15 24	1 18	18 25	0 13	14 0	0 36	20 51	2 41	2 34	2 20	15 58	18 2	5 30
T 4	23 7	13 15	4 5	23 35	0 57	12 2	2 19	8 45	2 28	14 23	1 0	15 25	1 19	18 25	0 13	14 0	0 36	20 51	2 40	2 31	2 19	15 57	18 2	5 30
F 5	23 11	10 20	3 23	23 52	1 3	12 25	2 19	8 37	2 29	14 27	1 0	15 25	1 19	18 24	0 13	14 0	0 36	20 51	2 40	2 28	2 18	15 56	18 2	5 30
S 6	23 16	6 58	2 32	24 6	1 9	12 48	2 18	8 29	2 31	14 30	1 0	15 26	1 19	18 24	0 13	14 0	0 36	20 51	2 40	2 27	2 17	15 55	18 2	5 30
S 7	23 19	3 16	1 34	24 20	1 14	13 11	2 18	8 22	2 32	14 34	1 0	15 26	1 19	18 23	0 13	14 1	0 36	20 51	2 40	2 27	2 15	15 54	18 2	5 30
M 8	23 22	0s39	0 30	24 32	1 19	13 34	2 17	8 15	2 33	14 37	1 0	15 27	1 19	18 23	0 13	14 1	0 36	20 52	2 40	2 27	2 14	15 53	18 2	5 30
T 9	23 25	4 38	0n37	24 43	1 24	13 56	2 16	8 8	2 35	14 41	1 0	15 28	1 20	18 22	0 13	14 1	0 36	20 52	2 40	2 27	2 13	15 52	18 2	5 30
W10	23 27	8 32	1 44	24 53	1 29	14 18	2 15	8 1	2 36	14 44	1 0	15 28	1 20	18 22	0 13	14 1	0 37	20 52	2 40	2 26	2 12	15 51	18 2	5 30
T 11	23 29	12 8	2 48	25 1	1 33	14 40	2 14	7 54	2 37	14 48	1 0	15 29	1 20	18 21	0 13	14 2	0 37	20 52	2 40	2 25	2 10	15 50	18 2	5 30
F 12	23 31	15 11	3 43	25 8	1 38	15 1	2 13	7 47	2 39	14 51	1 1	15 30	1 20	18 21	0 13	14 2	0 37	20 52	2 40	2 22	2 9	15 49	18 2	5 30
S 13	23 31	17 23	4 27	25 13	1 42	15 22	2 12	7 41	2 40	14 54	1 1	15 31	1 21	18 20	0 13	14 2	0 37	20 52	2 39	2 19	2 8	15 48	18 2	5 30
S 14	23 32	18 28	4 53	25 17	1 46	15 43	2 10	7 34	2 42	14 57	1 1	15 32	1 21	18 20	0 13	14 2	0 37	20 52	2 39	2 14	2 6	15 47	18 2	5 30
M15	23 32	18 17	5 0	25 20	1 49	16 3	2 9	7 28	2 43	15 1	1 1	15 32	1 21	18 19	0 13	14 3	0 37	20 52	2 39	2 9	2 5	15 46	18 2	5 30
T 16	23 31	16 47	4 45	25 21	1 52	16 23	2 8	7 22	2 44	15 4	1 1	15 33	1 21	18 19	0 13	14 3	0 37	20 52	2 39	2 5	2 4	15 45	18 2	5 30
W17	23 30	14 9	4 11	25 21	1 55	16 43	2 6	7 16	2 46	15 7	1 1	15 34	1 21	18 19	0 13	14 3	0 37	20 52	2 39	2 1	2 3	15 44	18 2	5 30
T 18	23 29	10 37	3 20	25 18	1 58	17 2	2 4	7 10	2 47	15 10	1 1	15 35	1 22	18 18	0 13	14 4	0 37	20 52	2 39	1 58	2 1	15 43	18 1	5 30
F 19	23 27	6 32	2 17	25 15	2 0	17 21	2 3	7 5	2 49	15 13	1 1	15 36	1 22	18 18	0 13	14 4	0 37	20 52	2 39	1 57	2 0	15 42	18 1	5 31
S 20	23 24	2 11	1 8	25 10	2 2	17 39	2 1	7 0	2 50	15 16	1 1	15 37	1 22	18 17	0 13	14 4	0 37	20 52	2 39	1 56	1 59	15 41	18 1	5 31
S 21	23 21	2n 9	0s 4	25 3	2 4	17 57	1 59	6 54	2 52	15 19	1 1	15 38	1 22	18 17	0 13	14 5	0 37	20 52	2 39	1 56	1 58	15 40	18 1	5 31
M22	23 18	6 16	1 13	24 54	2 5	18 15	1 57	6 49	2 53	15 22	1 1	15 39	1 22	18 17	0 13	14 5	0 37	20 53	2 39	1 56	1 56	15 39	18 1	5 31
T 23	23 14	9 59	2 17	24 44	2 6	18 32	1 55	6 44	2 55	15 25	1 1	15 40	1 23	18 16	0 13	14 6	0 37	20 53	2 39	1 55	1 55	15 38	18 1	5 31
W24	23 10	13 9	3 13	24 32	2 6	18 49	1 53	6 40	2 56	15 28	1 1	15 42	1 23	18 16	0 13	14 6	0 37	20 53	2 38	1 54	1 54	15 37	18 1	5 31
T 25	23 5	15 40	3 58	24 19	2 6	19 5	1 51	6 35	2 58	15 31	1 1	15 43	1 23	18 15	0 13	14 6	0 37	20 53	2 38	1 51	1 53	15 36	18 0	5 31
F 26	23 0	17 26	4 32	24 4	2 6	19 21	1 49	6 31	2 59	15 34	1 2	15 44	1 23	18 15	0 13	14 7	0 37	20 53	2 38	1 47	1 51	15 35	18 0	5 31
S 27	22 54	18 23	4 52	23 47	2 5	19 36	1 47	6 27	3 1	15 36	1 2	15 45	1 23	18 15	0 13	14 7	0 37	20 53	2 38	1 42	1 50	15 34	18 0	5 32
S 28	22 48	18 30	5 0	23 28	2 3	19 51	1 44	6 23	3 2	15 39	1 2	15 46	1 24	18 14	0 13	14 7	0 37	20 53	2 38	1 36	1 49	15 33	18 0	5 32
M29	22 41	17 47	4 54	23 8	2 1	20 5	1 42	6 20	3 4	15 42	1 2	15 48	1 24	18 14	0 13	14 8	0 37	20 53	2 38	1 30	1 48	15 32	17 59	5 32
T 30	22 34	16 18	4 35	22 46	1 58	20 18	1 40	6 16	3 6	15 45	1 2	15 49	1 24	18 14	0 13	14 8	0 37	20 53	2 38	1 25	1 46	15 31	17 59	5 32
W31	22s27	14n 7	4s 4	22s22	1s55	20s31	1n37	6n13	3n 7	15s47	1n 2	15n50	1n24	18n14	0s13	14n 9	0n37	20s53	2n38	1s20	1s45	15n30	17s59	5n32

Julian Day Number = 2185259.5, Delta T = 11m10s
Ecliptic obliquity = 23°31'52, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'21, Lahiri = 13°41'22 Julian Calendar 1 Dec. 1270 == Greg. Calendar 8 Dec. 1270

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

JANUARY 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 9 46	18♉ 1'40	20♌56	0♒25	11♐50	21♍46	16♏27	21°R 4	22°R21	24°R 0	2♉ 9	3°R10	4♎20	1♌13	1♉49	T 1
F 2	7 13 42	19° 2'45	2♍48	2° 5	13° 3	21°56	16°36	21♌ 0	22♉20	23♌59	2°11	3♎ 3	4°17	1°20	1°55	F 2
S 3	7 17 39	20° 3'49	14°43	3°44	14°17	22° 6	16°45	20°57	22°19	23°58	2°13	2°59	4°14	1°26	2° 0	S 3
S 4	7 21 35	21° 4'52	26°47	5°23	15°30	22°16	16°54	20°53	22°18	23°56	2°15	2°58	4°10	1°33	2° 6	S 4
M 5	7 25 32	22° 5'55	9♎ 4	7° 0	16°43	22°24	17° 3	20°49	22°17	23°55	2°17	2°D58	4° 7	1°40	2°12	M 5
T 6	7 29 28	23° 6'58	21°38	8°36	17°57	22°33	17°12	20°45	22°16	23°54	2°19	2°R58	4° 4	1°46	2°18	T 6
W 7	7 33 25	24° 8'00	4♏35	10°11	19°10	22°40	17°21	20°41	22°15	23°52	2°21	2°58	4° 1	1°53	2°24	W 7
T 8	7 37 22	25° 9'01	17°59	11°43	20°24	22°47	17°29	20°37	22°14	23°51	2°23	2°55	3°58	2° 0	2°29	T 8
F 9	7 41 18	26°10'02	1♐53	13°12	21°37	22°53	17°37	20°33	22°14	23°49	2°25	2°51	3°55	2° 7	2°35	F 9
S 10	7 45 15	27°11'02	16°17	14°38	22°51	22°59	17°46	20°29	22°13	23°48	2°27	2°43	3°51	2°13	2°41	S 10
S 11	7 49 11	28°12'01	1♑ 7	15°59	24° 4	23° 4	17°54	20°24	22°12	23°46	2°29	2°34	3°48	2°20	2°47	S 11
M12	7 53 8	29°13'00	16°17	17°17	25°18	23° 8	18° 2	20°20	22°12	23°45	2°31	2°24	3°45	2°27	2°52	M12
T 13	7 57 4	0♒13'57	1♒37	18°29	26°32	23°12	18°10	20°16	22°11	23°44	2°33	2°15	3°42	2°33	2°58	T 13
W14	8 1 1	1°14'54	16°55	19°35	27°45	23°14	18°17	20°11	22°11	23°42	2°34	2° 6	3°39	2°40	3° 3	W14
T 15	8 4 57	2°15'49	2♓ 1	20°34	28°59	23°17	18°25	20° 7	22°10	23°40	2°36	2° 0	3°35	2°47	3° 9	T 15
F 16	8 8 54	3°16'43	16°45	21°26	0♑13	23°18	18°32	20° 2	22°10	23°39	2°38	1°57	3°32	2°54	3°14	F 16
S 17	8 12 51	4°17'35	1♈ 2	22° 9	1°26	23°R19	18°40	19°58	22°10	23°37	2°40	1°D56	3°29	3° 0	3°20	S 17
S 18	8 16 47	5°18'26	14°52	22°43	2°40	23°19	18°47	19°53	22° 9	23°36	2°42	1°57	3°26	3° 7	3°25	S 18
M19	8 20 44	6°19'15	28°14	23° 7	3°54	23°18	18°54	19°49	22° 9	23°34	2°44	1°57	3°23	3°14	3°31	M19
T 20	8 24 40	7°20'03	11♉12	23°20	5° 7	23°16	19° 1	19°44	22° 9	23°33	2°46	1°R58	3°20	3°20	3°36	T 20
W21	8 28 37	8°20'49	23°50	23°R23	6°21	23°14	19° 7	19°39	22° 9	23°31	2°47	1°56	3°16	3°27	3°41	W21
T 22	8 32 33	9°21'34	6♊12	23°15	7°35	23°11	19°14	19°34	22° 9	23°29	2°49	1°53	3°13	3°34	3°47	T 22
F 23	8 36 30	10°22'17	18°22	22°57	8°49	23° 7	19°20	19°30	22°D 9	23°28	2°51	1°47	3°10	3°40	3°52	F 23
S 24	8 40 26	11°22'59	0♋24	22°28	10° 3	23° 2	19°27	19°25	22° 9	23°26	2°53	1°39	3° 7	3°47	3°57	S 24
S 25	8 44 23	12°23'38	12°20	21°49	11°16	22°57	19°33	19°20	22° 9	23°25	2°54	1°29	3° 4	3°54	4° 2	S 25
M26	8 48 20	13°24'17	24°12	21° 1	12°30	22°51	19°39	19°15	22° 9	23°23	2°56	1°19	3° 1	4° 1	4° 7	M26
T 27	8 52 16	14°24'53	6♌ 4	20° 6	13°44	22°44	19°45	19°11	22° 9	23°21	2°58	1°10	2°57	4° 7	4°12	T 27
W28	8 56 13	15°25'29	17°55	19° 5	14°58	22°36	19°50	19° 6	22°10	23°20	2°59	1° 2	2°54	4°14	4°17	W28
T 29	9 0 9	16°26'02	29°49	18° 0	16°12	22°28	19°56	19° 1	22°10	23°18	3° 1	0°55	2°51	4°21	4°22	T 29
F 30	9 4 6	17°26'34	11♍46	16°52	17°26	22°18	20° 1	18°56	22°10	23°16	3° 3	0°51	2°48	4°27	4°27	F 30
S 31	9 8 2	18♒27'05	23♍49	15♒44	18♑39	22♍ 8	20♏ 6	18♌51	22♉11	23♌15	3♑ 4	0♎49	2♎45	4♌34	4♑32	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s19	11n22	3s23	21s57	1s51	20s44	1n35	6n10	3n 9	15s50	1n 2	15n52	1n24	18n13	0s13	14n 9	0n37	20s53	2n38	1s16	1s44	15n29	17s59	5n32
F 2	22 10	8 9	2 33	21 30	1 47	20 56	1 32	6 7	3 10	15 52	1 2	15 53	1 25	18 13	0 13	14 10	0 37	20 53	2 38	1 13	1 42	15 28	17 58	5 33
S 3	22 2	4 35	1 35	21 2	1 41	21 7	1 29	6 5	3 12	15 55	1 2	15 54	1 25	18 13	0 13	14 10	0 37	20 53	2 38	1 12	1 41	15 27	17 58	5 33
S 4	21 52	0 47	0 33	20 32	1 35	21 18	1 27	6 3	3 14	15 57	1 2	15 56	1 25	18 13	0 13	14 11	0 37	20 53	2 38	1 11	1 40	15 26	17 58	5 33
M 5	21 43	3s 7	0n32	20 1	1 29	21 28	1 24	6 1	3 15	16 0	1 3	15 57	1 25	18 12	0 13	14 11	0 37	20 53	2 38	1 11	1 39	15 25	17 58	5 33
T 6	21 33	6 57	1 38	19 29	1 21	21 38	1 21	5 59	3 17	16 2	1 3	15 59	1 25	18 12	0 13	14 12	0 37	20 53	2 37	1 11	1 37	15 24	17 57	5 34
W 7	21 22	10 35	2 40	18 56	1 13	21 47	1 19	5 57	3 18	16 4	1 3	16 0	1 25	18 12	0 13	14 12	0 37	20 53	2 37	1 11	1 36	15 23	17 57	5 34
T 8	21 11	13 48	3 36	18 21	1 4	21 55	1 16	5 56	3 20	16 7	1 3	16 2	1 26	18 12	0 13	14 13	0 37	20 53	2 37	1 10	1 35	15 22	17 57	5 34
F 9	21 0	16 22	4 21	17 47	0 53	22 3	1 13	5 55	3 22	16 9	1 3	16 3	1 26	18 12	0 13	14 13	0 37	20 53	2 37	1 8	1 34	15 21	17 56	5 34
S 10	20 48	18 0	4 51	17 11	0 43	22 10	1 10	5 54	3 23	16 11	1 3	16 5	1 26	18 11	0 13	14 14	0 37	20 53	2 37	1 5	1 32	15 19	17 56	5 34
S 11	20 36	18 28	5 3	16 36	0 31	22 17	1 7	5 54	3 25	16 13	1 3	16 6	1 26	18 11	0 13	14 14	0 37	20 53	2 37	1 2	1 31	15 18	17 55	5 35
M12	20 24	17 40	4 55	16 0	0 18	22 22	1 4	5 54	3 26	16 15	1 3	16 8	1 26	18 11	0 13	14 15	0 37	20 53	2 37	0 58	1 30	15 17	17 55	5 35
T 13	20 11	15 34	4 25	15 25	0 4	22 28	1 1	5 54	3 28	16 17	1 3	16 9	1 26	18 11	0 13	14 15	0 37	20 53	2 37	0 54	1 29	15 16	17 55	5 35
W14	19 57	12 23	3 36	14 51	0n10	22 32	0 59	5 54	3 30	16 19	1 3	16 11	1 26	18 11	0 13	14 16	0 37	20 53	2 37	0 50	1 27	15 15	17 54	5 36
T 15	19 44	8 25	2 33	14 18	0 25	22 36	0 56	5 55	3 31	16 21	1 4	16 12	1 27	18 11	0 13	14 16	0 37	20 53	2 37	0 48	1 26	15 14	17 54	5 36
F 16	19 30	4 1	1 20	13 46	0 41	22 39	0 53	5 55	3 33	16 23	1 4	16 14	1 27	18 11	0 12	14 17	0 37	20 53	2 37	0 47	1 25	15 13	17 53	5 36
S 17	19 16	0n29	0 5	13 17	0 57	22 42	0 50	5 57	3 34	16 25	1 4	16 15	1 27	18 11	0 12	14 17	0 37	20 54	2 37	0 46	1 23	15 12	17 53	5 36
S 18	19 1	4 49	1s 9	12 50	1 14	22 44	0 47	5 58	3 36	16 27	1 4	16 17	1 27	18 11	0 12	14 18	0 37	20 54	2 37	0 47	1 22	15 11	17 53	5 37
M19	18 46	8 46	2 16	12 26	1 31	22 45	0 44	6 0	3 37	16 29	1 4	16 19	1 27	18 11	0 12	14 18	0 37	20 54	2 37	0 47	1 21	15 10	17 52	5 37
T 20	18 31	12 10	3 15	12 5	1 48	22 45	0 41	6 2	3 39	16 31	1 4	16 20	1 27	18 11	0 12	14 19	0 38	20 54	2 37	0 47	1 20	15 9	17 52	5 37
W21	18 15	14 54	4 2	11 48	2 5	22 45	0 38	6 4	3 41	16 32	1 4	16 22	1 27	18 11	0 12	14 19	0 38	20 54	2 37	0 46	1 18	15 8	17 51	5 38
T 22	17 59	16 53	4 37	11 35	2 21	22 44	0 34	6 7	3 42	16 34	1 4	16 23	1 28	18 11	0 12	14 20	0 38	20 54	2 37	0 45	1 17	15 7	17 51	5 38
F 23	17 43	18 4	4 58	11 27	2 37	22 43	0 31	6 10	3 43	16 36	1 5	16 25	1 28	18 11	0 12	14 20	0 38	20 54	2 36	0 43	1 16	15 5	17 50	5 38
S 24	17 26	18 25	5 6	11 22	2 52	22 41	0 28	6 13	3 45	16 37	1 5	16 27	1 28	18 11	0 12	14 21	0 38	20 54	2 36	0 39	1 15	15 4	17 50	5 39
S 25	17 9	17 58	5 1	11 22	3 6	22 38	0 25	6 16	3 46	16 39	1 5	16 28	1 28	18 11	0 12	14 22	0 38	20 54	2 36	0 36	1 13	15 3	17 49	5 39
M26	16 52	16 43	4 43	11 26	3 17	22 34	0 22	6 20	3 48	16 40	1 5	16 30	1 28	18 11	0 12	14 22	0 38	20 54	2 36	0 32	1 12	15 2	17 49	5 39
T 27	16 34	14 45	4 12	11 33	3 27	22 30	0 19	6 24	3 49	16 42	1 5	16 31	1 28	18 11	0 12	14 23	0 38	20 54	2 36	0 28	1 11	15 1	17 48	5 40
W28	16 16	12 10	3 31	11 45	3 35	22 25	0 16	6 28	3 50	16 43	1 5	16 33	1 28	18 11	0 12	14 23	0 38	20 54	2 36	0 25	1 10	15 0	17 48	5 40
T 29	15 58	9 5	2 40	11 59	3 41	22 19	0 13	6 33	3 52	16 44	1 5	16 35	1 28	18 11	0 12	14 24	0 38	20 54	2 36	0 22	1 8	14 59	17 47	5 40
F 30	15 40	5 37	1 41	12 16	3 44	22 13	0 10	6 38	3 53	16 46	1 5	16 36	1 28	18 11	0 12	14 24	0 38	20 54	2 36	0 20	1 7	14 58	17 47	5 41
S 31	15s21	1n53	0s38	12s35	3n46	22s 6	0n 7	6n43	3n54	16s47	1n 6	16n38	1n29	18n11	0s12	14n25	0n38	20s54	2n36	0s20	1s 6	14n57	17s46	5n41

Julian Day Number = 2185290.5, Delta T = 11m10s
Ecliptic obliquity = 23°31'52, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'26, Lahiri = 13°41'26 Julian Calendar 1 Jan. 1271 == Greg. Calendar 8 Jan. 1271

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

FEBRUARY 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 11 59	19♒27'34	6♎ 0	14°R37	19♉53	21°R57	20♏11	18°R46	22♉11	23°R13	3♉ 6	0°D49	2♎41	4♌41	4♉37	S 1
M 2	9 15 55	20°28'02	18°22	13♒32	21° 7	21♍46	20°16	18♌42	22°12	23♌11	3° 8	0♎50	2°38	4°48	4°41	M 2
T 3	9 19 52	21°28'28	0♏59	12°32	22°21	21°33	20°21	18°37	22°12	23°10	3° 9	0°52	2°35	4°54	4°46	T 3
W 4	9 23 49	22°28'53	13°56	11°36	23°35	21°20	20°25	18°32	22°13	23° 8	3°11	0°53	2°32	5° 1	4°51	W 4
T 5	9 27 45	23°29'17	27°14	10°47	24°49	21° 6	20°30	18°27	22°14	23° 6	3°12	0°R53	2°29	5° 8	4°55	T 5
F 6	9 31 42	24°29'39	10♐57	10° 4	26° 3	20°52	20°34	18°22	22°14	23° 5	3°14	0°52	2°26	5°14	5° 0	F 6
S 7	9 35 38	25°30'00	25° 7	9°29	27°17	20°36	20°38	18°17	22°15	23° 3	3°15	0°49	2°22	5°21	5° 4	S 7
S 8	9 39 35	26°30'19	9♑41	9° 0	28°31	20°20	20°42	18°13	22°16	23° 1	3°16	0°45	2°19	5°28	5° 9	S 8
M 9	9 43 31	27°30'37	24°35	8°39	29°45	20° 4	20°46	18° 8	22°17	23° 0	3°18	0°40	2°16	5°34	5°13	M 9
T 10	9 47 28	28°30'53	9♒43	8°26	0♒59	19°46	20°49	18° 3	22°18	22°58	3°19	0°35	2°13	5°41	5°18	T 10
W11	9 51 24	29°31'07	24°54	8°19	2°13	19°28	20°52	17°58	22°19	22°56	3°21	0°31	2°10	5°48	5°22	W11
T 12	9 55 21	0♓31'20	9♓58	8°D18	3°27	19° 9	20°55	17°54	22°20	22°55	3°22	0°28	2° 7	5°55	5°26	T 12
F 13	9 59 18	1°31'30	24°47	8°25	4°41	18°50	20°58	17°49	22°21	22°53	3°23	0°D27	2° 3	6° 1	5°30	F 13
S 14	10 3 14	2°31'39	9♈14	8°37	5°55	18°30	21° 1	17°44	22°22	22°51	3°25	0°27	2° 0	6° 8	5°34	S 14
S 15	10 7 11	3°31'46	23°14	8°55	7° 9	18°10	21° 4	17°40	22°23	22°50	3°26	0°28	1°57	6°15	5°38	S 15
M16	10 11 7	4°31'50	6♉47	9°18	8°23	17°49	21° 6	17°35	22°24	22°48	3°27	0°30	1°54	6°21	5°42	M16
T 17	10 15 4	5°31'52	19°53	9°46	9°37	17°28	21° 8	17°31	22°26	22°46	3°28	0°31	1°51	6°28	5°46	T 17
W18	10 19 0	6°31'52	2♊37	10°19	10°51	17° 7	21°10	17°26	22°27	22°45	3°29	0°R32	1°47	6°35	5°50	W18
T 19	10 22 57	7°31'50	15° 1	10°56	12° 5	16°45	21°12	17°22	22°29	22°43	3°31	0°32	1°44	6°41	5°54	T 19
F 20	10 26 53	8°31'46	27°11	11°37	13°19	16°22	21°14	17°18	22°30	22°41	3°32	0°31	1°41	6°48	5°57	F 20
S 21	10 30 50	9°31'39	9♋10	12°22	14°33	16° 0	21°16	17°13	22°31	22°40	3°33	0°28	1°38	6°55	6° 1	S 21
S 22	10 34 46	10°31'31	21° 3	13°11	15°47	15°37	21°17	17° 9	22°33	22°38	3°34	0°26	1°35	7° 2	6° 5	S 22
M23	10 38 43	11°31'20	2♌53	14° 3	17° 1	15°14	21°18	17° 5	22°35	22°37	3°35	0°22	1°32	7° 8	6° 8	M23
T 24	10 42 40	12°31'06	14°44	14°58	18°15	14°50	21°19	17° 1	22°36	22°35	3°36	0°19	1°28	7°15	6°11	T 24
W25	10 46 36	13°30'51	26°38	15°56	19°29	14°27	21°20	16°57	22°38	22°34	3°37	0°17	1°25	7°22	6°15	W25
T 26	10 50 33	14°30'34	8♍38	16°56	20°43	14° 3	21°20	16°53	22°40	22°32	3°38	0°15	1°22	7°28	6°18	T 26
F 27	10 54 29	15°30'14	20°44	18° 0	21°57	13°40	21°21	16°49	22°41	22°31	3°39	0°14	1°19	7°35	6°21	F 27
S 28	10 58 26	16♓29'52	2♎59	19♒ 5	23♒11	13♍16	21♏21	16♌45	22♉43	22♌29	3♉40	0°D14	1♎16	7♌42	6♉24	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 2	1s58	0n28	12s56	3n44	21s59	0n 5	6n48	3n55	16s48	1n 6	16n40	1n29	18n11	0s12	14n25	0n38	20s54	2n36	0s20	1s 4	14n55	17s46	5n42
M 2	14 43	5 47	1 34	13 18	3 41	21 50	0 2	6 54	3 56	16 49	1 6	16 41	1 29	18 12	0 12	14 26	0 38	20 54	2 36	0 20	1 3	14 54	17 45	5 42
T 3	14 24	9 25	2 37	13 40	3 35	21 41	0s 1	7 0	3 58	16 51	1 6	16 43	1 29	18 12	0 12	14 27	0 38	20 54	2 36	0 21	1 2	14 53	17 44	5 42
W 4	14 4	12 41	3 33	14 2	3 28	21 32	0 4	7 6	3 59	16 52	1 6	16 44	1 29	18 12	0 12	14 27	0 38	20 54	2 36	0 21	1 1	14 52	17 44	5 43
T 5	13 45	15 24	4 20	14 24	3 20	21 22	0 7	7 12	3 59	16 53	1 6	16 46	1 29	18 12	0 12	14 28	0 38	20 54	2 36	0 21	0 59	14 51	17 43	5 43
F 6	13 24	17 20	4 53	14 45	3 10	21 11	0 10	7 19	4 0	16 54	1 6	16 47	1 29	18 12	0 12	14 28	0 38	20 54	2 36	0 21	0 58	14 50	17 43	5 44
S 7	13 4	18 16	5 10	15 5	2 59	20 59	0 13	7 26	4 1	16 55	1 7	16 49	1 29	18 12	0 12	14 29	0 38	20 54	2 36	0 20	0 57	14 49	17 42	5 44
S 8	12 44	18 3	5 8	15 24	2 47	20 47	0 16	7 33	4 2	16 55	1 7	16 51	1 29	18 13	0 12	14 29	0 38	20 54	2 36	0 18	0 56	14 48	17 42	5 45
M 9	12 23	16 36	4 45	15 41	2 34	20 35	0 18	7 40	4 3	16 56	1 7	16 52	1 29	18 13	0 12	14 30	0 38	20 54	2 36	0 16	0 54	14 46	17 41	5 45
T 10	12 2	13 59	4 2	15 57	2 21	20 21	0 21	7 47	4 3	16 57	1 7	16 54	1 29	18 13	0 12	14 31	0 38	20 54	2 36	0 14	0 53	14 45	17 40	5 45
W11	11 41	10 24	3 2	16 12	2 8	20 8	0 24	7 55	4 4	16 58	1 7	16 55	1 29	18 14	0 12	14 31	0 38	20 54	2 36	0 12	0 52	14 44	17 40	5 46
T 12	11 20	6 10	1 50	16 25	1 55	19 53	0 26	8 3	4 4	16 59	1 7	16 57	1 29	18 14	0 12	14 32	0 38	20 54	2 36	0 11	0 50	14 43	17 39	5 46
F 13	10 58	1 36	0 31	16 36	1 41	19 38	0 29	8 11	4 5	16 59	1 7	16 58	1 29	18 14	0 12	14 32	0 38	20 54	2 36	0 11	0 49	14 42	17 39	5 47
S 14	10 37	2n56	0s48	16 46	1 28	19 22	0 32	8 19	4 5	17 0	1 7	17 0	1 29	18 14	0 12	14 33	0 38	20 54	2 36	0 11	0 48	14 41	17 38	5 47
S 15	10 15	7 10	2 2	16 54	1 15	19 6	0 34	8 27	4 5	17 0	1 8	17 1	1 30	18 15	0 12	14 33	0 38	20 54	2 36	0 11	0 47	14 40	17 37	5 48
M16	9 53	10 54	3 7	17 0	1 2	18 50	0 37	8 35	4 5	17 1	1 8	17 3	1 30	18 15	0 12	14 34	0 38	20 54	2 36	0 12	0 45	14 38	17 37	5 48
T 17	9 31	13 56	3 59	17 5	0 49	18 32	0 39	8 44	4 5	17 1	1 8	17 4	1 30	18 15	0 12	14 34	0 38	20 54	2 36	0 12	0 44	14 37	17 36	5 49
W18	9 9	16 13	4 38	17 8	0 36	18 15	0 41	8 52	4 5	17 2	1 8	17 5	1 30	18 16	0 12	14 35	0 38	20 54	2 36	0 13	0 43	14 36	17 35	5 49
T 19	8 47	17 40	5 3	17 10	0 24	17 56	0 44	9 1	4 5	17 2	1 8	17 7	1 30	18 16	0 12	14 35	0 38	20 54	2 36	0 13	0 42	14 35	17 35	5 50
F 20	8 24	18 16	5 14	17 10	0 12	17 37	0 46	9 9	4 5	17 2	1 8	17 8	1 30	18 17	0 12	14 36	0 38	20 54	2 35	0 12	0 40	14 34	17 34	5 50
S 21	8 2	18 2	5 11	17 8	0 1	17 18	0 48	9 18	4 4	17 3	1 8	17 9	1 30	18 17	0 12	14 37	0 38	20 54	2 35	0 11	0 39	14 33	17 33	5 51
S 22	7 39	17 1	4 55	17 5	0s10	16 58	0 51	9 26	4 4	17 3	1 9	17 11	1 30	18 17	0 12	14 37	0 38	20 54	2 35	0 10	0 38	14 32	17 33	5 51
M23	7 16	15 16	4 26	17 0	0 21	16 38	0 53	9 35	4 3	17 3	1 9	17 12	1 30	18 18	0 12	14 38	0 38	20 54	2 35	0 9	0 37	14 30	17 32	5 52
T 24	6 53	12 53	3 46	16 54	0 31	16 17	0 55	9 43	4 3	17 3	1 9	17 13	1 30	18 18	0 12	14 38	0 38	20 54	2 35	0 8	0 35	14 29	17 31	5 52
W25	6 30	9 56	2 55	16 46	0 41	15 56	0 57	9 52	4 2	17 3	1 9	17 15	1 30	18 19	0 12	14 39	0 38	20 54	2 35	0 7	0 34	14 28	17 31	5 53
T 26	6 7	6 34	1 57	16 37	0 50	15 34	0 59	10 0	4 1	17 3	1 9	17 16	1 30	18 19	0 12	14 39	0 38	20 54	2 35	0 6	0 33	14 27	17 30	5 53
F 27	5 44	2 53	0 52	16 26	0 59	15 12	1 1	10 8	4 0	17 3	1 9	17 17	1 30	18 20	0 12	14 40	0 38	20 54	2 35	0 6	0 31	14 26	17 29	5 54
S 28	5s21	0s58	0n15	16s13	1s 7	14s50	1s 3	10n16	3n59	17s 3	1n 9	17n18	1n30	18n20	0s12	14n40	0n38	20s54	2n35	0s 5	0s30	14n25	17s29	5n54

Julian Day Number = 2185321.5, Delta T = 11m10s
Ecliptic obliquity = 23°31'53, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'30, Lahiri = 13°41'30 Julian Calendar 1 Feb. 1271 == Greg. Calendar 8 Feb. 1271

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

MARCH 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 2 22	17♓29'29	15♎25	20♒13	24♒25	12°R53	21°R21	16°R41	22♉45	22°R28	3♑41	0♎14	1♎12	7♌48	6♑27	S 1
M 2	11 6 19	18°29'04	28° 2	21°23	25°39	12♍30	21♏21	16♌37	22°47	22♌26	3°41	0°15	1° 9	7°55	6°30	M 2
T 3	11 10 15	19°28'36	10♏53	22°35	26°53	12° 6	21°20	16°33	22°49	22°25	3°42	0°16	1° 6	8° 2	6°33	T 3
W 4	11 14 12	20°28'07	24° 0	23°50	28° 7	11°43	21°20	16°30	22°51	22°23	3°43	0°17	1° 3	8° 8	6°36	W 4
T 5	11 18 9	21°27'36	7♐23	25° 6	29°20	11°20	21°19	16°26	22°53	22°22	3°44	0°18	1° 0	8°15	6°39	T 5
F 6	11 22 5	22°27'04	21° 4	26°24	0♓34	10°58	21°18	16°23	22°55	22°20	3°44	0°R18	0°57	8°22	6°42	F 6
S 7	11 26 2	23°26'29	5♑ 3	27°43	1°48	10°36	21°17	16°20	22°57	22°19	3°45	0°18	0°53	8°29	6°44	S 7
S 8	11 29 58	24°25'53	19°21	29° 5	3° 2	10°14	21°16	16°16	22°59	22°18	3°46	0°17	0°50	8°35	6°47	S 8
M 9	11 33 55	25°25'15	3♒53	0♓28	4°16	9°52	21°14	16°13	23° 1	22°16	3°46	0°17	0°47	8°42	6°49	M 9
T 10	11 37 51	26°24'36	18°36	1°53	5°30	9°31	21°12	16°10	23° 4	22°15	3°47	0°16	0°44	8°49	6°52	T 10
W11	11 41 48	27°23'54	3♓24	3°19	6°44	9°10	21°10	16° 7	23° 6	22°14	3°48	0°16	0°41	8°55	6°54	W11
T 12	11 45 44	28°23'10	18°10	4°47	7°58	8°50	21° 8	16° 4	23° 8	22°12	3°48	0°16	0°38	9° 2	6°56	T 12
F 13	11 49 41	29°22'25	2♈47	6°16	9°12	8°31	21° 6	16° 1	23°11	22°11	3°49	0°D16	0°34	9° 9	6°58	F 13
S 14	11 53 37	0♈21'37	17° 8	7°47	10°26	8°12	21° 4	15°58	23°13	22°10	3°49	0°R16	0°31	9°15	7° 0	S 14
S 15	11 57 34	1°20'47	1♉ 8	9°20	11°40	7°53	21° 1	15°56	23°15	22° 8	3°50	0°16	0°28	9°22	7° 2	S 15
M16	12 1 31	2°19'55	14°44	10°54	12°54	7°35	20°58	15°53	23°18	22° 7	3°50	0°16	0°25	9°29	7° 4	M16
T 17	12 5 27	3°19'00	27°56	12°29	14° 8	7°18	20°55	15°50	23°20	22° 6	3°50	0°15	0°22	9°35	7° 6	T 17
W18	12 9 24	4°18'03	10♊46	14° 6	15°22	7° 2	20°52	15°48	23°23	22° 5	3°51	0°15	0°18	9°42	7° 8	W18
T 19	12 13 20	5°17'04	23°15	15°44	16°36	6°46	20°49	15°46	23°26	22° 4	3°51	0°15	0°15	9°49	7°10	T 19
F 20	12 17 17	6°16'03	5♋27	17°24	17°50	6°31	20°45	15°44	23°28	22° 3	3°51	0°D14	0°12	9°56	7°11	F 20
S 21	12 21 13	7°14'59	17°28	19° 5	19° 4	6°16	20°42	15°41	23°31	22° 2	3°52	0°15	0° 9	10° 2	7°13	S 21
S 22	12 25 10	8°13'53	29°21	20°48	20°18	6° 3	20°38	15°39	23°33	22° 1	3°52	0°15	0° 6	10° 9	7°14	S 22
M23	12 29 6	9°12'45	11♌11	22°32	21°32	5°50	20°34	15°37	23°36	21°59	3°52	0°16	0° 3	10°16	7°15	M23
T 24	12 33 3	10°11'35	23° 3	24°18	22°45	5°38	20°30	15°36	23°39	21°58	3°52	0°17	29♍59	10°22	7°17	T 24
W25	12 37 0	11°10'22	5♍ 1	26° 6	23°59	5°26	20°26	15°34	23°42	21°57	3°52	0°18	29°56	10°29	7°18	W25
T 26	12 40 56	12° 9'07	17° 7	27°54	25°13	5°16	20°21	15°32	23°45	21°57	3°53	0°19	29°53	10°36	7°19	T 26
F 27	12 44 53	13° 7'50	29°24	29°45	26°27	5° 6	20°16	15°31	23°47	21°56	3°53	0°R19	29°50	10°42	7°20	F 27
S 28	12 48 49	14° 6'30	11♎54	1♈37	27°41	4°57	20°12	15°29	23°50	21°55	3°53	0°19	29°47	10°49	7°21	S 28
S 29	12 52 46	15° 5'09	24°38	3°30	28°55	4°49	20° 7	15°28	23°53	21°54	3°R53	0°18	29°43	10°56	7°22	S 29
M30	12 56 42	16° 3'46	7♏37	5°25	0♈ 9	4°41	20° 2	15°27	23°56	21°53	3°53	0°16	29°40	11° 2	7°22	M30
T 31	13 0 39	17♈ 2'21	20♏50	7♈22	1♈23	4♍34	19♏56	15♌26	23♉59	21♌52	3♑53	0♎14	29♍37	11♌ 9	7♑23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s58	4s49	1n23	16s 0	1s15	14s27	1s 5	10n24	3n58	17s 3	1n10	17n19	1n30	18n21	0s12	14n41	0n38	20s54	2n35	0s 6	0s29	14n23	17s28	5n55
M 2	4 34	8 31	2 28	15 44	1 23	14 4	1 6	10 32	3 57	17 3	1 10	17 21	1 30	18 21	0 12	14 41	0 38	20 54	2 35	0 6	0 28	14 22	17 27	5 55
T 3	4 11	11 52	3 27	15 28	1 30	13 40	1 8	10 40	3 55	17 3	1 10	17 22	1 30	18 22	0 12	14 42	0 38	20 54	2 35	0 6	0 26	14 21	17 27	5 56
W 4	3 47	14 42	4 16	15 9	1 37	13 16	1 10	10 47	3 54	17 2	1 10	17 23	1 30	18 22	0 12	14 42	0 38	20 54	2 35	0 7	0 25	14 20	17 26	5 56
T 5	3 24	16 49	4 52	14 50	1 43	12 52	1 11	10 55	3 52	17 2	1 10	17 24	1 30	18 23	0 12	14 43	0 38	20 54	2 35	0 7	0 24	14 19	17 25	5 57
F 6	3 0	18 1	5 13	14 29	1 49	12 27	1 13	11 2	3 51	17 2	1 10	17 25	1 30	18 23	0 12	14 43	0 38	20 54	2 35	0 7	0 23	14 17	17 25	5 57
S 7	2 37	18 10	5 16	14 6	1 55	12 2	1 14	11 9	3 49	17 1	1 10	17 26	1 30	18 24	0 12	14 43	0 38	20 54	2 35	0 7	0 21	14 16	17 24	5 58
S 8	2 13	17 11	5 0	13 42	2 0	11 36	1 16	11 16	3 47	17 1	1 10	17 27	1 30	18 24	0 12	14 44	0 38	20 54	2 35	0 7	0 20	14 15	17 23	5 58
M 9	1 50	15 4	4 25	13 17	2 4	11 11	1 17	11 22	3 45	17 0	1 11	17 28	1 30	18 25	0 12	14 44	0 38	20 54	2 35	0 7	0 19	14 14	17 23	5 59
T 10	1 26	11 57	3 31	12 50	2 8	10 44	1 18	11 29	3 43	17 0	1 11	17 29	1 30	18 25	0 11	14 45	0 38	20 54	2 35	0 7	0 18	14 13	17 22	6 0
W11	1 2	8 4	2 24	12 22	2 12	10 18	1 20	11 35	3 41	16 59	1 11	17 30	1 30	18 26	0 11	14 45	0 38	20 54	2 35	0 6	0 16	14 12	17 21	6 0
T 12	0 39	3 40	1 7	11 53	2 15	9 52	1 21	11 40	3 39	16 58	1 11	17 30	1 30	18 27	0 11	14 46	0 38	20 54	2 35	0 6	0 15	14 10	17 21	6 1
F 13	0 15	0n54	0s14	11 22	2 17	9 25	1 22	11 46	3 37	16 58	1 11	17 31	1 30	18 27	0 11	14 46	0 38	20 54	2 35	0 6	0 14	14 9	17 20	6 1
S 14	0n 9	5 20	1 32	10 50	2 20	8 58	1 23	11 51	3 35	16 57	1 11	17 32	1 30	18 28	0 11	14 46	0 38	20 54	2 35	0 6	0 12	14 8	17 19	6 2
S 15	0 32	9 22	2 43	10 17	2 21	8 30	1 24	11 56	3 33	16 56	1 11	17 33	1 30	18 29	0 11	14 47	0 38	20 54	2 35	0 6	0 11	14 7	17 19	6 2
M16	0 56	12 46	3 43	9 42	2 23	8 3	1 25	12 0	3 30	16 55	1 11	17 34	1 29	18 29	0 11	14 47	0 38	20 54	2 35	0 6	0 10	14 5	17 18	6 3
T 17	1 19	15 25	4 29	9 6	2 23	7 35	1 26	12 5	3 28	16 54	1 11	17 34	1 29	18 30	0 11	14 48	0 38	20 54	2 35	0 6	0 9	14 4	17 17	6 4
W18	1 43	17 12	4 59	8 29	2 24	7 7	1 26	12 9	3 26	16 54	1 12	17 35	1 29	18 30	0 11	14 48	0 38	20 54	2 35	0 6	0 7	14 3	17 17	6 4
T 19	2 6	18 7	5 15	7 51	2 23	6 39	1 27	12 12	3 23	16 53	1 12	17 36	1 29	18 31	0 11	14 48	0 38	20 54	2 35	0 6	0 6	14 2	17 16	6 5
F 20	2 30	18 9	5 16	7 11	2 23	6 10	1 28	12 16	3 21	16 52	1 12	17 36	1 29	18 32	0 11	14 49	0 38	20 54	2 35	0 6	0 5	14 1	17 15	6 5
S 21	2 53	17 22	5 3	6 30	2 21	5 42	1 28	12 19	3 18	16 51	1 12	17 37	1 29	18 32	0 11	14 49	0 38	20 54	2 35	0 6	0 4	13 59	17 15	6 6
S 22	3 17	15 50	4 38	5 48	2 20	5 13	1 29	12 22	3 16	16 49	1 12	17 37	1 29	18 33	0 11	14 49	0 38	20 54	2 35	0 6	0 2	13 58	17 14	6 6
M23	3 40	13 38	4 0	5 4	2 17	4 44	1 29	12 24	3 13	16 48	1 12	17 38	1 29	18 34	0 11	14 50	0 38	20 54	2 35	0 6	0 1	13 57	17 13	6 7
T 24	4 3	10 51	3 12	4 20	2 15	4 15	1 29	12 26	3 11	16 47	1 12	17 38	1 29	18 35	0 11	14 50	0 38	20 54	2 35	0 7	0n 0	13 56	17 13	6 8
W25	4 26	7 36	2 16	3 34	2 11	3 46	1 30	12 28	3 8	16 46	1 12	17 39	1 29	18 35	0 11	14 50	0 38	20 54	2 35	0 7	0 2	13 55	17 12	6 8
T 26	4 49	4 0	1 13	2 47	2 8	3 17	1 30	12 29	3 5	16 45	1 12	17 39	1 29	18 36	0 11	14 51	0 38	20 54	2 35	0 7	0 3	13 53	17 11	6 9
F 27	5 12	0 10	0 5	1 59	2 3	2 48	1 30	12 31	3 3	16 43	1 12	17 40	1 29	18 37	0 11	14 51	0 38	20 54	2 35	0 8	0 4	13 52	17 11	6 9
S 28	5 35	3s45	1n 4	1 10	1 59	2 18	1 30	12 31	3 0	16 42	1 12	17 40	1 29	18 37	0 11	14 51	0 38	20 54	2 35	0 7	0 5	13 51	17 10	6 10
S 29	5 58	7 33	2 11	0 20	1 53	1 49	1 30	12 32	2 57	16 41	1 12	17 40	1 29	18 38	0 11	14 52	0 38	20 54	2 35	0 7	0 7	13 50	17 10	6 11
M30	6 21	11 5	3 12	0n31	1 48	1 19	1 30	12 32	2 55	16 39	1 12	17 41	1 29	18 39	0 11	14 52	0 38	20 54	2 35	0 6	0 8	13 48	17 9	6 11
T 31	6n43	14s 6	4n 4	1n23	1s41	0s50	1s30	12n32	2n52	16s38	1n13	17n41	1n29	18n40	0s11	14n52	0n38	20s54	2n35	0s 5	0n 9	13n47	17s 8	6n12

Julian Day Number = 2185349.5, Delta T = 11m10s
Ecliptic obliquity = 23°31'53, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'34, Lahiri = 13°41'34 Julian Calendar 1 March 1271 == Greg. Calendar 8 March 1271

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

APRIL 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 4 35	18♈ 0'54	4♐17	9♈20	2♈36	4°R29	19°R51	15°R25	24♉ 2	21°R51	3°R53	0°R11	29♍34	11♌16	7♑24	W 1
T 2	13 8 32	18°59'26	17°57	11°19	3°50	4♍23	19♏46	15♌24	24° 5	21♌51	3♑53	0♎ 9	29°31	11°22	7°24	T 2
F 3	13 12 29	19°57'56	1♑47	13°20	5° 4	4°19	19°40	15°23	24° 8	21°50	3°52	0° 7	29°28	11°29	7°25	F 3
S 4	13 16 25	20°56'24	15°48	15°23	6°18	4°16	19°34	15°22	24°11	21°49	3°52	0°D 6	29°24	11°36	7°25	S 4
S 5	13 20 22	21°54'50	29°58	17°26	7°32	4°13	19°28	15°22	24°14	21°49	3°52	0° 7	29°21	11°43	7°25	S 5
M 6	13 24 18	22°53'15	14♒13	19°31	8°46	4°11	19°22	15°21	24°17	21°48	3°52	0° 7	29°18	11°49	7°25	M 6
T 7	13 28 15	23°51'39	28°33	21°37	9°59	4°10	19°16	15°21	24°20	21°47	3°52	0° 9	29°15	11°56	7°26	T 7
W 8	13 32 11	24°50'01	12♓55	23°45	11°13	4°D 9	19°10	15°21	24°23	21°47	3°51	0°10	29°12	12° 3	7°R26	W 8
T 9	13 36 8	25°48'21	27°14	25°52	12°27	4° 9	19° 4	15°21	24°27	21°46	3°51	0°R11	29° 9	12° 9	7°26	T 9
F 10	13 40 4	26°46'39	11♈26	28° 1	13°41	4°10	18°57	15°D21	24°30	21°46	3°51	0°11	29° 5	12°16	7°25	F 10
S 11	13 44 1	27°44'56	25°27	0♉10	14°55	4°12	18°50	15°21	24°33	21°45	3°50	0° 9	29° 2	12°23	7°25	S 11
S 12	13 47 57	28°43'11	9♉13	2°19	16° 8	4°15	18°44	15°21	24°36	21°45	3°50	0° 6	28°59	12°29	7°25	S 12
M13	13 51 54	29°41'24	22°42	4°28	17°22	4°18	18°37	15°21	24°40	21°44	3°49	0° 1	28°56	12°36	7°24	M13
T 14	13 55 51	0♉39'35	5♊51	6°37	18°36	4°22	18°30	15°21	24°43	21°44	3°49	29♍57	28°53	12°43	7°24	T 14
W15	13 59 47	1°37'44	18°39	8°45	19°50	4°26	18°23	15°22	24°46	21°43	3°49	29°52	28°49	12°49	7°23	W15
T 16	14 3 44	2°35'52	1♋10	10°52	21° 4	4°32	18°16	15°23	24°49	21°43	3°48	29°47	28°46	12°56	7°23	T 16
F 17	14 7 40	3°33'57	13°24	12°58	22°17	4°38	18° 9	15°23	24°53	21°43	3°47	29°44	28°43	13° 3	7°22	F 17
S 18	14 11 37	4°32'01	25°25	15° 3	23°31	4°44	18° 2	15°24	24°56	21°43	3°47	29°42	28°40	13° 9	7°21	S 18
S 19	14 15 33	5°30'02	7♌19	17° 5	24°45	4°52	17°55	15°25	24°59	21°42	3°46	29°D42	28°37	13°16	7°20	S 19
M20	14 19 30	6°28'02	19°10	19° 6	25°59	5° 0	17°47	15°26	25° 3	21°42	3°46	29°42	28°34	13°23	7°19	M20
T 21	14 23 26	7°26'00	1♍ 2	21° 4	27°12	5° 8	17°40	15°27	25° 6	21°42	3°45	29°44	28°30	13°30	7°18	T 21
W22	14 27 23	8°23'56	13° 2	22°59	28°26	5°17	17°32	15°28	25°10	21°42	3°44	29°46	28°27	13°36	7°17	W22
T 23	14 31 20	9°21'50	25°13	24°52	29°40	5°27	17°25	15°30	25°13	21°42	3°44	29°R47	28°24	13°43	7°16	T 23
F 24	14 35 16	10°19'42	7♎38	26°42	0♉53	5°38	17°18	15°31	25°16	21°42	3°43	29°46	28°21	13°50	7°15	F 24
S 25	14 39 13	11°17'33	20°22	28°29	2° 7	5°49	17°10	15°33	25°20	21°42	3°42	29°44	28°18	13°56	7°13	S 25
S 26	14 43 9	12°15'22	3♏24	0♊13	3°21	6° 0	17° 2	15°34	25°23	21°D42	3°41	29°41	28°15	14° 3	7°12	S 26
M27	14 47 6	13°13'09	16°46	1°54	4°35	6°12	16°55	15°36	25°27	21°42	3°41	29°35	28°11	14°10	7°10	M27
T 28	14 51 2	14°10'55	0♐25	3°31	5°48	6°25	16°47	15°38	25°30	21°42	3°40	29°28	28° 8	14°16	7° 9	T 28
W29	14 54 59	15° 8'40	14°18	5° 5	7° 2	6°38	16°40	15°40	25°34	21°42	3°39	29°21	28° 5	14°23	7° 7	W29
T 30	14 58 55	16♉ 6'23	28♐22	6♊36	8♉16	6♍52	16♏32	15♌42	25♉37	21♌42	3♑38	29♍14	28♍ 2	14♌30	7♑ 5	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n 6	16s26	4n44	2n16	1s34	0s20	1s30	12n32	2n49	16s36	1n13	17n41	1n29	18n40	0s11	14n52	0n38	20s54	2n35	0s 5	0n10	13n46	17s 8	6n12
T 2	7 28	17 52	5 8	3 10	1 27	0n10	1 30	12 31	2 47	16 35	1 13	17 41	1 29	18 41	0 11	14 53	0 38	20 54	2 35	0 4	0 12	13 45	17 7	6 13
F 3	7 50	18 16	5 15	4 4	1 19	0 39	1 29	12 30	2 44	16 33	1 13	17 42	1 29	18 42	0 11	14 53	0 38	20 54	2 35	0 3	0 13	13 43	17 6	6 13
S 4	8 12	17 34	5 4	4 59	1 11	1 9	1 29	12 29	2 41	16 32	1 13	17 42	1 28	18 43	0 11	14 53	0 38	20 54	2 35	0 3	0 14	13 42	17 6	6 14
S 5	8 34	15 47	4 34	5 55	1 2	1 39	1 28	12 28	2 39	16 30	1 13	17 42	1 28	18 43	0 11	14 53	0 38	20 54	2 35	0 3	0 15	13 41	17 5	6 15
M 6	8 56	13 0	3 47	6 51	0 53	2 8	1 28	12 26	2 36	16 28	1 13	17 42	1 28	18 44	0 11	14 53	0 38	20 54	2 35	0 3	0 17	13 40	17 5	6 15
T 7	9 18	9 26	2 45	7 47	0 44	2 38	1 27	12 24	2 33	16 27	1 13	17 42	1 28	18 45	0 11	14 54	0 38	20 54	2 35	0 4	0 18	13 38	17 4	6 16
W 8	9 39	5 18	1 34	8 43	0 34	3 8	1 27	12 22	2 31	16 25	1 13	17 42	1 28	18 46	0 11	14 54	0 38	20 54	2 35	0 4	0 19	13 37	17 4	6 16
T 9	10 1	0 52	0 16	9 40	0 24	3 37	1 26	12 19	2 28	16 23	1 13	17 42	1 28	18 47	0 11	14 54	0 38	20 54	2 35	0 4	0 21	13 36	17 3	6 17
F 10	10 22	3n36	1s 1	10 36	0 14	4 7	1 25	12 17	2 26	16 21	1 13	17 42	1 28	18 47	0 11	14 54	0 38	20 54	2 35	0 4	0 22	13 35	17 2	6 18
S 11	10 43	7 48	2 14	11 32	0 3	4 36	1 24	12 14	2 23	16 19	1 13	17 42	1 28	18 48	0 11	14 54	0 38	20 54	2 34	0 4	0 23	13 33	17 2	6 18
S 12	11 4	11 30	3 18	12 27	0n 8	5 5	1 24	12 10	2 20	16 18	1 13	17 42	1 28	18 49	0 11	14 54	0 38	20 54	2 34	0 2	0 24	13 32	17 1	6 19
M13	11 24	14 30	4 9	13 21	0 18	5 34	1 23	12 7	2 18	16 16	1 13	17 42	1 28	18 50	0 11	14 55	0 38	20 54	2 34	0 1	0 26	13 31	17 1	6 19
T 14	11 45	16 41	4 45	14 14	0 29	6 3	1 22	12 3	2 15	16 14	1 13	17 41	1 28	18 51	0 11	14 55	0 38	20 54	2 34	0n 1	0 27	13 30	17 0	6 20
W15	12 5	17 57	5 6	15 6	0 40	6 32	1 21	11 59	2 13	16 12	1 13	17 41	1 28	18 51	0 11	14 55	0 38	20 54	2 34	0 3	0 28	13 28	17 0	6 20
T 16	12 25	18 19	5 12	15 56	0 50	7 1	1 19	11 55	2 10	16 10	1 13	17 41	1 28	18 52	0 11	14 55	0 38	20 54	2 34	0 5	0 29	13 27	16 59	6 21
F 17	12 45	17 49	5 4	16 45	1 0	7 30	1 18	11 50	2 8	16 8	1 13	17 41	1 27	18 53	0 11	14 55	0 38	20 54	2 34	0 6	0 31	13 26	16 59	6 22
S 18	13 5	16 31	4 42	17 32	1 10	7 58	1 17	11 45	2 6	16 6	1 13	17 40	1 27	18 54	0 11	14 55	0 38	20 54	2 34	0 7	0 32	13 24	16 58	6 22
S 19	13 24	14 31	4 8	18 16	1 20	8 27	1 16	11 40	2 3	16 4	1 13	17 40	1 27	18 55	0 11	14 55	0 38	20 54	2 34	0 7	0 33	13 23	16 58	6 23
M20	13 44	11 55	3 23	18 59	1 29	8 55	1 14	11 35	2 1	16 2	1 13	17 40	1 27	18 55	0 11	14 55	0 38	20 54	2 34	0 7	0 35	13 22	16 57	6 23
T 21	14 3	8 48	2 30	19 39	1 37	9 23	1 13	11 30	1 58	16 0	1 13	17 39	1 27	18 56	0 11	14 55	0 38	20 55	2 34	0 6	0 36	13 21	16 57	6 24
W22	14 22	5 18	1 30	20 17	1 45	9 51	1 12	11 24	1 56	15 58	1 13	17 39	1 27	18 57	0 11	14 55	0 38	20 55	2 34	0 6	0 37	13 19	16 56	6 24
T 23	14 40	1 32	0 25	20 53	1 52	10 18	1 10	11 18	1 54	15 56	1 13	17 38	1 27	18 58	0 11	14 55	0 38	20 55	2 34	0 5	0 38	13 18	16 56	6 25
F 24	14 58	2s23	0n43	21 25	1 59	10 45	1 9	11 12	1 51	15 54	1 13	17 38	1 27	18 59	0 11	14 55	0 38	20 55	2 34	0 5	0 40	13 17	16 55	6 25
S 25	15 17	6 18	1 49	21 56	2 5	11 12	1 7	11 6	1 49	15 52	1 13	17 37	1 27	19 0	0 11	14 55	0 38	20 55	2 34	0 6	0 41	13 15	16 55	6 26
S 26	15 34	10 0	2 52	22 24	2 10	11 39	1 5	11 0	1 47	15 50	1 13	17 37	1 27	19 0	0 11	14 55	0 38	20 55	2 34	0 8	0 42	13 14	16 54	6 26
M27	15 52	13 17	3 47	22 49	2 15	12 6	1 4	10 53	1 45	15 48	1 12	17 36	1 27	19 1	0 11	14 55	0 38	20 55	2 34	0 10	0 43	13 13	16 54	6 27
T 28	16 9	15 55	4 30	23 12	2 18	12 32	1 2	10 46	1 42	15 46	1 12	17 35	1 27	19 2	0 11	14 55	0 38	20 55	2 34	0 13	0 45	13 12	16 53	6 28
W29	16 26	17 41	4 58	23 32	2 21	12 58	1 0	10 39	1 40	15 44	1 12	17 35	1 27	19 3	0 11	14 55	0 38	20 55	2 34	0 16	0 46	13 10	16 53	6 28
T 30	16n43	18s23	5n 8	23n51	2n23	13n24	0s58	10n32	1n38	15s41	1n12	17n34	1n26	19n 4	0s11	14n55	0n38	20s55	2n34	0n18	0n47	13n 9	16s52	6n29

Julian Day Number = 2185380.5, Delta T = 11m10s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'38, Lahiri = 13°41'38 Julian Calendar 1 Apr. 1271 == Greg. Calendar 8 Apr. 1271

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

MAY 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 2 52	17♉ 4'06	12♋33	8♊ 3	9♉29	7♍ 6	16°R24	15♌44	25♉41	21♌42	3°R37	29°R 8	27♍59	14♌36	7°R 4	F 1
S 2	15 6 49	18° 1'47	26°47	9°26	10°43	7°21	16♏17	15°46	25°44	21°42	3♋36	29♍ 4	27°55	14°43	7♋ 2	S 2
S 3	15 10 45	18°59'27	11♒ 0	10°46	11°57	7°37	16° 9	15°49	25°48	21°43	3°35	29° 3	27°52	14°50	7° 0	S 3
M 4	15 14 42	19°57'06	25°10	12° 3	13°10	7°52	16° 1	15°51	25°51	21°43	3°34	29°D 2	27°49	14°56	6°58	M 4
T 5	15 18 38	20°54'44	9♓16	13°15	14°24	8° 9	15°54	15°54	25°55	21°43	3°33	29° 3	27°46	15° 3	6°56	T 5
W 6	15 22 35	21°52'21	23°16	14°24	15°38	8°25	15°46	15°56	25°58	21°43	3°32	29°R 4	27°43	15°10	6°54	W 6
T 7	15 26 31	22°49'57	7♈10	15°29	16°52	8°43	15°39	15°59	26° 2	21°44	3°31	29° 4	27°40	15°16	6°51	T 7
F 8	15 30 28	23°47'32	20°56	16°31	18° 5	9° 0	15°31	16° 2	26° 5	21°44	3°30	29° 2	27°36	15°23	6°49	F 8
S 9	15 34 24	24°45'06	4♉32	17°28	19°19	9°18	15°24	16° 5	26° 9	21°45	3°29	28°58	27°33	15°30	6°47	S 9
S 10	15 38 21	25°42'39	17°57	18°21	20°33	9°37	15°16	16° 8	26°12	21°45	3°28	28°51	27°30	15°36	6°44	S 10
M11	15 42 18	26°40'11	1♊ 8	19°11	21°46	9°56	15° 9	16°11	26°16	21°45	3°27	28°42	27°27	15°43	6°42	M11
T 12	15 46 14	27°37'42	14° 4	19°56	23° 0	10°15	15° 1	16°14	26°19	21°46	3°26	28°32	27°24	15°50	6°40	T 12
W13	15 50 11	28°35'12	26°45	20°37	24°14	10°35	14°54	16°17	26°23	21°47	3°25	28°21	27°20	15°57	6°37	W13
T 14	15 54 7	29°32'40	9♋10	21°14	25°27	10°56	14°47	16°21	26°26	21°47	3°24	28°12	27°17	16° 3	6°34	T 14
F 15	15 58 4	0♊30'07	21°21	21°46	26°41	11°16	14°40	16°24	26°30	21°48	3°22	28° 3	27°14	16°10	6°32	F 15
S 16	16 2 0	1°27'33	3♌21	22°14	27°55	11°37	14°33	16°28	26°33	21°48	3°21	27°57	27°11	16°17	6°29	S 16
S 17	16 5 57	2°24'58	15°14	22°37	29° 8	11°59	14°26	16°31	26°37	21°49	3°20	27°54	27° 8	16°23	6°26	S 17
M18	16 9 53	3°22'22	27° 3	22°56	0♊22	12°21	14°19	16°35	26°40	21°50	3°19	27°52	27° 5	16°30	6°23	M18
T 19	16 13 50	4°19'44	8♍55	23°10	1°36	12°43	14°12	16°39	26°44	21°51	3°18	27°D52	27° 1	16°37	6°20	T 19
W20	16 17 47	5°17'06	20°55	23°20	2°49	13° 5	14° 5	16°43	26°47	21°51	3°16	27°52	26°58	16°43	6°17	W20
T 21	16 21 43	6°14'26	3♎ 7	23°25	4° 3	13°28	13°59	16°47	26°51	21°52	3°15	27°R53	26°55	16°50	6°14	T 21
F 22	16 25 40	7°11'45	15°36	23°R25	5°17	13°51	13°52	16°51	26°54	21°53	3°14	27°51	26°52	16°57	6°11	F 22
S 23	16 29 36	8° 9'03	28°27	23°21	6°30	14°15	13°46	16°55	26°58	21°54	3°12	27°48	26°49	17° 3	6° 8	S 23
S 24	16 33 33	9° 6'21	11♏42	23°13	7°44	14°39	13°39	16°59	27° 1	21°55	3°11	27°42	26°46	17°10	6° 5	S 24
M25	16 37 29	10° 3'37	25°21	23° 0	8°58	15° 3	13°33	17° 4	27° 5	21°56	3°10	27°33	26°42	17°17	6° 2	M25
T 26	16 41 26	11° 0'53	9♐22	22°43	10°11	15°28	13°27	17° 8	27° 8	21°57	3° 8	27°23	26°39	17°23	5°59	T 26
W27	16 45 22	11°58'08	23°41	22°23	11°25	15°53	13°21	17°13	27°12	21°57	3° 7	27°12	26°36	17°30	5°55	W27
T 28	16 49 19	12°55'22	8♑12	21°59	12°39	16°18	13°15	17°17	27°15	21°59	3° 6	27° 2	26°33	17°37	5°52	T 28
F 29	16 53 16	13°52'37	22°49	21°33	13°52	16°43	13°10	17°22	27°18	22° 0	3° 4	26°53	26°30	17°43	5°49	F 29
S 30	16 57 12	14°49'50	7♒23	21° 3	15° 6	17° 9	13° 4	17°26	27°22	22° 1	3° 3	26°47	26°26	17°50	5°45	S 30
S 31	17 1 9	15♊47'04	21♒50	20♊32	16♊20	17♍35	12♏59	17♌31	27♉25	22♌ 2	3♋ 1	26♍43	26♍23	17♌57	5♋42	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17n 0	17s58	5n 0	24n 6	2n24	13n49	0s57	10n25	1n36	15s39	1n12	17n33	1n26	19n 5	0s11	14n55	0n38	20s55	2n34	0n21	0n48	13n 8	16s52	6n29
S 2	17 16	16 25	4 33	24 20	2 24	14 14	0 55	10 17	1 34	15 37	1 12	17 33	1 26	19 6	0 11	14 55	0 38	20 55	2 34	0 22	0 50	13 6	16 52	6 30
S 3	17 32	13 51	3 50	24 31	2 24	14 38	0 53	10 10	1 32	15 35	1 12	17 32	1 26	19 6	0 11	14 55	0 38	20 55	2 34	0 23	0 51	13 5	16 51	6 30
M 4	17 48	10 29	2 52	24 40	2 22	15 3	0 51	10 2	1 30	15 33	1 12	17 31	1 26	19 7	0 11	14 55	0 38	20 55	2 34	0 23	0 52	13 4	16 51	6 31
T 5	18 3	6 31	1 45	24 48	2 20	15 27	0 49	9 54	1 27	15 31	1 12	17 30	1 26	19 8	0 11	14 55	0 38	20 55	2 34	0 23	0 54	13 2	16 50	6 31
W 6	18 18	2 12	0 31	24 53	2 17	15 50	0 47	9 46	1 25	15 29	1 12	17 29	1 26	19 9	0 11	14 55	0 37	20 55	2 34	0 22	0 55	13 1	16 50	6 32
T 7	18 33	2n11	0s43	24 56	2 13	16 13	0 45	9 37	1 23	15 27	1 11	17 28	1 26	19 10	0 11	14 54	0 37	20 56	2 34	0 22	0 56	13 0	16 50	6 32
F 8	18 48	6 26	1 55	24 58	2 8	16 36	0 43	9 29	1 21	15 25	1 11	17 27	1 26	19 11	0 11	14 54	0 37	20 56	2 34	0 23	0 57	12 58	16 49	6 32
S 9	19 2	10 17	2 58	24 57	2 2	16 58	0 41	9 20	1 19	15 23	1 11	17 27	1 26	19 11	0 11	14 54	0 37	20 56	2 33	0 25	0 59	12 57	16 49	6 33
S 10	19 16	13 33	3 51	24 56	1 55	17 20	0 38	9 11	1 18	15 21	1 11	17 26	1 26	19 12	0 11	14 54	0 37	20 56	2 33	0 28	1 0	12 56	16 49	6 33
M11	19 29	16 3	4 30	24 52	1 47	17 42	0 36	9 2	1 16	15 19	1 11	17 25	1 26	19 13	0 11	14 54	0 37	20 56	2 33	0 31	1 1	12 55	16 48	6 34
T 12	19 42	17 42	4 55	24 47	1 39	18 3	0 34	8 53	1 14	15 17	1 11	17 24	1 26	19 14	0 11	14 54	0 37	20 56	2 33	0 35	1 2	12 53	16 48	6 34
W13	19 55	18 25	5 4	24 41	1 29	18 23	0 32	8 44	1 12	15 15	1 11	17 22	1 26	19 15	0 11	14 54	0 37	20 56	2 33	0 39	1 4	12 52	16 48	6 35
T 14	20 8	18 15	4 59	24 33	1 19	18 43	0 30	8 35	1 10	15 13	1 11	17 21	1 25	19 16	0 11	14 53	0 37	20 56	2 33	0 43	1 5	12 51	16 47	6 35
F 15	20 20	17 13	4 40	24 24	1 8	19 3	0 27	8 25	1 8	15 11	1 10	17 20	1 25	19 16	0 11	14 53	0 37	20 56	2 33	0 47	1 6	12 49	16 47	6 35
S 16	20 32	15 27	4 9	24 14	0 56	19 22	0 25	8 15	1 6	15 9	1 10	17 19	1 25	19 17	0 11	14 53	0 37	20 56	2 33	0 49	1 7	12 48	16 47	6 36
S 17	20 43	13 2	3 27	24 3	0 43	19 40	0 23	8 5	1 5	15 7	1 10	17 18	1 25	19 18	0 11	14 53	0 37	20 56	2 33	0 50	1 9	12 47	16 47	6 36
M18	20 55	10 5	2 37	23 50	0 30	19 58	0 20	7 55	1 3	15 5	1 10	17 17	1 25	19 19	0 11	14 52	0 37	20 56	2 33	0 51	1 10	12 45	16 46	6 37
T 19	21 5	6 43	1 39	23 37	0 16	20 16	0 18	7 45	1 1	15 3	1 10	17 16	1 25	19 20	0 11	14 52	0 37	20 57	2 33	0 51	1 11	12 44	16 46	6 37
W20	21 16	3 3	0 37	23 23	0 1	20 33	0 16	7 35	0 59	15 1	1 10	17 14	1 25	19 20	0 11	14 52	0 37	20 57	2 33	0 51	1 13	12 43	16 46	6 37
T 21	21 26	0s49	0n28	23 8	0s14	20 49	0 13	7 25	0 58	15 0	1 9	17 13	1 25	19 21	0 11	14 52	0 37	20 57	2 33	0 51	1 14	12 41	16 46	6 38
F 22	21 36	4 44	1 33	22 52	0 30	21 5	0 11	7 14	0 56	14 58	1 9	17 12	1 25	19 22	0 11	14 51	0 37	20 57	2 33	0 51	1 15	12 40	16 45	6 38
S 23	21 45	8 33	2 35	22 35	0 47	21 20	0 9	7 3	0 54	14 56	1 9	17 10	1 25	19 23	0 11	14 51	0 37	20 57	2 33	0 53	1 16	12 38	16 45	6 39
S 24	21 54	12 4	3 31	22 18	1 3	21 35	0 6	6 53	0 53	14 54	1 9	17 9	1 25	19 24	0 11	14 51	0 37	20 57	2 33	0 55	1 18	12 37	16 45	6 39
M25	22 3	15 2	4 16	22 1	1 20	21 49	0 4	6 42	0 51	14 53	1 9	17 8	1 25	19 25	0 11	14 50	0 37	20 57	2 33	0 59	1 19	12 36	16 45	6 39
T 26	22 11	17 13	4 47	21 43	1 37	22 2	0 2	6 31	0 49	14 51	1 8	17 6	1 25	19 25	0 11	14 50	0 37	20 57	2 32	1 3	1 20	12 34	16 45	6 40
W27	22 19	18 22	5 1	21 25	1 54	22 15	0n 1	6 19	0 48	14 49	1 8	17 5	1 25	19 26	0 11	14 50	0 37	20 57	2 32	1 7	1 21	12 33	16 44	6 40
T 28	22 26	18 21	4 56	21 7	2 11	22 27	0 3	6 8	0 46	14 48	1 8	17 3	1 25	19 27	0 11	14 49	0 37	20 57	2 32	1 11	1 23	12 32	16 44	6 40
F 29	22 33	17 8	4 32	20 49	2 27	22 39	0 6	5 57	0 45	14 46	1 8	17 2	1 25	19 28	0 11	14 49	0 37	20 58	2 32	1 15	1 24	12 30	16 44	6 40
S 30	22 40	14 48	3 50	20 31	2 43	22 50	0 8	5 45	0 43	14 45	1 8	17 0	1 24	19 28	0 11	14 49	0 37	20 58	2 32	1 17	1 25	12 29	16 44	6 41
S 31	22n46	11s33	2n53	20n13	2s59	23n 0	0n10	5n34	0n42	14s43	1n 7	16n59	1n24	19n29	0s11	14n48	0n37	20s58	2n32	1n19	1n26	12n28	16s44	6n41

Julian Day Number = 2185410.5, Delta T = 11m10s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'42, Lahiri = 13°41'43 Julian Calendar 1 May 1271 == Greg. Calendar 8 May 1271

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

JUNE 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 5 5	16♊44'17	6♓ 6	19°R59	17♊33	18♍ 1	12°R53	17♌36	27♉29	22♌ 3	3°R 0	26°R41	26♍20	18♌ 3	5°R38	M 1
T 2	17 9 2	17°41'30	20° 9	19♊25	18°47	18°28	12♏48	17°41	27°32	22° 4	2♑59	26♍41	26°17	18°10	5♑35	T 2
W 3	17 12 58	18°38'42	3♈59	18°50	20° 1	18°55	12°43	17°46	27°35	22° 5	2°57	26°41	26°14	18°17	5°31	W 3
T 4	17 16 55	19°35'55	17°37	18°16	21°15	19°22	12°38	17°51	27°39	22° 6	2°56	26°40	26°11	18°23	5°28	T 4
F 5	17 20 51	20°33'08	1♉ 2	17°42	22°28	19°49	12°33	17°56	27°42	22° 8	2°54	26°37	26° 7	18°30	5°24	F 5
S 6	17 24 48	21°30'20	14°16	17°10	23°42	20°17	12°29	18° 2	27°45	22° 9	2°53	26°31	26° 4	18°37	5°21	S 6
S 7	17 28 45	22°27'32	27°18	16°39	24°56	20°45	12°24	18° 7	27°48	22°10	2°51	26°22	26° 1	18°43	5°17	S 7
M 8	17 32 41	23°24'45	10♊ 9	16°11	26° 9	21°13	12°20	18°12	27°52	22°11	2°50	26°10	25°58	18°50	5°13	M 8
T 9	17 36 38	24°21'57	22°48	15°46	27°23	21°42	12°16	18°18	27°55	22°13	2°48	25°58	25°55	18°57	5°10	T 9
W10	17 40 34	25°19'09	5♋16	15°24	28°37	22°10	12°12	18°23	27°58	22°14	2°47	25°44	25°52	19° 3	5° 6	W10
T 11	17 44 31	26°16'20	17°31	15° 6	29°51	22°39	12° 8	18°29	28° 1	22°16	2°45	25°32	25°48	19°10	5° 2	T 11
F 12	17 48 27	27°13'32	29°35	14°51	1♋ 4	23° 8	12° 5	18°34	28° 5	22°17	2°44	25°21	25°45	19°17	4°59	F 12
S 13	17 52 24	28°10'43	11♌31	14°41	2°18	23°38	12° 1	18°40	28° 8	22°18	2°42	25°12	25°42	19°24	4°55	S 13
S 14	17 56 21	29° 7'54	23°21	14°36	3°32	24° 7	11°58	18°46	28°11	22°20	2°41	25° 7	25°39	19°30	4°51	S 14
M15	18 0 17	0♋ 5'04	5♍ 9	14°D35	4°46	24°37	11°55	18°52	28°14	22°21	2°39	25° 4	25°36	19°37	4°47	M15
T 16	18 4 14	1° 2'15	16°59	14°39	5°59	25° 7	11°52	18°57	28°17	22°23	2°38	25° 2	25°32	19°44	4°44	T 16
W17	18 8 10	1°59'25	28°57	14°48	7°13	25°38	11°49	19° 3	28°20	22°24	2°36	25° 2	25°29	19°50	4°40	W17
T 18	18 12 7	2°56'35	11♎ 8	15° 2	8°27	26° 8	11°47	19° 9	28°23	22°26	2°35	25° 2	25°26	19°57	4°36	T 18
F 19	18 16 3	3°53'44	23°37	15°21	9°41	26°39	11°44	19°15	28°26	22°28	2°33	25° 1	25°23	20° 4	4°32	F 19
S 20	18 20 0	4°50'54	6♏29	15°46	10°54	27°10	11°42	19°21	28°29	22°29	2°32	24°58	25°20	20°10	4°29	S 20
S 21	18 23 56	5°48'03	19°48	16°15	12° 8	27°41	11°40	19°28	28°32	22°31	2°30	24°52	25°17	20°17	4°25	S 21
M22	18 27 53	6°45'13	3♐34	16°50	13°22	28°13	11°38	19°34	28°35	22°33	2°29	24°44	25°13	20°24	4°21	M22
T 23	18 31 50	7°42'22	17°48	17°29	14°36	28°44	11°36	19°40	28°38	22°34	2°27	24°34	25°10	20°30	4°17	T 23
W24	18 35 46	8°39'32	2♑24	18°14	15°49	29°16	11°35	19°46	28°41	22°36	2°26	24°24	25° 7	20°37	4°14	W24
T 25	18 39 43	9°36'42	17°16	19° 3	17° 3	29°48	11°33	19°53	28°44	22°38	2°24	24°13	25° 4	20°44	4°10	T 25
F 26	18 43 39	10°33'53	2♒15	19°57	18°17	0♎20	11°32	19°59	28°47	22°39	2°23	24° 5	25° 1	20°50	4° 6	F 26
S 27	18 47 36	11°31'03	17°12	20°57	19°31	0°52	11°31	20° 6	28°50	22°41	2°22	23°58	24°58	20°57	4° 2	S 27
S 28	18 51 32	12°28'15	1♓58	22° 1	20°45	1°25	11°30	20°12	28°52	22°43	2°20	23°54	24°54	21° 4	3°59	S 28
M29	18 55 29	13°25'27	16°28	23° 9	21°58	1°57	11°30	20°19	28°55	22°45	2°19	23°53	24°51	21°10	3°55	M29
T 30	18 59 25	14♋22'39	0♈39	24♊23	23♋12	2♎30	11♏29	20♌25	28♉58	22♌47	2♑17	23°D53	24♍48	21♌17	3♑51	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n52	7s39	1n47	19n56	3s13	23n 9	0n13	5n22	0n40	14s42	1n 7	16n57	1n24	19n30	0s11	14n48	0n37	20s58	2n32	1n19	1n28	12n26	16s44	6n41
T 2	22 58	3 23	0 35	19 40	3 27	23 18	0 15	5 10	0 39	14 41	1 7	16 56	1 24	19 31	0 11	14 48	0 37	20 58	2 32	1 19	1 29	12 25	16 44	6 41
W 3	23 3	1n 0	0s39	19 25	3 40	23 26	0 17	4 58	0 37	14 39	1 7	16 54	1 24	19 32	0 11	14 47	0 37	20 58	2 32	1 19	1 30	12 24	16 44	6 42
T 4	23 7	5 16	1 48	19 10	3 51	23 34	0 20	4 46	0 36	14 38	1 6	16 53	1 24	19 32	0 11	14 47	0 37	20 58	2 32	1 20	1 32	12 22	16 43	6 42
F 5	23 12	9 12	2 51	18 57	4 1	23 41	0 22	4 34	0 34	14 37	1 6	16 51	1 24	19 33	0 11	14 46	0 37	20 58	2 32	1 21	1 33	12 21	16 43	6 42
S 6	23 15	12 37	3 43	18 45	4 10	23 47	0 24	4 22	0 33	14 36	1 6	16 49	1 24	19 34	0 11	14 46	0 37	20 58	2 32	1 24	1 34	12 19	16 43	6 42
S 7	23 19	15 22	4 23	18 35	4 18	23 52	0 26	4 10	0 31	14 35	1 6	16 48	1 24	19 35	0 11	14 46	0 37	20 59	2 32	1 27	1 35	12 18	16 43	6 43
M 8	23 22	17 18	4 49	18 26	4 24	23 57	0 29	3 57	0 30	14 34	1 5	16 46	1 24	19 35	0 10	14 45	0 37	20 59	2 31	1 32	1 37	12 17	16 43	6 43
T 9	23 25	18 21	5 0	18 19	4 28	24 1	0 31	3 45	0 28	14 33	1 5	16 44	1 24	19 36	0 10	14 45	0 37	20 59	2 31	1 37	1 38	12 15	16 43	6 43
W10	23 27	18 30	4 56	18 14	4 31	24 5	0 33	3 32	0 27	14 32	1 5	16 42	1 24	19 37	0 10	14 44	0 37	20 59	2 31	1 42	1 39	12 14	16 43	6 43
T 11	23 29	17 46	4 39	18 10	4 33	24 7	0 35	3 19	0 26	14 31	1 5	16 41	1 24	19 38	0 10	14 44	0 37	20 59	2 31	1 47	1 40	12 13	16 43	6 43
F 12	23 30	16 15	4 9	18 9	4 33	24 9	0 38	3 6	0 24	14 30	1 4	16 39	1 24	19 38	0 10	14 43	0 37	20 59	2 31	1 51	1 42	12 11	16 43	6 43
S 13	23 31	14 3	3 29	18 9	4 32	24 10	0 40	2 53	0 23	14 29	1 4	16 37	1 24	19 39	0 10	14 43	0 37	20 59	2 31	1 55	1 43	12 10	16 43	6 44
S 14	23 32	11 17	2 39	18 11	4 29	24 11	0 42	2 40	0 22	14 28	1 4	16 35	1 24	19 40	0 10	14 42	0 37	20 59	2 31	1 57	1 44	12 8	16 43	6 44
M15	23 32	8 3	1 43	18 14	4 26	24 11	0 44	2 27	0 20	14 27	1 4	16 33	1 24	19 40	0 10	14 42	0 37	21 0	2 31	1 58	1 45	12 7	16 43	6 44
T 16	23 32	4 30	0 43	18 20	4 21	24 10	0 46	2 14	0 19	14 27	1 3	16 31	1 24	19 41	0 10	14 41	0 37	21 0	2 31	1 59	1 47	12 6	16 43	6 44
W17	23 31	0 44	0n21	18 27	4 15	24 8	0 48	2 1	0 18	14 26	1 3	16 30	1 24	19 42	0 10	14 41	0 37	21 0	2 31	1 59	1 48	12 4	16 43	6 44
T 18	23 30	3s 8	1 24	18 35	4 8	24 6	0 50	1 48	0 17	14 26	1 3	16 28	1 24	19 42	0 10	14 40	0 37	21 0	2 30	1 59	1 49	12 3	16 43	6 44
F 19	23 28	6 57	2 25	18 45	4 0	24 2	0 52	1 34	0 15	14 25	1 3	16 26	1 24	19 43	0 10	14 40	0 37	21 0	2 30	1 59	1 51	12 1	16 43	6 44
S 20	23 27	10 34	3 21	18 57	3 51	23 59	0 54	1 21	0 14	14 25	1 2	16 24	1 24	19 44	0 10	14 39	0 37	21 0	2 30	2 1	1 52	12 0	16 43	6 44
S 21	23 24	13 47	4 8	19 9	3 41	23 54	0 56	1 7	0 13	14 24	1 2	16 22	1 24	19 44	0 10	14 39	0 37	21 0	2 30	2 3	1 53	11 59	16 43	6 44
M22	23 21	16 20	4 42	19 23	3 31	23 49	0 58	0 54	0 12	14 24	1 2	16 20	1 24	19 45	0 10	14 38	0 37	21 0	2 30	2 6	1 54	11 57	16 43	6 44
T 23	23 18	18 0	5 0	19 38	3 19	23 43	0 59	0 40	0 10	14 24	1 2	16 18	1 24	19 46	0 10	14 38	0 37	21 1	2 30	2 10	1 56	11 56	16 44	6 44
W24	23 15	18 32	4 59	19 53	3 8	23 36	1 1	0 26	0 9	14 23	1 1	16 16	1 24	19 46	0 10	14 37	0 37	21 1	2 30	2 14	1 57	11 54	16 44	6 44
T 25	23 11	17 49	4 38	20 10	2 56	23 29	1 3	0 12	0 8	14 23	1 1	16 14	1 23	19 47	0 10	14 37	0 37	21 1	2 30	2 18	1 58	11 53	16 44	6 44
F 26	23 7	15 52	3 58	20 26	2 43	23 21	1 4	0s 2	0 7	14 23	1 1	16 12	1 23	19 48	0 10	14 36	0 37	21 1	2 30	2 22	1 59	11 52	16 44	6 44
S 27	23 2	12 51	3 2	20 43	2 30	23 12	1 6	0 16	0 6	14 23	1 1	16 10	1 23	19 48	0 10	14 35	0 37	21 1	2 30	2 24	2 1	11 50	16 44	6 44
S 28	22 57	9 3	1 54	21 1	2 17	23 2	1 8	0 30	0 5	14 23	1 0	16 7	1 23	19 49	0 10	14 35	0 37	21 1	2 29	2 26	2 2	11 49	16 44	6 44
M29	22 51	4 45	0 39	21 18	2 4	22 52	1 9	0 44	0 3	14 23	1 0	16 5	1 23	19 49	0 10	14 34	0 37	21 1	2 29	2 26	2 3	11 47	16 44	6 44
T 30	22n45	0s17	0s36	21n35	1s50	22n41	1n11	0s58	0n 2	14s23	1n 0	16n 3	1n23	19n50	0s10	14n34	0n37	21s 2	2n29	2n26	2n 4	11n46	16s44	6n44

Julian Day Number = 2185441.5, Delta T = 11m10s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'46, Lahiri = 13°41'47 Julian Calendar 1 June 1271 == Greg. Calendar 8 June 1271

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

JULY 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 3 22	15♋19'53	14♈30	25♊41	24♋26	3♎ 3	11°R29	20♌32	29♉ 0	22♌48	2°R16	23°R53	24♍45	21♌24	3°R48	W 1
T 2	19 7 19	16°17'07	28° 2	27° 3	25°40	3°36	11°D29	20°39	29° 3	22°50	2♑14	23♍52	24°42	21°30	3♑44	T 2
F 3	19 11 15	17°14'22	11♉17	28°30	26°54	4°10	11♏29	20°45	29° 6	22°52	2°13	23°50	24°38	21°37	3°41	F 3
S 4	19 15 12	18°11'38	24°16	0♋ 1	28° 7	4°43	11°29	20°52	29° 8	22°54	2°11	23°45	24°35	21°44	3°37	S 4
S 5	19 19 8	19° 8'55	7♊ 1	1°36	29°21	5°17	11°30	20°59	29°11	22°56	2°10	23°38	24°32	21°50	3°33	S 5
M 6	19 23 5	20° 6'12	19°35	3°15	0♌35	5°51	11°31	21° 6	29°13	22°58	2° 8	23°29	24°29	21°57	3°30	M 6
T 7	19 27 1	21° 3'31	1♋58	4°57	1°49	6°25	11°31	21°13	29°16	23° 0	2° 7	23°18	24°26	22° 4	3°26	T 7
W 8	19 30 58	22° 0'50	14°11	6°44	3° 3	6°59	11°32	21°20	29°18	23° 2	2° 6	23° 6	24°23	22°10	3°23	W 8
T 9	19 34 54	22°58'10	26°15	8°33	4°17	7°34	11°34	21°26	29°21	23° 4	2° 4	22°56	24°19	22°17	3°19	T 9
F 10	19 38 51	23°55'31	8♌12	10°26	5°30	8° 8	11°35	21°33	29°23	23° 6	2° 3	22°46	24°16	22°24	3°16	F 10
S 11	19 42 48	24°52'52	20° 3	12°21	6°44	8°43	11°37	21°40	29°25	23° 8	2° 2	22°39	24°13	22°30	3°13	S 11
S 12	19 46 44	25°50'14	1♍51	14°18	7°58	9°18	11°38	21°48	29°28	23°10	2° 0	22°35	24°10	22°37	3° 9	S 12
M13	19 50 41	26°47'37	13°38	16°18	9°12	9°53	11°40	21°55	29°30	23°12	1°59	22°33	24° 7	22°44	3° 6	M13
T 14	19 54 37	27°45'01	25°28	18°19	10°26	10°28	11°42	22° 2	29°32	23°14	1°58	22°D32	24° 4	22°50	3° 3	T 14
W15	19 58 34	28°42'25	7♎25	20°22	11°40	11° 3	11°45	22° 9	29°34	23°16	1°56	22°33	24° 0	22°57	3° 0	W15
T 16	20 2 30	29°39'50	19°35	22°26	12°54	11°39	11°47	22°16	29°37	23°18	1°55	22°34	23°57	23° 4	2°57	T 16
F 17	20 6 27	0♌37'15	2♏ 2	24°30	14° 7	12°14	11°50	22°23	29°39	23°20	1°54	22°R34	23°54	23°10	2°53	F 17
S 18	20 10 23	1°34'41	14°51	26°35	15°21	12°50	11°52	22°31	29°41	23°22	1°52	22°33	23°51	23°17	2°50	S 18
S 19	20 14 20	2°32'09	28° 6	28°40	16°35	13°26	11°55	22°38	29°43	23°24	1°51	22°31	23°48	23°24	2°47	S 19
M20	20 18 17	3°29'37	11♐51	0♌44	17°49	14° 2	11°59	22°45	29°45	23°26	1°50	22°26	23°44	23°30	2°44	M20
T 21	20 22 13	4°27'05	26° 4	2°49	19° 3	14°38	12° 2	22°52	29°47	23°28	1°49	22°20	23°41	23°37	2°41	T 21
W22	20 26 10	5°24'35	10♑43	4°52	20°17	15°15	12° 5	23° 0	29°49	23°30	1°48	22°13	23°38	23°44	2°39	W22
T 23	20 30 6	6°22'06	25°43	6°55	21°31	15°51	12° 9	23° 7	29°50	23°33	1°46	22° 6	23°35	23°50	2°36	T 23
F 24	20 34 3	7°19'38	10♒54	8°57	22°44	16°28	12°13	23°15	29°52	23°35	1°45	22° 0	23°32	23°57	2°33	F 24
S 25	20 37 59	8°17'11	26° 6	10°58	23°58	17° 4	12°17	23°22	29°54	23°37	1°44	21°56	23°29	24° 4	2°30	S 25
S 26	20 41 56	9°14'45	11♓ 9	12°57	25°12	17°41	12°21	23°29	29°56	23°39	1°43	21°54	23°25	24°10	2°28	S 26
M27	20 45 52	10°12'21	25°56	14°56	26°26	18°18	12°25	23°37	29°57	23°41	1°42	21°D53	23°22	24°17	2°25	M27
T 28	20 49 49	11° 9'58	10♈21	16°53	27°40	18°55	12°30	23°44	29°59	23°43	1°41	21°54	23°19	24°24	2°23	T 28
W29	20 53 46	12° 7'37	24°22	18°49	28°54	19°33	12°34	23°52	0♊ 1	23°46	1°40	21°56	23°16	24°30	2°20	W29
T 30	20 57 42	13° 5'17	7♉58	20°43	0♍ 7	20°10	12°39	23°59	0° 2	23°48	1°39	21°R57	23°13	24°37	2°18	T 30
F 31	21 1 39	14♌ 2'59	21♉11	22♌36	1♍21	20♎48	12♏44	24♌ 7	0♊ 4	23♌50	1♑38	21♍57	23♍ 9	24♌44	2♑15	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n39	4n 5	1s48	21n51	1s36	22n30	1n12	1s12	0n 1	14s23	1n 0	16n 1	1n23	19n51	0s10	14n33	0n37	21s 2	2n29	2n26	2n 6	11n44	16s45	6n44
T 2	22 32	8 9	2 51	22 7	1 23	22 18	1 13	1 26	0s 0	14 24	0 59	15 59	1 23	19 51	0 10	14 32	0 37	21 2	2 29	2 27	2 7	11 43	16 45	6 44
F 3	22 25	11 43	3 44	22 23	1 9	22 5	1 15	1 41	0 1	14 24	0 59	15 57	1 23	19 52	0 10	14 32	0 37	21 2	2 29	2 27	2 8	11 42	16 45	6 44
S 4	22 17	14 38	4 25	22 37	0 55	21 51	1 16	1 55	0 2	14 24	0 59	15 55	1 23	19 52	0 10	14 31	0 37	21 2	2 29	2 29	2 9	11 40	16 45	6 44
S 5	22 9	16 47	4 51	22 50	0 42	21 37	1 17	2 9	0 3	14 25	0 59	15 52	1 23	19 53	0 10	14 31	0 37	21 2	2 29	2 32	2 11	11 39	16 45	6 44
M 6	22 1	18 5	5 3	23 1	0 29	21 23	1 18	2 24	0 4	14 25	0 58	15 50	1 23	19 54	0 10	14 30	0 37	21 2	2 28	2 36	2 12	11 37	16 45	6 44
T 7	21 52	18 31	5 0	23 11	0 16	21 7	1 19	2 38	0 5	14 26	0 58	15 48	1 23	19 54	0 10	14 29	0 37	21 3	2 28	2 40	2 13	11 36	16 46	6 44
W 8	21 43	18 4	4 44	23 18	0 3	20 51	1 21	2 53	0 6	14 26	0 58	15 46	1 23	19 55	0 10	14 29	0 37	21 3	2 28	2 45	2 15	11 34	16 46	6 43
T 9	21 34	16 49	4 14	23 24	0n 9	20 35	1 22	3 8	0 7	14 27	0 57	15 44	1 23	19 55	0 10	14 28	0 37	21 3	2 28	2 49	2 16	11 33	16 46	6 43
F 10	21 24	14 50	3 34	23 28	0 20	20 18	1 22	3 22	0 9	14 28	0 57	15 41	1 23	19 56	0 10	14 27	0 37	21 3	2 28	2 53	2 17	11 32	16 46	6 43
S 11	21 14	12 15	2 45	23 29	0 31	20 0	1 23	3 37	0 10	14 28	0 57	15 39	1 23	19 56	0 10	14 27	0 37	21 3	2 28	2 55	2 18	11 30	16 47	6 43
S 12	21 4	9 10	1 49	23 27	0 42	19 42	1 24	3 52	0 11	14 29	0 57	15 37	1 23	19 57	0 10	14 26	0 37	21 3	2 28	2 57	2 20	11 29	16 47	6 43
M13	20 53	5 44	0 48	23 23	0 51	19 23	1 25	4 6	0 12	14 30	0 56	15 34	1 23	19 57	0 10	14 25	0 37	21 3	2 28	2 58	2 21	11 27	16 47	6 43
T 14	20 41	2 3	0n16	23 16	1 0	19 4	1 25	4 21	0 13	14 31	0 56	15 32	1 23	19 58	0 10	14 25	0 37	21 4	2 27	2 58	2 22	11 26	16 47	6 43
W15	20 30	1s44	1 19	23 7	1 8	18 44	1 26	4 36	0 14	14 32	0 56	15 30	1 23	19 58	0 10	14 24	0 37	21 4	2 27	2 58	2 23	11 24	16 48	6 42
T 16	20 18	5 31	2 20	22 54	1 16	18 24	1 27	4 51	0 14	14 33	0 56	15 27	1 23	19 59	0 10	14 23	0 37	21 4	2 27	2 58	2 25	11 23	16 48	6 42
F 17	20 6	9 9	3 17	22 39	1 22	18 3	1 27	5 6	0 15	14 34	0 55	15 25	1 23	19 59	0 10	14 23	0 37	21 4	2 27	2 58	2 26	11 21	16 48	6 42
S 18	19 53	12 28	4 4	22 22	1 28	17 41	1 28	5 20	0 16	14 35	0 55	15 23	1 24	19 59	0 10	14 22	0 37	21 4	2 27	2 58	2 27	11 20	16 48	6 42
S 19	19 40	15 15	4 41	22 2	1 33	17 19	1 28	5 35	0 17	14 36	0 55	15 20	1 24	20 0	0 10	14 21	0 37	21 4	2 27	2 59	2 28	11 19	16 49	6 41
M20	19 27	17 17	5 3	21 39	1 37	16 57	1 28	5 50	0 18	14 37	0 55	15 18	1 24	20 0	0 10	14 21	0 37	21 5	2 27	3 1	2 30	11 17	16 49	6 41
T 21	19 13	18 21	5 8	21 14	1 41	16 34	1 28	6 5	0 19	14 38	0 54	15 16	1 24	20 1	0 10	14 20	0 37	21 5	2 26	3 3	2 31	11 16	16 49	6 41
W22	18 59	18 14	4 53	20 47	1 43	16 11	1 29	6 20	0 20	14 40	0 54	15 13	1 24	20 1	0 10	14 19	0 37	21 5	2 26	3 6	2 32	11 14	16 50	6 41
T 23	18 45	16 52	4 17	20 18	1 45	15 47	1 29	6 35	0 21	14 41	0 54	15 11	1 24	20 2	0 10	14 18	0 37	21 5	2 26	3 9	2 33	11 13	16 50	6 40
F 24	18 31	14 18	3 24	19 48	1 46	15 23	1 29	6 50	0 22	14 43	0 54	15 8	1 24	20 2	0 10	14 18	0 37	21 5	2 26	3 11	2 35	11 11	16 50	6 40
S 25	18 16	10 45	2 15	19 15	1 46	14 58	1 29	7 5	0 23	14 44	0 53	15 6	1 24	20 2	0 10	14 17	0 37	21 5	2 26	3 13	2 36	11 10	16 51	6 40
S 26	18 1	6 31	0 58	18 41	1 46	14 34	1 28	7 20	0 24	14 45	0 53	15 4	1 24	20 3	0 10	14 16	0 37	21 6	2 26	3 14	2 37	11 8	16 51	6 40
M27	17 45	1 57	0s22	18 6	1 45	14 8	1 28	7 35	0 25	14 47	0 53	15 1	1 24	20 3	0 10	14 16	0 37	21 6	2 26	3 14	2 39	11 7	16 51	6 39
T 28	17 29	2n36	1 39	17 29	1 44	13 42	1 28	7 50	0 25	14 49	0 53	14 59	1 24	20 3	0 10	14 15	0 37	21 6	2 25	3 13	2 40	11 5	16 52	6 39
W29	17 13	6 53	2 47	16 51	1 42	13 16	1 28	8 5	0 26	14 50	0 52	14 56	1 24	20 4	0 10	14 14	0 37	21 6	2 25	3 13	2 41	11 4	16 52	6 39
T 30	16 57	10 41	3 45	16 13	1 39	12 50	1 27	8 20	0 27	14 52	0 52	14 54	1 24	20 4	0 10	14 13	0 37	21 6	2 25	3 12	2 42	11 2	16 52	6 38
F 31	16n41	13n49	4s28	15n33	1n36	12n23	1n27	8s35	0s28	14s54	0n52	14n51	1n24	20n 4	0s10	14n13	0n37	21s 6	2n25	3n12	2n44	11n 1	16s53	6n38

Julian Day Number = 2185471.5, Delta T = 11m10s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'50, Lahiri = 13°41'51 Julian Calendar 1 July 1271 == Greg. Calendar 8 July 1271

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

AUGUST 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 5 35	15♌ 0'43	4♊ 5	24♌28	2♍35	21♎25	12♏49	24♌14	0♊ 5	23♌52	1°R37	21°R55	23♍ 6	24♌50	2°R13	S 1
S 2	21 9 32	15°58'28	16°41	26°18	3°49	22° 3	12°54	24°22	0° 7	23°54	1♑36	21♍52	23° 3	24°57	2♑11	S 2
M 3	21 13 28	16°56'16	29° 3	28° 7	5° 3	22°41	13° 0	24°29	0° 8	23°57	1°35	21°47	23° 0	25° 4	2° 9	M 3
T 4	21 17 25	17°54'04	11♋14	29°54	6°17	23°19	13° 5	24°37	0° 9	23°59	1°34	21°41	22°57	25°10	2° 7	T 4
W 5	21 21 21	18°51'55	23°16	1♍40	7°30	23°57	13°11	24°44	0°10	24° 1	1°33	21°35	22°54	25°17	2° 5	W 5
T 6	21 25 18	19°49'47	5♌11	3°25	8°44	24°35	13°17	24°52	0°12	24° 3	1°32	21°30	22°50	25°24	2° 3	T 6
F 7	21 29 15	20°47'41	17° 2	5° 8	9°58	25°14	13°23	24°59	0°13	24° 6	1°31	21°25	22°47	25°30	2° 1	F 7
S 8	21 33 11	21°45'36	28°51	6°50	11°12	25°52	13°29	25° 7	0°14	24° 8	1°30	21°22	22°44	25°37	1°59	S 8
S 9	21 37 8	22°43'32	10♍38	8°31	12°26	26°31	13°36	25°15	0°15	24°10	1°30	21°20	22°41	25°44	1°57	S 9
M10	21 41 4	23°41'31	22°27	10°10	13°39	27°10	13°42	25°22	0°16	24°12	1°29	21°D19	22°38	25°50	1°56	M10
T 11	21 45 1	24°39'30	4♎21	11°48	14°53	27°48	13°49	25°30	0°17	24°14	1°28	21°20	22°35	25°57	1°54	T 11
W12	21 48 57	25°37'31	16°23	13°25	16° 7	28°27	13°55	25°37	0°18	24°17	1°27	21°21	22°31	26° 3	1°52	W12
T 13	21 52 54	26°35'34	28°35	15° 1	17°21	29° 6	14° 2	25°45	0°19	24°19	1°27	21°23	22°28	26°10	1°51	T 13
F 14	21 56 50	27°33'38	11♏ 4	16°35	18°35	29°46	14° 9	25°52	0°20	24°21	1°26	21°24	22°25	26°17	1°50	F 14
S 15	22 0 47	28°31'44	23°51	18° 8	19°48	0♏25	14°17	26° 0	0°20	24°23	1°25	21°R25	22°22	26°23	1°48	S 15
S 16	22 4 43	29°29'51	7♐ 2	19°40	21° 2	1° 4	14°24	26° 8	0°21	24°26	1°25	21°25	22°19	26°30	1°47	S 16
M17	22 8 40	0♍27'59	20°38	21°10	22°16	1°44	14°31	26°15	0°22	24°28	1°24	21°24	22°15	26°37	1°46	M17
T 18	22 12 37	1°26'09	4♑42	22°39	23°30	2°24	14°39	26°23	0°22	24°30	1°23	21°22	22°12	26°43	1°45	T 18
W19	22 16 33	2°24'21	19°11	24° 7	24°43	3° 3	14°47	26°30	0°23	24°32	1°23	21°20	22° 9	26°50	1°44	W19
T 20	22 20 30	3°22'34	4♒ 3	25°34	25°57	3°43	14°54	26°38	0°24	24°34	1°22	21°17	22° 6	26°57	1°43	T 20
F 21	22 24 26	4°20'48	19°10	26°59	27°11	4°23	15° 2	26°45	0°24	24°37	1°22	21°15	22° 3	27° 3	1°42	F 21
S 22	22 28 23	5°19'05	4♓23	28°23	28°24	5° 3	15°11	26°53	0°24	24°39	1°21	21°14	22° 0	27°10	1°41	S 22
S 23	22 32 19	6°17'23	19°33	29°45	29°38	5°43	15°19	27° 0	0°25	24°41	1°21	21°D14	21°56	27°17	1°41	S 23
M24	22 36 16	7°15'43	4♈30	1♎ 6	0♎52	6°24	15°27	27° 8	0°25	24°43	1°21	21°14	21°53	27°23	1°40	M24
T 25	22 40 12	8°14'05	19° 7	2°26	2° 5	7° 4	15°36	27°15	0°25	24°45	1°20	21°15	21°50	27°30	1°40	T 25
W26	22 44 9	9°12'29	3♉20	3°44	3°19	7°45	15°44	27°23	0°26	24°48	1°20	21°16	21°47	27°37	1°39	W26
T 27	22 48 6	10°10'56	17° 6	5° 1	4°33	8°25	15°53	27°30	0°26	24°50	1°20	21°17	21°44	27°43	1°39	T 27
F 28	22 52 2	11° 9'24	0♊25	6°16	5°46	9° 6	16° 2	27°38	0°26	24°52	1°19	21°17	21°41	27°50	1°39	F 28
S 29	22 55 59	12° 7'55	13°20	7°30	7° 0	9°47	16°11	27°45	0°26	24°54	1°19	21°R17	21°37	27°57	1°38	S 29
S 30	22 59 55	13° 6'28	25°55	8°42	8°14	10°27	16°20	27°53	0°R26	24°56	1°19	21°17	21°34	28° 3	1°38	S 30
M31	23 3 52	14♍ 5'04	8♋12	9♎52	9♎27	11♏ 8	16♏29	28♌ 0	0♊26	24♌58	1♑19	21♍17	21♍31	28♌10	1°D38	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n24	16n11	4s57	14n52	1n33	11n56	1n26	8s50	0s29	14s55	0n52	14n49	1n24	20n 5	0s10	14n12	0n37	21s 7	2n25	3n13	2n45	10n59	16s53	6n38
S 2	16 7	17 43	5 10	14 11	1 29	11 29	1 26	9 5	0 30	14 57	0 51	14 46	1 24	20 5	0 10	14 11	0 37	21 7	2 25	3 14	2 46	10 58	16 54	6 37
M 3	15 49	18 23	5 9	13 30	1 24	11 1	1 25	9 20	0 31	14 59	0 51	14 44	1 24	20 5	0 10	14 11	0 37	21 7	2 24	3 16	2 47	10 57	16 54	6 37
T 4	15 32	18 10	4 54	12 47	1 19	10 33	1 24	9 35	0 31	15 1	0 51	14 41	1 24	20 6	0 10	14 10	0 37	21 7	2 24	3 18	2 49	10 55	16 54	6 37
W 5	15 14	17 9	4 26	12 5	1 14	10 5	1 24	9 49	0 32	15 3	0 51	14 39	1 24	20 6	0 10	14 9	0 37	21 7	2 24	3 21	2 50	10 54	16 55	6 36
T 6	14 55	15 23	3 46	11 22	1 9	9 36	1 23	10 4	0 33	15 5	0 51	14 36	1 24	20 6	0 10	14 8	0 37	21 7	2 24	3 23	2 51	10 52	16 55	6 36
F 7	14 37	12 59	2 57	10 38	1 3	9 7	1 22	10 19	0 34	15 7	0 50	14 34	1 24	20 6	0 10	14 8	0 37	21 8	2 24	3 25	2 52	10 51	16 55	6 36
S 8	14 18	10 3	2 0	9 55	0 57	8 38	1 21	10 34	0 35	15 9	0 50	14 31	1 24	20 7	0 10	14 7	0 37	21 8	2 24	3 26	2 54	10 49	16 56	6 35
S 9	14 0	6 42	0 58	9 11	0 51	8 9	1 20	10 49	0 35	15 11	0 50	14 29	1 24	20 7	0 10	14 6	0 37	21 8	2 24	3 27	2 55	10 48	16 56	6 35
M10	13 40	3 6	0n 6	8 28	0 44	7 39	1 18	11 4	0 36	15 13	0 50	14 26	1 24	20 7	0 10	14 5	0 37	21 8	2 23	3 27	2 56	10 46	16 57	6 34
T 11	13 21	0s39	1 11	7 44	0 37	7 10	1 17	11 18	0 37	15 16	0 49	14 24	1 25	20 7	0 10	14 5	0 37	21 8	2 23	3 27	2 57	10 45	16 57	6 34
W12	13 2	4 24	2 14	7 0	0 30	6 40	1 16	11 33	0 38	15 18	0 49	14 21	1 25	20 7	0 10	14 4	0 37	21 8	2 23	3 26	2 59	10 43	16 58	6 34
T 13	12 42	8 2	3 11	6 17	0 23	6 10	1 15	11 48	0 38	15 20	0 49	14 19	1 25	20 8	0 10	14 3	0 37	21 9	2 23	3 26	3 0	10 42	16 58	6 33
F 14	12 22	11 23	4 1	5 33	0 16	5 40	1 13	12 2	0 39	15 22	0 49	14 16	1 25	20 8	0 10	14 2	0 37	21 9	2 23	3 25	3 1	10 40	16 58	6 33
S 15	12 2	14 17	4 40	4 50	0 8	5 9	1 12	12 17	0 40	15 25	0 49	14 14	1 25	20 8	0 10	14 2	0 37	21 9	2 23	3 25	3 2	10 39	16 59	6 32
S 16	11 42	16 32	5 6	4 7	0 0	4 39	1 10	12 31	0 40	15 27	0 48	14 11	1 25	20 8	0 10	14 1	0 37	21 9	2 22	3 25	3 4	10 37	16 59	6 32
M17	11 21	17 57	5 16	3 24	0s 8	4 8	1 9	12 46	0 41	15 30	0 48	14 9	1 25	20 8	0 10	14 0	0 37	21 9	2 22	3 25	3 5	10 36	17 0	6 31
T 18	11 0	18 20	5 7	2 41	0 16	3 37	1 7	13 0	0 42	15 32	0 48	14 6	1 25	20 8	0 10	14 0	0 37	21 9	2 22	3 26	3 6	10 34	17 0	6 31
W19	10 39	17 32	4 39	1 59	0 24	3 6	1 5	13 15	0 43	15 34	0 48	14 4	1 25	20 8	0 10	13 59	0 37	21 10	2 22	3 27	3 8	10 33	17 1	6 31
T 20	10 18	15 33	3 52	1 17	0 32	2 35	1 4	13 29	0 43	15 37	0 47	14 1	1 25	20 9	0 10	13 58	0 37	21 10	2 22	3 28	3 9	10 31	17 1	6 30
F 21	9 57	12 28	2 48	0 36	0 40	2 4	1 2	13 43	0 44	15 39	0 47	13 59	1 25	20 9	0 10	13 57	0 37	21 10	2 22	3 29	3 10	10 30	17 2	6 30
S 22	9 36	8 31	1 32	0s 5	0 48	1 33	1 0	13 57	0 45	15 42	0 47	13 56	1 25	20 9	0 10	13 57	0 37	21 10	2 21	3 29	3 11	10 28	17 2	6 29
S 23	9 14	4 1	0 9	0 46	0 57	1 2	0 58	14 12	0 45	15 45	0 47	13 54	1 25	20 9	0 10	13 56	0 37	21 10	2 21	3 29	3 13	10 27	17 2	6 29
M24	8 53	0n41	1s13	1 26	1 5	0 31	0 56	14 26	0 46	15 47	0 47	13 51	1 26	20 9	0 10	13 55	0 37	21 10	2 21	3 29	3 14	10 25	17 3	6 28
T 25	8 31	5 13	2 29	2 5	1 13	0s 1	0 54	14 40	0 47	15 50	0 46	13 49	1 26	20 9	0 10	13 54	0 37	21 11	2 21	3 29	3 15	10 23	17 3	6 28
W26	8 9	9 20	3 33	2 44	1 22	0 32	0 52	14 53	0 47	15 53	0 46	13 46	1 26	20 9	0 10	13 54	0 37	21 11	2 21	3 29	3 16	10 22	17 4	6 28
T 27	7 47	12 48	4 23	3 23	1 30	1 3	0 50	15 7	0 48	15 55	0 46	13 44	1 26	20 9	0 10	13 53	0 37	21 11	2 21	3 28	3 18	10 20	17 4	6 27
F 28	7 25	15 29	4 57	4 0	1 38	1 35	0 47	15 21	0 49	15 58	0 46	13 41	1 26	20 9	0 10	13 52	0 38	21 11	2 20	3 28	3 19	10 19	17 5	6 27
S 29	7 2	17 17	5 14	4 37	1 46	2 6	0 45	15 35	0 49	16 1	0 46	13 39	1 26	20 9	0 10	13 52	0 38	21 11	2 20	3 28	3 20	10 17	17 5	6 26
S 30	6 40	18 12	5 16	5 13	1 55	2 37	0 43	15 48	0 50	16 4	0 45	13 36	1 26	20 9	0 10	13 51	0 38	21 11	2 20	3 28	3 21	10 16	17 6	6 26
M31	6n17	18n13	5s 4	5s48	2s 3	3s 8	0n41	16s 2	0s50	16s 6	0n45	13n34	1n26	20n 9	0s10	13n50	0n38	21s12	2n20	3n28	3n23	10n14	17s 6	6n25

Julian Day Number = 2185502.5, Delta T = 11m09s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'55, Lahiri = 13°41'55 Julian Calendar 1 Aug. 1271 == Greg. Calendar 8 Aug. 1271

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

SEPTEMBER 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 7 48	15♍ 3'41	20♋17	11♎ 0	10♎41	11♏50	16♏38	28♑ 7	0°R26	25♑ 0	1°R18	21°R16	21♍28	28♑17	1♉38	T 1
W 2	23 11 45	16° 2'21	2♑13	12° 6	11°54	12°31	16°47	28°15	0♊26	25° 3	1♉18	21♍15	21°25	28°23	1°38	W 2
T 3	23 15 41	17° 1'03	14° 3	13°10	13° 8	13°12	16°57	28°22	0°26	25° 5	1°18	21°14	21°21	28°30	1°39	T 3
F 4	23 19 38	17°59'47	25°51	14°11	14°22	13°53	17° 6	28°29	0°25	25° 7	1°18	21°14	21°18	28°37	1°39	F 4
S 5	23 23 35	18°58'33	7♍39	15°10	15°35	14°35	17°16	28°37	0°25	25° 9	1°18	21°14	21°15	28°43	1°39	S 5
S 6	23 27 31	19°57'21	19°30	16° 7	16°49	15°16	17°26	28°44	0°25	25°11	1°D18	21°D14	21°12	28°50	1°40	S 6
M 7	23 31 28	20°56'12	1♎26	17° 0	18° 2	15°58	17°36	28°51	0°24	25°13	1°18	21°R14	21° 9	28°57	1°40	M 7
T 8	23 35 24	21°55'04	13°29	17°51	19°16	16°40	17°46	28°58	0°24	25°15	1°18	21°14	21° 6	29° 3	1°41	T 8
W 9	23 39 21	22°53'58	25°41	18°38	20°29	17°22	17°56	29° 6	0°23	25°17	1°18	21°14	21° 2	29°10	1°42	W 9
T 10	23 43 17	23°52'54	8♏ 5	19°21	21°43	18° 4	18° 6	29°13	0°23	25°19	1°18	21°13	20°59	29°17	1°42	T 10
F 11	23 47 14	24°51'52	20°41	20° 0	22°56	18°46	18°17	29°20	0°22	25°21	1°18	21°13	20°56	29°23	1°43	F 11
S 12	23 51 10	25°50'52	3♐34	20°35	24°10	19°28	18°27	29°27	0°21	25°23	1°19	21°13	20°53	29°30	1°44	S 12
S 13	23 55 7	26°49'53	16°44	21° 6	25°23	20°10	18°37	29°34	0°21	25°25	1°19	21°12	20°50	29°37	1°45	S 13
M14	23 59 3	27°48'57	0♑15	21°31	26°37	20°52	18°48	29°41	0°20	25°27	1°19	21°D12	20°46	29°43	1°46	M14
T 15	0 3 0	28°48'02	14° 7	21°51	27°50	21°35	18°59	29°48	0°19	25°29	1°19	21°12	20°43	29°50	1°47	T 15
W16	0 6 57	29°47'09	28°21	22° 5	29° 3	22°17	19° 9	29°55	0°18	25°31	1°19	21°13	20°40	29°56	1°49	W16
T 17	0 10 53	0♎46'18	12♒54	22°12	0♏17	23° 0	19°20	0♍ 2	0°17	25°33	1°20	21°14	20°37	0♍ 3	1°50	T 17
F 18	0 14 50	1°45'28	27°43	22°R13	1°30	23°43	19°31	0° 9	0°16	25°35	1°20	21°14	20°34	0°10	1°51	F 18
S 19	0 18 46	2°44'41	12♓41	22° 6	2°43	24°25	19°42	0°15	0°15	25°36	1°21	21°15	20°31	0°16	1°53	S 19
S 20	0 22 43	3°43'55	27°41	21°52	3°57	25° 8	19°53	0°22	0°14	25°38	1°21	21°R15	20°27	0°23	1°54	S 20
M21	0 26 39	4°43'12	12♈34	21°30	5°10	25°51	20° 5	0°29	0°13	25°40	1°21	21°14	20°24	0°30	1°56	M21
T 22	0 30 36	5°42'30	27°13	20°59	6°23	26°34	20°16	0°36	0°12	25°42	1°22	21°13	20°21	0°36	1°58	T 22
W23	0 34 32	6°41'51	11♉32	20°21	7°37	27°17	20°27	0°42	0°11	25°44	1°22	21°11	20°18	0°43	2° 0	W23
T 24	0 38 29	7°41'14	25°25	19°34	8°50	28° 0	20°39	0°49	0°10	25°45	1°23	21° 9	20°15	0°50	2° 2	T 24
F 25	0 42 26	8°40'40	8♊52	18°40	10° 3	28°44	20°50	0°55	0° 9	25°47	1°23	21° 7	20°12	0°56	2° 4	F 25
S 26	0 46 22	9°40'07	21°53	17°39	11°16	29°27	21° 2	1° 2	0° 7	25°49	1°24	21° 5	20° 8	1° 3	2° 6	S 26
S 27	0 50 19	10°39'37	4♋30	16°33	12°29	0♐10	21°13	1° 8	0° 6	25°51	1°25	21° 4	20° 5	1°10	2° 8	S 27
M28	0 54 15	11°39'10	16°49	15°22	13°43	0°54	21°25	1°15	0° 4	25°52	1°25	21°D 4	20° 2	1°16	2°10	M28
T 29	0 58 12	12°38'45	28°52	14° 9	14°56	1°37	21°37	1°21	0° 3	25°54	1°26	21° 5	19°59	1°23	2°12	T 29
W30	1 2 8	13♎38'22	10♑46	12♎55	16♏ 9	2♐21	21♏49	1♍27	0♊ 1	25♑56	1♉27	21♍ 7	19♍56	1♍30	2♉15	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n54	17n25	4s38	6s22	2s11	3s40	0n38	16s15	0s51	16s 9	0n45	13n31	1n26	20n 9	0s10	13n50	0n38	21s12	2n20	3n29	3n24	10n13	17s 7	6n25
W 2	5 32	15 50	4 0	6 55	2 18	4 11	0 36	16 28	0 52	16 12	0 45	13 29	1 26	20 9	0 10	13 49	0 38	21 12	2 20	3 29	3 25	10 11	17 7	6 24
T 3	5 9	13 36	3 12	7 27	2 26	4 42	0 33	16 41	0 52	16 15	0 45	13 26	1 27	20 9	0 10	13 48	0 38	21 12	2 19	3 29	3 26	10 10	17 7	6 24
F 4	4 46	10 49	2 17	7 58	2 34	5 13	0 31	16 54	0 53	16 18	0 44	13 24	1 27	20 9	0 10	13 47	0 38	21 12	2 19	3 29	3 28	10 8	17 8	6 23
S 5	4 23	7 34	1 15	8 28	2 41	5 43	0 28	17 7	0 53	16 21	0 44	13 21	1 27	20 9	0 10	13 47	0 38	21 12	2 19	3 29	3 29	10 7	17 8	6 23
S 6	4 0	4 1	0 10	8 56	2 48	6 14	0 26	17 20	0 54	16 24	0 44	13 19	1 27	20 9	0 10	13 46	0 38	21 13	2 19	3 29	3 30	10 5	17 9	6 22
M 7	3 36	0 17	0n57	9 23	2 55	6 45	0 23	17 33	0 54	16 27	0 44	13 17	1 27	20 9	0 10	13 45	0 38	21 13	2 19	3 29	3 31	10 4	17 9	6 22
T 8	3 13	3s29	2 1	9 49	3 1	7 15	0 20	17 46	0 55	16 30	0 44	13 14	1 27	20 9	0 10	13 45	0 38	21 13	2 19	3 29	3 33	10 2	17 10	6 21
W 9	2 50	7 10	3 0	10 12	3 7	7 46	0 18	17 58	0 55	16 33	0 44	13 12	1 27	20 8	0 10	13 44	0 38	21 13	2 18	3 29	3 34	10 0	17 10	6 21
T 10	2 26	10 35	3 52	10 34	3 13	8 16	0 15	18 10	0 56	16 36	0 43	13 9	1 27	20 8	0 10	13 43	0 38	21 13	2 18	3 30	3 35	9 59	17 11	6 21
F 11	2 3	13 35	4 34	10 54	3 18	8 46	0 12	18 23	0 57	16 39	0 43	13 7	1 28	20 8	0 10	13 43	0 38	21 13	2 18	3 30	3 36	9 57	17 11	6 20
S 12	1 39	15 59	5 3	11 12	3 23	9 16	0 9	18 35	0 57	16 42	0 43	13 5	1 28	20 8	0 10	13 42	0 38	21 14	2 18	3 30	3 38	9 56	17 12	6 20
S 13	1 16	17 37	5 17	11 27	3 27	9 45	0 6	18 47	0 58	16 45	0 43	13 2	1 28	20 8	0 10	13 41	0 38	21 14	2 18	3 30	3 39	9 54	17 12	6 19
M14	0 52	18 18	5 14	11 40	3 30	10 15	0 4	18 59	0 58	16 48	0 43	13 0	1 28	20 8	0 10	13 41	0 38	21 14	2 17	3 30	3 40	9 53	17 13	6 19
T 15	0 29	17 56	4 53	11 49	3 32	10 44	0 1	19 10	0 59	16 51	0 43	12 58	1 28	20 8	0 10	13 40	0 38	21 14	2 17	3 30	3 41	9 51	17 13	6 18
W16	0 5	16 26	4 14	11 56	3 34	11 13	0s 2	19 22	0 59	16 54	0 42	12 55	1 28	20 7	0 10	13 40	0 38	21 14	2 17	3 30	3 43	9 50	17 13	6 18
T 17	0s18	13 51	3 17	12 0	3 35	11 42	0 5	19 33	1 0	16 57	0 42	12 53	1 28	20 7	0 10	13 39	0 38	21 15	2 17	3 29	3 44	9 48	17 14	6 17
F 18	0 42	10 20	2 7	12 0	3 34	12 10	0 8	19 44	1 0	17 0	0 42	12 51	1 28	20 7	0 10	13 38	0 38	21 15	2 17	3 29	3 45	9 47	17 14	6 17
S 19	1 6	6 6	0 47	11 56	3 33	12 38	0 11	19 56	1 0	17 3	0 42	12 48	1 29	20 7	0 10	13 38	0 38	21 15	2 17	3 29	3 46	9 45	17 15	6 16
S 20	1 29	1 28	0s36	11 47	3 30	13 6	0 14	20 6	1 1	17 7	0 42	12 46	1 29	20 7	0 10	13 37	0 38	21 15	2 16	3 29	3 48	9 43	17 15	6 16
M21	1 53	3n13	1 56	11 35	3 25	13 34	0 17	20 17	1 1	17 10	0 42	12 44	1 29	20 6	0 10	13 37	0 38	21 15	2 16	3 29	3 49	9 42	17 16	6 15
T 22	2 17	7 37	3 7	11 17	3 19	14 1	0 20	20 28	1 2	17 13	0 41	12 42	1 29	20 6	0 10	13 36	0 38	21 15	2 16	3 30	3 50	9 40	17 16	6 15
W23	2 40	11 29	4 4	10 55	3 11	14 28	0 23	20 38	1 2	17 16	0 41	12 39	1 29	20 6	0 10	13 35	0 38	21 15	2 16	3 30	3 51	9 39	17 16	6 15
T 24	3 4	14 34	4 45	10 29	3 1	14 54	0 26	20 49	1 3	17 19	0 41	12 37	1 29	20 6	0 10	13 35	0 38	21 16	2 16	3 31	3 53	9 37	17 17	6 14
F 25	3 27	16 46	5 9	9 57	2 50	15 21	0 29	20 59	1 3	17 22	0 41	12 35	1 30	20 5	0 10	13 34	0 38	21 16	2 16	3 32	3 54	9 36	17 17	6 14
S 26	3 51	18 1	5 16	9 21	2 36	15 47	0 32	21 9	1 4	17 26	0 41	12 33	1 30	20 5	0 10	13 34	0 38	21 16	2 15	3 33	3 55	9 34	17 18	6 13
S 27	4 14	18 20	5 8	8 42	2 21	16 12	0 35	21 18	1 4	17 29	0 41	12 31	1 30	20 5	0 10	13 33	0 38	21 16	2 15	3 33	3 56	9 32	17 18	6 13
M28	4 38	17 45	4 45	7 59	2 4	16 37	0 38	21 28	1 4	17 32	0 41	12 28	1 30	20 5	0 10	13 33	0 38	21 16	2 15	3 33	3 58	9 31	17 19	6 12
T 29	5 1	16 23	4 10	7 13	1 46	17 2	0 41	21 37	1 5	17 35	0 40	12 26	1 30	20 4	0 10	13 32	0 38	21 16	2 15	3 33	3 59	9 29	17 19	6 12
W30	5s24	14n19	3s25	6s26	1s26	17s26	0s44	21s46	1s 5	17s38	0n40	12n24	1n30	20n 4	0s10	13n31	0n38	21s17	2n15	3n32	4n 0	9n28	17s19	6n11

Julian Day Number = 2185533.5, Delta T = 11m09s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°34'59, Lahiri = 13°41'59 Julian Calendar 1 Sept. 1271 == Greg. Calendar 8 Sept. 1271

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

OCTOBER 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 6 5	14♎38'01	22♌34	11°R43	17♏22	3♐ 5	22♏ 0	1♍34	29°R59	25♌57	1♑27	21♍ 8	19♍52	1♍36	2♑17	T 1
F 2	1 10 1	15°37'43	4♍22	10♎35	18°35	3°48	22°12	1°40	29♉58	25°59	1°28	21°10	19°49	1°43	2°19	F 2
S 3	1 13 58	16°37'27	16°13	9°32	19°48	4°32	22°25	1°46	29°57	26° 0	1°29	21°R11	19°46	1°50	2°22	S 3
S 4	1 17 55	17°37'12	28° 9	8°37	21° 1	5°16	22°37	1°52	29°55	26° 2	1°30	21°11	19°43	1°56	2°25	S 4
M 5	1 21 51	18°37'00	10♎15	7°52	22°14	6° 0	22°49	1°58	29°53	26° 4	1°31	21° 9	19°40	2° 3	2°27	M 5
T 6	1 25 48	19°36'51	22°32	7°17	23°27	6°44	23° 1	2° 4	29°52	26° 5	1°32	21° 6	19°37	2°10	2°30	T 6
W 7	1 29 44	20°36'43	5♏ 0	6°53	24°40	7°29	23°13	2°10	29°50	26° 6	1°32	21° 2	19°33	2°16	2°33	W 7
T 8	1 33 41	21°36'37	17°42	6°40	25°53	8°13	23°26	2°16	29°48	26° 8	1°33	20°57	19°30	2°23	2°36	T 8
F 9	1 37 37	22°36'33	0♐36	6°D39	27° 6	8°57	23°38	2°21	29°46	26° 9	1°34	20°52	19°27	2°29	2°39	F 9
S 10	1 41 34	23°36'30	13°44	6°48	28°19	9°42	23°51	2°27	29°44	26°11	1°35	20°47	19°24	2°36	2°42	S 10
S 11	1 45 30	24°36'30	27° 4	7° 9	29°32	10°26	24° 3	2°33	29°42	26°12	1°36	20°43	19°21	2°43	2°45	S 11
M12	1 49 27	25°36'31	10♑39	7°39	0♐45	11°11	24°16	2°38	29°41	26°13	1°38	20°40	19°18	2°49	2°48	M12
T 13	1 53 23	26°36'34	24°27	8°18	1°58	11°55	24°28	2°44	29°39	26°15	1°39	20°D39	19°14	2°56	2°52	T 13
W14	1 57 20	27°36'38	8♒28	9° 5	3°10	12°40	24°41	2°49	29°37	26°16	1°40	20°39	19°11	3° 3	2°55	W14
T 15	2 1 17	28°36'44	22°42	10° 0	4°23	13°25	24°54	2°54	29°34	26°17	1°41	20°41	19° 8	3° 9	2°58	T 15
F 16	2 5 13	29°36'52	7♓ 7	11° 1	5°36	14° 9	25° 6	3° 0	29°32	26°19	1°42	20°42	19° 5	3°16	3° 2	F 16
S 17	2 9 10	0♏37'01	21°40	12° 8	6°49	14°54	25°19	3° 5	29°30	26°20	1°43	20°R43	19° 2	3°23	3° 5	S 17
S 18	2 13 6	1°37'12	6♈16	13°19	8° 1	15°39	25°32	3°10	29°28	26°21	1°44	20°42	18°58	3°29	3° 9	S 18
M19	2 17 3	2°37'24	20°51	14°35	9°14	16°24	25°45	3°15	29°26	26°22	1°46	20°39	18°55	3°36	3°12	M19
T 20	2 20 59	3°37'38	5♉17	15°55	10°26	17° 9	25°58	3°20	29°24	26°23	1°47	20°34	18°52	3°43	3°16	T 20
W21	2 24 56	4°37'54	19°28	17°17	11°39	17°54	26°11	3°25	29°22	26°24	1°48	20°27	18°49	3°49	3°20	W21
T 22	2 28 52	5°38'12	3♊19	18°42	12°52	18°39	26°24	3°30	29°19	26°25	1°50	20°19	18°46	3°56	3°24	T 22
F 23	2 32 49	6°38'32	16°47	20° 9	14° 4	19°25	26°37	3°35	29°17	26°26	1°51	20°11	18°43	4° 3	3°28	F 23
S 24	2 36 46	7°38'54	29°51	21°38	15°16	20°10	26°50	3°39	29°15	26°27	1°52	20° 4	18°39	4° 9	3°32	S 24
S 25	2 40 42	8°39'17	12♋31	23° 8	16°29	20°55	27° 3	3°44	29°12	26°28	1°54	19°59	18°36	4°16	3°36	S 25
M26	2 44 39	9°39'43	24°52	24°40	17°41	21°41	27°16	3°48	29°10	26°29	1°55	19°56	18°33	4°23	3°40	M26
T 27	2 48 35	10°40'10	6♌57	26°12	18°53	22°26	27°29	3°53	29° 8	26°30	1°56	19°D54	18°30	4°29	3°44	T 27
W28	2 52 32	11°40'40	18°51	27°46	20° 6	23°12	27°43	3°57	29° 5	26°31	1°58	19°54	18°27	4°36	3°48	W28
T 29	2 56 28	12°41'11	0♍39	29°19	21°18	23°57	27°56	4° 1	29° 3	26°32	1°59	19°55	18°23	4°42	3°52	T 29
F 30	3 0 25	13°41'44	12°27	0♏54	22°30	24°43	28° 9	4° 5	29° 1	26°32	2° 1	19°57	18°20	4°49	3°56	F 30
S 31	3 4 21	14♏42'19	24♍20	2♏28	23♐42	25♐29	28♏23	4♍10	28♉58	26♌33	2♑ 2	19°R57	18♍17	4♍56	4♑ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s47	11n39	2s31	5s40	1s 6	17s50	0s47	21s55	1s 5	17s42	0n40	12n22	1n31	20n 4	0s10	13n31	0n38	21s17	2n15	3n32	4n 1	9n26	17s20	6n11
F 2	6 10	8 32	1 31	4 54	0 45	18 13	0 50	22 4	1 6	17 45	0 40	12 20	1 31	20 3	0 10	13 30	0 38	21 17	2 14	3 31	4 3	9 24	17 20	6 11
S 3	6 34	5 2	0 27	4 10	0 25	18 36	0 53	22 13	1 6	17 48	0 40	12 18	1 31	20 3	0 10	13 30	0 38	21 17	2 14	3 31	4 4	9 23	17 21	6 10
S 4	6 56	1 19	0n38	3 30	0 4	18 59	0 56	22 21	1 7	17 51	0 40	12 16	1 31	20 3	0 10	13 29	0 38	21 17	2 14	3 31	4 5	9 21	17 21	6 10
M 5	7 19	2s30	1 43	2 54	0n15	19 21	0 59	22 29	1 7	17 55	0 40	12 14	1 31	20 2	0 10	13 29	0 38	21 17	2 14	3 31	4 7	9 20	17 21	6 9
T 6	7 42	6 16	2 44	2 24	0 33	19 42	1 2	22 37	1 7	17 58	0 39	12 12	1 31	20 2	0 10	13 28	0 38	21 18	2 14	3 32	4 8	9 18	17 22	6 9
W 7	8 5	9 49	3 38	1 59	0 50	20 3	1 5	22 45	1 8	18 1	0 39	12 10	1 32	20 1	0 10	13 28	0 38	21 18	2 14	3 34	4 9	9 17	17 22	6 8
T 8	8 27	12 59	4 22	1 39	1 5	20 24	1 8	22 53	1 8	18 4	0 39	12 8	1 32	20 1	0 10	13 27	0 38	21 18	2 13	3 36	4 10	9 15	17 22	6 8
F 9	8 50	15 35	4 53	1 26	1 19	20 44	1 11	23 0	1 8	18 7	0 39	12 6	1 32	20 1	0 10	13 27	0 38	21 18	2 13	3 38	4 12	9 13	17 23	6 8
S 10	9 12	17 25	5 10	1 19	1 31	21 3	1 13	23 7	1 8	18 11	0 39	12 4	1 32	20 0	0 10	13 27	0 38	21 18	2 13	3 40	4 13	9 12	17 23	6 7
S 11	9 34	18 20	5 10	1 18	1 41	21 22	1 16	23 14	1 9	18 14	0 39	12 3	1 32	20 0	0 10	13 26	0 39	21 18	2 13	3 42	4 14	9 10	17 23	6 7
M12	9 56	18 14	4 54	1 22	1 50	21 40	1 19	23 21	1 9	18 17	0 39	12 1	1 33	19 59	0 10	13 26	0 39	21 18	2 13	3 43	4 15	9 9	17 24	6 6
T 13	10 18	17 3	4 20	1 31	1 57	21 58	1 22	23 27	1 9	18 20	0 38	11 59	1 33	19 59	0 10	13 25	0 39	21 19	2 13	3 43	4 17	9 7	17 24	6 6
W14	10 40	14 50	3 30	1 44	2 2	22 15	1 24	23 33	1 10	18 24	0 38	11 57	1 33	19 59	0 10	13 25	0 39	21 19	2 13	3 43	4 18	9 5	17 24	6 6
T 15	11 1	11 41	2 27	2 2	2 6	22 32	1 27	23 39	1 10	18 27	0 38	11 55	1 33	19 58	0 10	13 24	0 39	21 19	2 12	3 42	4 19	9 4	17 25	6 5
F 16	11 23	7 48	1 13	2 24	2 9	22 48	1 30	23 45	1 10	18 30	0 38	11 54	1 33	19 58	0 10	13 24	0 39	21 19	2 12	3 42	4 20	9 2	17 25	6 5
S 17	11 44	3 24	0s 5	2 48	2 11	23 3	1 32	23 50	1 10	18 33	0 38	11 52	1 34	19 57	0 10	13 24	0 39	21 19	2 12	3 42	4 22	9 1	17 25	6 4
S 18	12 5	1n13	1 24	3 16	2 12	23 17	1 35	23 56	1 11	18 36	0 38	11 50	1 34	19 57	0 10	13 23	0 39	21 19	2 12	3 42	4 23	8 59	17 26	6 4
M19	12 26	5 45	2 36	3 45	2 11	23 31	1 37	24 1	1 11	18 40	0 38	11 49	1 34	19 56	0 10	13 23	0 39	21 19	2 12	3 43	4 24	8 57	17 26	6 4
T 20	12 46	9 54	3 38	4 17	2 10	23 45	1 40	24 5	1 11	18 43	0 38	11 47	1 34	19 56	0 10	13 23	0 39	21 20	2 12	3 45	4 25	8 56	17 26	6 3
W21	13 7	13 25	4 25	4 51	2 8	23 57	1 42	24 10	1 11	18 46	0 38	11 45	1 34	19 55	0 10	13 22	0 39	21 20	2 11	3 48	4 27	8 54	17 26	6 3
T 22	13 27	16 4	4 55	5 25	2 5	24 9	1 45	24 14	1 12	18 49	0 37	11 44	1 35	19 55	0 10	13 22	0 39	21 20	2 11	3 51	4 28	8 52	17 27	6 3
F 23	13 47	17 46	5 8	6 1	2 2	24 21	1 47	24 18	1 12	18 52	0 37	11 42	1 35	19 54	0 10	13 22	0 39	21 20	2 11	3 54	4 29	8 51	17 27	6 2
S 24	14 7	18 28	5 4	6 38	1 58	24 31	1 49	24 22	1 12	18 55	0 37	11 41	1 35	19 54	0 10	13 21	0 39	21 20	2 11	3 57	4 30	8 49	17 27	6 2
S 25	14 26	18 12	4 45	7 16	1 54	24 41	1 51	24 25	1 12	18 58	0 37	11 39	1 35	19 53	0 10	13 21	0 39	21 20	2 11	3 59	4 31	8 48	17 27	6 2
M26	14 46	17 5	4 13	7 54	1 49	24 50	1 53	24 28	1 12	19 2	0 37	11 38	1 35	19 53	0 10	13 21	0 39	21 20	2 11	4 0	4 33	8 46	17 28	6 1
T 27	15 5	15 12	3 31	8 32	1 44	24 59	1 56	24 31	1 12	19 5	0 37	11 36	1 36	19 52	0 10	13 20	0 39	21 21	2 11	4 1	4 34	8 44	17 28	6 1
W28	15 24	12 42	2 40	9 11	1 39	25 7	1 58	24 34	1 13	19 8	0 37	11 35	1 36	19 52	0 10	13 20	0 39	21 21	2 10	4 1	4 35	8 43	17 28	6 1
T 29	15 42	9 41	1 42	9 50	1 33	25 14	1 59	24 36	1 13	19 11	0 37	11 34	1 36	19 51	0 10	13 20	0 39	21 21	2 10	4 0	4 36	8 41	17 28	6 0
F 30	16 1	6 18	0 40	10 28	1 27	25 20	2 1	24 38	1 13	19 14	0 37	11 32	1 36	19 51	0 10	13 20	0 39	21 21	2 10	4 0	4 38	8 39	17 28	6 0
S 31	16s19	2n37	0n24	11s 7	1n21	25s26	2s 3	24s40	1s13	19s17	0n36	11n31	1n37	19n50	0s10	13n19	0n39	21s21	2n10	4n 0	4n39	8n38	17s29	6n 0

Julian Day Number = 2185563.5, Delta T = 11m09s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'03, Lahiri = 13°42'04 Julian Calendar 1 Oct. 1271 == Greg. Calendar 8 Oct. 1271

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

NOVEMBER 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 8 18	15♏42'55	6♎22	4♏ 3	24♐54	26♐14	28♏36	4♍13	28°R56	26♎34	2♑ 4	19°R55	18♍14	5♍ 2	4♑ 5	S 1
M 2	3 12 15	16°43'34	18°37	5°38	26° 6	27° 0	28°49	4°17	28♉53	26°35	2° 6	19♍51	18°11	5° 9	4°10	M 2
T 3	3 16 11	17°44'14	1♏ 7	7°13	27°18	27°46	29° 3	4°21	28°51	26°35	2° 7	19°45	18° 8	5°16	4°14	T 3
W 4	3 20 8	18°44'55	13°54	8°48	28°30	28°32	29°16	4°25	28°48	26°36	2° 9	19°36	18° 4	5°22	4°19	W 4
T 5	3 24 4	19°45'38	26°58	10°23	29°42	29°18	29°29	4°29	28°46	26°37	2°10	19°25	18° 1	5°29	4°23	T 5
F 6	3 28 1	20°46'23	10♐16	11°58	0♑54	0♑ 4	29°43	4°32	28°43	26°37	2°12	19°14	17°58	5°36	4°28	F 6
S 7	3 31 57	21°47'08	23°48	13°33	2° 6	0°50	29°56	4°35	28°41	26°38	2°14	19° 3	17°55	5°42	4°32	S 7
S 8	3 35 54	22°47'55	7♑31	15° 8	3°18	1°36	0♐10	4°39	28°38	26°38	2°15	18°54	17°52	5°49	4°37	S 8
M 9	3 39 50	23°48'44	21°21	16°43	4°29	2°22	0°23	4°42	28°36	26°39	2°17	18°48	17°49	5°56	4°42	M 9
T 10	3 43 47	24°49'33	5♒17	18°18	5°41	3° 8	0°37	4°45	28°33	26°39	2°19	18°44	17°45	6° 2	4°47	T 10
W11	3 47 44	25°50'23	19°18	19°53	6°53	3°55	0°50	4°48	28°31	26°39	2°21	18°42	17°42	6° 9	4°52	W11
T 12	3 51 40	26°51'13	3♓23	21°27	8° 4	4°41	1° 4	4°51	28°28	26°40	2°22	18°D42	17°39	6°16	4°56	T 12
F 13	3 55 37	27°52'05	17°31	23° 2	9°15	5°27	1°17	4°54	28°26	26°40	2°24	18°R42	17°36	6°22	5° 1	F 13
S 14	3 59 33	28°52'58	1♈40	24°36	10°27	6°14	1°31	4°57	28°23	26°40	2°26	18°42	17°33	6°29	5° 6	S 14
S 15	4 3 30	29°53'51	15°49	26°11	11°38	7° 0	1°44	4°59	28°21	26°41	2°28	18°39	17°29	6°35	5°11	S 15
M16	4 7 26	0♐54'45	29°56	27°45	12°49	7°47	1°58	5° 2	28°18	26°41	2°30	18°33	17°26	6°42	5°16	M16
T 17	4 11 23	1°55'41	13♉57	29°19	14° 0	8°33	2°11	5° 4	28°15	26°41	2°32	18°25	17°23	6°49	5°22	T 17
W18	4 15 19	2°56'37	27°47	0♐54	15°11	9°20	2°25	5° 7	28°13	26°41	2°33	18°14	17°20	6°55	5°27	W18
T 19	4 19 16	3°57'34	11♊23	2°28	16°22	10° 6	2°38	5° 9	28°10	26°41	2°35	18° 1	17°17	7° 2	5°32	T 19
F 20	4 23 13	4°58'33	24°41	4° 2	17°33	10°53	2°52	5°11	28° 8	26°41	2°37	17°49	17°14	7° 9	5°37	F 20
S 21	4 27 9	5°59'32	7♋40	5°36	18°43	11°39	3° 6	5°13	28° 5	26°41	2°39	17°37	17°10	7°15	5°42	S 21
S 22	4 31 6	7° 0'32	20°18	7°11	19°54	12°26	3°19	5°15	28° 3	26°R41	2°41	17°27	17° 7	7°22	5°47	S 22
M23	4 35 2	8° 1'34	2♌39	8°45	21° 5	13°13	3°33	5°17	28° 0	26°41	2°43	17°19	17° 4	7°29	5°53	M23
T 24	4 38 59	9° 2'36	14°44	10°19	22°15	13°59	3°46	5°18	27°58	26°41	2°45	17°14	17° 1	7°35	5°58	T 24
W25	4 42 55	10° 3'40	26°38	11°54	23°25	14°46	4° 0	5°20	27°55	26°41	2°47	17°12	16°58	7°42	6° 3	W25
T 26	4 46 52	11° 4'44	8♍26	13°28	24°35	15°33	4°13	5°21	27°53	26°41	2°49	17°12	16°55	7°49	6° 9	T 26
F 27	4 50 48	12° 5'49	20°14	15° 3	25°45	16°20	4°27	5°23	27°51	26°41	2°51	17°12	16°51	7°55	6°14	F 27
S 28	4 54 45	13° 6'56	2♎ 8	16°38	26°55	17° 7	4°40	5°24	27°48	26°41	2°53	17°11	16°48	8° 2	6°19	S 28
S 29	4 58 42	14° 8'03	14°11	18°13	28° 5	17°54	4°54	5°25	27°46	26°41	2°55	17° 9	16°45	8° 9	6°25	S 29
M30	5 2 38	15♐ 9'11	26♎31	19♐48	29♑15	18♑40	5♐ 7	5♍26	27♉43	26♎40	2♑57	17♍ 4	16♍42	8♍15	6♑30	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s36	1s12	1n27	11s45	1n14	25s31	2s 5	24s42	1s13	19s20	0n36	11n30	1n37	19n50	0s10	13n19	0n39	21s21	2n10	4n 0	4n40	8n36	17s29	5n59
M 2	16 54	5 3	2 28	12 23	1 8	25 35	2 6	24 43	1 13	19 23	0 36	11 29	1 37	19 49	0 10	13 19	0 39	21 21	2 10	4 2	4 41	8 35	17 29	5 59
T 3	17 11	8 45	3 22	13 1	1 1	25 38	2 8	24 44	1 13	19 26	0 36	11 27	1 37	19 49	0 10	13 19	0 39	21 21	2 10	4 5	4 43	8 33	17 29	5 59
W 4	17 28	12 8	4 8	13 38	0 55	25 41	2 10	24 45	1 14	19 29	0 36	11 26	1 37	19 48	0 10	13 19	0 39	21 21	2 9	4 8	4 44	8 31	17 29	5 59
T 5	17 45	15 0	4 41	14 14	0 48	25 43	2 11	24 45	1 14	19 32	0 36	11 25	1 38	19 48	0 10	13 19	0 39	21 22	2 9	4 12	4 45	8 30	17 29	5 58
F 6	18 1	17 8	5 0	14 50	0 41	25 44	2 12	24 46	1 14	19 35	0 36	11 24	1 38	19 47	0 10	13 18	0 39	21 22	2 9	4 17	4 46	8 28	17 30	5 58
S 7	18 17	18 21	5 3	15 25	0 34	25 44	2 14	24 46	1 14	19 38	0 36	11 23	1 38	19 47	0 10	13 18	0 39	21 22	2 9	4 21	4 48	8 26	17 30	5 58
S 8	18 33	18 31	4 48	16 0	0 27	25 44	2 15	24 45	1 14	19 41	0 36	11 22	1 38	19 46	0 10	13 18	0 39	21 22	2 9	4 24	4 49	8 25	17 30	5 57
M 9	18 48	17 36	4 17	16 34	0 21	25 43	2 16	24 45	1 14	19 44	0 36	11 21	1 39	19 46	0 10	13 18	0 39	21 22	2 9	4 27	4 50	8 23	17 30	5 57
T 10	19 3	15 38	3 30	17 7	0 14	25 41	2 17	24 44	1 14	19 47	0 35	11 20	1 39	19 45	0 10	13 18	0 39	21 22	2 9	4 29	4 51	8 21	17 30	5 57
W11	19 17	12 43	2 30	17 40	0 7	25 39	2 18	24 42	1 14	19 50	0 35	11 19	1 39	19 44	0 10	13 18	0 40	21 22	2 8	4 29	4 53	8 20	17 30	5 57
T 12	19 32	9 3	1 21	18 12	0 0	25 35	2 18	24 41	1 14	19 52	0 35	11 18	1 39	19 44	0 10	13 18	0 40	21 22	2 8	4 29	4 54	8 18	17 30	5 56
F 13	19 46	4 51	0 6	18 43	0s 7	25 31	2 19	24 39	1 14	19 55	0 35	11 18	1 40	19 43	0 10	13 18	0 40	21 22	2 8	4 29	4 55	8 17	17 30	5 56
S 14	19 59	0 23	1s 8	19 13	0 13	25 26	2 20	24 37	1 14	19 58	0 35	11 17	1 40	19 43	0 10	13 17	0 40	21 23	2 8	4 29	4 56	8 15	17 30	5 56
S 15	20 12	4n 7	2 19	19 42	0 20	25 21	2 20	24 35	1 14	20 1	0 35	11 16	1 40	19 42	0 10	13 17	0 40	21 23	2 8	4 30	4 58	8 13	17 30	5 56
M16	20 25	8 22	3 20	20 10	0 26	25 15	2 21	24 32	1 14	20 4	0 35	11 15	1 40	19 42	0 10	13 17	0 40	21 23	2 8	4 33	4 59	8 12	17 30	5 56
T 17	20 38	12 7	4 9	20 37	0 33	25 8	2 21	24 29	1 14	20 7	0 35	11 15	1 41	19 41	0 10	13 17	0 40	21 23	2 8	4 36	5 0	8 10	17 30	5 55
W18	20 50	15 9	4 43	21 3	0 39	25 0	2 21	24 26	1 14	20 9	0 35	11 14	1 41	19 41	0 10	13 17	0 40	21 23	2 7	4 40	5 1	8 8	17 30	5 55
T 19	21 1	17 18	4 59	21 29	0 45	24 52	2 21	24 23	1 14	20 12	0 35	11 14	1 41	19 40	0 10	13 17	0 40	21 23	2 7	4 45	5 3	8 7	17 30	5 55
F 20	21 13	18 27	4 59	21 53	0 51	24 43	2 21	24 19	1 14	20 15	0 35	11 13	1 41	19 39	0 10	13 17	0 40	21 23	2 7	4 50	5 4	8 5	17 30	5 55
S 21	21 23	18 36	4 43	22 16	0 57	24 33	2 21	24 15	1 14	20 17	0 35	11 13	1 42	19 39	0 10	13 17	0 40	21 23	2 7	4 55	5 5	8 3	17 30	5 55
S 22	21 34	17 48	4 14	22 38	1 3	24 22	2 21	24 11	1 14	20 20	0 34	11 12	1 42	19 38	0 10	13 17	0 40	21 23	2 7	4 59	5 6	8 2	17 30	5 54
M23	21 44	16 11	3 33	22 59	1 9	24 11	2 21	24 6	1 14	20 23	0 34	11 12	1 42	19 38	0 10	13 17	0 40	21 23	2 7	5 2	5 8	8 0	17 30	5 54
T 24	21 53	13 53	2 43	23 18	1 14	24 0	2 20	24 1	1 14	20 25	0 34	11 11	1 42	19 37	0 10	13 17	0 40	21 23	2 7	5 4	5 9	7 58	17 30	5 54
W25	22 3	11 1	1 47	23 37	1 20	23 47	2 20	23 56	1 14	20 28	0 34	11 11	1 43	19 37	0 10	13 18	0 40	21 24	2 7	5 4	5 10	7 57	17 30	5 54
T 26	22 11	7 43	0 46	23 54	1 25	23 34	2 19	23 51	1 14	20 31	0 34	11 11	1 43	19 36	0 10	13 18	0 40	21 24	2 6	5 5	5 11	7 55	17 30	5 54
F 27	22 20	4 8	0n16	24 10	1 30	23 20	2 18	23 45	1 14	20 33	0 34	11 10	1 43	19 36	0 10	13 18	0 40	21 24	2 6	5 5	5 13	7 53	17 30	5 54
S 28	22 28	0 21	1 18	24 25	1 34	23 6	2 17	23 39	1 14	20 36	0 34	11 10	1 43	19 35	0 10	13 18	0 40	21 24	2 6	5 5	5 14	7 52	17 30	5 54
S 29	22 35	3s30	2 18	24 39	1 39	22 51	2 16	23 33	1 14	20 38	0 34	11 10	1 44	19 35	0 10	13 18	0 40	21 24	2 6	5 6	5 15	7 50	17 29	5 53
M30	22s42	7s17	3n12	24s51	1s43	22s35	2s15	23s26	1s14	20s41	0n34	11n10	1n44	19n34	0s10	13n18	0n40	21s24	2n 6	5n 8	5n16	7n48	17s29	5n53

Julian Day Number = 2185594.5, Delta T = 11m09s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'07, Lahiri = 13°42'08 Julian Calendar 1 Nov. 1271 == Greg. Calendar 8 Nov. 1271

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ASTRODIENST EPHEMERIS for the year 1271
geocentric

DECEMBER 1271 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 6 35	16♐10'20	9♏ 9	21♐23	0♒25	19♑27	5♐21	5♍27	27°R41	26°R40	2♑59	16°R56	16♍39	8♍22	6♑36	T 1
W 2	5 10 31	17°11'30	22° 9	22°59	1°34	20°14	5°34	5°28	27♉39	26♌40	3° 1	16♍46	16°35	8°28	6°41	W 2
T 3	5 14 28	18°12'40	5♐31	24°34	2°43	21° 1	5°48	5°29	27°36	26°39	3° 3	16°34	16°32	8°35	6°47	T 3
F 4	5 18 24	19°13'51	19°13	26°10	3°53	21°48	6° 1	5°29	27°34	26°39	3° 5	16°20	16°29	8°42	6°52	F 4
S 5	5 22 21	20°15'02	3♑12	27°46	5° 2	22°35	6°14	5°30	27°32	26°38	3° 7	16° 7	16°26	8°48	6°58	S 5
S 6	5 26 17	21°16'14	17°22	29°22	6°11	23°23	6°28	5°30	27°29	26°38	3° 9	15°56	16°23	8°55	7° 4	S 6
M 7	5 30 14	22°17'26	1♒39	0♑58	7°19	24°10	6°41	5°30	27°27	26°38	3°11	15°48	16°20	9° 2	7° 9	M 7
T 8	5 34 11	23°18'38	15°57	2°34	8°28	24°57	6°54	5°31	27°25	26°37	3°13	15°43	16°16	9° 8	7°15	T 8
W 9	5 38 7	24°19'49	0♓12	4°11	9°36	25°44	7° 8	5°R31	27°23	26°36	3°15	15°40	16°13	9°15	7°20	W 9
T 10	5 42 4	25°21'01	14°22	5°47	10°44	26°31	7°21	5°31	27°20	26°36	3°17	15°D39	16°10	9°22	7°26	T 10
F 11	5 46 0	26°22'13	28°26	7°24	11°53	27°18	7°34	5°30	27°18	26°35	3°19	15°R39	16° 7	9°28	7°32	F 11
S 12	5 49 57	27°23'24	12♈24	9° 0	13° 0	28° 5	7°47	5°30	27°16	26°35	3°21	15°39	16° 4	9°35	7°37	S 12
S 13	5 53 53	28°24'35	26°14	10°36	14° 8	28°53	8° 0	5°30	27°14	26°34	3°23	15°36	16° 1	9°42	7°43	S 13
M14	5 57 50	29°25'46	9♉56	12°12	15°16	29°40	8°14	5°29	27°12	26°33	3°26	15°31	15°57	9°48	7°49	M14
T 15	6 1 46	0♑26'57	23°30	13°48	16°23	0♒27	8°27	5°29	27°10	26°32	3°28	15°22	15°54	9°55	7°54	T 15
W16	6 5 43	1°28'08	6♊54	15°24	17°30	1°14	8°40	5°28	27° 8	26°32	3°30	15°11	15°51	10° 2	8° 0	W16
T 17	6 9 40	2°29'19	20° 7	16°59	18°37	2° 1	8°53	5°27	27° 6	26°31	3°32	14°59	15°48	10° 8	8° 6	T 17
F 18	6 13 36	3°30'29	3♋ 6	18°33	19°43	2°49	9° 6	5°26	27° 4	26°30	3°34	14°46	15°45	10°15	8°12	F 18
S 19	6 17 33	4°31'40	15°50	20° 6	20°50	3°36	9°19	5°25	27° 2	26°29	3°36	14°34	15°41	10°21	8°17	S 19
S 20	6 21 29	5°32'50	28°19	21°38	21°56	4°23	9°32	5°24	27° 1	26°28	3°38	14°23	15°38	10°28	8°23	S 20
M21	6 25 26	6°34'00	10♌33	23° 9	23° 2	5°10	9°44	5°23	26°59	26°27	3°40	14°15	15°35	10°35	8°29	M21
T 22	6 29 22	7°35'10	22°35	24°38	24° 7	5°58	9°57	5°21	26°57	26°26	3°42	14°10	15°32	10°41	8°34	T 22
W23	6 33 19	8°36'20	4♍28	26° 5	25°12	6°45	10°10	5°20	26°55	26°25	3°44	14° 8	15°29	10°48	8°40	W23
T 24	6 37 16	9°37'30	16°16	27°29	26°17	7°32	10°23	5°18	26°54	26°24	3°46	14°D 7	15°26	10°55	8°46	T 24
F 25	6 41 12	10°38'39	28° 3	28°51	27°22	8°20	10°35	5°16	26°52	26°23	3°49	14° 8	15°22	11° 1	8°52	F 25
S 26	6 45 9	11°39'49	9♎55	0♒ 9	28°27	9° 7	10°48	5°15	26°50	26°22	3°51	14°R 9	15°19	11° 8	8°57	S 26
S 27	6 49 5	12°40'58	21°58	1°22	29°31	9°54	11° 1	5°13	26°49	26°21	3°53	14° 8	15°16	11°15	9° 3	S 27
M28	6 53 2	13°42'07	4♏16	2°31	0♓35	10°42	11°13	5°11	26°47	26°20	3°55	14° 6	15°13	11°21	9° 9	M28
T 29	6 56 58	14°43'16	16°55	3°34	1°38	11°29	11°26	5° 9	26°46	26°19	3°57	14° 1	15°10	11°28	9°14	T 29
W30	7 0 55	15°44'25	29°58	4°30	2°41	12°16	11°38	5° 6	26°44	26°18	3°59	13°54	15° 7	11°35	9°20	W30
T 31	7 4 51	16♑45'33	13♐27	5♒19	3♓44	13♒ 4	11♐50	5♍ 4	26♉43	26♌17	4♑ 1	13♍45	15♍ 3	11♍41	9♑26	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s49	10s50	3n58	25s 2	1s47	22s19	2s14	23s20	1s13	20s43	0n34	11n10	1n44	19n33	0s10	13n18	0n40	21s24	2n 6	5n11	5n18	7n47	17s29	5n53
W 2	22 55	13 58	4 34	25 11	1 51	22 2	2 13	23 12	1 13	20 46	0 34	11 10	1 44	19 33	0 10	13 18	0 40	21 24	2 6	5 15	5 19	7 45	17 29	5 53
T 3	23 0	16 28	4 55	25 19	1 54	21 45	2 11	23 5	1 13	20 48	0 34	11 10	1 45	19 32	0 10	13 18	0 40	21 24	2 6	5 19	5 20	7 43	17 29	5 53
F 4	23 6	18 7	5 0	25 26	1 57	21 27	2 9	22 58	1 13	20 50	0 34	11 10	1 45	19 32	0 10	13 19	0 40	21 24	2 6	5 25	5 21	7 42	17 29	5 53
S 5	23 10	18 42	4 47	25 31	2 0	21 9	2 8	22 50	1 13	20 53	0 34	11 10	1 45	19 31	0 10	13 19	0 40	21 24	2 5	5 30	5 22	7 40	17 28	5 53
S 6	23 15	18 9	4 17	25 35	2 3	20 50	2 6	22 42	1 13	20 55	0 34	11 10	1 45	19 31	0 10	13 19	0 40	21 24	2 5	5 34	5 24	7 38	17 28	5 53
M 7	23 18	16 27	3 30	25 37	2 5	20 30	2 4	22 33	1 13	20 58	0 33	11 10	1 46	19 30	0 10	13 19	0 40	21 24	2 5	5 37	5 25	7 36	17 28	5 53
T 8	23 22	13 44	2 30	25 37	2 7	20 10	2 2	22 25	1 13	21 0	0 33	11 10	1 46	19 30	0 10	13 19	0 40	21 24	2 5	5 39	5 26	7 35	17 28	5 53
W 9	23 25	10 11	1 21	25 36	2 8	19 50	1 59	22 16	1 12	21 2	0 33	11 10	1 46	19 29	0 10	13 20	0 40	21 24	2 5	5 40	5 27	7 33	17 28	5 53
T 10	23 27	6 4	0 7	25 33	2 9	19 29	1 57	22 7	1 12	21 4	0 33	11 11	1 46	19 29	0 10	13 20	0 40	21 25	2 5	5 41	5 29	7 31	17 27	5 53
F 11	23 29	1 39	1s 7	25 29	2 10	19 8	1 55	21 57	1 12	21 7	0 33	11 11	1 47	19 28	0 10	13 20	0 40	21 25	2 5	5 41	5 30	7 30	17 27	5 52
S 12	23 30	2n49	2 17	25 23	2 10	18 46	1 52	21 48	1 12	21 9	0 33	11 11	1 47	19 28	0 10	13 20	0 41	21 25	2 5	5 41	5 31	7 28	17 27	5 52
S 13	23 31	7 6	3 17	25 16	2 10	18 23	1 49	21 38	1 12	21 11	0 33	11 12	1 47	19 28	0 10	13 21	0 41	21 25	2 5	5 42	5 32	7 26	17 26	5 52
M14	23 32	10 57	4 6	25 6	2 9	18 1	1 46	21 28	1 11	21 13	0 33	11 12	1 48	19 27	0 10	13 21	0 41	21 25	2 5	5 44	5 34	7 25	17 26	5 52
T 15	23 32	14 12	4 40	24 56	2 8	17 38	1 43	21 17	1 11	21 15	0 33	11 13	1 48	19 27	0 10	13 21	0 41	21 25	2 4	5 47	5 35	7 23	17 26	5 52
W16	23 31	16 39	4 58	24 43	2 6	17 14	1 40	21 7	1 11	21 17	0 33	11 13	1 48	19 26	0 10	13 21	0 41	21 25	2 4	5 51	5 36	7 21	17 26	5 52
T 17	23 30	18 10	5 0	24 29	2 3	16 50	1 37	20 56	1 11	21 19	0 33	11 14	1 48	19 26	0 10	13 22	0 41	21 25	2 4	5 56	5 37	7 20	17 25	5 52
F 18	23 29	18 43	4 46	24 13	2 0	16 26	1 33	20 45	1 11	21 21	0 33	11 14	1 49	19 25	0 10	13 22	0 41	21 25	2 4	6 1	5 39	7 18	17 25	5 52
S 19	23 27	18 19	4 18	23 56	1 56	16 1	1 30	20 34	1 10	21 23	0 33	11 15	1 49	19 25	0 10	13 22	0 41	21 25	2 4	6 6	5 40	7 16	17 25	5 52
S 20	23 25	17 1	3 38	23 37	1 51	15 37	1 26	20 22	1 10	21 25	0 33	11 15	1 49	19 25	0 10	13 23	0 41	21 25	2 4	6 10	5 41	7 14	17 24	5 52
M21	23 22	14 57	2 49	23 17	1 46	15 11	1 22	20 11	1 10	21 27	0 33	11 16	1 49	19 24	0 10	13 23	0 41	21 25	2 4	6 13	5 42	7 13	17 24	5 52
T 22	23 19	12 16	1 52	22 55	1 40	14 46	1 18	19 59	1 10	21 29	0 33	11 17	1 50	19 24	0 10	13 23	0 41	21 25	2 4	6 15	5 43	7 11	17 23	5 52
W23	23 15	9 7	0 51	22 32	1 33	14 20	1 14	19 46	1 9	21 31	0 33	11 18	1 50	19 23	0 10	13 24	0 41	21 25	2 4	6 16	5 45	7 9	17 23	5 53
T 24	23 11	5 37	0n11	22 8	1 25	13 54	1 10	19 34	1 9	21 33	0 33	11 18	1 50	19 23	0 10	13 24	0 41	21 25	2 4	6 16	5 46	7 8	17 23	5 53
F 25	23 6	1 54	1 14	21 43	1 16	13 27	1 6	19 21	1 9	21 35	0 33	11 19	1 50	19 23	0 10	13 25	0 41	21 25	2 3	6 16	5 47	7 6	17 22	5 53
S 26	23 1	1s54	2 14	21 17	1 7	13 1	1 1	19 9	1 8	21 37	0 33	11 20	1 51	19 22	0 10	13 25	0 41	21 25	2 3	6 16	5 48	7 4	17 22	5 53
S 27	22 55	5 41	3 8	20 50	0 56	12 34	0 56	18 56	1 8	21 39	0 32	11 21	1 51	19 22	0 9	13 25	0 41	21 25	2 3	6 16	5 50	7 2	17 21	5 53
M28	22 49	9 18	3 55	20 23	0 44	12 7	0 52	18 43	1 8	21 40	0 32	11 22	1 51	19 22	0 9	13 26	0 41	21 25	2 3	6 17	5 51	7 1	17 21	5 53
T 29	22 43	12 36	4 32	19 56	0 31	11 39	0 47	18 29	1 8	21 42	0 32	11 23	1 51	19 21	0 9	13 26	0 41	21 25	2 3	6 19	5 52	6 59	17 20	5 53
W30	22 36	15 23	4 57	19 30	0 18	11 12	0 42	18 16	1 7	21 44	0 32	11 24	1 51	19 21	0 9	13 27	0 41	21 25	2 3	6 21	5 53	6 57	17 20	5 53
T 31	22s29	17s27	5n 6	19s 4	0s 3	10s44	0s36	18s 2	1s 7	21s46	0n32	11n25	1n52	19n21	0s 9	13n27	0n41	21s25	2n 3	6n25	5n55	6n56	17s19	5n53

Julian Day Number = 2185624.5, Delta T = 11m09s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'11, Lahiri = 13°42'12 Julian Calendar 1 Dec. 1271 == Greg. Calendar 8 Dec. 1271

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ASTRODIENST EPHEMERIS for the year 1272
geocentric

JANUARY 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 8 48	17♑46'41	27♐22	6♒ 0	4♓47	13♒51	12♐ 3	5°R 2	26°R42	26°R15	4♑ 3	13°R36	15♍ 0	11♍48	9♑31	F 1
S 2	7 12 45	18°47'49	11♑39	6°32	5°49	14°38	12°15	4♍59	26♉40	26♏14	4° 5	13♍26	14°57	11°55	9°37	S 2
S 3	7 16 41	19°48'56	26°13	6°54	6°51	15°25	12°27	4°57	26°39	26°13	4° 7	13°18	14°54	12° 1	9°43	S 3
M 4	7 20 38	20°50'01	10♒56	7° 5	7°52	16°13	12°39	4°54	26°38	26°12	4° 9	13°12	14°51	12° 8	9°48	M 4
T 5	7 24 34	21°51'07	25°42	7°R 6	8°53	17° 0	12°51	4°51	26°37	26°10	4°11	13° 8	14°47	12°14	9°54	T 5
W 6	7 28 31	22°52'11	10♓22	6°54	9°54	17°47	13° 3	4°48	26°36	26° 9	4°13	13°D 7	14°44	12°21	10° 0	W 6
T 7	7 32 27	23°53'13	24°51	6°31	10°54	18°35	13°15	4°45	26°35	26° 8	4°15	13° 7	14°41	12°28	10° 5	T 7
F 8	7 36 24	24°54'15	9♈ 7	5°57	11°53	19°22	13°27	4°42	26°33	26° 6	4°17	13° 8	14°38	12°34	10°11	F 8
S 9	7 40 20	25°55'16	23° 8	5°13	12°53	20° 9	13°38	4°39	26°33	26° 5	4°19	13°R 9	14°35	12°41	10°16	S 9
S 10	7 44 17	26°56'15	6♉53	4°18	13°51	20°56	13°50	4°36	26°32	26° 3	4°21	13° 9	14°32	12°48	10°22	S 10
M11	7 48 14	27°57'13	20°22	3°16	14°49	21°44	14° 2	4°33	26°31	26° 2	4°23	13° 6	14°28	12°54	10°27	M11
T 12	7 52 10	28°58'10	3♊38	2° 8	15°47	22°31	14°13	4°29	26°30	26° 1	4°25	13° 2	14°25	13° 1	10°33	T 12
W13	7 56 7	29°59'05	16°40	0°56	16°44	23°18	14°25	4°26	26°29	25°59	4°27	12°55	14°22	13° 8	10°38	W13
T 14	8 0 3	0♒59'59	29°30	29♑42	17°41	24° 5	14°36	4°22	26°28	25°58	4°29	12°48	14°19	13°14	10°44	T 14
F 15	8 4 0	2° 0'52	12♋ 7	28°28	18°37	24°53	14°47	4°19	26°28	25°56	4°31	12°40	14°16	13°21	10°49	F 15
S 16	8 7 56	3° 1'44	24°33	27°16	19°32	25°40	14°59	4°15	26°27	25°55	4°33	12°33	14°13	13°28	10°55	S 16
S 17	8 11 53	4° 2'35	6♌47	26° 8	20°26	26°27	15°10	4°11	26°27	25°53	4°35	12°27	14° 9	13°34	11° 0	S 17
M18	8 15 49	5° 3'24	18°52	25° 6	21°20	27°14	15°21	4° 7	26°26	25°52	4°36	12°22	14° 6	13°41	11° 5	M18
T 19	8 19 46	6° 4'12	0♍49	24°11	22°14	28° 1	15°32	4° 4	26°26	25°50	4°38	12°20	14° 3	13°47	11°11	T 19
W20	8 23 43	7° 4'59	12°39	23°23	23° 6	28°48	15°42	4° 0	26°25	25°49	4°40	12°D19	14° 0	13°54	11°16	W20
T 21	8 27 39	8° 5'44	24°26	22°43	23°58	29°35	15°53	3°56	26°25	25°47	4°42	12°19	13°57	14° 1	11°21	T 21
F 22	8 31 36	9° 6'29	6♎13	22°11	24°49	0♓22	16° 4	3°52	26°25	25°45	4°44	12°21	13°53	14° 7	11°26	F 22
S 23	8 35 32	10° 7'12	18° 5	21°47	25°40	1° 9	16°14	3°47	26°24	25°44	4°45	12°23	13°50	14°14	11°32	S 23
S 24	8 39 29	11° 7'55	0♏ 6	21°32	26°29	1°56	16°25	3°43	26°24	25°42	4°47	12°24	13°47	14°21	11°37	S 24
M25	8 43 25	12° 8'36	12°22	21°24	27°18	2°43	16°35	3°39	26°24	25°41	4°49	12°R25	13°44	14°27	11°42	M25
T 26	8 47 22	13° 9'16	24°57	21°D24	28° 5	3°30	16°46	3°35	26°24	25°39	4°51	12°24	13°41	14°34	11°47	T 26
W27	8 51 18	14° 9'55	7♐56	21°30	28°52	4°17	16°56	3°30	26°D24	25°37	4°52	12°22	13°38	14°41	11°52	W27
T 28	8 55 15	15°10'33	21°21	21°44	29°38	5° 4	17° 6	3°26	26°24	25°36	4°54	12°19	13°34	14°47	11°57	T 28
F 29	8 59 12	16°11'09	5♑14	22° 3	0♈23	5°51	17°16	3°21	26°24	25°34	4°56	12°15	13°31	14°54	12° 2	F 29
S 30	9 3 8	17°11'44	19°34	22°28	1° 7	6°38	17°26	3°17	26°24	25°32	4°58	12°12	13°28	15° 1	12° 7	S 30
S 31	9 7 5	18♒12'18	4♒16	22♑58	1♈50	7♓25	17♐35	3♍12	26♉24	25♏31	4♑59	12♍ 8	13♍25	15♍ 7	12♑12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s21	18s33	4n57	18s38	0n13	10s16	0s31	17s48	1s 7	21s47	0n32	11n26	1n52	19n20	0s 9	13n27	0n41	21s25	2n 3	6n28	5n56	6n54	17s19	5n53
S 2	22 12	18 32	4 30	18 14	0 29	9 49	0 26	17 34	1 6	21 49	0 32	11 27	1 52	19 20	0 9	13 28	0 41	21 25	2 3	6 32	5 57	6 52	17 18	5 53
S 3	22 4	17 19	3 45	17 52	0 46	9 20	0 20	17 19	1 6	21 51	0 32	11 29	1 52	19 20	0 9	13 28	0 41	21 25	2 3	6 35	5 58	6 50	17 18	5 53
M 4	21 55	14 55	2 44	17 32	1 4	8 52	0 14	17 5	1 6	21 52	0 32	11 30	1 53	19 20	0 9	13 29	0 41	21 25	2 3	6 38	6 0	6 49	17 17	5 54
T 5	21 45	11 33	1 33	17 14	1 23	8 24	0 8	16 50	1 5	21 54	0 32	11 31	1 53	19 19	0 9	13 29	0 41	21 25	2 3	6 39	6 1	6 47	17 17	5 54
W 6	21 35	7 29	0 15	16 59	1 41	7 55	0 2	16 35	1 5	21 55	0 32	11 32	1 53	19 19	0 9	13 30	0 41	21 25	2 3	6 40	6 2	6 45	17 16	5 54
T 7	21 25	3 1	1s 3	16 48	1 59	7 27	0n 4	16 20	1 5	21 57	0 32	11 34	1 53	19 19	0 9	13 30	0 41	21 25	2 2	6 39	6 3	6 43	17 16	5 54
F 8	21 14	1n33	2 16	16 39	2 17	6 58	0 10	16 5	1 4	21 58	0 32	11 35	1 54	19 19	0 9	13 31	0 41	21 25	2 2	6 39	6 4	6 42	17 15	5 54
S 9	21 3	5 56	3 19	16 33	2 33	6 30	0 17	15 50	1 4	22 0	0 32	11 36	1 54	19 18	0 9	13 31	0 41	21 25	2 2	6 39	6 6	6 40	17 15	5 54
S 10	20 51	9 56	4 10	16 31	2 49	6 1	0 23	15 34	1 3	22 1	0 32	11 38	1 54	19 18	0 9	13 32	0 41	21 25	2 2	6 39	6 7	6 38	17 14	5 54
M11	20 39	13 19	4 45	16 32	3 3	5 32	0 30	15 19	1 3	22 3	0 32	11 39	1 54	19 18	0 9	13 32	0 41	21 25	2 2	6 40	6 8	6 37	17 13	5 55
T 12	20 27	15 58	5 5	16 36	3 15	5 4	0 37	15 3	1 3	22 4	0 32	11 41	1 54	19 18	0 9	13 33	0 41	21 25	2 2	6 42	6 9	6 35	17 13	5 55
W13	20 14	17 45	5 9	16 42	3 25	4 35	0 44	14 47	1 2	22 5	0 32	11 42	1 55	19 18	0 9	13 33	0 41	21 25	2 2	6 44	6 11	6 33	17 12	5 55
T 14	20 1	18 35	4 56	16 50	3 32	4 7	0 51	14 31	1 2	22 7	0 32	11 43	1 55	19 17	0 9	13 34	0 41	21 25	2 2	6 47	6 12	6 31	17 12	5 55
F 15	19 47	18 30	4 30	17 0	3 37	3 38	0 58	14 15	1 1	22 8	0 32	11 45	1 55	19 17	0 9	13 34	0 41	21 25	2 2	6 50	6 13	6 30	17 11	5 55
S 16	19 33	17 31	3 51	17 12	3 39	3 10	1 5	13 58	1 1	22 9	0 32	11 46	1 55	19 17	0 9	13 35	0 41	21 25	2 2	6 53	6 14	6 28	17 10	5 56
S 17	19 19	15 43	3 1	17 25	3 39	2 41	1 13	13 42	1 1	22 11	0 32	11 48	1 55	19 17	0 9	13 35	0 41	21 25	2 2	6 55	6 15	6 26	17 10	5 56
M18	19 5	13 15	2 4	17 38	3 37	2 13	1 20	13 25	1 0	22 12	0 32	11 50	1 56	19 17	0 9	13 36	0 42	21 25	2 2	6 57	6 17	6 24	17 9	5 56
T 19	18 50	10 15	1 2	17 52	3 33	1 45	1 28	13 9	1 0	22 13	0 32	11 51	1 56	19 17	0 9	13 36	0 42	21 25	2 2	6 58	6 18	6 23	17 8	5 56
W20	18 34	6 52	0n 2	18 6	3 27	1 17	1 36	12 52	0 59	22 14	0 32	11 53	1 56	19 17	0 9	13 37	0 42	21 25	2 2	6 58	6 19	6 21	17 8	5 56
T 21	18 19	3 14	1 6	18 19	3 20	0 49	1 44	12 35	0 59	22 15	0 32	11 54	1 56	19 17	0 9	13 38	0 42	21 25	2 1	6 58	6 20	6 19	17 7	5 57
F 22	18 3	0s32	2 7	18 33	3 11	0 21	1 52	12 18	0 58	22 16	0 32	11 56	1 56	19 17	0 9	13 38	0 42	21 25	2 1	6 57	6 22	6 17	17 6	5 57
S 23	17 47	4 17	3 4	18 46	3 2	0n 6	2 0	12 0	0 58	22 18	0 32	11 58	1 56	19 17	0 9	13 39	0 42	21 25	2 1	6 56	6 23	6 16	17 6	5 57
S 24	17 30	7 55	3 53	18 59	2 51	0 34	2 9	11 43	0 58	22 19	0 32	11 59	1 57	19 17	0 9	13 39	0 42	21 25	2 1	6 56	6 24	6 14	17 5	5 58
M25	17 13	11 17	4 32	19 11	2 40	1 1	2 17	11 26	0 57	22 20	0 32	12 1	1 57	19 17	0 9	13 40	0 42	21 25	2 1	6 56	6 25	6 12	17 4	5 58
T 26	16 56	14 13	5 0	19 23	2 29	1 28	2 26	11 8	0 57	22 21	0 32	12 3	1 57	19 17	0 9	13 40	0 42	21 25	2 1	6 56	6 27	6 10	17 4	5 58
W27	16 39	16 34	5 13	19 33	2 17	1 54	2 34	10 51	0 56	22 22	0 32	12 5	1 57	19 17	0 9	13 41	0 42	21 25	2 1	6 57	6 28	6 9	17 3	5 58
T 28	16 21	18 5	5 10	19 43	2 5	2 21	2 43	10 33	0 56	22 23	0 32	12 6	1 57	19 17	0 9	13 41	0 42	21 25	2 1	6 58	6 29	6 7	17 2	5 59
F 29	16 3	18 36	4 50	19 52	1 53	2 47	2 52	10 15	0 55	22 24	0 31	12 8	1 57	19 17	0 9	13 42	0 42	21 25	2 1	6 59	6 30	6 5	17 2	5 59
S 30	15 44	17 58	4 10	20 0	1 41	3 13	3 1	9 57	0 55	22 25	0 31	12 10	1 58	19 17	0 9	13 43	0 42	21 25	2 1	7 1	6 31	6 3	17 1	5 59
S 31	15s26	16s 8	3n14	20s 7	1n29	3n38	3n10	9s39	0s54	22s26	0n31	12n12	1n58	19n17	0s 9	13n43	0n42	21s25	2n 1	7n 2	6n33	6n 2	17s 0	6n 0

Julian Day Number = 2185655.5, Delta T = 11m09s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'16, Lahiri = 13°42'16 Julian Calendar 1 Jan. 1272 == Greg. Calendar 8 Jan. 1272

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ASTRODIENST EPHEMERIS for the year 1272
geocentric

FEBRUARY 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 11 1	19♒12'50	19♒15	23♑33	2♈31	8♓12	17♐45	3°R 8	26♉25	25°R29	5♑ 1	12°R 6	13♍22	15♍14	12♑17	M 1
T 2	9 14 58	20°13'20	4♓20	24°13	3°12	8°59	17°55	3♍ 3	26°25	25♌27	5° 2	12♍ 5	13°18	15°21	12°22	T 2
W 3	9 18 54	21°13'49	19°24	24°56	3°51	9°46	18° 4	2°59	26°25	25°26	5° 4	12°D 5	13°15	15°27	12°26	W 3
T 4	9 22 51	22°14'16	4♈17	25°44	4°29	10°32	18°13	2°54	26°26	25°24	5° 6	12° 5	13°12	15°34	12°31	T 4
F 5	9 26 47	23°14'41	18°53	26°35	5° 6	11°19	18°22	2°49	26°26	25°22	5° 7	12° 7	13° 9	15°40	12°36	F 5
S 6	9 30 44	24°15'04	3♉ 9	27°29	5°41	12° 6	18°31	2°45	26°27	25°21	5° 9	12° 8	13° 6	15°47	12°40	S 6
S 7	9 34 41	25°15'25	17° 2	28°26	6°15	12°52	18°40	2°40	26°27	25°19	5°10	12° 9	13° 3	15°54	12°45	S 7
M 8	9 38 37	26°15'44	0♊32	29°26	6°48	13°39	18°49	2°35	26°28	25°17	5°12	12°R 9	12°59	16° 0	12°50	M 8
T 9	9 42 34	27°16'00	13°42	0♒28	7°19	14°26	18°58	2°30	26°28	25°16	5°13	12° 8	12°56	16° 7	12°54	T 9
W10	9 46 30	28°16'15	26°32	1°33	7°48	15°12	19° 6	2°26	26°29	25°14	5°14	12° 7	12°53	16°14	12°59	W10
T 11	9 50 27	29°16'28	9♋ 7	2°40	8°16	15°59	19°15	2°21	26°30	25°12	5°16	12° 5	12°50	16°20	13° 3	T 11
F 12	9 54 23	0♓16'39	21°28	3°49	8°42	16°45	19°23	2°16	26°31	25°11	5°17	12° 4	12°47	16°27	13° 7	F 12
S 13	9 58 20	1°16'47	3♌38	5° 1	9° 6	17°32	19°31	2°11	26°32	25° 9	5°19	12° 2	12°44	16°34	13°12	S 13
S 14	10 2 16	2°16'54	15°40	6°14	9°29	18°18	19°39	2° 7	26°32	25° 7	5°20	12° 1	12°40	16°40	13°16	S 14
M15	10 6 13	3°16'59	27°35	7°29	9°49	19° 5	19°47	2° 2	26°33	25° 6	5°21	12° 0	12°37	16°47	13°20	M15
T 16	10 10 10	4°17'01	9♍25	8°45	10° 8	19°51	19°55	1°57	26°34	25° 4	5°22	11°D59	12°34	16°54	13°24	T 16
W17	10 14 6	5°17'02	21°13	10° 4	10°24	20°37	20° 3	1°52	26°36	25° 2	5°24	12° 0	12°31	17° 0	13°28	W17
T 18	10 18 3	6°17'01	3♎ 1	11°24	10°39	21°24	20°10	1°47	26°37	25° 1	5°25	12° 0	12°28	17° 7	13°32	T 18
F 19	10 21 59	7°16'58	14°51	12°45	10°51	22°10	20°18	1°43	26°38	24°59	5°26	12° 0	12°24	17°13	13°36	F 19
S 20	10 25 56	8°16'53	26°47	14° 8	11° 1	22°56	20°25	1°38	26°39	24°57	5°27	12° 1	12°21	17°20	13°40	S 20
S 21	10 29 52	9°16'47	8♏51	15°32	11° 9	23°42	20°32	1°33	26°40	24°56	5°28	12° 1	12°18	17°27	13°44	S 21
M22	10 33 49	10°16'39	21° 8	16°58	11°15	24°28	20°39	1°28	26°42	24°54	5°30	12° 2	12°15	17°33	13°48	M22
T 23	10 37 45	11°16'29	3♐41	18°25	11°18	25°14	20°46	1°24	26°43	24°53	5°31	12° 2	12°12	17°40	13°52	T 23
W24	10 41 42	12°16'18	16°34	19°53	11°R19	26° 0	20°52	1°19	26°44	24°51	5°32	12° 2	12° 9	17°47	13°56	W24
T 25	10 45 38	13°16'04	29°51	21°23	11°17	26°46	20°59	1°14	26°46	24°49	5°33	12° 2	12° 5	17°53	13°59	T 25
F 26	10 49 35	14°15'49	13♑34	22°54	11°13	27°32	21° 5	1°10	26°47	24°48	5°34	12° 2	12° 2	18° 0	14° 3	F 26
S 27	10 53 32	15°15'33	27°44	24°26	11° 6	28°18	21°12	1° 5	26°49	24°46	5°35	12° 2	11°59	18° 7	14° 6	S 27
S 28	10 57 28	16°15'14	12♒18	26° 0	10°57	29° 4	21°18	1° 1	26°51	24°45	5°36	12° 2	11°56	18°13	14°10	S 28
M29	11 1 25	17♓14'54	27♒13	27♒35	10♈46	29♓50	21♐23	0♍56	26♉52	24♌43	5♑37	12♍ 3	11♍53	18♍20	14♑13	M29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s 7	13s10	2n 3	20s13	1n17	4n 3	3n20	9s21	0s54	22s27	0n31	12n13	1n58	19n17	0s 9	13n44	0n42	21s25	2n 1	7n 3	6n34	6n 0	16s59	6n 0
T 2	14 48	9 18	0 43	20 17	1 5	4 28	3 29	9 3	0 53	22 27	0 31	12 15	1 58	19 17	0 9	13 44	0 42	21 25	2 1	7 3	6 35	5 58	16 59	6 0
W 3	14 29	4 50	0s40	20 21	0 53	4 52	3 38	8 45	0 53	22 28	0 31	12 17	1 58	19 17	0 9	13 45	0 42	21 25	2 1	7 3	6 36	5 56	16 58	6 0
T 4	14 9	0 7	2 0	20 23	0 42	5 16	3 48	8 27	0 52	22 29	0 31	12 19	1 58	19 17	0 9	13 46	0 42	21 25	2 1	7 3	6 38	5 55	16 57	6 1
F 5	13 49	4n30	3 10	20 25	0 31	5 40	3 57	8 9	0 52	22 30	0 31	12 21	1 58	19 17	0 9	13 46	0 42	21 25	2 1	7 3	6 39	5 53	16 56	6 1
S 6	13 29	8 45	4 6	20 25	0 20	6 3	4 7	7 50	0 51	22 31	0 31	12 22	1 58	19 17	0 9	13 47	0 42	21 25	2 1	7 2	6 40	5 51	16 56	6 1
S 7	13 9	12 24	4 47	20 24	0 10	6 25	4 17	7 32	0 51	22 32	0 31	12 24	1 59	19 18	0 9	13 47	0 42	21 25	2 1	7 2	6 41	5 49	16 55	6 2
M 8	12 49	15 17	5 10	20 21	0s 0	6 47	4 27	7 13	0 50	22 32	0 31	12 26	1 59	19 18	0 9	13 48	0 42	21 25	2 1	7 2	6 42	5 47	16 54	6 2
T 9	12 28	17 17	5 17	20 18	0 10	7 8	4 36	6 55	0 50	22 33	0 31	12 28	1 59	19 18	0 9	13 48	0 42	21 25	2 0	7 2	6 44	5 46	16 53	6 3
W10	12 7	18 22	5 7	20 13	0 20	7 29	4 46	6 36	0 49	22 34	0 31	12 30	1 59	19 18	0 9	13 49	0 42	21 25	2 0	7 3	6 45	5 44	16 52	6 3
T 11	11 46	18 31	4 42	20 6	0 29	7 49	4 56	6 18	0 49	22 34	0 31	12 32	1 59	19 18	0 9	13 50	0 42	21 25	2 0	7 3	6 46	5 42	16 52	6 3
F 12	11 25	17 46	4 5	19 59	0 38	8 9	5 6	5 59	0 48	22 35	0 31	12 33	1 59	19 18	0 9	13 50	0 42	21 25	2 0	7 4	6 47	5 40	16 51	6 4
S 13	11 4	16 13	3 17	19 50	0 46	8 28	5 16	5 40	0 48	22 36	0 31	12 35	1 59	19 19	0 9	13 51	0 42	21 25	2 0	7 5	6 49	5 39	16 50	6 4
S 14	10 42	13 57	2 21	19 40	0 54	8 46	5 26	5 22	0 47	22 36	0 31	12 37	1 59	19 19	0 9	13 51	0 42	21 25	2 0	7 5	6 50	5 37	16 49	6 4
M15	10 20	11 7	1 19	19 28	1 2	9 3	5 36	5 3	0 46	22 37	0 31	12 39	1 59	19 19	0 9	13 52	0 42	21 25	2 0	7 5	6 51	5 35	16 49	6 5
T 16	9 59	7 51	0 14	19 15	1 9	9 19	5 46	4 44	0 46	22 38	0 31	12 41	1 59	19 19	0 9	13 52	0 42	21 25	2 0	7 5	6 52	5 33	16 48	6 5
W17	9 37	4 17	0n51	19 1	1 16	9 35	5 56	4 25	0 45	22 38	0 31	12 42	1 59	19 20	0 9	13 53	0 42	21 25	2 0	7 5	6 53	5 31	16 47	6 6
T 18	9 14	0 33	1 54	18 46	1 23	9 50	6 6	4 7	0 45	22 39	0 31	12 44	1 59	19 20	0 9	13 54	0 42	21 25	2 0	7 5	6 55	5 30	16 46	6 6
F 19	8 52	3s13	2 53	18 29	1 29	10 3	6 15	3 48	0 44	22 39	0 31	12 46	1 59	19 20	0 9	13 54	0 42	21 25	2 0	7 5	6 56	5 28	16 45	6 6
S 20	8 30	6 53	3 44	18 10	1 35	10 16	6 25	3 29	0 44	22 40	0 31	12 48	2 0	19 21	0 9	13 55	0 42	21 25	2 0	7 5	6 57	5 26	16 45	6 7
S 21	8 7	10 18	4 27	17 51	1 41	10 28	6 34	3 10	0 43	22 40	0 31	12 49	2 0	19 21	0 9	13 55	0 42	21 25	2 0	7 5	6 58	5 24	16 44	6 7
M22	7 45	13 19	4 57	17 30	1 46	10 38	6 43	2 51	0 42	22 41	0 31	12 51	2 0	19 21	0 9	13 56	0 42	21 25	2 0	7 5	7 0	5 22	16 43	6 8
T 23	7 22	15 49	5 15	17 7	1 51	10 48	6 52	2 32	0 42	22 41	0 31	12 53	2 0	19 22	0 9	13 56	0 42	21 25	2 0	7 5	7 1	5 21	16 42	6 8
W24	6 59	17 35	5 17	16 43	1 55	10 56	7 1	2 14	0 41	22 42	0 31	12 55	2 0	19 22	0 9	13 57	0 42	21 25	2 0	7 5	7 2	5 19	16 41	6 9
T 25	6 36	18 29	5 3	16 18	1 59	11 3	7 10	1 55	0 41	22 42	0 31	12 56	2 0	19 22	0 8	13 57	0 42	21 25	2 0	7 5	7 3	5 17	16 41	6 9
F 26	6 13	18 20	4 31	15 52	2 3	11 9	7 18	1 36	0 40	22 43	0 31	12 58	2 0	19 23	0 8	13 58	0 42	21 25	2 0	7 5	7 4	5 15	16 40	6 10
S 27	5 50	17 3	3 43	15 24	2 6	11 14	7 26	1 17	0 40	22 43	0 31	13 0	2 0	19 23	0 8	13 58	0 42	21 25	2 0	7 4	7 6	5 13	16 39	6 10
S 28	5 27	14 39	2 38	14 55	2 9	11 17	7 33	0 58	0 39	22 44	0 31	13 1	2 0	19 23	0 8	13 59	0 42	21 25	2 0	7 4	7 7	5 12	16 38	6 10
M29	5s 3	11s12	1n22	14s24	2s11	11n19	7n40	0s39	0s38	22s44	0n31	13n 3	2n 0	19n24	0s 8	13n59	0n42	21s25	2n 0	7n 4	7n 8	5n10	16s37	6n11

Julian Day Number = 2185686.5, Delta T = 11m09s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'20, Lahiri = 13°42'20 Julian Calendar 1 Feb. 1272 == Greg. Calendar 8 Feb. 1272

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ASTRODIENST EPHEMERIS for the year 1272
geocentric

MARCH 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 5 21	18♓14'31	12♓22	29♒11	10°R32	0♈36	21♐29	0°R52	26♉54	24°R42	5♋38	12°R 3	11♍50	18♍27	14♋16	T 1
W 2	11 9 18	19°14'07	27°35	0♓49	10♈15	1°22	21°35	0♍47	26°56	24♌40	5°38	12♍ 3	11°46	18°33	14°20	W 2
T 3	11 13 14	20°13'40	12♈43	2°27	9°56	2° 7	21°40	0°43	26°57	24°39	5°39	12° 2	11°43	18°40	14°23	T 3
F 4	11 17 11	21°13'11	27°37	4° 7	9°35	2°53	21°45	0°38	26°59	24°37	5°40	12° 1	11°40	18°46	14°26	F 4
S 5	11 21 7	22°12'40	12♉10	5°48	9°12	3°39	21°50	0°34	27° 1	24°36	5°41	12° 0	11°37	18°53	14°29	S 5
S 6	11 25 4	23°12'07	26°17	7°31	8°46	4°24	21°55	0°30	27° 3	24°34	5°42	11°59	11°34	19° 0	14°32	S 6
M 7	11 29 1	24°11'31	9♊56	9°15	8°18	5°10	22° 0	0°26	27° 5	24°33	5°42	11°58	11°30	19° 6	14°35	M 7
T 8	11 32 57	25°10'54	23° 9	11° 0	7°49	5°56	22° 5	0°22	27° 7	24°32	5°43	11°D57	11°27	19°13	14°38	T 8
W 9	11 36 54	26°10'13	5♋59	12°46	7°17	6°41	22° 9	0°18	27° 9	24°30	5°44	11°58	11°24	19°20	14°41	W 9
T 10	11 40 50	27° 9'30	18°28	14°34	6°44	7°26	22°13	0°14	27°11	24°29	5°44	11°59	11°21	19°26	14°43	T 10
F 11	11 44 47	28° 8'45	0♌41	16°24	6°10	8°12	22°17	0°10	27°13	24°27	5°45	12° 0	11°18	19°33	14°46	F 11
S 12	11 48 43	29° 7'58	12°43	18°14	5°34	8°57	22°21	0° 6	27°16	24°26	5°45	12° 1	11°15	19°40	14°49	S 12
S 13	11 52 40	0♈ 7'08	24°36	20° 6	4°58	9°42	22°25	0° 2	27°18	24°25	5°46	12° 3	11°11	19°46	14°51	S 13
M14	11 56 36	1° 6'16	6♍25	21°59	4°20	10°28	22°29	29♌58	27°20	24°24	5°47	12°R 3	11° 8	19°53	14°54	M14
T 15	12 0 33	2° 5'22	18°12	23°54	3°43	11°13	22°32	29°54	27°22	24°22	5°47	12° 3	11° 5	20° 0	14°56	T 15
W16	12 4 29	3° 4'26	0♎ 0	25°50	3° 5	11°58	22°35	29°51	27°25	24°21	5°47	12° 2	11° 2	20° 6	14°58	W16
T 17	12 8 26	4° 3'28	11°52	27°47	2°27	12°43	22°38	29°47	27°27	24°20	5°48	12° 0	10°59	20°13	15° 1	T 17
F 18	12 12 23	5° 2'27	23°48	29°46	1°49	13°28	22°41	29°44	27°30	24°19	5°48	11°57	10°55	20°20	15° 3	F 18
S 19	12 16 19	6° 1'25	5♏53	1♈46	1°12	14°13	22°44	29°40	27°32	24°17	5°49	11°53	10°52	20°26	15° 5	S 19
S 20	12 20 16	7° 0'20	18° 6	3°47	0°35	14°58	22°46	29°37	27°34	24°16	5°49	11°49	10°49	20°33	15° 7	S 20
M21	12 24 12	7°59'14	0♐30	5°50	0° 0	15°43	22°48	29°34	27°37	24°15	5°49	11°45	10°46	20°39	15° 9	M21
T 22	12 28 9	8°58'06	13° 9	7°53	29♓26	16°28	22°51	29°31	27°40	24°14	5°50	11°42	10°43	20°46	15°11	T 22
W23	12 32 5	9°56'57	26° 3	9°57	28°53	17°12	22°53	29°28	27°42	24°13	5°50	11°40	10°40	20°53	15°12	W23
T 24	12 36 2	10°55'45	9♑16	12° 2	28°22	17°57	22°54	29°25	27°45	24°12	5°50	11°D39	10°36	20°59	15°14	T 24
F 25	12 39 58	11°54'32	22°50	14° 8	27°53	18°42	22°56	29°22	27°47	24°11	5°50	11°39	10°33	21° 6	15°16	F 25
S 26	12 43 55	12°53'17	6♒46	16°14	27°26	19°27	22°57	29°19	27°50	24°10	5°50	11°41	10°30	21°13	15°17	S 26
S 27	12 47 52	13°52'01	21° 5	18°21	27° 1	20°11	22°58	29°16	27°53	24° 9	5°50	11°42	10°27	21°19	15°19	S 27
M28	12 51 48	14°50'42	5♓44	20°27	26°38	20°56	22°59	29°14	27°56	24° 8	5°51	11°R43	10°24	21°26	15°20	M28
T 29	12 55 45	15°49'22	20°40	22°34	26°17	21°40	23° 0	29°11	27°58	24° 7	5°51	11°43	10°21	21°33	15°21	T 29
W30	12 59 41	16°48'00	5♈45	24°39	25°59	22°25	23° 1	29° 9	28° 1	24° 6	5°R51	11°41	10°17	21°39	15°23	W30
T 31	13 3 38	17♈46'36	20♈51	26♈44	25♓43	23♈ 9	23♐ 1	29♌ 6	28♉ 4	24♌ 5	5♋51	11♍38	10♍14	21♍46	15♋24	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s40	6s58	0s 2	13s52	2s13	11n19	7n46	0s20	0s38	22s44	0n31	13n 5	2n 0	19n24	0s 8	14n 0	0n42	21s25	2n 0	7n 4	7n 9	5n 8	16s36	6n11
W 2	4 17	2 16	1 25	13 19	2 14	11 18	7 52	0 2	0 37	22 45	0 31	13 6	2 0	19 25	0 8	14 0	0 42	21 25	2 0	7 4	7 10	5 6	16 36	6 12
T 3	3 53	2n33	2 42	12 44	2 15	11 16	7 58	0n17	0 37	22 45	0 31	13 8	2 0	19 25	0 8	14 1	0 42	21 25	1 59	7 4	7 12	5 4	16 35	6 12
F 4	3 30	7 8	3 47	12 8	2 16	11 12	8 2	0 36	0 36	22 46	0 31	13 9	2 0	19 25	0 8	14 1	0 42	21 25	1 59	7 5	7 13	5 3	16 34	6 13
S 5	3 6	11 10	4 36	11 31	2 16	11 6	8 7	0 55	0 35	22 46	0 31	13 11	2 0	19 26	0 8	14 2	0 42	21 25	1 59	7 5	7 14	5 1	16 33	6 13
S 6	2 43	14 26	5 6	10 52	2 15	10 59	8 10	1 13	0 35	22 46	0 31	13 12	2 0	19 26	0 8	14 2	0 42	21 25	1 59	7 6	7 15	4 59	16 32	6 14
M 7	2 19	16 48	5 17	10 12	2 14	10 50	8 13	1 32	0 34	22 46	0 31	13 14	2 0	19 27	0 8	14 3	0 42	21 25	1 59	7 6	7 17	4 57	16 32	6 14
T 8	1 55	18 10	5 11	9 31	2 13	10 40	8 14	1 51	0 34	22 47	0 31	13 15	2 0	19 27	0 8	14 3	0 42	21 25	1 59	7 6	7 18	4 55	16 31	6 15
W 9	1 32	18 34	4 50	8 49	2 11	10 28	8 15	2 9	0 33	22 47	0 31	13 17	2 0	19 28	0 8	14 4	0 42	21 25	1 59	7 6	7 19	4 54	16 30	6 15
T 10	1 8	18 2	4 15	8 5	2 9	10 15	8 16	2 28	0 32	22 47	0 31	13 18	2 0	19 28	0 8	14 4	0 42	21 25	1 59	7 6	7 20	4 52	16 29	6 16
F 11	0 44	16 40	3 30	7 20	2 6	10 1	8 15	2 47	0 32	22 48	0 31	13 19	2 0	19 29	0 8	14 5	0 42	21 25	1 59	7 5	7 21	4 50	16 28	6 16
S 12	0 21	14 34	2 36	6 33	2 3	9 45	8 13	3 5	0 31	22 48	0 31	13 21	2 0	19 29	0 8	14 5	0 42	21 25	1 59	7 5	7 23	4 48	16 28	6 17
S 13	0n 3	11 53	1 35	5 45	1 59	9 28	8 11	3 23	0 31	22 48	0 31	13 22	2 0	19 30	0 8	14 6	0 42	21 25	1 59	7 4	7 24	4 46	16 27	6 17
M14	0 26	8 43	0 31	4 57	1 55	9 10	8 7	3 42	0 30	22 48	0 31	13 23	1 59	19 30	0 8	14 6	0 42	21 25	1 59	7 4	7 25	4 45	16 26	6 18
T 15	0 50	5 12	0n34	4 7	1 50	8 51	8 3	4 0	0 29	22 48	0 31	13 25	1 59	19 31	0 8	14 6	0 42	21 25	1 59	7 4	7 26	4 43	16 25	6 18
W16	1 14	1 29	1 38	3 15	1 44	8 31	7 57	4 18	0 29	22 49	0 31	13 26	1 59	19 31	0 8	14 7	0 42	21 25	1 59	7 4	7 27	4 41	16 25	6 19
T 17	1 37	2s18	2 37	2 23	1 38	8 10	7 51	4 37	0 28	22 49	0 31	13 27	1 59	19 32	0 8	14 7	0 42	21 25	1 59	7 5	7 29	4 39	16 24	6 19
F 18	2 1	6 1	3 30	1 30	1 32	7 49	7 44	4 55	0 28	22 49	0 31	13 28	1 59	19 33	0 8	14 8	0 42	21 25	1 59	7 6	7 30	4 37	16 23	6 20
S 19	2 24	9 32	4 15	0 35	1 25	7 27	7 36	5 13	0 27	22 49	0 31	13 29	1 59	19 33	0 8	14 8	0 42	21 25	1 59	7 8	7 31	4 35	16 22	6 20
S 20	2 47	12 41	4 48	0n20	1 17	7 4	7 28	5 31	0 26	22 49	0 31	13 30	1 59	19 34	0 8	14 8	0 42	21 25	1 59	7 9	7 32	4 34	16 22	6 21
M21	3 11	15 19	5 8	1 16	1 9	6 42	7 18	5 49	0 26	22 49	0 31	13 32	1 59	19 34	0 8	14 9	0 42	21 25	1 59	7 11	7 33	4 32	16 21	6 22
T 22	3 34	17 16	5 14	2 12	1 1	6 19	7 8	6 7	0 25	22 50	0 31	13 33	1 59	19 35	0 8	14 9	0 42	21 25	1 59	7 12	7 35	4 30	16 20	6 22
W23	3 57	18 24	5 4	3 10	0 52	5 56	6 57	6 24	0 24	22 50	0 31	13 34	1 59	19 36	0 8	14 10	0 42	21 25	1 59	7 13	7 36	4 28	16 19	6 23
T 24	4 20	18 35	4 38	4 7	0 43	5 33	6 46	6 42	0 24	22 50	0 31	13 35	1 59	19 36	0 8	14 10	0 42	21 26	1 59	7 13	7 37	4 26	16 19	6 23
F 25	4 44	17 42	3 57	5 5	0 33	5 11	6 34	7 0	0 23	22 50	0 31	13 36	1 59	19 37	0 8	14 10	0 42	21 26	1 59	7 13	7 38	4 25	16 18	6 24
S 26	5 7	15 45	3 0	6 4	0 23	4 49	6 22	7 17	0 23	22 50	0 31	13 36	1 59	19 37	0 8	14 11	0 42	21 26	1 59	7 13	7 40	4 23	16 17	6 24
S 27	5 29	12 47	1 51	7 2	0 12	4 27	6 10	7 35	0 22	22 50	0 31	13 37	1 59	19 38	0 8	14 11	0 42	21 26	1 59	7 12	7 41	4 21	16 17	6 25
M28	5 52	8 56	0 33	8 0	0 2	4 6	5 57	7 52	0 21	22 50	0 31	13 38	1 58	19 39	0 8	14 11	0 42	21 26	1 59	7 12	7 42	4 19	16 16	6 25
T 29	6 15	4 28	0s49	8 57	0n 9	3 46	5 43	8 10	0 21	22 50	0 31	13 39	1 58	19 39	0 8	14 11	0 42	21 26	1 59	7 12	7 43	4 17	16 15	6 26
W30	6 38	0n20	2 8	9 54	0 20	3 26	5 30	8 27	0 20	22 50	0 31	13 40	1 58	19 40	0 8	14 12	0 42	21 26	1 59	7 12	7 44	4 15	16 14	6 26
T 31	7n 0	5n 7	3s17	10n50	0n31	3n 8	5n16	8n44	0s19	22s50	0n31	13n41	1n58	19n41	0s 8	14n12	0n42	21s26	1n58	7n14	7n46	4n13	16s14	6n27

Julian Day Number = 2185715.5, Delta T = 11m08s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'24, Lahiri = 13°42'24 Julian Calendar 1 March 1272 == Greg. Calendar 8 March 1272

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ASTRODIENST EPHEMERIS for the year 1272
geocentric

APRIL 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 7 34	18♈45'10	5♉48	28♈47	25°R29	23♈53	23♐ 1	29°R 4	28♉ 7	24°R 5	5°R51	11°R33	10♍11	21♍53	15♎25	F 1
S 2	13 11 31	19°43'43	20°27	0♉49	25♓18	24°38	23°R 2	29♏ 2	28°10	24♏ 4	5♎51	11♍27	10° 8	21°59	15°26	S 2
S 3	13 15 27	20°42'13	4♊43	2°50	25°10	25°22	23° 1	29° 0	28°13	24° 3	5°50	11°21	10° 5	22° 6	15°27	S 3
M 4	13 19 24	21°40'41	18°31	4°47	25° 3	26° 6	23° 1	28°58	28°16	24° 2	5°50	11°16	10° 1	22°13	15°28	M 4
T 5	13 23 21	22°39'06	1♋51	6°43	24°59	26°50	23° 1	28°56	28°19	24° 2	5°50	11°12	9°58	22°19	15°29	T 5
W 6	13 27 17	23°37'30	14°45	8°35	24°D58	27°34	23° 0	28°54	28°22	24° 1	5°50	11°10	9°55	22°26	15°29	W 6
T 7	13 31 14	24°35'52	27°15	10°25	24°59	28°18	22°59	28°52	28°25	24° 0	5°50	11°D10	9°52	22°32	15°30	T 7
F 8	13 35 10	25°34'11	9♌28	12°11	25° 2	29° 2	22°58	28°51	28°28	24° 0	5°50	11°11	9°49	22°39	15°30	F 8
S 9	13 39 7	26°32'28	21°26	13°54	25° 7	29°46	22°57	28°49	28°31	23°59	5°49	11°12	9°46	22°46	15°31	S 9
S 10	13 43 3	27°30'43	3♍17	15°33	25°15	0♉30	22°55	28°48	28°34	23°58	5°49	11°13	9°42	22°52	15°31	S 10
M11	13 47 0	28°28'57	15° 3	17° 9	25°25	1°14	22°54	28°47	28°37	23°58	5°49	11°R14	9°39	22°59	15°31	M11
T 12	13 50 56	29°27'08	26°51	18°40	25°37	1°58	22°52	28°45	28°41	23°57	5°48	11°12	9°36	23° 6	15°32	T 12
W13	13 54 53	0♉25'17	8♎42	20° 8	25°51	2°42	22°50	28°44	28°44	23°57	5°48	11° 9	9°33	23°12	15°32	W13
T 14	13 58 49	1°23'24	20°40	21°31	26° 7	3°25	22°48	28°43	28°47	23°56	5°47	11° 3	9°30	23°19	15°R32	T 14
F 15	14 2 46	2°21'30	2♏47	22°50	26°25	4° 9	22°45	28°42	28°50	23°56	5°47	10°55	9°26	23°26	15°32	F 15
S 16	14 6 43	3°19'34	15° 4	24° 5	26°45	4°53	22°43	28°42	28°53	23°56	5°47	10°46	9°23	23°32	15°32	S 16
S 17	14 10 39	4°17'36	27°32	25°15	27° 6	5°36	22°40	28°41	28°57	23°55	5°46	10°36	9°20	23°39	15°32	S 17
M18	14 14 36	5°15'37	10♐11	26°21	27°30	6°20	22°37	28°40	29° 0	23°55	5°46	10°27	9°17	23°46	15°31	M18
T 19	14 18 32	6°13'36	23° 3	27°22	27°55	7° 3	22°34	28°40	29° 3	23°55	5°45	10°19	9°14	23°52	15°31	T 19
W20	14 22 29	7°11'34	6♑ 8	28°19	28°22	7°46	22°31	28°40	29° 7	23°54	5°44	10°13	9°11	23°59	15°31	W20
T 21	14 26 25	8° 9'31	19°26	29°11	28°50	8°30	22°27	28°39	29°10	23°54	5°44	10° 9	9° 7	24° 6	15°30	T 21
F 22	14 30 22	9° 7'26	2♒59	29°58	29°20	9°13	22°24	28°39	29°13	23°54	5°43	10° 7	9° 4	24°12	15°30	F 22
S 23	14 34 18	10° 5'20	16°48	0♊41	29°51	9°56	22°20	28°D39	29°17	23°54	5°42	10°D 7	9° 1	24°19	15°29	S 23
S 24	14 38 15	11° 3'13	0♓54	1°18	0♈24	10°39	22°16	28°39	29°20	23°54	5°42	10° 8	8°58	24°25	15°28	S 24
M25	14 42 12	12° 1'04	15°15	1°51	0°58	11°22	22°12	28°39	29°23	23°54	5°41	10°R 8	8°55	24°32	15°28	M25
T 26	14 46 8	12°58'54	29°51	2°19	1°33	12° 5	22° 8	28°40	29°27	23°54	5°40	10° 7	8°52	24°39	15°27	T 26
W27	14 50 5	13°56'43	14♈35	2°42	2°10	12°48	22° 3	28°40	29°30	23°D54	5°40	10° 3	8°48	24°45	15°26	W27
T 28	14 54 1	14°54'31	29°23	3° 0	2°48	13°31	21°59	28°40	29°34	23°54	5°39	9°56	8°45	24°52	15°25	T 28
F 29	14 57 58	15°52'17	14♉ 7	3°13	3°26	14°14	21°54	28°41	29°37	23°54	5°38	9°48	8°42	24°59	15°24	F 29
S 30	15 1 54	16♉50'02	28♉39	3♊21	4♈ 6	14♉57	21♐49	28♏42	29♉41	23♏54	5♎37	9♍38	8♍39	25♍ 5	15♎22	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n22	9n32	4s13	11n45	0n42	2n50	5n 3	9n 1	0s19	22s50	0n30	13n41	1n58	19n41	0s 8	14n12	0n42	21s26	1n58	7n16	7n47	4n12	16s13	6n28
S 2	7 45	13 16	4 51	12 38	0 53	2 33	4 49	9 18	0 18	22 50	0 30	13 42	1 58	19 42	0 8	14 13	0 42	21 26	1 58	7 18	7 48	4 10	16 12	6 28
S 3	8 7	16 6	5 9	13 30	1 4	2 17	4 35	9 35	0 17	22 50	0 30	13 43	1 58	19 43	0 8	14 13	0 42	21 26	1 58	7 20	7 49	4 8	16 12	6 29
M 4	8 29	17 55	5 8	14 20	1 14	2 2	4 22	9 51	0 17	22 50	0 30	13 43	1 58	19 43	0 8	14 13	0 42	21 26	1 58	7 22	7 50	4 6	16 11	6 29
T 5	8 51	18 40	4 51	15 8	1 25	1 48	4 8	10 8	0 16	22 50	0 30	13 44	1 58	19 44	0 8	14 13	0 42	21 26	1 58	7 23	7 52	4 4	16 10	6 30
W 6	9 12	18 25	4 19	15 54	1 34	1 35	3 54	10 24	0 16	22 50	0 30	13 44	1 58	19 45	0 8	14 13	0 42	21 26	1 58	7 24	7 53	4 2	16 10	6 30
T 7	9 34	17 15	3 36	16 38	1 44	1 23	3 41	10 41	0 15	22 50	0 30	13 45	1 57	19 45	0 8	14 14	0 42	21 26	1 58	7 24	7 54	4 1	16 9	6 31
F 8	9 55	15 19	2 44	17 20	1 52	1 12	3 28	10 57	0 14	22 50	0 30	13 45	1 57	19 46	0 8	14 14	0 42	21 26	1 58	7 24	7 55	3 59	16 9	6 31
S 9	10 17	12 45	1 45	17 59	2 0	1 2	3 14	11 13	0 14	22 50	0 30	13 46	1 57	19 47	0 8	14 14	0 42	21 26	1 58	7 23	7 56	3 57	16 8	6 32
S 10	10 38	9 40	0 43	18 36	2 8	0 53	3 2	11 29	0 13	22 50	0 30	13 46	1 57	19 47	0 8	14 14	0 42	21 26	1 58	7 23	7 58	3 55	16 7	6 33
M11	10 59	6 14	0n21	19 10	2 15	0 45	2 49	11 45	0 12	22 50	0 30	13 46	1 57	19 48	0 8	14 14	0 42	21 26	1 58	7 23	7 59	3 53	16 7	6 33
T 12	11 19	2 32	1 24	19 42	2 21	0 38	2 36	12 1	0 12	22 50	0 30	13 47	1 57	19 49	0 8	14 15	0 42	21 26	1 58	7 23	8 0	3 51	16 6	6 34
W13	11 40	1s17	2 23	20 11	2 26	0 33	2 24	12 17	0 11	22 50	0 30	13 47	1 57	19 50	0 8	14 15	0 42	21 26	1 58	7 25	8 1	3 50	16 6	6 34
T 14	12 0	5 4	3 16	20 38	2 30	0 28	2 12	12 32	0 10	22 50	0 30	13 47	1 57	19 50	0 8	14 15	0 42	21 26	1 58	7 27	8 2	3 48	16 5	6 35
F 15	12 20	8 42	4 1	21 2	2 34	0 24	2 0	12 48	0 10	22 50	0 30	13 47	1 57	19 51	0 8	14 15	0 42	21 27	1 58	7 30	8 4	3 46	16 5	6 35
S 16	12 40	12 1	4 36	21 23	2 36	0 22	1 49	13 3	0 9	22 50	0 30	13 47	1 56	19 52	0 8	14 15	0 42	21 27	1 58	7 33	8 5	3 44	16 4	6 36
S 17	13 0	14 51	4 58	21 42	2 38	0 20	1 37	13 18	0 9	22 50	0 30	13 48	1 56	19 52	0 8	14 15	0 42	21 27	1 58	7 37	8 6	3 42	16 4	6 36
M18	13 20	17 1	5 6	21 59	2 39	0 19	1 26	13 33	0 8	22 50	0 30	13 48	1 56	19 53	0 8	14 15	0 42	21 27	1 58	7 41	8 7	3 40	16 3	6 37
T 19	13 39	18 23	4 58	22 13	2 38	0 19	1 16	13 48	0 7	22 50	0 30	13 48	1 56	19 54	0 8	14 15	0 42	21 27	1 58	7 44	8 8	3 38	16 2	6 38
W20	13 58	18 48	4 35	22 25	2 37	0 21	1 5	14 3	0 7	22 49	0 30	13 48	1 56	19 55	0 8	14 15	0 42	21 27	1 58	7 46	8 10	3 37	16 2	6 38
T 21	14 17	18 12	3 57	22 34	2 35	0 22	0 55	14 18	0 6	22 49	0 30	13 48	1 56	19 55	0 8	14 16	0 42	21 27	1 58	7 48	8 11	3 35	16 1	6 39
F 22	14 35	16 34	3 5	22 41	2 31	0 25	0 45	14 32	0 5	22 49	0 30	13 48	1 56	19 56	0 8	14 16	0 42	21 27	1 58	7 48	8 12	3 33	16 1	6 39
S 23	14 54	13 56	2 2	22 46	2 27	0 29	0 35	14 46	0 5	22 49	0 30	13 47	1 55	19 57	0 8	14 16	0 42	21 27	1 57	7 48	8 13	3 31	16 1	6 40
S 24	15 12	10 26	0 49	22 49	2 22	0 33	0 26	15 1	0 4	22 49	0 30	13 47	1 55	19 58	0 8	14 16	0 42	21 27	1 57	7 48	8 14	3 29	16 0	6 40
M25	15 30	6 15	0s27	22 49	2 15	0 39	0 17	15 15	0 3	22 49	0 29	13 47	1 55	19 58	0 8	14 16	0 42	21 27	1 57	7 48	8 16	3 27	16 0	6 41
T 26	15 48	1 38	1 43	22 47	2 8	0 45	0 8	15 29	0 3	22 48	0 29	13 47	1 55	19 59	0 8	14 16	0 42	21 27	1 57	7 48	8 17	3 25	15 59	6 41
W27	16 5	3n 7	2 53	22 43	1 59	0 51	0s 1	15 42	0 2	22 48	0 29	13 47	1 55	20 0	0 8	14 16	0 42	21 27	1 57	7 50	8 18	3 23	15 59	6 42
T 28	16 22	7 42	3 51	22 38	1 49	0 59	0 9	15 56	0 2	22 48	0 29	13 46	1 55	20 1	0 8	14 16	0 42	21 27	1 57	7 52	8 19	3 22	15 58	6 42
F 29	16 39	11 47	4 34	22 30	1 39	1 7	0 17	16 9	0 1	22 48	0 29	13 46	1 55	20 1	0 8	14 16	0 42	21 28	1 57	7 56	8 20	3 20	15 58	6 43
S 30	16n56	15n 6	4s58	22n20	1n27	1n16	0s25	16n23	0s 0	22s48	0n29	13n46	1n55	20n 2	0s 8	14n16	0n42	21s28	1n57	7n59	8n22	3n18	15s58	6n43

Julian Day Number = 2185746.5, Delta T = 11m08s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'28, Lahiri = 13°42'29 Julian Calendar 1 Apr. 1272 == Greg. Calendar 8 Apr. 1272

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ASTRODIENST EPHEMERIS for the year 1272
geocentric

MAY 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 5 51	17♉47'46	12♊51	3°R25	4♈47	15♉40	21°R44	28♌42	29♉44	23♌54	5°R36	9°R27	8♍36	25♍12	15°R21	S 1
M 2	15 9 47	18°45'28	26°39	3♊23	5°29	16°23	21♐39	28°43	29°48	23°54	5♏35	9♍18	8°32	25°19	15♏20	M 2
T 3	15 13 44	19°43'09	10♋ 1	3°17	6°12	17° 6	21°33	28°44	29°51	23°54	5°35	9°10	8°29	25°25	15°19	T 3
W 4	15 17 41	20°40'48	22°57	3° 7	6°56	17°48	21°28	28°45	29°55	23°54	5°34	9° 5	8°26	25°32	15°17	W 4
T 5	15 21 37	21°38'25	5♌30	2°52	7°41	18°31	21°22	28°47	29°58	23°55	5°33	9° 2	8°23	25°39	15°16	T 5
F 6	15 25 34	22°36'01	17°43	2°34	8°27	19°13	21°17	28°48	0♊ 2	23°55	5°32	9°D 0	8°20	25°45	15°14	F 6
S 7	15 29 30	23°33'36	29°43	2°12	9°13	19°56	21°11	28°49	0° 5	23°55	5°31	9° 0	8°17	25°52	15°12	S 7
S 8	15 33 27	24°31'09	11♍34	1°46	10° 0	20°38	21° 5	28°51	0° 9	23°56	5°30	9°R 1	8°13	25°59	15°11	S 8
M 9	15 37 23	25°28'41	23°22	1°18	10°48	21°21	20°59	28°52	0°12	23°56	5°29	9° 0	8°10	26° 5	15° 9	M 9
T 10	15 41 20	26°26'11	5♎11	0°48	11°37	22° 3	20°52	28°54	0°16	23°56	5°28	8°57	8° 7	26°12	15° 7	T 10
W11	15 45 16	27°23'40	17° 7	0°16	12°27	22°45	20°46	28°56	0°19	23°57	5°26	8°52	8° 4	26°19	15° 5	W11
T 12	15 49 13	28°21'07	29°12	29♉43	13°17	23°28	20°39	28°58	0°23	23°57	5°25	8°44	8° 1	26°25	15° 3	T 12
F 13	15 53 10	29°18'34	11♏30	29°10	14° 8	24°10	20°33	29° 0	0°26	23°58	5°24	8°34	7°58	26°32	15° 1	F 13
S 14	15 57 6	0♊15'59	24° 1	28°36	14°59	24°52	20°26	29° 2	0°30	23°58	5°23	8°22	7°54	26°39	14°59	S 14
S 15	16 1 3	1°13'24	6♐46	28° 3	15°51	25°34	20°19	29° 4	0°33	23°59	5°22	8° 9	7°51	26°45	14°57	S 15
M16	16 4 59	2°10'47	19°46	27°31	16°44	26°16	20°13	29° 7	0°37	23°59	5°21	7°57	7°48	26°52	14°55	M16
T 17	16 8 56	3° 8'10	2♏58	27° 1	17°37	26°58	20° 6	29° 9	0°40	24° 0	5°20	7°46	7°45	26°58	14°52	T 17
W18	16 12 52	4° 5'32	16°22	26°33	18°31	27°40	19°59	29°11	0°44	24° 1	5°18	7°37	7°42	27° 5	14°50	W18
T 19	16 16 49	5° 2'53	29°55	26° 7	19°25	28°22	19°52	29°14	0°47	24° 1	5°17	7°32	7°38	27°12	14°48	T 19
F 20	16 20 45	6° 0'14	13♒39	25°45	20°20	29° 4	19°44	29°17	0°51	24° 2	5°16	7°29	7°35	27°18	14°45	F 20
S 21	16 24 42	6°57'34	27°31	25°26	21°16	29°45	19°37	29°19	0°54	24° 3	5°15	7°28	7°32	27°25	14°43	S 21
S 22	16 28 39	7°54'53	11♓33	25°11	22°11	0♊27	19°30	29°22	0°58	24° 4	5°13	7°28	7°29	27°32	14°40	S 22
M23	16 32 35	8°52'12	25°43	25° 0	23° 8	1° 9	19°22	29°25	1° 1	24° 4	5°12	7°27	7°26	27°38	14°37	M23
T 24	16 36 32	9°49'31	10♈ 0	24°53	24° 4	1°51	19°15	29°28	1° 5	24° 5	5°11	7°25	7°23	27°45	14°35	T 24
W25	16 40 28	10°46'49	24°23	24°D50	25° 2	2°32	19° 8	29°31	1° 8	24° 6	5° 9	7°21	7°19	27°52	14°32	W25
T 26	16 44 25	11°44'07	8♉46	24°52	25°59	3°14	19° 0	29°35	1°12	24° 7	5° 8	7°14	7°16	27°58	14°29	T 26
F 27	16 48 21	12°41'24	23° 7	24°59	26°57	3°55	18°52	29°38	1°15	24° 8	5° 7	7° 4	7°13	28° 5	14°26	F 27
S 28	16 52 18	13°38'41	7♊17	25°10	27°56	4°37	18°45	29°41	1°19	24° 9	5° 5	6°53	7°10	28°12	14°23	S 28
S 29	16 56 14	14°35'58	21°13	25°25	28°54	5°18	18°37	29°45	1°22	24°10	5° 4	6°41	7° 7	28°18	14°20	S 29
M30	17 0 11	15°33'14	4♋49	25°46	29°54	5°59	18°30	29°49	1°26	24°11	5° 3	6°30	7° 4	28°25	14°17	M30
T 31	17 4 8	16♊30'29	18♋ 4	26♉10	0♉53	6♊41	18♐22	29♌52	1♊29	24♌12	5♏ 1	6♍21	7♍ 0	28♍32	14♏14	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n12	17n25	5s 3	22n 8	1n14	1n25	0s32	16n36	0n 0	22s47	0n29	13n45	1n54	20n 3	0s 8	14n16	0n42	21s28	1n57	8n 3	8n23	3n16	15s57	6n44
M 2	17 28	18 40	4 50	21 54	1 1	1 35	0 40	16 49	0 1	22 47	0 29	13 45	1 54	20 4	0 8	14 15	0 42	21 28	1 57	8 7	8 24	3 14	15 57	6 44
T 3	17 44	18 49	4 21	21 39	0 46	1 45	0 47	17 2	0 2	22 47	0 29	13 44	1 54	20 4	0 8	14 15	0 41	21 28	1 57	8 10	8 25	3 12	15 57	6 45
W 4	17 59	17 58	3 39	21 22	0 31	1 57	0 54	17 14	0 2	22 46	0 29	13 44	1 54	20 5	0 8	14 15	0 41	21 28	1 57	8 12	8 26	3 10	15 56	6 45
T 5	18 15	16 15	2 48	21 4	0 15	2 8	1 0	17 27	0 3	22 46	0 29	13 43	1 54	20 6	0 8	14 15	0 41	21 28	1 57	8 13	8 27	3 8	15 56	6 46
F 6	18 30	13 49	1 51	20 44	0s 1	2 21	1 7	17 39	0 3	22 46	0 29	13 43	1 54	20 7	0 8	14 15	0 41	21 28	1 57	8 13	8 29	3 7	15 56	6 46
S 7	18 44	10 51	0 49	20 23	0 18	2 33	1 13	17 51	0 4	22 46	0 29	13 42	1 54	20 7	0 8	14 15	0 41	21 28	1 57	8 13	8 30	3 5	15 55	6 47
S 8	18 58	7 28	0n14	20 1	0 35	2 46	1 19	18 3	0 5	22 45	0 29	13 41	1 53	20 8	0 8	14 15	0 41	21 28	1 57	8 13	8 31	3 3	15 55	6 47
M 9	19 12	3 48	1 16	19 39	0 53	3 0	1 24	18 15	0 5	22 45	0 28	13 41	1 53	20 9	0 8	14 15	0 41	21 29	1 57	8 14	8 32	3 1	15 55	6 48
T 10	19 26	0s 1	2 14	19 15	1 10	3 14	1 30	18 27	0 6	22 45	0 28	13 40	1 53	20 10	0 8	14 15	0 41	21 29	1 57	8 15	8 33	2 59	15 54	6 48
W11	19 39	3 52	3 7	18 52	1 27	3 29	1 35	18 38	0 7	22 44	0 28	13 39	1 53	20 10	0 8	14 14	0 41	21 29	1 57	8 17	8 35	2 57	15 54	6 49
T 12	19 52	7 36	3 53	18 28	1 44	3 44	1 40	18 50	0 7	22 44	0 28	13 38	1 53	20 11	0 8	14 14	0 41	21 29	1 56	8 20	8 36	2 55	15 54	6 49
F 13	20 5	11 5	4 28	18 5	2 1	3 59	1 45	19 1	0 8	22 44	0 28	13 38	1 53	20 12	0 7	14 14	0 41	21 29	1 56	8 23	8 37	2 53	15 54	6 50
S 14	20 17	14 8	4 51	17 42	2 17	4 15	1 49	19 12	0 8	22 43	0 28	13 37	1 53	20 13	0 7	14 14	0 41	21 29	1 56	8 28	8 38	2 52	15 54	6 50
S 15	20 29	16 35	5 0	17 20	2 32	4 31	1 54	19 22	0 9	22 43	0 28	13 36	1 52	20 13	0 7	14 14	0 41	21 29	1 56	8 33	8 39	2 50	15 53	6 51
M16	20 41	18 15	4 54	16 59	2 47	4 47	1 58	19 33	0 10	22 42	0 28	13 35	1 52	20 14	0 7	14 14	0 41	21 29	1 56	8 37	8 41	2 48	15 53	6 51
T 17	20 52	18 57	4 32	16 39	3 0	5 4	2 2	19 43	0 10	22 42	0 28	13 34	1 52	20 15	0 7	14 13	0 41	21 29	1 56	8 41	8 42	2 46	15 53	6 51
W18	21 3	18 38	3 55	16 20	3 12	5 21	2 6	19 54	0 11	22 42	0 28	13 33	1 52	20 16	0 7	14 13	0 41	21 29	1 56	8 45	8 43	2 44	15 53	6 52
T 19	21 13	17 14	3 5	16 3	3 24	5 38	2 9	20 4	0 12	22 41	0 27	13 32	1 52	20 16	0 7	14 13	0 41	21 30	1 56	8 47	8 44	2 42	15 53	6 52
F 20	21 24	14 50	2 2	15 48	3 34	5 55	2 13	20 13	0 12	22 41	0 27	13 31	1 52	20 17	0 7	14 13	0 41	21 30	1 56	8 48	8 45	2 40	15 52	6 53
S 21	21 33	11 34	0 52	15 35	3 43	6 13	2 16	20 23	0 13	22 40	0 27	13 30	1 52	20 18	0 7	14 12	0 41	21 30	1 56	8 48	8 47	2 38	15 52	6 53
S 22	21 43	7 36	0s22	15 25	3 50	6 31	2 19	20 33	0 13	22 40	0 27	13 29	1 52	20 19	0 7	14 12	0 41	21 30	1 56	8 48	8 48	2 36	15 52	6 53
M23	21 52	3 10	1 35	15 16	3 56	6 49	2 22	20 42	0 14	22 39	0 27	13 27	1 51	20 19	0 7	14 12	0 41	21 30	1 56	8 48	8 49	2 35	15 52	6 54
T 24	22 1	1n29	2 43	15 9	4 1	7 8	2 25	20 51	0 15	22 39	0 27	13 26	1 51	20 20	0 7	14 11	0 41	21 30	1 56	8 49	8 50	2 33	15 52	6 54
W25	22 9	6 4	3 41	15 5	4 5	7 26	2 27	21 0	0 15	22 38	0 27	13 25	1 51	20 21	0 7	14 11	0 41	21 30	1 56	8 51	8 51	2 31	15 52	6 54
T 26	22 17	10 18	4 25	15 3	4 8	7 45	2 30	21 8	0 16	22 38	0 27	13 24	1 51	20 21	0 7	14 11	0 41	21 30	1 55	8 53	8 52	2 29	15 52	6 55
F 27	22 24	13 54	4 52	15 3	4 9	8 4	2 32	21 17	0 16	22 37	0 27	13 22	1 51	20 22	0 7	14 11	0 41	21 31	1 55	8 57	8 54	2 27	15 52	6 55
S 28	22 32	16 40	5 1	15 6	4 9	8 23	2 34	21 25	0 17	22 37	0 26	13 21	1 51	20 23	0 7	14 10	0 41	21 31	1 55	9 1	8 55	2 25	15 52	6 56
S 29	22 38	18 24	4 51	15 10	4 8	8 42	2 36	21 33	0 18	22 36	0 26	13 20	1 51	20 24	0 7	14 10	0 41	21 31	1 55	9 6	8 56	2 23	15 52	6 56
M30	22 45	19 1	4 25	15 17	4 6	9 1	2 38	21 41	0 18	22 36	0 26	13 18	1 51	20 24	0 7	14 9	0 41	21 31	1 55	9 10	8 57	2 21	15 52	6 56
T 31	22n51	18n35	3s46	15n26	4s 3	9n20	2s39	21n49	0n19	22s35	0n26	13n17	1n50	20n25	0s 7	14n 9	0n41	21s31	1n55	9n13	8n58	2n19	15s52	6n56

Julian Day Number = 2185776.5, Delta T = 11m08s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'32, Lahiri = 13°42'33 Julian Calendar 1 May 1272 == Greg. Calendar 8 May 1272

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1272
geocentric

JUNE 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 8 4	17♊27'44	0♌56	26♉40	1♉53	7♊22	18°R14	29♌56	1♊33	24♌13	5°R 0	6°R14	6♍57	28♍38	14°R11	W 1
T 2	17 12 1	18°24'58	13°27	27°13	2°53	8° 3	18♐ 7	29°59	1°36	24°14	4♑59	6♍10	6°54	28°45	14♑ 8	T 2
F 3	17 15 57	19°22'11	25°41	27°51	3°53	8°44	17°59	0♍ 4	1°39	24°15	4°57	6° 8	6°51	28°52	14° 5	F 3
S 4	17 19 54	20°19'24	7♍41	28°34	4°54	9°26	17°51	0° 8	1°43	24°17	4°56	6°D 8	6°48	28°58	14° 2	S 4
S 5	17 23 50	21°16'36	19°33	29°20	5°55	10° 7	17°44	0°12	1°46	24°18	4°54	6°R 8	6°44	29° 5	13°59	S 5
M 6	17 27 47	22°13'47	1♎22	0♊11	6°56	10°48	17°36	0°16	1°50	24°19	4°53	6° 7	6°41	29°12	13°56	M 6
T 7	17 31 43	23°10'58	13°13	1° 6	7°58	11°29	17°28	0°20	1°53	24°20	4°51	6° 6	6°38	29°18	13°52	T 7
W 8	17 35 40	24° 8'08	25°12	2° 5	9° 0	12°10	17°21	0°25	1°56	24°21	4°50	6° 2	6°35	29°25	13°49	W 8
T 9	17 39 37	25° 5'18	7♏23	3° 8	10° 2	12°50	17°13	0°29	2° 0	24°23	4°48	5°55	6°32	29°32	13°46	T 9
F 10	17 43 33	26° 2'28	19°49	4°15	11° 4	13°31	17° 6	0°34	2° 3	24°24	4°47	5°47	6°29	29°38	13°42	F 10
S 11	17 47 30	26°59'37	2♐32	5°26	12° 7	14°12	16°58	0°38	2° 6	24°25	4°46	5°36	6°25	29°45	13°39	S 11
S 12	17 51 26	27°56'47	15°34	6°41	13°10	14°53	16°51	0°43	2° 9	24°27	4°44	5°25	6°22	29°52	13°35	S 12
M13	17 55 23	28°53'56	28°53	7°59	14°13	15°33	16°43	0°47	2°13	24°28	4°43	5°15	6°19	29°58	13°32	M13
T 14	17 59 19	29°51'05	12♑28	9°21	15°16	16°14	16°36	0°52	2°16	24°30	4°41	5° 5	6°16	0♎ 5	13°28	T 14
W15	18 3 16	0♋48'14	26°16	10°47	16°20	16°55	16°29	0°57	2°19	24°31	4°40	4°58	6°13	0°11	13°25	W15
T 16	18 7 13	1°45'23	10♒13	12°17	17°24	17°35	16°22	1° 2	2°22	24°33	4°38	4°53	6° 9	0°18	13°21	T 16
F 17	18 11 9	2°42'32	24°16	13°50	18°28	18°16	16°15	1° 7	2°26	24°34	4°37	4°51	6° 6	0°25	13°18	F 17
S 18	18 15 6	3°39'42	8♓23	15°27	19°32	18°56	16° 8	1°12	2°29	24°36	4°35	4°D50	6° 3	0°31	13°14	S 18
S 19	18 19 2	4°36'52	22°32	17° 7	20°37	19°37	16° 1	1°17	2°32	24°37	4°34	4°51	6° 0	0°38	13°11	S 19
M20	18 22 59	5°34'02	6♈41	18°51	21°41	20°17	15°54	1°22	2°35	24°39	4°32	4°R51	5°57	0°45	13° 7	M20
T 21	18 26 55	6°31'13	20°49	20°38	22°46	20°57	15°47	1°28	2°38	24°40	4°31	4°50	5°54	0°51	13° 4	T 21
W22	18 30 52	7°28'24	4♉55	22°28	23°51	21°38	15°40	1°33	2°41	24°42	4°29	4°48	5°50	0°58	13° 0	W22
T 23	18 34 48	8°25'37	18°57	24°21	24°57	22°18	15°34	1°38	2°44	24°44	4°28	4°42	5°47	1° 5	12°56	T 23
F 24	18 38 45	9°22'49	2♊51	26°16	26° 2	22°58	15°27	1°44	2°47	24°45	4°26	4°35	5°44	1°11	12°53	F 24
S 25	18 42 42	10°20'02	16°36	28°14	27° 8	23°38	15°21	1°50	2°50	24°47	4°25	4°27	5°41	1°18	12°49	S 25
S 26	18 46 38	11°17'16	0♋ 8	0♋15	28°13	24°19	15°15	1°55	2°53	24°49	4°23	4°18	5°38	1°25	12°46	S 26
M27	18 50 35	12°14'30	13°24	2°17	29°19	24°59	15° 8	2° 1	2°56	24°50	4°22	4°10	5°35	1°31	12°42	M27
T 28	18 54 31	13°11'44	26°22	4°21	0♊25	25°39	15° 2	2° 7	2°59	24°52	4°20	4° 3	5°31	1°38	12°38	T 28
W29	18 58 28	14° 8'59	9♌ 3	6°26	1°32	26°19	14°57	2°12	3° 2	24°54	4°19	3°58	5°28	1°45	12°35	W29
T 30	19 2 24	15♋ 6'14	21♌28	8♋33	2♊38	26♊59	14♐51	2♍18	3♊ 5	24♌56	4♑17	3♍55	5♍25	1♎51	12♑31	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n56	17n11	2s55	15n36	3s59	9n40	2s41	21n57	0n19	22s35	0n26	13n15	1n50	20n26	0s 7	14n 9	0n41	21s31	1n55	9n16	9n 0	2n17	15s52	6n57
T 2	23 1	14 58	1 57	15 49	3 54	9 59	2 42	22 4	0 20	22 34	0 26	13 14	1 50	20 26	0 7	14 8	0 41	21 31	1 55	9 17	9 1	2 16	15 52	6 57
F 3	23 6	12 9	0 55	16 3	3 49	10 18	2 43	22 11	0 21	22 34	0 26	13 12	1 50	20 27	0 7	14 8	0 41	21 32	1 55	9 18	9 2	2 14	15 52	6 57
S 4	23 11	8 51	0n 8	16 18	3 42	10 38	2 44	22 18	0 21	22 33	0 25	13 11	1 50	20 28	0 7	14 8	0 41	21 32	1 55	9 18	9 3	2 12	15 52	6 58
S 5	23 15	5 14	1 11	16 35	3 35	10 57	2 45	22 25	0 22	22 32	0 25	13 9	1 50	20 29	0 7	14 7	0 41	21 32	1 55	9 18	9 4	2 10	15 52	6 58
M 6	23 18	1 27	2 10	16 54	3 27	11 17	2 46	22 31	0 22	22 32	0 25	13 8	1 50	20 29	0 7	14 7	0 41	21 32	1 55	9 18	9 5	2 8	15 52	6 58
T 7	23 21	2s25	3 4	17 13	3 18	11 36	2 46	22 38	0 23	22 31	0 25	13 6	1 50	20 30	0 7	14 6	0 41	21 32	1 55	9 19	9 7	2 6	15 52	6 58
W 8	23 24	6 13	3 50	17 34	3 9	11 55	2 47	22 44	0 24	22 31	0 25	13 5	1 49	20 31	0 7	14 6	0 41	21 32	1 54	9 20	9 8	2 4	15 52	6 59
T 9	23 26	9 50	4 26	17 56	3 0	12 14	2 47	22 50	0 24	22 30	0 25	13 3	1 49	20 31	0 7	14 5	0 41	21 32	1 54	9 22	9 9	2 2	15 52	6 59
F 10	23 28	13 5	4 51	18 18	2 49	12 34	2 47	22 55	0 25	22 30	0 25	13 1	1 49	20 32	0 7	14 5	0 41	21 32	1 54	9 26	9 10	2 0	15 52	6 59
S 11	23 30	15 48	5 2	18 41	2 39	12 53	2 47	23 1	0 25	22 29	0 24	12 59	1 49	20 33	0 7	14 5	0 41	21 33	1 54	9 29	9 11	1 58	15 53	6 59
S 12	23 31	17 48	4 58	19 5	2 28	13 12	2 47	23 6	0 26	22 28	0 24	12 58	1 49	20 33	0 7	14 4	0 41	21 33	1 54	9 34	9 13	1 56	15 53	7 0
M13	23 32	18 54	4 38	19 29	2 16	13 31	2 47	23 11	0 27	22 28	0 24	12 56	1 49	20 34	0 7	14 4	0 41	21 33	1 54	9 37	9 14	1 55	15 53	7 0
T 14	23 32	18 56	4 1	19 53	2 4	13 49	2 46	23 16	0 27	22 27	0 24	12 54	1 49	20 35	0 7	14 3	0 41	21 33	1 54	9 41	9 15	1 53	15 53	7 0
W15	23 32	17 52	3 10	20 18	1 52	14 8	2 46	23 21	0 28	22 27	0 24	12 52	1 49	20 35	0 7	14 3	0 41	21 33	1 54	9 44	9 16	1 51	15 53	7 0
T 16	23 31	15 42	2 8	20 42	1 40	14 27	2 45	23 25	0 28	22 26	0 24	12 50	1 49	20 36	0 7	14 2	0 41	21 33	1 54	9 45	9 17	1 49	15 53	7 0
F 17	23 30	12 36	0 56	21 6	1 28	14 45	2 45	23 29	0 29	22 26	0 24	12 49	1 49	20 36	0 7	14 2	0 41	21 34	1 54	9 46	9 18	1 47	15 53	7 0
S 18	23 29	8 45	0s19	21 29	1 15	15 3	2 44	23 33	0 29	22 25	0 23	12 47	1 48	20 37	0 7	14 1	0 41	21 34	1 53	9 46	9 20	1 45	15 54	7 0
S 19	23 27	4 24	1 33	21 52	1 3	15 21	2 43	23 37	0 30	22 25	0 23	12 45	1 48	20 38	0 7	14 1	0 41	21 34	1 53	9 46	9 21	1 43	15 54	7 1
M20	23 25	0n11	2 42	22 14	0 50	15 39	2 42	23 41	0 31	22 24	0 23	12 43	1 48	20 38	0 7	14 0	0 41	21 34	1 53	9 46	9 22	1 41	15 54	7 1
T 21	23 22	4 45	3 41	22 34	0 38	15 56	2 41	23 44	0 31	22 23	0 23	12 41	1 48	20 39	0 7	13 59	0 41	21 34	1 53	9 46	9 23	1 39	15 54	7 1
W22	23 19	9 2	4 26	22 54	0 25	16 14	2 40	23 48	0 32	22 23	0 23	12 39	1 48	20 40	0 7	13 59	0 41	21 34	1 53	9 47	9 24	1 37	15 55	7 1
T 23	23 16	12 48	4 54	23 11	0 13	16 31	2 39	23 51	0 32	22 22	0 23	12 37	1 48	20 40	0 7	13 58	0 41	21 34	1 53	9 49	9 25	1 35	15 55	7 1
F 24	23 12	15 49	5 6	23 27	0 2	16 47	2 37	23 54	0 33	22 22	0 22	12 35	1 48	20 41	0 7	13 58	0 41	21 35	1 53	9 52	9 27	1 33	15 55	7 1
S 25	23 8	17 54	4 59	23 41	0n10	17 4	2 36	23 56	0 33	22 21	0 22	12 33	1 48	20 41	0 7	13 57	0 41	21 35	1 53	9 55	9 28	1 31	15 55	7 1
S 26	23 3	18 56	4 36	23 53	0 21	17 20	2 34	23 59	0 34	22 21	0 22	12 30	1 48	20 42	0 7	13 57	0 41	21 35	1 53	9 58	9 29	1 30	15 56	7 1
M27	22 58	18 55	3 58	24 2	0 32	17 36	2 32	24 1	0 35	22 20	0 22	12 28	1 48	20 42	0 7	13 56	0 41	21 35	1 53	10 1	9 30	1 28	15 56	7 1
T 28	22 52	17 53	3 8	24 9	0 42	17 52	2 31	24 3	0 35	22 20	0 22	12 26	1 48	20 43	0 7	13 55	0 41	21 35	1 52	10 4	9 31	1 26	15 56	7 1
W29	22 47	15 58	2 10	24 13	0 51	18 7	2 29	24 5	0 36	22 19	0 22	12 24	1 48	20 44	0 7	13 55	0 41	21 35	1 52	10 6	9 32	1 24	15 57	7 1
T 30	22n40	13n21	1s 7	24n15	1n 0	18n22	2s27	24n 6	0n36	22s19	0n21	12n22	1n47	20n44	0s 7	13n54	0n41	21s36	1n52	10n 7	9n34	1n22	15s57	7n 1

Julian Day Number = 2185807.5, Delta T = 11m08s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'37, Lahiri = 13°42'37 Julian Calendar 1 June 1272 == Greg. Calendar 8 June 1272

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ASTRODIENST EPHEMERIS for the year 1272
geocentric

JULY 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 6 21	16♋ 3'29	3♍37	10♋40	3♊45	27♊38	14°R45	2♍24	3♊ 7	24♎58	4°R16	3°D54	5♍22	1♎58	12°R28	F 1
S 2	19 10 17	17° 0'45	15°36	12°48	4°51	28°18	14♐40	2°30	3°10	24°59	4♑14	3♍55	5°19	2° 5	12♑24	S 2
S 3	19 14 14	17°58'01	27°27	14°56	5°58	28°58	14°34	2°36	3°13	25° 1	4°13	3°56	5°15	2°11	12°20	S 3
M 4	19 18 11	18°55'17	9♎16	17° 3	7° 5	29°38	14°29	2°42	3°16	25° 3	4°12	3°57	5°12	2°18	12°17	M 4
T 5	19 22 7	19°52'34	21° 8	19°11	8°12	0♋18	14°24	2°48	3°18	25° 5	4°10	3°R58	5° 9	2°25	12°13	T 5
W 6	19 26 4	20°49'51	3♏ 8	21°18	9°20	0°57	14°19	2°54	3°21	25° 7	4° 9	3°57	5° 6	2°31	12°10	W 6
T 7	19 30 0	21°47'08	15°21	23°24	10°27	1°37	14°15	3° 1	3°24	25° 9	4° 7	3°54	5° 3	2°38	12° 6	T 7
F 8	19 33 57	22°44'26	27°50	25°29	11°35	2°17	14°10	3° 7	3°26	25°11	4° 6	3°50	5° 0	2°45	12° 3	F 8
S 9	19 37 53	23°41'45	10♐40	27°33	12°42	2°56	14° 6	3°13	3°29	25°13	4° 5	3°44	4°56	2°51	11°59	S 9
S 10	19 41 50	24°39'04	23°51	29°35	13°50	3°36	14° 1	3°20	3°31	25°15	4° 3	3°38	4°53	2°58	11°56	S 10
M11	19 45 46	25°36'24	7♑25	1♏37	14°58	4°15	13°57	3°26	3°34	25°17	4° 2	3°32	4°50	3° 5	11°52	M11
T 12	19 49 43	26°33'45	21°19	3°37	16° 6	4°55	13°53	3°32	3°36	25°19	4° 0	3°27	4°47	3°11	11°49	T 12
W13	19 53 40	27°31'06	5♒29	5°35	17°14	5°34	13°49	3°39	3°39	25°21	3°59	3°23	4°44	3°18	11°45	W13
T 14	19 57 36	28°28'29	19°51	7°32	18°23	6°13	13°46	3°46	3°41	25°23	3°58	3°20	4°41	3°25	11°42	T 14
F 15	20 1 33	29°25'52	4♓20	9°28	19°31	6°53	13°42	3°52	3°43	25°25	3°56	3°D20	4°37	3°31	11°39	F 15
S 16	20 5 29	0♈23'16	18°50	11°21	20°40	7°32	13°39	3°59	3°46	25°27	3°55	3°20	4°34	3°38	11°35	S 16
S 17	20 9 26	1°20'42	3♉17	13°14	21°48	8°11	13°36	4° 5	3°48	25°29	3°54	3°22	4°31	3°45	11°32	S 17
M18	20 13 22	2°18'09	17°36	15° 4	22°57	8°50	13°33	4°12	3°50	25°31	3°53	3°23	4°28	3°51	11°29	M18
T 19	20 17 19	3°15'37	1♊47	16°54	24° 6	9°30	13°30	4°19	3°52	25°33	3°51	3°R24	4°25	3°58	11°25	T 19
W20	20 21 15	4°13'07	15°46	18°41	25°15	10° 9	13°28	4°26	3°54	25°35	3°50	3°23	4°21	4° 5	11°22	W20
T 21	20 25 12	5°10'38	29°33	20°27	26°24	10°48	13°25	4°33	3°56	25°37	3°49	3°22	4°18	4°11	11°19	T 21
F 22	20 29 9	6° 8'11	13♊ 7	22°12	27°34	11°27	13°23	4°39	3°59	25°39	3°48	3°19	4°15	4°18	11°16	F 22
S 23	20 33 5	7° 5'45	26°28	23°55	28°43	12° 6	13°21	4°46	4° 1	25°41	3°46	3°15	4°12	4°25	11°13	S 23
S 24	20 37 2	8° 3'21	9♋35	25°36	29°53	12°45	13°19	4°53	4° 3	25°43	3°45	3°11	4° 9	4°31	11°10	S 24
M25	20 40 58	9° 0'58	22°28	27°16	1♋ 2	13°24	13°18	5° 0	4° 4	25°46	3°44	3° 7	4° 6	4°38	11° 7	M25
T 26	20 44 55	9°58'36	5♌ 7	28°54	2°12	14° 3	13°16	5° 7	4° 6	25°48	3°43	3° 4	4° 2	4°45	11° 4	T 26
W27	20 48 51	10°56'15	17°33	0♍31	3°22	14°41	13°15	5°14	4° 8	25°50	3°42	3° 2	3°59	4°51	11° 1	W27
T 28	20 52 48	11°53'56	29°46	2° 6	4°32	15°20	13°14	5°21	4°10	25°52	3°41	3°D 2	3°56	4°58	10°58	T 28
F 29	20 56 44	12°51'37	11♍49	3°40	5°42	15°59	13°13	5°29	4°12	25°54	3°40	3° 2	3°53	5° 5	10°55	F 29
S 30	21 0 41	13°49'20	23°44	5°13	6°52	16°38	13°12	5°36	4°14	25°56	3°39	3° 3	3°50	5°11	10°52	S 30
S 31	21 4 38	14♌47'05	5♎34	6♍44	8♋ 2	17♋16	13♐12	5♍43	4♊15	25♌59	3♑38	3♍ 4	3♍47	5♎18	10♑50	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n34	10n12	0s 2	24n14	1n 8	18n37	2s25	24n 7	0n37	22s18	0n21	12n20	1n47	20n45	0s 7	13n54	0n41	21s36	1n52	10n 7	9n35	1n20	15s57	7n 1
S 2	22 27	6 40	1n 3	24 10	1 15	18 51	2 23	24 9	0 37	22 18	0 21	12 17	1 47	20 45	0 7	13 53	0 41	21 36	1 52	10 7	9 36	1 18	15 57	7 1
S 3	22 19	2 55	2 4	24 3	1 22	19 5	2 21	24 10	0 38	22 17	0 21	12 15	1 47	20 46	0 7	13 52	0 41	21 36	1 52	10 6	9 37	1 16	15 58	7 1
M 4	22 11	0s56	3 0	23 53	1 28	19 18	2 18	24 10	0 39	22 17	0 21	12 13	1 47	20 46	0 7	13 52	0 41	21 36	1 52	10 6	9 38	1 14	15 58	7 1
T 5	22 3	4 45	3 48	23 41	1 33	19 31	2 16	24 11	0 39	22 17	0 20	12 11	1 47	20 47	0 7	13 51	0 41	21 36	1 52	10 6	9 39	1 12	15 59	7 1
W 6	21 55	8 25	4 27	23 26	1 37	19 44	2 14	24 11	0 40	22 16	0 20	12 8	1 47	20 47	0 7	13 51	0 41	21 36	1 52	10 6	9 41	1 10	15 59	7 1
T 7	21 46	11 48	4 54	23 9	1 41	19 56	2 11	24 11	0 40	22 16	0 20	12 6	1 47	20 48	0 7	13 50	0 41	21 37	1 51	10 7	9 42	1 8	15 59	7 1
F 8	21 36	14 44	5 9	22 49	1 44	20 8	2 9	24 11	0 41	22 15	0 20	12 4	1 47	20 48	0 7	13 49	0 41	21 37	1 51	10 8	9 43	1 6	16 0	7 1
S 9	21 27	17 3	5 8	22 27	1 46	20 19	2 6	24 11	0 41	22 15	0 20	12 1	1 47	20 49	0 7	13 49	0 41	21 37	1 51	10 10	9 44	1 4	16 0	7 1
S 10	21 17	18 32	4 51	22 3	1 47	20 30	2 4	24 11	0 42	22 15	0 20	11 59	1 47	20 49	0 7	13 48	0 41	21 37	1 51	10 13	9 45	1 3	16 0	7 1
M11	21 6	19 2	4 18	21 38	1 48	20 41	2 1	24 10	0 42	22 14	0 19	11 57	1 47	20 50	0 7	13 47	0 41	21 37	1 51	10 15	9 46	1 1	16 1	7 1
T 12	20 55	18 24	3 29	21 10	1 48	20 51	1 58	24 9	0 43	22 14	0 19	11 54	1 47	20 50	0 7	13 47	0 41	21 37	1 51	10 17	9 48	0 59	16 1	7 1
W13	20 44	16 37	2 26	20 40	1 47	21 0	1 55	24 8	0 44	22 14	0 19	11 52	1 47	20 51	0 7	13 46	0 41	21 38	1 51	10 18	9 49	0 57	16 2	7 0
T 14	20 33	13 46	1 13	20 10	1 46	21 9	1 53	24 7	0 44	22 14	0 19	11 49	1 47	20 51	0 7	13 45	0 41	21 38	1 51	10 19	9 50	0 55	16 2	7 0
F 15	20 21	10 3	0s 6	19 37	1 44	21 17	1 50	24 6	0 45	22 13	0 19	11 47	1 47	20 52	0 7	13 44	0 41	21 38	1 50	10 19	9 51	0 53	16 3	7 0
S 16	20 9	5 43	1 24	19 4	1 41	21 25	1 47	24 4	0 45	22 13	0 19	11 44	1 47	20 52	0 7	13 44	0 41	21 38	1 50	10 19	9 52	0 51	16 3	7 0
S 17	19 56	1 5	2 37	18 29	1 39	21 33	1 44	24 2	0 46	22 13	0 18	11 42	1 47	20 52	0 7	13 43	0 41	21 38	1 50	10 19	9 53	0 49	16 3	7 0
M18	19 43	3n34	3 39	17 53	1 35	21 40	1 41	24 0	0 46	22 13	0 18	11 39	1 46	20 53	0 7	13 42	0 41	21 38	1 50	10 18	9 55	0 47	16 4	7 0
T 19	19 30	7 57	4 27	17 17	1 31	21 46	1 38	23 58	0 47	22 13	0 18	11 37	1 46	20 53	0 7	13 42	0 41	21 39	1 50	10 18	9 56	0 45	16 4	6 59
W20	19 17	11 51	4 59	16 39	1 27	21 52	1 35	23 56	0 47	22 13	0 18	11 34	1 46	20 54	0 7	13 41	0 41	21 39	1 50	10 18	9 57	0 43	16 5	6 59
T 21	19 3	15 2	5 13	16 1	1 22	21 57	1 32	23 53	0 48	22 12	0 18	11 32	1 46	20 54	0 7	13 40	0 41	21 39	1 50	10 19	9 58	0 41	16 5	6 59
F 22	18 49	17 21	5 9	15 23	1 17	22 2	1 29	23 50	0 48	22 12	0 17	11 29	1 46	20 55	0 7	13 40	0 41	21 39	1 50	10 20	9 59	0 39	16 6	6 59
S 23	18 34	18 41	4 48	14 43	1 11	22 6	1 25	23 47	0 49	22 12	0 17	11 27	1 46	20 55	0 7	13 39	0 41	21 39	1 49	10 21	10 0	0 37	16 6	6 59
S 24	18 19	18 59	4 13	14 4	1 5	22 10	1 22	23 44	0 49	22 12	0 17	11 24	1 46	20 55	0 7	13 38	0 41	21 39	1 49	10 23	10 2	0 35	16 7	6 58
M25	18 4	18 17	3 25	13 24	0 59	22 13	1 19	23 41	0 50	22 12	0 17	11 22	1 46	20 56	0 7	13 37	0 41	21 40	1 49	10 24	10 3	0 33	16 7	6 58
T 26	17 49	16 40	2 28	12 43	0 53	22 15	1 16	23 37	0 50	22 12	0 17	11 19	1 46	20 56	0 7	13 37	0 41	21 40	1 49	10 25	10 4	0 31	16 8	6 58
W27	17 33	14 18	1 24	12 3	0 46	22 17	1 13	23 34	0 51	22 12	0 17	11 16	1 46	20 56	0 7	13 36	0 41	21 40	1 49	10 26	10 5	0 29	16 8	6 58
T 28	17 17	11 19	0 18	11 22	0 38	22 18	1 9	23 30	0 52	22 12	0 16	11 14	1 46	20 57	0 7	13 35	0 41	21 40	1 49	10 26	10 6	0 27	16 9	6 57
F 29	17 1	7 54	0n48	10 41	0 31	22 19	1 6	23 26	0 52	22 12	0 16	11 11	1 46	20 57	0 7	13 34	0 41	21 40	1 49	10 26	10 7	0 26	16 9	6 57
S 30	16 44	4 13	1 52	10 0	0 23	22 19	1 3	23 22	0 53	22 12	0 16	11 8	1 46	20 57	0 7	13 34	0 41	21 40	1 48	10 26	10 9	0 24	16 10	6 57
S 31	16n28	0n23	2n50	9n19	0n16	22n18	0s59	23n17	0n53	22s12	0n16	11n 6	1n46	20n58	0s 7	13n33	0n41	21s41	1n48	10n25	10n10	0n22	16s10	6n57

Julian Day Number = 2185837.5, Delta T = 11m08s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'41, Lahiri = 13°42'41 Julian Calendar 1 July 1272 == Greg. Calendar 8 July 1272

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ASTRODIENST EPHEMERIS for the year 1272
geocentric

AUGUST 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 8 34	15♌44'50	17♎22	8♍13	9♋12	17♋55	13°R11	5♍50	4♊17	26♌ 1	3°R37	3♍ 6	3♍43	5♎25	10°R47	M 1
T 2	21 12 31	16°42'37	29°13	9°41	10°23	18°34	13°D11	5°57	4°18	26° 3	3♏36	3° 7	3°40	5°31	10♏44	T 2
W 3	21 16 27	17°40'24	11♏12	11° 7	11°33	19°12	13♐11	6° 4	4°20	26° 5	3°35	3° 8	3°37	5°38	10°42	W 3
T 4	21 20 24	18°38'13	23°24	12°32	12°44	19°51	13°12	6°12	4°21	26° 7	3°34	3°R 8	3°34	5°45	10°39	T 4
F 5	21 24 20	19°36'04	5♐51	13°55	13°54	20°29	13°12	6°19	4°23	26°10	3°33	3° 7	3°31	5°51	10°37	F 5
S 6	21 28 17	20°33'55	18°40	15°17	15° 5	21° 8	13°13	6°26	4°24	26°12	3°32	3° 6	3°27	5°58	10°34	S 6
S 7	21 32 13	21°31'48	1♑53	16°37	16°16	21°46	13°13	6°34	4°26	26°14	3°31	3° 5	3°24	6° 5	10°32	S 7
M 8	21 36 10	22°29'42	15°30	17°55	17°27	22°24	13°14	6°41	4°27	26°16	3°30	3° 3	3°21	6°11	10°30	M 8
T 9	21 40 7	23°27'38	29°33	19°11	18°38	23° 3	13°16	6°48	4°28	26°19	3°29	3° 2	3°18	6°18	10°28	T 9
W10	21 44 3	24°25'35	13♒58	20°26	19°49	23°41	13°17	6°56	4°29	26°21	3°28	3° 1	3°15	6°25	10°26	W10
T 11	21 48 0	25°23'34	28°40	21°39	21° 0	24°19	13°18	7° 3	4°31	26°23	3°28	3°D 1	3°12	6°31	10°23	T 11
F 12	21 51 56	26°21'34	13♓32	22°50	22°12	24°57	13°20	7°10	4°32	26°25	3°27	3° 1	3° 8	6°38	10°21	F 12
S 13	21 55 53	27°19'36	28°27	23°59	23°23	25°36	13°22	7°18	4°33	26°27	3°26	3° 1	3° 5	6°45	10°19	S 13
S 14	21 59 49	28°17'40	13♈17	25° 5	24°34	26°14	13°24	7°25	4°34	26°30	3°25	3° 2	3° 2	6°51	10°18	S 14
M15	22 3 46	29°15'46	27°56	26°10	25°46	26°52	13°26	7°33	4°35	26°32	3°25	3° 2	2°59	6°58	10°16	M15
T 16	22 7 42	0♍13'53	12♉18	27°12	26°58	27°30	13°29	7°40	4°36	26°34	3°24	3° 3	2°56	7° 5	10°14	T 16
W17	22 11 39	1°12'03	26°21	28°12	28° 9	28° 8	13°31	7°48	4°36	26°36	3°23	3° 3	2°53	7°11	10°12	W17
T 18	22 15 35	2°10'15	10♊ 4	29° 9	29°21	28°46	13°34	7°55	4°37	26°39	3°23	3°R 3	2°49	7°18	10°11	T 18
F 19	22 19 32	3° 8'29	23°27	0♎ 3	0♌33	29°24	13°37	8° 2	4°38	26°41	3°22	3°D 3	2°46	7°25	10° 9	F 19
S 20	22 23 29	4° 6'46	6♋31	0°55	1°45	0♌ 2	13°40	8°10	4°39	26°43	3°22	3° 3	2°43	7°31	10° 8	S 20
S 21	22 27 25	5° 5'04	19°19	1°43	2°57	0°39	13°44	8°17	4°39	26°45	3°21	3° 3	2°40	7°38	10° 6	S 21
M22	22 31 22	6° 3'24	1♌53	2°28	4° 9	1°17	13°47	8°25	4°40	26°47	3°21	3° 3	2°37	7°45	10° 5	M22
T 23	22 35 18	7° 1'46	14°14	3° 9	5°21	1°55	13°51	8°32	4°41	26°50	3°20	3° 3	2°33	7°51	10° 3	T 23
W24	22 39 15	8° 0'11	26°25	3°46	6°34	2°33	13°55	8°40	4°41	26°52	3°20	3° 4	2°30	7°58	10° 2	W24
T 25	22 43 11	8°58'37	8♍27	4°19	7°46	3°11	13°59	8°47	4°42	26°54	3°19	3°R 4	2°27	8° 5	10° 1	T 25
F 26	22 47 8	9°57'05	20°22	4°48	8°58	3°48	14° 3	8°55	4°42	26°56	3°19	3° 3	2°24	8°11	10° 0	F 26
S 27	22 51 4	10°55'34	2♎13	5°12	10°11	4°26	14° 8	9° 2	4°42	26°58	3°19	3° 3	2°21	8°18	9°59	S 27
S 28	22 55 1	11°54'06	14° 1	5°30	11°23	5° 3	14°12	9°10	4°43	27° 1	3°18	3° 2	2°18	8°25	9°58	S 28
M29	22 58 58	12°52'39	25°50	5°43	12°36	5°41	14°17	9°17	4°43	27° 3	3°18	3° 0	2°14	8°31	9°57	M29
T 30	23 2 54	13°51'15	7♏42	5°50	13°49	6°18	14°22	9°25	4°43	27° 5	3°18	2°59	2°11	8°38	9°57	T 30
W31	23 6 51	14♍49'52	19♏41	5°R51	15♌ 2	6♌56	14♐27	9♍32	4♊43	27♌ 7	3♏18	2♍57	2♍ 8	8♎45	9♏56	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n11	3s26	3n41	8n38	0n 8	22n17	0s56	23n13	0n54	22s13	0n16	11n 3	1n46	20n58	0s 7	13n32	0n41	21s41	1n48	10n24	10n11	0n20	16s11	6n56
T 2	15 53	7 8	4 23	7 57	0s 1	22 15	0 53	23 8	0 54	22 13	0 16	11 0	1 46	20 58	0 7	13 32	0 41	21 41	1 48	10 24	10 12	0 18	16 11	6 56
W 3	15 36	10 35	4 54	7 17	0 9	22 12	0 49	23 3	0 55	22 13	0 15	10 58	1 46	20 59	0 7	13 31	0 41	21 41	1 48	10 24	10 13	0 16	16 12	6 56
T 4	15 18	13 39	5 12	6 37	0 18	22 9	0 46	22 58	0 55	22 13	0 15	10 55	1 46	20 59	0 7	13 30	0 41	21 41	1 48	10 24	10 14	0 14	16 12	6 55
F 5	15 0	16 10	5 16	5 57	0 26	22 6	0 43	22 53	0 56	22 13	0 15	10 52	1 46	20 59	0 7	13 29	0 41	21 41	1 48	10 24	10 15	0 12	16 13	6 55
S 6	14 41	17 59	5 5	5 17	0 35	22 1	0 39	22 47	0 56	22 14	0 15	10 50	1 46	20 59	0 7	13 29	0 41	21 42	1 47	10 24	10 17	0 10	16 13	6 55
S 7	14 23	18 53	4 38	4 37	0 44	21 56	0 36	22 42	0 57	22 14	0 15	10 47	1 46	21 0	0 7	13 28	0 41	21 42	1 47	10 25	10 18	0 8	16 14	6 54
M 8	14 4	18 45	3 54	3 59	0 53	21 51	0 33	22 36	0 57	22 14	0 14	10 44	1 46	21 0	0 7	13 27	0 41	21 42	1 47	10 25	10 19	0 6	16 14	6 54
T 9	13 45	17 28	2 55	3 20	1 3	21 45	0 29	22 30	0 58	22 14	0 14	10 41	1 46	21 0	0 7	13 26	0 41	21 42	1 47	10 26	10 20	0 4	16 15	6 54
W10	13 26	15 3	1 44	2 42	1 12	21 38	0 26	22 24	0 58	22 15	0 14	10 39	1 46	21 0	0 7	13 26	0 41	21 42	1 47	10 26	10 21	0 2	16 15	6 53
T 11	13 6	11 36	0 24	2 5	1 21	21 31	0 23	22 18	0 59	22 15	0 14	10 36	1 46	21 1	0 7	13 25	0 41	21 42	1 47	10 26	10 22	0 0	16 16	6 53
F 12	12 47	7 23	0s58	1 29	1 30	21 22	0 20	22 12	0 59	22 16	0 14	10 33	1 46	21 1	0 7	13 24	0 41	21 43	1 47	10 26	10 24	0s 2	16 16	6 52
S 13	12 27	2 42	2 17	0 53	1 40	21 14	0 16	22 5	1 0	22 16	0 14	10 30	1 46	21 1	0 7	13 23	0 41	21 43	1 46	10 26	10 25	0 4	16 17	6 52
S 14	12 7	2n 6	3 26	0 18	1 49	21 5	0 13	21 58	1 0	22 16	0 13	10 28	1 46	21 1	0 7	13 23	0 41	21 43	1 46	10 26	10 26	0 6	16 17	6 52
M15	11 46	6 44	4 20	0s17	1 58	20 55	0 10	21 52	1 1	22 17	0 13	10 25	1 46	21 1	0 7	13 22	0 41	21 43	1 46	10 26	10 27	0 8	16 18	6 51
T 16	11 26	10 52	4 57	0 50	2 7	20 44	0 7	21 45	1 1	22 17	0 13	10 22	1 46	21 1	0 7	13 21	0 41	21 43	1 46	10 26	10 28	0 10	16 18	6 51
W17	11 5	14 18	5 16	1 22	2 16	20 33	0 3	21 37	1 2	22 18	0 13	10 19	1 46	21 2	0 7	13 20	0 41	21 43	1 46	10 26	10 29	0 12	16 19	6 50
T 18	10 45	16 51	5 15	1 53	2 25	20 22	0 0	21 30	1 2	22 18	0 13	10 17	1 46	21 2	0 7	13 20	0 41	21 44	1 46	10 26	10 30	0 14	16 19	6 50
F 19	10 23	18 25	4 58	2 23	2 34	20 9	0n 3	21 23	1 3	22 19	0 13	10 14	1 47	21 2	0 7	13 19	0 41	21 44	1 46	10 26	10 32	0 16	16 20	6 50
S 20	10 2	18 57	4 25	2 51	2 43	19 57	0 6	21 15	1 3	22 19	0 13	10 11	1 47	21 2	0 7	13 18	0 41	21 44	1 45	10 26	10 33	0 18	16 20	6 49
S 21	9 41	18 30	3 40	3 18	2 52	19 43	0 9	21 7	1 4	22 20	0 12	10 8	1 47	21 2	0 7	13 17	0 41	21 44	1 45	10 26	10 34	0 20	16 21	6 49
M22	9 19	17 8	2 45	3 44	3 0	19 29	0 12	21 0	1 4	22 20	0 12	10 6	1 47	21 2	0 7	13 17	0 41	21 44	1 45	10 25	10 35	0 22	16 22	6 48
T 23	8 58	14 59	1 43	4 8	3 8	19 15	0 15	20 52	1 5	22 21	0 12	10 3	1 47	21 2	0 7	13 16	0 41	21 44	1 45	10 25	10 36	0 24	16 22	6 48
W24	8 36	12 11	0 37	4 30	3 16	19 0	0 18	20 44	1 5	22 22	0 12	10 0	1 47	21 3	0 7	13 15	0 41	21 45	1 45	10 25	10 37	0 26	16 23	6 48
T 25	8 14	8 54	0n30	4 49	3 23	18 44	0 21	20 35	1 6	22 22	0 12	9 57	1 47	21 3	0 7	13 14	0 41	21 45	1 45	10 25	10 38	0 28	16 23	6 47
F 26	7 52	5 17	1 35	5 7	3 30	18 28	0 24	20 27	1 6	22 23	0 12	9 54	1 47	21 3	0 7	13 14	0 41	21 45	1 45	10 25	10 40	0 29	16 24	6 47
S 27	7 30	1 29	2 35	5 22	3 36	18 11	0 27	20 18	1 7	22 24	0 11	9 52	1 47	21 3	0 7	13 13	0 41	21 45	1 44	10 26	10 41	0 31	16 24	6 46
S 28	7 7	2s21	3 28	5 35	3 42	17 54	0 29	20 10	1 7	22 24	0 11	9 49	1 47	21 3	0 7	13 12	0 41	21 45	1 44	10 26	10 42	0 33	16 25	6 46
M29	6 45	6 6	4 13	5 45	3 47	17 36	0 32	20 1	1 8	22 25	0 11	9 46	1 47	21 3	0 7	13 11	0 41	21 45	1 44	10 27	10 43	0 35	16 25	6 45
T 30	6 22	9 37	4 47	5 51	3 51	17 18	0 35	19 52	1 8	22 26	0 11	9 43	1 47	21 3	0 7	13 11	0 41	21 45	1 44	10 27	10 44	0 37	16 26	6 45
W31	6n 0	12s46	5n 8	5s55	3s54	16n59	0n38	19n43	1n 9	22s27	0n11	9n41	1n47	21n 3	0s 7	13n10	0n41	21s46	1n44	10n28	10n45	0s39	16s26	6n44

Julian Day Number = 2185868.5, Delta T = 11m08s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'45, Lahiri = 13°42'45 Julian Calendar 1 Aug. 1272 == Greg. Calendar 8 Aug. 1272

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ASTRODIENST EPHEMERIS for the year 1272
geocentric

SEPTEMBER 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 10 47	15♍48'30	1♐51	5°R46	16♌14	7♌33	14♐32	9♍40	4♊43	27♌ 9	3°R17	2°R56	2♍ 5	8♎51	9°R55	T 1
F 2	23 14 44	16°47'11	14°16	5♎33	17°27	8°11	14°38	9°47	4°R43	27°11	3♑17	2°D56	2° 2	8°58	9♑55	F 2
S 3	23 18 40	17°45'53	26°59	5°14	18°40	8°48	14°43	9°55	4°43	27°13	3°17	2♍56	1°58	9° 5	9°54	S 3
S 4	23 22 37	18°44'37	10♑ 5	4°47	19°53	9°25	14°49	10° 2	4°43	27°16	3°17	2°57	1°55	9°11	9°54	S 4
M 5	23 26 33	19°43'23	23°37	4°13	21° 6	10° 3	14°55	10°10	4°43	27°18	3°17	2°58	1°52	9°18	9°54	M 5
T 6	23 30 30	20°42'11	7♒36	3°32	22°20	10°40	15° 1	10°17	4°43	27°20	3°17	2°59	1°49	9°25	9°53	T 6
W 7	23 34 27	21°41'00	22° 2	2°45	23°33	11°17	15° 7	10°24	4°43	27°22	3°17	3° 0	1°46	9°31	9°53	W 7
T 8	23 38 23	22°39'51	6♓50	1°51	24°46	11°54	15°13	10°32	4°42	27°24	3°D17	3°R 0	1°43	9°38	9°53	T 8
F 9	23 42 20	23°38'44	21°54	0°51	25°59	12°31	15°20	10°39	4°42	27°26	3°17	3° 0	1°39	9°45	9°D53	F 9
S 10	23 46 16	24°37'39	7♈ 7	29♍48	27°13	13° 8	15°26	10°47	4°42	27°28	3°17	2°58	1°36	9°51	9°53	S 10
S 11	23 50 13	25°36'36	22°18	28°41	28°26	13°45	15°33	10°54	4°41	27°30	3°17	2°55	1°33	9°58	9°53	S 11
M12	23 54 9	26°35'35	7♉17	27°33	29°40	14°22	15°40	11° 1	4°41	27°32	3°17	2°52	1°30	10° 5	9°54	M12
T 13	23 58 6	27°34'37	21°56	26°25	0♍53	14°59	15°47	11° 8	4°40	27°34	3°17	2°49	1°27	10°11	9°54	T 13
W14	0 2 2	28°33'41	6♊11	25°19	2° 7	15°36	15°54	11°16	4°40	27°36	3°17	2°46	1°24	10°18	9°54	W14
T 15	0 5 59	29°32'48	20° 0	24°17	3°21	16°13	16° 2	11°23	4°39	27°38	3°18	2°45	1°20	10°25	9°55	T 15
F 16	0 9 55	0♎31'57	3♋22	23°20	4°35	16°50	16° 9	11°30	4°38	27°40	3°18	2°D45	1°17	10°31	9°55	F 16
S 17	0 13 52	1°31'08	16°20	22°31	5°48	17°26	16°17	11°37	4°38	27°42	3°18	2°45	1°14	10°38	9°56	S 17
S 18	0 17 49	2°30'21	28°58	21°50	7° 2	18° 3	16°25	11°45	4°37	27°44	3°18	2°47	1°11	10°45	9°57	S 18
M19	0 21 45	3°29'37	11♌19	21°19	8°16	18°40	16°33	11°52	4°36	27°46	3°19	2°49	1° 8	10°52	9°57	M19
T 20	0 25 42	4°28'55	23°28	20°58	9°30	19°16	16°41	11°59	4°35	27°47	3°19	2°50	1° 4	10°58	9°58	T 20
W21	0 29 38	5°28'16	5♍27	20°D48	10°44	19°53	16°49	12° 6	4°34	27°49	3°19	2°R50	1° 1	11° 5	9°59	W21
T 22	0 33 35	6°27'38	17°20	20°48	11°58	20°29	16°57	12°13	4°33	27°51	3°20	2°49	0°58	11°12	10° 0	T 22
F 23	0 37 31	7°27'03	29°10	20°59	13°12	21° 6	17° 6	12°20	4°32	27°53	3°20	2°46	0°55	11°18	10° 1	F 23
S 24	0 41 28	8°26'30	10♎59	21°21	14°27	21°42	17°14	12°27	4°31	27°55	3°21	2°42	0°52	11°25	10° 2	S 24
S 25	0 45 24	9°25'59	22°49	21°52	15°41	22°19	17°23	12°34	4°30	27°57	3°21	2°36	0°49	11°32	10° 4	S 25
M26	0 49 21	10°25'30	4♏41	22°33	16°55	22°55	17°32	12°41	4°29	27°58	3°22	2°29	0°45	11°38	10° 5	M26
T 27	0 53 18	11°25'03	16°38	23°22	18° 9	23°31	17°41	12°48	4°28	28° 0	3°22	2°21	0°42	11°45	10° 6	T 27
W28	0 57 14	12°24'37	28°41	24°19	19°24	24° 8	17°50	12°55	4°27	28° 2	3°23	2°14	0°39	11°52	10° 8	W28
T 29	1 1 11	13°24'14	10♐53	25°23	20°38	24°44	17°59	13° 2	4°25	28° 3	3°24	2° 8	0°36	11°58	10° 9	T 29
F 30	1 5 7	14♎23'53	23♐18	26♍32	21♍53	25♌20	18♐ 9	13♍ 9	4♊24	28♌ 5	3♑24	2♍ 4	0♍33	12♎ 5	10♑11	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n37	15s26	5n17	5s55	3s56	16n40	0n40	19n34	1n 9	22s27	0n11	9n38	1n47	21n 3	0s 7	13n 9	0n41	21s46	1n44	10n28	10n46	0s41	16s27	6n44
F 2	5 14	17 27	5 11	5 51	3 57	16 20	0 43	19 25	1 10	22 28	0 11	9 35	1 47	21 3	0 7	13 9	0 41	21 46	1 44	10 28	10 48	0 43	16 27	6 43
S 3	4 51	18 41	4 49	5 43	3 57	16 0	0 45	19 15	1 10	22 29	0 10	9 32	1 47	21 3	0 7	13 8	0 41	21 46	1 43	10 28	10 49	0 45	16 28	6 43
S 4	4 28	18 57	4 13	5 31	3 55	15 40	0 48	19 6	1 11	22 30	0 10	9 30	1 47	21 3	0 7	13 7	0 41	21 46	1 43	10 28	10 50	0 47	16 28	6 42
M 5	4 5	18 9	3 21	5 14	3 52	15 18	0 50	18 56	1 11	22 30	0 10	9 27	1 48	21 3	0 7	13 6	0 41	21 46	1 43	10 27	10 51	0 49	16 29	6 42
T 6	3 42	16 15	2 16	4 53	3 47	14 57	0 52	18 47	1 12	22 31	0 10	9 24	1 48	21 3	0 7	13 6	0 41	21 47	1 43	10 27	10 52	0 51	16 29	6 42
W 7	3 19	13 16	1 0	4 28	3 40	14 35	0 55	18 37	1 12	22 32	0 10	9 21	1 48	21 3	0 7	13 5	0 41	21 47	1 43	10 26	10 53	0 53	16 30	6 41
T 8	2 55	9 22	0s21	3 58	3 32	14 13	0 57	18 27	1 13	22 33	0 10	9 19	1 48	21 3	0 7	13 4	0 41	21 47	1 43	10 26	10 54	0 55	16 30	6 41
F 9	2 32	4 47	1 42	3 25	3 21	13 50	0 59	18 17	1 13	22 34	0 9	9 16	1 48	21 3	0 7	13 4	0 41	21 47	1 42	10 27	10 56	0 57	16 31	6 40
S 10	2 9	0n 7	2 57	2 48	3 8	13 27	1 1	18 7	1 14	22 35	0 9	9 13	1 48	21 3	0 7	13 3	0 42	21 47	1 42	10 27	10 57	0 59	16 31	6 40
S 11	1 45	5 1	3 59	2 8	2 54	13 3	1 3	17 57	1 14	22 36	0 9	9 10	1 48	21 3	0 7	13 2	0 42	21 47	1 42	10 28	10 58	1 1	16 32	6 39
M12	1 22	9 31	4 44	1 26	2 38	12 39	1 5	17 46	1 15	22 36	0 9	9 8	1 48	21 3	0 7	13 2	0 42	21 47	1 42	10 29	10 59	1 3	16 32	6 39
T 13	0 58	13 21	5 9	0 43	2 20	12 15	1 7	17 36	1 15	22 37	0 9	9 5	1 48	21 2	0 7	13 1	0 42	21 48	1 42	10 31	11 0	1 5	16 33	6 38
W14	0 34	16 16	5 14	0n 1	2 1	11 50	1 9	17 25	1 16	22 38	0 9	9 2	1 48	21 2	0 7	13 0	0 42	21 48	1 42	10 31	11 1	1 7	16 33	6 38
T 15	0 11	18 9	5 0	0 44	1 41	11 25	1 11	17 15	1 16	22 39	0 9	9 0	1 48	21 2	0 7	13 0	0 42	21 48	1 42	10 32	11 2	1 9	16 34	6 37
F 16	0s13	18 58	4 31	1 25	1 21	11 0	1 13	17 4	1 17	22 40	0 9	8 57	1 49	21 2	0 7	12 59	0 42	21 48	1 41	10 32	11 4	1 11	16 34	6 37
S 17	0 36	18 45	3 48	2 3	1 1	10 34	1 14	16 53	1 17	22 41	0 8	8 54	1 49	21 2	0 7	12 58	0 42	21 48	1 41	10 32	11 5	1 13	16 34	6 36
S 18	1 0	17 35	2 55	2 38	0 40	10 8	1 16	16 43	1 18	22 42	0 8	8 52	1 49	21 2	0 7	12 58	0 42	21 48	1 41	10 31	11 6	1 15	16 35	6 36
M19	1 24	15 36	1 55	3 8	0 21	9 42	1 17	16 32	1 18	22 43	0 8	8 49	1 49	21 2	0 7	12 57	0 42	21 48	1 41	10 31	11 7	1 17	16 35	6 35
T 20	1 47	12 57	0 51	3 34	0 2	9 15	1 19	16 21	1 19	22 44	0 8	8 46	1 49	21 2	0 7	12 56	0 42	21 49	1 41	10 30	11 8	1 19	16 36	6 35
W21	2 11	9 46	0n14	3 55	0n16	8 48	1 20	16 9	1 19	22 45	0 8	8 44	1 49	21 1	0 7	12 56	0 42	21 49	1 41	10 30	11 9	1 21	16 36	6 34
T 22	2 34	6 13	1 19	4 10	0 33	8 21	1 22	15 58	1 19	22 46	0 8	8 41	1 49	21 1	0 7	12 55	0 42	21 49	1 41	10 30	11 10	1 23	16 37	6 34
F 23	2 58	2 27	2 19	4 19	0 48	7 54	1 23	15 47	1 20	22 47	0 8	8 39	1 49	21 1	0 7	12 55	0 42	21 49	1 40	10 32	11 11	1 25	16 37	6 33
S 24	3 22	1s24	3 13	4 23	1 2	7 26	1 24	15 36	1 20	22 48	0 7	8 36	1 50	21 1	0 7	12 54	0 42	21 49	1 40	10 33	11 13	1 27	16 37	6 33
S 25	3 45	5 12	3 59	4 22	1 14	6 58	1 25	15 24	1 21	22 49	0 7	8 33	1 50	21 1	0 7	12 53	0 42	21 49	1 40	10 35	11 14	1 29	16 38	6 32
M26	4 9	8 49	4 34	4 16	1 25	6 30	1 26	15 13	1 21	22 50	0 7	8 31	1 50	21 0	0 7	12 53	0 42	21 49	1 40	10 38	11 15	1 31	16 38	6 32
T 27	4 32	12 6	4 58	4 5	1 34	6 2	1 27	15 1	1 22	22 50	0 7	8 28	1 50	21 0	0 7	12 52	0 42	21 50	1 40	10 41	11 16	1 33	16 38	6 31
W28	4 55	14 55	5 9	3 50	1 42	5 34	1 28	14 49	1 22	22 51	0 7	8 26	1 50	21 0	0 7	12 52	0 42	21 50	1 40	10 43	11 17	1 35	16 39	6 31
T 29	5 19	17 7	5 6	3 30	1 49	5 5	1 29	14 38	1 23	22 52	0 7	8 23	1 50	21 0	0 7	12 51	0 42	21 50	1 39	10 45	11 18	1 37	16 39	6 30
F 30	5s42	18s33	4n49	3n 7	1n54	4n36	1n30	14n26	1n23	22s53	0n 7	8n21	1n50	21n 0	0s 7	12n50	0n42	21s50	1n39	10n47	11n19	1s39	16s40	6n30

Julian Day Number = 2185899.5, Delta T = 11m08s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'49, Lahiri = 13°42'50 Julian Calendar 1 Sept. 1272 == Greg. Calendar 8 Sept. 1272

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ASTRODIENST EPHEMERIS for the year 1272
geocentric

OCTOBER 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 9 4	15♎23'33	5♉58	27♍47	23♍ 7	25♌56	18♐18	13♍15	4°R23	28♌ 7	3♉25	2°R 2	0♍29	12♎12	10♉13	S 1
S 2	1 13 0	16°23'15	18°57	29° 7	24°22	26°32	18°28	13°22	4♊21	28° 8	3°26	2°D 1	0°26	12°18	10°14	S 2
M 3	1 16 57	17°22'59	2♒19	0♎31	25°36	27° 8	18°37	13°29	4°20	28°10	3°27	2♍ 2	0°23	12°25	10°16	M 3
T 4	1 20 53	18°22'45	16° 6	1°58	26°51	27°44	18°47	13°35	4°18	28°12	3°27	2° 4	0°20	12°32	10°18	T 4
W 5	1 24 50	19°22'32	0♓20	3°27	28° 5	28°20	18°57	13°42	4°17	28°13	3°28	2°R 4	0°17	12°38	10°20	W 5
T 6	1 28 47	20°22'21	14°59	4°59	29°20	28°56	19° 7	13°48	4°15	28°15	3°29	2° 4	0°14	12°45	10°22	T 6
F 7	1 32 43	21°22'12	29°59	6°33	0♎35	29°31	19°17	13°55	4°13	28°16	3°30	2° 1	0°10	12°52	10°24	F 7
S 8	1 36 40	22°22'04	15♈13	8° 8	1°50	0♍ 7	19°28	14° 1	4°12	28°18	3°31	1°56	0° 7	12°58	10°26	S 8
S 9	1 40 36	23°21'59	0♉30	9°45	3° 4	0°43	19°38	14° 8	4°10	28°19	3°32	1°49	0° 4	13° 5	10°29	S 9
M10	1 44 33	24°21'55	15°41	11°22	4°19	1°18	19°48	14°14	4° 8	28°21	3°33	1°41	0° 1	13°12	10°31	M10
T 11	1 48 29	25°21'54	0♊34	13° 0	5°34	1°54	19°59	14°20	4° 6	28°22	3°34	1°32	29♌58	13°18	10°33	T 11
W12	1 52 26	26°21'55	15° 2	14°39	6°49	2°29	20°10	14°27	4° 5	28°23	3°35	1°25	29°55	13°25	10°36	W12
T 13	1 56 22	27°21'58	29° 1	16°18	8° 4	3° 5	20°20	14°33	4° 3	28°25	3°36	1°20	29°51	13°32	10°38	T 13
F 14	2 0 19	28°22'03	12♋30	17°57	9°19	3°40	20°31	14°39	4° 1	28°26	3°37	1°16	29°48	13°38	10°41	F 14
S 15	2 4 16	29°22'10	25°30	19°36	10°34	4°16	20°42	14°45	3°59	28°27	3°38	1°D15	29°45	13°45	10°44	S 15
S 16	2 8 12	0♏22'20	8♌ 7	21°15	11°49	4°51	20°53	14°51	3°57	28°29	3°39	1°15	29°42	13°52	10°46	S 16
M17	2 12 9	1°22'31	20°24	22°54	13° 4	5°26	21° 4	14°57	3°55	28°30	3°40	1°16	29°39	13°59	10°49	M17
T 18	2 16 5	2°22'45	2♍28	24°33	14°19	6° 1	21°15	15° 3	3°53	28°31	3°41	1°R16	29°35	14° 5	10°52	T 18
W19	2 20 2	3°23'00	14°21	26°12	15°34	6°36	21°27	15° 9	3°51	28°32	3°43	1°15	29°32	14°12	10°55	W19
T 20	2 23 58	4°23'18	26°10	27°50	16°49	7°11	21°38	15°14	3°49	28°33	3°44	1°12	29°29	14°19	10°58	T 20
F 21	2 27 55	5°23'37	7♎58	29°28	18° 4	7°46	21°50	15°20	3°47	28°34	3°45	1° 6	29°26	14°25	11° 1	F 21
S 22	2 31 51	6°23'59	19°48	1♏ 6	19°19	8°21	22° 1	15°26	3°44	28°36	3°46	0°57	29°23	14°32	11° 4	S 22
S 23	2 35 48	7°24'22	1♏41	2°44	20°34	8°56	22°13	15°31	3°42	28°37	3°48	0°46	29°20	14°39	11° 7	S 23
M24	2 39 44	8°24'47	13°40	4°21	21°50	9°31	22°25	15°37	3°40	28°38	3°49	0°33	29°16	14°45	11°11	M24
T 25	2 43 41	9°25'14	25°46	5°58	23° 5	10° 6	22°36	15°42	3°38	28°39	3°50	0°20	29°13	14°52	11°14	T 25
W26	2 47 38	10°25'42	8♐ 0	7°35	24°20	10°40	22°48	15°48	3°35	28°40	3°52	0° 7	29°10	14°59	11°17	W26
T 27	2 51 34	11°26'12	20°22	9°11	25°35	11°15	23° 0	15°53	3°33	28°41	3°53	29♌56	29° 7	15° 5	11°21	T 27
F 28	2 55 31	12°26'43	2♉55	10°47	26°50	11°49	23°12	15°58	3°31	28°41	3°54	29°47	29° 4	15°12	11°24	F 28
S 29	2 59 27	13°27'16	15°40	12°23	28° 6	12°24	23°24	16° 3	3°29	28°42	3°56	29°41	29° 1	15°19	11°28	S 29
S 30	3 3 24	14°27'50	28°39	13°58	29°21	12°58	23°37	16° 8	3°26	28°43	3°57	29°38	28°57	15°25	11°32	S 30
M31	3 7 20	15♏28'25	11♒56	15♏34	0♏36	13♍32	23♐49	16♍13	3♊24	28♌44	3♉59	29°D37	28♌54	15♎32	11♉35	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6s 5	19s 7	4n17	2n41	1n58	4n 7	1n30	14n14	1n24	22s54	0n 7	8n18	1n51	20n59	0s 7	12n50	0n42	21s50	1n39	10n48	11n20	1s41	16s40	6n29
S 2	6 28	18 41	3 32	2 12	2 1	3 38	1 31	14 2	1 24	22 55	0 6	8 16	1 51	20 59	0 7	12 49	0 42	21 50	1 39	10 48	11 22	1 43	16 40	6 29
M 3	6 51	17 13	2 34	1 40	2 2	3 9	1 31	13 50	1 25	22 56	0 6	8 13	1 51	20 59	0 7	12 49	0 42	21 50	1 39	10 47	11 23	1 45	16 41	6 28
T 4	7 14	14 43	1 25	1 6	2 3	2 40	1 32	13 38	1 25	22 57	0 6	8 11	1 51	20 58	0 7	12 48	0 42	21 50	1 39	10 47	11 24	1 47	16 41	6 28
W 5	7 37	11 15	0 9	0 30	2 3	2 10	1 32	13 26	1 26	22 58	0 6	8 9	1 51	20 58	0 7	12 48	0 42	21 51	1 39	10 47	11 25	1 49	16 41	6 28
T 6	7 59	7 0	1s 9	0s 7	2 2	1 41	1 33	13 14	1 26	22 59	0 6	8 6	1 51	20 58	0 7	12 47	0 42	21 51	1 38	10 47	11 26	1 51	16 42	6 27
F 7	8 22	2 13	2 25	0 46	2 0	1 11	1 33	13 2	1 27	23 0	0 6	8 4	1 51	20 58	0 7	12 47	0 42	21 51	1 38	10 48	11 27	1 53	16 42	6 27
S 8	8 44	2n46	3 31	1 26	1 58	0 41	1 33	12 50	1 27	23 1	0 6	8 2	1 52	20 57	0 7	12 46	0 42	21 51	1 38	10 50	11 28	1 55	16 42	6 26
S 9	9 7	7 36	4 22	2 7	1 55	0 12	1 33	12 38	1 28	23 2	0 6	7 59	1 52	20 57	0 7	12 46	0 42	21 51	1 38	10 52	11 29	1 57	16 42	6 26
M10	9 29	11 54	4 55	2 48	1 52	0s18	1 33	12 25	1 28	23 3	0 5	7 57	1 52	20 57	0 7	12 45	0 42	21 51	1 38	10 55	11 31	1 59	16 43	6 25
T 11	9 51	15 21	5 6	3 30	1 48	0 48	1 33	12 13	1 29	23 4	0 5	7 55	1 52	20 56	0 7	12 45	0 42	21 51	1 38	10 58	11 32	2 1	16 43	6 25
W12	10 13	17 45	4 58	4 12	1 44	1 18	1 33	12 1	1 29	23 5	0 5	7 52	1 52	20 56	0 7	12 44	0 42	21 51	1 38	11 1	11 33	2 3	16 43	6 24
T 13	10 35	19 0	4 32	4 55	1 39	1 47	1 33	11 48	1 30	23 6	0 5	7 50	1 52	20 56	0 7	12 44	0 42	21 52	1 37	11 3	11 34	2 5	16 43	6 24
F 14	10 56	19 7	3 51	5 37	1 34	2 17	1 32	11 36	1 30	23 6	0 5	7 48	1 53	20 55	0 7	12 44	0 42	21 52	1 37	11 4	11 35	2 7	16 44	6 23
S 15	11 18	18 11	3 0	6 20	1 29	2 47	1 32	11 23	1 31	23 7	0 5	7 46	1 53	20 55	0 7	12 43	0 42	21 52	1 37	11 4	11 36	2 9	16 44	6 23
S 16	11 39	16 22	2 1	7 2	1 23	3 17	1 32	11 11	1 31	23 8	0 5	7 44	1 53	20 55	0 7	12 43	0 42	21 52	1 37	11 4	11 37	2 11	16 44	6 23
M17	12 0	13 50	0 58	7 45	1 17	3 47	1 31	10 58	1 32	23 9	0 5	7 41	1 53	20 54	0 7	12 42	0 43	21 52	1 37	11 4	11 38	2 13	16 44	6 22
T 18	12 21	10 44	0n 6	8 27	1 11	4 16	1 31	10 46	1 32	23 10	0 5	7 39	1 53	20 54	0 7	12 42	0 43	21 52	1 37	11 4	11 40	2 15	16 45	6 22
W19	12 41	7 15	1 9	9 8	1 5	4 46	1 30	10 33	1 32	23 11	0 4	7 37	1 54	20 53	0 7	12 42	0 43	21 52	1 37	11 4	11 41	2 17	16 45	6 21
T 20	13 2	3 30	2 9	9 50	0 59	5 15	1 29	10 20	1 33	23 12	0 4	7 35	1 54	20 53	0 7	12 41	0 43	21 52	1 36	11 5	11 42	2 19	16 45	6 21
F 21	13 22	0s23	3 3	10 31	0 52	5 45	1 29	10 8	1 33	23 13	0 4	7 33	1 54	20 53	0 7	12 41	0 43	21 52	1 36	11 8	11 43	2 21	16 45	6 21
S 22	13 42	4 15	3 48	11 11	0 46	6 14	1 28	9 55	1 34	23 13	0 4	7 31	1 54	20 52	0 7	12 41	0 43	21 52	1 36	11 11	11 44	2 23	16 45	6 20
S 23	14 2	7 58	4 24	11 51	0 39	6 43	1 27	9 42	1 34	23 14	0 4	7 29	1 54	20 52	0 7	12 40	0 43	21 53	1 36	11 15	11 45	2 25	16 45	6 20
M24	14 22	11 24	4 49	12 30	0 33	7 12	1 26	9 30	1 35	23 15	0 4	7 27	1 55	20 51	0 7	12 40	0 43	21 53	1 36	11 19	11 46	2 27	16 46	6 19
T 25	14 41	14 24	5 1	13 9	0 26	7 41	1 25	9 17	1 35	23 16	0 4	7 25	1 55	20 51	0 7	12 40	0 43	21 53	1 36	11 24	11 47	2 29	16 46	6 19
W26	15 0	16 49	4 59	13 47	0 19	8 10	1 24	9 4	1 36	23 16	0 4	7 23	1 55	20 51	0 7	12 39	0 43	21 53	1 36	11 28	11 48	2 31	16 46	6 19
T 27	15 19	18 29	4 43	14 25	0 13	8 38	1 23	8 52	1 36	23 17	0 4	7 21	1 55	20 50	0 7	12 39	0 43	21 53	1 36	11 32	11 50	2 33	16 46	6 18
F 28	15 38	19 17	4 13	15 1	0 6	9 7	1 22	8 39	1 37	23 18	0 3	7 20	1 55	20 50	0 7	12 39	0 43	21 53	1 35	11 35	11 51	2 35	16 46	6 18
S 29	15 56	19 7	3 31	15 37	0s 1	9 35	1 21	8 26	1 37	23 19	0 3	7 18	1 56	20 49	0 7	12 38	0 43	21 53	1 35	11 38	11 52	2 37	16 46	6 17
S 30	16 14	17 58	2 36	16 13	0 7	10 3	1 19	8 13	1 38	23 19	0 3	7 16	1 56	20 49	0 7	12 38	0 43	21 53	1 35	11 39	11 53	2 39	16 46	6 17
M31	16s32	15s48	1n32	16s47	0s14	10s31	1n18	8n 0	1n38	23s20	0n 3	7n14	1n56	20n48	0s 7	12n38	0n43	21s53	1n35	11n39	11n54	2s41	16s46	6n17

Julian Day Number = 2185929.5, Delta T = 11m07s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'53, Lahiri = 13°42'54 Julian Calendar 1 Oct. 1272 == Greg. Calendar 8 Oct. 1272

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ASTRODIENST EPHEMERIS for the year 1272
geocentric

NOVEMBER 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 11 17	16♏29'02	25♒32	17♏ 9	1♏52	14♍ 7	24♐ 1	16♍18	3°R21	28♌45	4♑ 0	29°R37	28♌51	15♎39	11♑39	T 1
W 2	3 15 13	17°29'39	9♓31	18°44	3° 7	14°41	24°13	16°23	3♊19	28°45	4° 2	29♌37	28°48	15°46	11°43	W 2
T 3	3 19 10	18°30'18	23°52	20°18	4°22	15°15	24°26	16°28	3°17	28°46	4° 3	29°35	28°45	15°52	11°47	T 3
F 4	3 23 7	19°30'58	8♈34	21°53	5°38	15°49	24°38	16°32	3°14	28°47	4° 5	29°31	28°41	15°59	11°50	F 4
S 5	3 27 3	20°31'39	23°31	23°27	6°53	16°23	24°51	16°37	3°12	28°48	4° 7	29°24	28°38	16° 6	11°54	S 5
S 6	3 31 0	21°32'21	8♉37	25° 1	8° 8	16°56	25° 4	16°42	3° 9	28°48	4° 8	29°14	28°35	16°12	11°58	S 6
M 7	3 34 56	22°33'05	23°41	26°35	9°24	17°30	25°16	16°46	3° 7	28°49	4°10	29° 2	28°32	16°19	12° 2	M 7
T 8	3 38 53	23°33'50	8♊33	28° 9	10°39	18° 4	25°29	16°50	3° 4	28°49	4°12	28°51	28°29	16°26	12° 7	T 8
W 9	3 42 49	24°34'37	23° 5	29°42	11°55	18°37	25°42	16°55	3° 2	28°50	4°13	28°40	28°26	16°32	12°11	W 9
T 10	3 46 46	25°35'25	7♋10	1♐16	13°10	19°11	25°55	16°59	2°59	28°50	4°15	28°31	28°22	16°39	12°15	T 10
F 11	3 50 42	26°36'14	20°46	2°50	14°25	19°44	26° 8	17° 3	2°57	28°51	4°17	28°24	28°19	16°46	12°19	F 11
S 12	3 54 39	27°37'05	3♌52	4°23	15°41	20°18	26°21	17° 7	2°54	28°51	4°18	28°21	28°16	16°52	12°23	S 12
S 13	3 58 36	28°37'57	16°34	5°56	16°56	20°51	26°34	17°11	2°52	28°51	4°20	28°19	28°13	16°59	12°28	S 13
M14	4 2 32	29°38'51	28°53	7°30	18°12	21°24	26°47	17°15	2°49	28°52	4°22	28°19	28°10	17° 6	12°32	M14
T 15	4 6 29	0♐39'46	10♍57	9° 3	19°27	21°57	27° 0	17°19	2°47	28°52	4°24	28°19	28° 6	17°12	12°36	T 15
W16	4 10 25	1°40'42	22°51	10°36	20°43	22°30	27°13	17°22	2°44	28°52	4°25	28°18	28° 3	17°19	12°41	W16
T 17	4 14 22	2°41'39	4♎40	12° 9	21°58	23° 3	27°26	17°26	2°41	28°53	4°27	28°14	28° 0	17°26	12°45	T 17
F 18	4 18 18	3°42'38	16°28	13°42	23°14	23°35	27°40	17°29	2°39	28°53	4°29	28° 8	27°57	17°33	12°50	F 18
S 19	4 22 15	4°43'38	28°20	15°16	24°29	24° 8	27°53	17°33	2°36	28°53	4°31	27°58	27°54	17°39	12°55	S 19
S 20	4 26 11	5°44'39	10♏19	16°49	25°45	24°41	28° 6	17°36	2°34	28°53	4°33	27°46	27°51	17°46	12°59	S 20
M21	4 30 8	6°45'42	22°26	18°21	27° 0	25°13	28°20	17°39	2°31	28°53	4°35	27°33	27°47	17°53	13° 4	M21
T 22	4 34 5	7°46'45	4♐44	19°54	28°16	25°45	28°33	17°42	2°29	28°53	4°37	27°18	27°44	17°59	13° 9	T 22
W23	4 38 1	8°47'49	17°13	21°27	29°31	26°18	28°47	17°45	2°26	28°R53	4°38	27° 4	27°41	18° 6	13°13	W23
T 24	4 41 58	9°48'54	29°52	22°59	0♐47	26°50	29° 0	17°48	2°24	28°53	4°40	26°52	27°38	18°13	13°18	T 24
F 25	4 45 54	10°49'59	12♑42	24°32	2° 2	27°22	29°14	17°51	2°21	28°53	4°42	26°42	27°35	18°19	13°23	F 25
S 26	4 49 51	11°51'05	25°42	26° 4	3°18	27°54	29°27	17°54	2°19	28°53	4°44	26°36	27°32	18°26	13°28	S 26
S 27	4 53 47	12°52'12	8♒54	27°35	4°34	28°25	29°41	17°56	2°16	28°53	4°46	26°32	27°28	18°33	13°33	S 27
M28	4 57 44	13°53'19	22°18	29° 6	5°49	28°57	29°55	17°59	2°14	28°53	4°48	26°D31	27°25	18°39	13°37	M28
T 29	5 1 41	14°54'26	5♓55	0♑37	7° 5	29°29	0♑ 8	18° 1	2°11	28°53	4°50	26°31	27°22	18°46	13°42	T 29
W30	5 5 37	15♐55'34	19♓46	2♑ 7	8♐20	0♎ 0	0♑22	18♍ 3	2♊ 9	28♌52	4♑52	26°R31	27♌19	18♎53	13♑47	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16s50	12s43	0n22	17s21	0s21	10s58	1n17	7n48	1n39	23s21	0n 3	7n13	1n56	20n48	0s 7	12n38	0n43	21s53	1n35	11n39	11n55	2s43	16s46	6n16	T 1
W 2	17 7	8 50	0s52	17 54	0 27	11 25	1 15	7 35	1 39	23 21	0 3	7 11	1 57	20 47	0 7	12 37	0 43	21 53	1 35	11 39	11 56	2 45	16 46	6 16	W 2
T 3	17 24	4 21	2 5	18 26	0 34	11 52	1 14	7 22	1 40	23 22	0 3	7 9	1 57	20 47	0 7	12 37	0 43	21 54	1 35	11 40	11 57	2 47	16 46	6 16	T 3
F 4	17 41	0n30	3 10	18 57	0 40	12 19	1 12	7 9	1 40	23 23	0 3	7 8	1 57	20 47	0 7	12 37	0 43	21 54	1 34	11 41	11 58	2 49	16 46	6 15	F 4
S 5	17 57	5 23	4 4	19 27	0 46	12 45	1 11	6 57	1 41	23 23	0 3	7 6	1 57	20 46	0 7	12 37	0 43	21 54	1 34	11 44	12 0	2 51	16 46	6 15	S 5
S 6	18 13	9 59	4 41	19 56	0 52	13 11	1 9	6 44	1 41	23 24	0 2	7 4	1 57	20 46	0 7	12 37	0 43	21 54	1 34	11 47	12 1	2 53	16 46	6 15	S 6
M 7	18 29	13 56	4 59	20 25	0 58	13 37	1 7	6 31	1 42	23 24	0 2	7 3	1 58	20 45	0 7	12 36	0 43	21 54	1 34	11 51	12 2	2 55	16 46	6 14	M 7
T 8	18 44	16 56	4 56	20 52	1 4	14 2	1 5	6 18	1 42	23 25	0 2	7 1	1 58	20 45	0 7	12 36	0 43	21 54	1 34	11 55	12 3	2 57	16 46	6 14	T 8
W 9	18 59	18 47	4 34	21 18	1 10	14 27	1 4	6 6	1 43	23 26	0 2	7 0	1 58	20 44	0 7	12 36	0 43	21 54	1 34	11 59	12 4	2 59	16 46	6 14	W 9
T 10	19 14	19 25	3 55	21 44	1 16	14 52	1 2	5 53	1 43	23 26	0 2	6 59	1 58	20 44	0 7	12 36	0 43	21 54	1 34	12 2	12 5	3 1	16 46	6 13	T 10
F 11	19 28	18 53	3 5	22 8	1 21	15 16	1 0	5 40	1 44	23 27	0 2	6 57	1 59	20 43	0 7	12 36	0 43	21 54	1 34	12 4	12 6	3 3	16 46	6 13	F 11
S 12	19 42	17 20	2 5	22 31	1 26	15 40	0 58	5 27	1 44	23 27	0 2	6 56	1 59	20 43	0 7	12 36	0 43	21 54	1 33	12 6	12 7	3 5	16 46	6 13	S 12
S 13	19 56	14 57	1 2	22 53	1 31	16 4	0 56	5 15	1 45	23 27	0 2	6 55	1 59	20 42	0 7	12 36	0 43	21 54	1 33	12 6	12 8	3 7	16 46	6 12	S 13
M14	20 9	11 57	0n 3	23 14	1 36	16 27	0 54	5 2	1 45	23 28	0 2	6 53	1 59	20 42	0 7	12 36	0 43	21 54	1 33	12 6	12 10	3 9	16 46	6 12	M14
T 15	20 22	8 31	1 6	23 33	1 41	16 50	0 52	4 49	1 46	23 28	0 2	6 52	2 0	20 41	0 6	12 35	0 43	21 54	1 33	12 6	12 11	3 11	16 46	6 12	T 15
W16	20 35	4 46	2 6	23 52	1 46	17 12	0 50	4 37	1 46	23 29	0 1	6 51	2 0	20 41	0 6	12 35	0 44	21 54	1 33	12 7	12 12	3 13	16 45	6 12	W16
T 17	20 47	0 53	3 0	24 9	1 50	17 34	0 48	4 24	1 47	23 29	0 1	6 50	2 0	20 40	0 6	12 35	0 44	21 55	1 33	12 8	12 13	3 15	16 45	6 11	T 17
F 18	20 58	3s 2	3 45	24 25	1 54	17 55	0 46	4 12	1 47	23 29	0 1	6 49	2 0	20 40	0 6	12 35	0 44	21 55	1 33	12 10	12 14	3 17	16 45	6 11	F 18
S 19	21 10	6 51	4 21	24 39	1 57	18 16	0 44	3 59	1 48	23 30	0 1	6 47	2 1	20 39	0 6	12 35	0 44	21 55	1 33	12 13	12 15	3 19	16 45	6 11	S 19
S 20	21 21	10 26	4 46	24 53	2 1	18 36	0 41	3 47	1 48	23 30	0 1	6 46	2 1	20 39	0 6	12 35	0 44	21 55	1 33	12 18	12 16	3 21	16 45	6 11	S 20
M21	21 31	13 38	4 59	25 5	2 4	18 56	0 39	3 34	1 49	23 30	0 1	6 45	2 1	20 38	0 6	12 35	0 44	21 55	1 32	12 22	12 17	3 23	16 45	6 10	M21
T 22	21 41	16 17	4 57	25 15	2 7	19 15	0 37	3 22	1 49	23 31	0 1	6 44	2 1	20 38	0 6	12 35	0 44	21 55	1 32	12 27	12 18	3 25	16 44	6 10	T 22
W23	21 51	18 14	4 42	25 24	2 9	19 34	0 35	3 9	1 50	23 31	0 1	6 43	2 2	20 37	0 6	12 35	0 44	21 55	1 32	12 32	12 19	3 27	16 44	6 10	W23
T 24	22 0	19 19	4 12	25 32	2 11	19 52	0 32	2 57	1 50	23 31	0 1	6 43	2 2	20 37	0 6	12 35	0 44	21 55	1 32	12 36	12 21	3 29	16 44	6 10	T 24
F 25	22 9	19 27	3 30	25 38	2 13	20 9	0 30	2 45	1 51	23 31	0 1	6 42	2 2	20 36	0 6	12 35	0 44	21 55	1 32	12 40	12 22	3 31	16 44	6 9	F 25
S 26	22 18	18 32	2 35	25 43	2 14	20 27	0 28	2 32	1 51	23 31	0 0	6 41	2 3	20 36	0 6	12 35	0 44	21 55	1 32	12 42	12 23	3 33	16 44	6 9	S 26
S 27	22 26	16 37	1 32	25 46	2 15	20 43	0 25	2 20	1 52	23 32	0 0	6 40	2 3	20 35	0 6	12 36	0 44	21 55	1 32	12 43	12 24	3 35	16 43	6 9	S 27
M28	22 33	13 47	0 22	25 47	2 16	20 59	0 23	2 8	1 52	23 32	0 0	6 39	2 3	20 35	0 6	12 36	0 44	21 55	1 32	12 44	12 25	3 37	16 43	6 9	M28
T 29	22 40	10 9	0s50	25 47	2 16	21 14	0 21	1 56	1 53	23 32	0 0	6 39	2 3	20 34	0 6	12 36	0 44	21 55	1 31	12 44	12 26	3 39	16 43	6 9	T 29
W30	22s47	5s54	2s 0	25s46	2s15	21s29	0n18	1n44	1n53	23s32	0n 0	6n38	2n 4	20n34	0s 6	12n36	0n44	21s55	1n31	12n43	12n27	3s41	16s42	6n 8	W30

Julian Day Number = 2185960.5, Delta T = 11m07s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°35'58, Lahiri = 13°42'58 Julian Calendar 1 Nov. 1272 == Greg. Calendar 8 Nov. 1272

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ASTRODIENST EPHEMERIS for the year 1272
geocentric

DECEMBER 1272 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 9 34	16♐56'41	3♈53	3♑36	9♐36	0♎31	0♑36	18♍ 6	2°R 6	28°R52	4♑54	26°R30	27♌16	19♎ 0	13♑52	T 1
F 2	5 13 30	17°57'49	18°14	5° 4	10°51	1° 3	0°50	18° 8	2♊ 4	28♌52	4°56	26♌26	27°12	19° 6	13°57	F 2
S 3	5 17 27	18°58'57	2♉47	6°31	12° 7	1°34	1° 3	18°10	2° 1	28°52	4°58	26°20	27° 9	19°13	14° 2	S 3
S 4	5 21 23	20° 0'06	17°27	7°56	13°22	2° 4	1°17	18°11	1°59	28°51	5° 0	26°12	27° 6	19°20	14° 7	S 4
M 5	5 25 20	21° 1'14	2♊ 8	9°20	14°38	2°35	1°31	18°13	1°57	28°51	5° 2	26° 2	27° 3	19°26	14°13	M 5
T 6	5 29 16	22° 2'23	16°41	10°42	15°53	3° 6	1°45	18°15	1°54	28°51	5° 4	25°51	27° 0	19°33	14°18	T 6
W 7	5 33 13	23° 3'32	0♋59	12° 1	17° 9	3°36	1°59	18°16	1°52	28°50	5° 6	25°41	26°57	19°40	14°23	W 7
T 8	5 37 10	24° 4'42	14°57	13°17	18°24	4° 7	2°13	18°18	1°50	28°50	5° 8	25°33	26°53	19°46	14°28	T 8
F 9	5 41 6	25° 5'52	28°31	14°30	19°40	4°37	2°26	18°19	1°47	28°49	5°10	25°27	26°50	19°53	14°33	F 9
S 10	5 45 3	26° 7'02	11♌39	15°39	20°55	5° 7	2°40	18°20	1°45	28°49	5°12	25°24	26°47	20° 0	14°38	S 10
S 11	5 48 59	27° 8'13	24°24	16°44	22°11	5°37	2°54	18°22	1°43	28°48	5°14	25°D23	26°44	20° 6	14°44	S 11
M12	5 52 56	28° 9'23	6♍48	17°43	23°26	6° 7	3° 8	18°23	1°41	28°47	5°16	25°23	26°41	20°13	14°49	M12
T 13	5 56 52	29°10'35	18°55	18°36	24°42	6°36	3°22	18°24	1°38	28°47	5°19	25°24	26°38	20°20	14°54	T 13
W14	6 0 49	0♑11'46	0♎52	19°23	25°57	7° 6	3°36	18°24	1°36	28°46	5°21	25°R25	26°34	20°27	14°59	W14
T 15	6 4 45	1°12'58	12°42	20° 1	27°13	7°35	3°50	18°25	1°34	28°45	5°23	25°24	26°31	20°33	15° 5	T 15
F 16	6 8 42	2°14'10	24°32	20°31	28°28	8° 4	4° 4	18°26	1°32	28°45	5°25	25°21	26°28	20°40	15°10	F 16
S 17	6 12 39	3°15'22	6♏26	20°51	29°44	8°33	4°18	18°26	1°30	28°44	5°27	25°16	26°25	20°47	15°15	S 17
S 18	6 16 35	4°16'34	18°29	21°R 1	0♑59	9° 2	4°32	18°26	1°28	28°43	5°29	25° 8	26°22	20°53	15°21	S 18
M19	6 20 32	5°17'47	0♐44	21° 0	2°15	9°31	4°46	18°27	1°26	28°42	5°31	25° 0	26°18	21° 0	15°26	M19
T 20	6 24 28	6°18'59	13°12	20°47	3°30	9°59	5° 0	18°27	1°24	28°41	5°33	24°50	26°15	21° 7	15°31	T 20
W21	6 28 25	7°20'12	25°55	20°22	4°46	10°27	5°14	18°R27	1°22	28°40	5°35	24°41	26°12	21°13	15°37	W21
T 22	6 32 21	8°21'24	8♑53	19°46	6° 1	10°55	5°28	18°27	1°20	28°40	5°37	24°33	26° 9	21°20	15°42	T 22
F 23	6 36 18	9°22'36	22° 5	18°58	7°17	11°23	5°42	18°27	1°18	28°39	5°39	24°26	26° 6	21°27	15°47	F 23
S 24	6 40 14	10°23'47	5♒29	18° 0	8°32	11°51	5°56	18°26	1°17	28°38	5°41	24°22	26° 3	21°34	15°53	S 24
S 25	6 44 11	11°24'58	19° 4	16°54	9°48	12°18	6°10	18°26	1°15	28°37	5°43	24°D21	25°59	21°40	15°58	S 25
M26	6 48 8	12°26'08	2♓48	15°41	11° 3	12°45	6°24	18°25	1°13	28°36	5°46	24°21	25°56	21°47	16° 4	M26
T 27	6 52 4	13°27'18	16°40	14°24	12°19	13°12	6°38	18°25	1°11	28°35	5°48	24°22	25°53	21°54	16° 9	T 27
W28	6 56 1	14°28'26	0♈39	13° 5	13°34	13°39	6°52	18°24	1°10	28°33	5°50	24°24	25°50	22° 0	16°14	W28
T 29	6 59 57	15°29'34	14°44	11°47	14°50	14° 6	7° 6	18°23	1° 8	28°32	5°52	24°R24	25°47	22° 7	16°20	T 29
F 30	7 3 54	16°30'41	28°55	10°32	16° 5	14°32	7°20	18°22	1° 6	28°31	5°54	24°24	25°44	22°14	16°25	F 30
S 31	7 7 50	17♑31'47	13♉ 8	9♑22	17♑20	14♎58	7♑33	18♍21	1♊ 5	28♌30	5♑56	24♌21	25♌40	22♎20	16♑30	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s53	1s17	3s 5	25s43	2s14	21s43	0n16	1n32	1n54	23s32	0s 0	6n37	2n 4	20n34	0s 6	12n36	0n44	21s55	1n31	12n44	12n28	3s43	16s42	6n 8
F 2	22 59	3n30	3 59	25 38	2 12	21 56	0 14	1 20	1 54	23 32	0 0	6 37	2 4	20 33	0 6	12 36	0 44	21 55	1 31	12 45	12 29	3 45	16 42	6 8
S 3	23 4	8 8	4 38	25 32	2 9	22 9	0 11	1 8	1 55	23 32	0 0	6 36	2 4	20 33	0 6	12 36	0 44	21 55	1 31	12 47	12 30	3 47	16 41	6 8
S 4	23 9	12 19	4 59	25 24	2 6	22 21	0 9	0 56	1 55	23 32	0 0	6 36	2 5	20 32	0 6	12 36	0 44	21 55	1 31	12 50	12 31	3 50	16 41	6 8
M 5	23 14	15 45	5 1	25 14	2 2	22 32	0 6	0 44	1 56	23 32	0 0	6 35	2 5	20 32	0 6	12 37	0 44	21 55	1 31	12 53	12 33	3 52	16 41	6 8
T 6	23 17	18 10	4 43	25 3	1 58	22 43	0 4	0 33	1 56	23 32	0 1	6 35	2 5	20 31	0 6	12 37	0 44	21 55	1 31	12 57	12 34	3 54	16 40	6 7
W 7	23 21	19 24	4 8	24 51	1 52	22 53	0 2	0 21	1 57	23 32	0 1	6 35	2 6	20 31	0 6	12 37	0 44	21 55	1 31	13 0	12 35	3 56	16 40	6 7
T 8	23 24	19 24	3 18	24 37	1 46	23 2	0s 1	0 9	1 58	23 32	0 1	6 34	2 6	20 30	0 6	12 37	0 44	21 55	1 31	13 3	12 36	3 58	16 40	6 7
F 9	23 26	18 17	2 18	24 22	1 39	23 11	0 3	0s 2	1 58	23 31	0 1	6 34	2 6	20 30	0 6	12 37	0 44	21 55	1 30	13 5	12 37	4 0	16 39	6 7
S 10	23 28	16 11	1 13	24 6	1 30	23 19	0 6	0 14	1 59	23 31	0 1	6 34	2 6	20 29	0 6	12 38	0 44	21 55	1 30	13 6	12 38	4 2	16 39	6 7
S 11	23 30	13 21	0 5	23 49	1 21	23 26	0 8	0 25	1 59	23 31	0 1	6 34	2 7	20 29	0 6	12 38	0 44	21 55	1 30	13 7	12 39	4 4	16 38	6 7
M12	23 31	10 0	1n 1	23 31	1 11	23 33	0 10	0 36	2 0	23 31	0 1	6 34	2 7	20 29	0 6	12 38	0 44	21 56	1 30	13 6	12 40	4 6	16 38	6 7
T 13	23 32	6 17	2 3	23 12	0 59	23 38	0 13	0 48	2 0	23 31	0 1	6 33	2 7	20 28	0 6	12 38	0 44	21 56	1 30	13 6	12 41	4 8	16 37	6 7
W14	23 32	2 23	2 59	22 53	0 46	23 43	0 15	0 59	2 1	23 30	0 1	6 33	2 7	20 28	0 6	12 39	0 45	21 56	1 30	13 6	12 42	4 10	16 37	6 6
T 15	23 32	1s34	3 46	22 34	0 32	23 48	0 18	1 10	2 1	23 30	0 1	6 33	2 8	20 27	0 6	12 39	0 45	21 56	1 30	13 6	12 43	4 12	16 36	6 6
F 16	23 31	5 27	4 24	22 15	0 17	23 51	0 20	1 21	2 2	23 30	0 2	6 33	2 8	20 27	0 6	12 39	0 45	21 56	1 30	13 7	12 44	4 14	16 36	6 6
S 17	23 29	9 9	4 50	21 56	0 1	23 54	0 22	1 32	2 2	23 29	0 2	6 33	2 8	20 26	0 6	12 39	0 45	21 56	1 30	13 9	12 46	4 16	16 35	6 6
S 18	23 28	12 31	5 5	21 37	0n16	23 56	0 24	1 43	2 3	23 29	0 2	6 34	2 9	20 26	0 6	12 40	0 45	21 56	1 30	13 11	12 47	4 18	16 35	6 6
M19	23 25	15 24	5 5	21 19	0 34	23 57	0 27	1 54	2 3	23 29	0 2	6 34	2 9	20 26	0 6	12 40	0 45	21 56	1 29	13 14	12 48	4 20	16 34	6 6
T 20	23 23	17 39	4 51	21 3	0 53	23 58	0 29	2 4	2 4	23 28	0 2	6 34	2 9	20 25	0 6	12 40	0 45	21 56	1 29	13 18	12 49	4 22	16 34	6 6
W21	23 20	19 5	4 23	20 48	1 12	23 58	0 31	2 15	2 4	23 28	0 2	6 34	2 9	20 25	0 6	12 41	0 45	21 56	1 29	13 21	12 50	4 24	16 33	6 6
T 22	23 16	19 34	3 40	20 34	1 31	23 57	0 33	2 25	2 5	23 27	0 2	6 34	2 10	20 24	0 6	12 41	0 45	21 56	1 29	13 23	12 51	4 26	16 33	6 6
F 23	23 12	19 0	2 45	20 22	1 50	23 55	0 36	2 36	2 6	23 27	0 2	6 35	2 10	20 24	0 6	12 41	0 45	21 56	1 29	13 26	12 52	4 28	16 32	6 6
S 24	23 7	17 21	1 40	20 11	2 9	23 53	0 38	2 46	2 6	23 26	0 2	6 35	2 10	20 24	0 6	12 42	0 45	21 56	1 29	13 27	12 53	4 30	16 31	6 6
S 25	23 2	14 43	0 29	20 3	2 26	23 50	0 40	2 56	2 7	23 26	0 2	6 36	2 11	20 23	0 6	12 42	0 45	21 56	1 29	13 27	12 54	4 32	16 31	6 6
M26	22 57	11 14	0s46	19 56	2 42	23 46	0 42	3 6	2 7	23 25	0 3	6 36	2 11	20 23	0 6	12 43	0 45	21 56	1 29	13 27	12 55	4 34	16 30	6 6
T 27	22 51	7 6	1 58	19 51	2 55	23 41	0 44	3 16	2 8	23 25	0 3	6 37	2 11	20 23	0 6	12 43	0 45	21 56	1 29	13 27	12 56	4 36	16 30	6 6
W28	22 45	2 33	3 4	19 47	3 7	23 36	0 46	3 26	2 8	23 24	0 3	6 37	2 11	20 22	0 6	12 43	0 45	21 56	1 29	13 27	12 57	4 38	16 29	6 6
T 29	22 38	2n 9	4 0	19 45	3 16	23 30	0 48	3 36	2 9	23 23	0 3	6 38	2 12	20 22	0 6	12 44	0 45	21 56	1 29	13 26	12 59	4 40	16 28	6 6
F 30	22 30	6 45	4 41	19 45	3 23	23 23	0 50	3 46	2 9	23 23	0 3	6 38	2 12	20 22	0 6	12 44	0 45	21 56	1 28	13 27	13 0	4 42	16 28	6 6
S 31	22s23	10n59	5s 5	19s46	3n27	23s16	0s52	3s56	2n10	23s22	0s 3	6n39	2n12	20n21	0s 6	12n45	0n45	21s56	1n28	13n27	13n 1	4s44	16s27	6n 6

Julian Day Number = 2185990.5, Delta T = 11m07s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'02, Lahiri = 13°43'02 Julian Calendar 1 Dec. 1272 == Greg. Calendar 8 Dec. 1272

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ASTRODIENST EPHEMERIS for the year 1273
geocentric

JANUARY 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 11 47	18♉32'53	27♌22	8°R18	18♉36	15♎24	7♉47	18°R20	1°R 3	28°R29	5♉58	24°R17	25♌37	22♎27	16♉36	S 1
M 2	7 15 43	19°33'57	11♊33	7♉23	19°51	15°50	8° 1	18♍19	1♊ 2	28♌28	6° 0	24♌12	25°34	22°34	16°41	M 2
T 3	7 19 40	20°35'00	25°36	6°36	21° 7	16°15	8°15	18°17	1° 0	28°26	6° 2	24° 6	25°31	22°41	16°47	T 3
W 4	7 23 37	21°36'03	9♋29	5°58	22°22	16°41	8°29	18°16	0°59	28°25	6° 4	24° 1	25°28	22°47	16°52	W 4
T 5	7 27 33	22°37'05	23° 6	5°29	23°37	17° 6	8°43	18°14	0°58	28°24	6° 6	23°57	25°24	22°54	16°57	T 5
F 6	7 31 30	23°38'06	6♌25	5°10	24°53	17°30	8°56	18°13	0°57	28°23	6° 8	23°54	25°21	23° 1	17° 3	F 6
S 7	7 35 26	24°39'06	19°24	4°59	26° 8	17°55	9°10	18°11	0°55	28°21	6°10	23°D53	25°18	23° 7	17° 8	S 7
S 8	7 39 23	25°40'05	2♍ 5	4°D57	27°23	18°19	9°24	18° 9	0°54	28°20	6°12	23°53	25°15	23°14	17°13	S 8
M 9	7 43 19	26°41'03	14°29	5° 2	28°39	18°43	9°38	18° 7	0°53	28°19	6°14	23°54	25°12	23°21	17°19	M 9
T 10	7 47 16	27°42'01	26°38	5°15	29°54	19° 6	9°51	18° 5	0°52	28°17	6°16	23°56	25° 9	23°27	17°24	T 10
W11	7 51 12	28°42'58	8♎36	5°34	1♒ 9	19°30	10° 5	18° 3	0°51	28°16	6°18	23°58	25° 5	23°34	17°29	W11
T 12	7 55 9	29°43'54	20°29	6° 0	2°25	19°53	10°19	18° 0	0°50	28°15	6°20	23°59	25° 2	23°41	17°35	T 12
F 13	7 59 6	0♒44'49	2♏20	6°31	3°40	20°15	10°32	17°58	0°49	28°13	6°22	23°R59	24°59	23°48	17°40	F 13
S 14	8 3 2	1°45'44	14°15	7° 7	4°55	20°38	10°46	17°56	0°48	28°12	6°24	23°59	24°56	23°54	17°45	S 14
S 15	8 6 59	2°46'37	26°19	7°48	6°11	21° 0	10°59	17°53	0°47	28°10	6°25	23°57	24°53	24° 1	17°50	S 15
M16	8 10 55	3°47'30	8♐35	8°34	7°26	21°22	11°13	17°50	0°46	28° 9	6°27	23°54	24°50	24° 8	17°56	M16
T 17	8 14 52	4°48'22	21° 8	9°23	8°41	21°43	11°26	17°48	0°46	28° 7	6°29	23°51	24°46	24°14	18° 1	T 17
W18	8 18 48	5°49'13	3♑59	10°16	9°56	22° 4	11°40	17°45	0°45	28° 6	6°31	23°48	24°43	24°21	18° 6	W18
T 19	8 22 45	6°50'03	17°10	11°12	11°12	22°25	11°53	17°42	0°44	28° 4	6°33	23°46	24°40	24°28	18°11	T 19
F 20	8 26 41	7°50'51	0♒41	12°11	12°27	22°45	12° 6	17°39	0°44	28° 3	6°35	23°44	24°37	24°35	18°16	F 20
S 21	8 30 38	8°51'38	14°29	13°13	13°42	23° 5	12°20	17°36	0°43	28° 1	6°37	23°43	24°34	24°41	18°21	S 21
S 22	8 34 35	9°52'24	28°31	14°17	14°57	23°25	12°33	17°33	0°43	27°59	6°38	23°D43	24°30	24°48	18°27	S 22
M23	8 38 31	10°53'09	12♓44	15°23	16°12	23°44	12°46	17°29	0°42	27°58	6°40	23°43	24°27	24°55	18°32	M23
T 24	8 42 28	11°53'51	27° 3	16°32	17°28	24° 3	12°59	17°26	0°42	27°56	6°42	23°44	24°24	25° 1	18°37	T 24
W25	8 46 24	12°54'32	11♈24	17°43	18°43	24°22	13°12	17°23	0°42	27°55	6°44	23°45	24°21	25° 8	18°42	W25
T 26	8 50 21	13°55'11	25°43	18°55	19°58	24°40	13°25	17°19	0°41	27°53	6°46	23°46	24°18	25°15	18°47	T 26
F 27	8 54 17	14°55'49	9♉57	20°10	21°13	24°57	13°38	17°16	0°41	27°51	6°47	23°R47	24°15	25°21	18°52	F 27
S 28	8 58 14	15°56'25	24° 4	21°25	22°28	25°15	13°51	17°12	0°41	27°50	6°49	23°47	24°11	25°28	18°57	S 28
S 29	9 2 10	16°56'59	8♊ 2	22°43	23°43	25°31	14° 4	17° 8	0°41	27°48	6°51	23°46	24° 8	25°35	19° 2	S 29
M30	9 6 7	17°57'31	21°49	24° 2	24°58	25°48	14°17	17° 4	0°41	27°47	6°52	23°46	24° 5	25°42	19° 6	M30
T 31	9 10 4	18♒58'01	5♋25	25♉22	26♒13	26♎ 4	14♉30	17♍ 1	0°D41	27♌45	6♉54	23♌45	24♌ 2	25♎48	19♉11	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s15	14n36	5s11	19s48	3n29	23s 7	0s54	4s 5	2n10	23s21	0s 3	6n40	2n12	20n21	0s 6	12n45	0n45	21s56	1n28	13n29	13n 2	4s46	16s26	6n 6
M 2	22 6	17 21	4 57	19 52	3 28	22 59	0 56	4 14	2 11	23 20	0 3	6 40	2 13	20 21	0 6	12 46	0 45	21 56	1 28	13 30	13 3	4 48	16 26	6 6
T 3	21 57	19 2	4 26	19 57	3 26	22 49	0 58	4 24	2 11	23 20	0 3	6 41	2 13	20 21	0 6	12 46	0 45	21 56	1 28	13 32	13 4	4 50	16 25	6 6
W 4	21 47	19 33	3 39	20 3	3 21	22 39	0 59	4 33	2 12	23 19	0 3	6 42	2 13	20 20	0 6	12 46	0 45	21 56	1 28	13 34	13 5	4 52	16 24	6 6
T 5	21 38	18 55	2 40	20 9	3 16	22 27	1 1	4 42	2 13	23 18	0 4	6 43	2 14	20 20	0 6	12 47	0 45	21 56	1 28	13 35	13 6	4 54	16 24	6 6
F 6	21 27	17 13	1 34	20 17	3 9	22 16	1 3	4 51	2 13	23 17	0 4	6 44	2 14	20 20	0 6	12 47	0 45	21 56	1 28	13 36	13 7	4 56	16 23	6 6
S 7	21 17	14 40	0 24	20 26	3 1	22 3	1 4	5 0	2 14	23 17	0 4	6 45	2 14	20 20	0 6	12 48	0 45	21 56	1 28	13 37	13 8	4 58	16 22	6 6
S 8	21 5	11 28	0n45	20 34	2 52	21 50	1 6	5 8	2 14	23 16	0 4	6 46	2 14	20 19	0 6	12 48	0 45	21 56	1 28	13 37	13 9	5 0	16 21	6 6
M 9	20 54	7 50	1 51	20 44	2 42	21 37	1 7	5 17	2 15	23 15	0 4	6 47	2 15	20 19	0 6	12 49	0 45	21 56	1 28	13 36	13 10	5 2	16 21	6 7
T 10	20 42	3 57	2 50	20 53	2 33	21 22	1 9	5 25	2 15	23 14	0 4	6 48	2 15	20 19	0 6	12 49	0 45	21 56	1 28	13 36	13 11	5 4	16 20	6 7
W11	20 30	0s 2	3 42	21 3	2 22	21 7	1 10	5 34	2 16	23 13	0 4	6 49	2 15	20 19	0 6	12 50	0 45	21 56	1 27	13 35	13 12	5 6	16 19	6 7
T 12	20 17	3 58	4 23	21 12	2 12	20 52	1 12	5 42	2 16	23 12	0 4	6 50	2 15	20 19	0 6	12 50	0 45	21 55	1 27	13 35	13 14	5 8	16 18	6 7
F 13	20 4	7 45	4 53	21 21	2 1	20 35	1 13	5 50	2 17	23 11	0 4	6 51	2 16	20 18	0 6	12 51	0 45	21 55	1 27	13 35	13 15	5 10	16 18	6 7
S 14	19 51	11 14	5 10	21 30	1 50	20 19	1 14	5 58	2 17	23 10	0 4	6 52	2 16	20 18	0 6	12 51	0 45	21 55	1 27	13 35	13 16	5 12	16 17	6 7
S 15	19 37	14 18	5 15	21 39	1 39	20 1	1 15	6 6	2 18	23 9	0 5	6 54	2 16	20 18	0 6	12 52	0 45	21 55	1 27	13 35	13 17	5 14	16 16	6 7
M16	19 23	16 48	5 5	21 47	1 29	19 43	1 17	6 13	2 18	23 8	0 5	6 55	2 16	20 18	0 6	12 52	0 45	21 55	1 27	13 36	13 18	5 17	16 15	6 7
T 17	19 8	18 34	4 40	21 54	1 18	19 25	1 18	6 21	2 19	23 7	0 5	6 56	2 17	20 18	0 6	12 53	0 45	21 55	1 27	13 37	13 19	5 19	16 14	6 8
W18	18 53	19 27	4 1	22 1	1 7	19 5	1 19	6 28	2 19	23 6	0 5	6 57	2 17	20 18	0 6	12 54	0 45	21 55	1 27	13 38	13 20	5 21	16 14	6 8
T 19	18 38	19 18	3 8	22 7	0 57	18 46	1 20	6 36	2 20	23 5	0 5	6 59	2 17	20 17	0 6	12 54	0 46	21 55	1 27	13 39	13 21	5 23	16 13	6 8
F 20	18 23	18 4	2 4	22 12	0 47	18 25	1 21	6 43	2 20	23 4	0 5	7 0	2 17	20 17	0 6	12 55	0 46	21 55	1 27	13 40	13 22	5 25	16 12	6 8
S 21	18 7	15 44	0 51	22 16	0 37	18 5	1 22	6 50	2 21	23 3	0 5	7 2	2 17	20 17	0 6	12 55	0 46	21 55	1 27	13 40	13 23	5 27	16 11	6 8
S 22	17 51	12 27	0s27	22 19	0 27	17 43	1 22	6 56	2 21	23 2	0 5	7 3	2 18	20 17	0 6	12 56	0 46	21 55	1 27	13 40	13 24	5 29	16 10	6 8
M23	17 34	8 24	1 43	22 21	0 17	17 22	1 23	7 3	2 22	23 0	0 5	7 5	2 18	20 17	0 6	12 56	0 46	21 55	1 27	13 40	13 25	5 31	16 9	6 9
T 24	17 17	3 50	2 54	22 22	0 8	16 59	1 24	7 10	2 22	22 59	0 6	7 6	2 18	20 17	0 6	12 57	0 46	21 55	1 27	13 40	13 26	5 33	16 9	6 9
W25	17 0	0n56	3 55	22 23	0s 1	16 37	1 24	7 16	2 23	22 58	0 6	7 8	2 18	20 17	0 6	12 57	0 46	21 55	1 26	13 39	13 27	5 35	16 8	6 9
T 26	16 43	5 38	4 40	22 22	0 10	16 14	1 25	7 22	2 23	22 57	0 6	7 9	2 19	20 17	0 6	12 58	0 46	21 55	1 26	13 39	13 28	5 37	16 7	6 9
F 27	16 25	9 59	5 8	22 19	0 19	15 50	1 26	7 28	2 24	22 56	0 6	7 11	2 19	20 17	0 6	12 59	0 46	21 55	1 26	13 39	13 30	5 39	16 6	6 9
S 28	16 7	13 44	5 17	22 16	0 27	15 26	1 26	7 34	2 24	22 54	0 6	7 12	2 19	20 17	0 6	12 59	0 46	21 55	1 26	13 39	13 31	5 41	16 5	6 10
S 29	15 49	16 40	5 7	22 11	0 35	15 1	1 26	7 40	2 25	22 53	0 6	7 14	2 19	20 17	0 6	13 0	0 46	21 55	1 26	13 39	13 32	5 43	16 4	6 10
M30	15 30	18 37	4 40	22 6	0 43	14 36	1 27	7 45	2 25	22 52	0 6	7 16	2 19	20 17	0 6	13 0	0 46	21 55	1 26	13 39	13 33	5 45	16 3	6 10
T 31	15s12	19n28	3s57	21s59	0s51	14s11	1s27	7s50	2n26	22s51	0s 6	7n17	2n20	20n17	0s 6	13n 1	0n46	21s55	1n26	13n39	13n34	5s47	16s 2	6n10

Julian Day Number = 2186021.5, Delta T = 11m07s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'06, Lahiri = 13°43'06 Julian Calendar 1 Jan. 1273 == Greg. Calendar 8 Jan. 1273

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ASTRODIENST EPHEMERIS for the year 1273
geocentric

FEBRUARY 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 14 0	19♒58'30	18♋49	26♑43	27♒28	26♎19	14♑42	16°R57	0♊41	27°R43	6♑56	23°R44	23♌59	25♎55	19♑16	W 1
T 2	9 17 57	20°58'56	1♌59	28° 6	28°43	26°34	14°55	16♍53	0°41	27♌42	6°57	23♌44	23°56	26° 2	19°21	T 2
F 3	9 21 53	21°59'21	14°56	29°30	29°58	26°49	15° 8	16°49	0°41	27°40	6°59	23°44	23°52	26° 8	19°26	F 3
S 4	9 25 50	22°59'44	27°38	0♒56	1♓13	27° 3	15°20	16°45	0°41	27°38	7° 0	23°D44	23°49	26°15	19°30	S 4
S 5	9 29 46	24° 0'06	10♍ 8	2°22	2°28	27°16	15°33	16°41	0°42	27°37	7° 2	23°R44	23°46	26°22	19°35	S 5
M 6	9 33 43	25° 0'25	22°25	3°50	3°43	27°30	15°45	16°36	0°42	27°35	7° 3	23°44	23°43	26°29	19°40	M 6
T 7	9 37 39	26° 0'43	4♎31	5°18	4°58	27°42	15°57	16°32	0°42	27°33	7° 5	23°44	23°40	26°35	19°44	T 7
W 8	9 41 36	27° 1'00	16°29	6°48	6°13	27°54	16°10	16°28	0°43	27°32	7° 6	23°43	23°36	26°42	19°49	W 8
T 9	9 45 33	28° 1'15	28°22	8°19	7°28	28° 6	16°22	16°23	0°43	27°30	7° 8	23°43	23°33	26°49	19°53	T 9
F 10	9 49 29	29° 1'28	10♏14	9°51	8°43	28°16	16°34	16°19	0°44	27°28	7° 9	23°42	23°30	26°55	19°58	F 10
S 11	9 53 26	0♓ 1'40	22° 8	11°24	9°58	28°27	16°46	16°15	0°44	27°27	7°11	23°42	23°27	27° 2	20° 2	S 11
S 12	9 57 22	1° 1'50	4♐10	12°58	11°12	28°37	16°58	16°10	0°45	27°25	7°12	23°D42	23°24	27° 9	20° 7	S 12
M13	10 1 19	2° 1'59	16°25	14°33	12°27	28°46	17°10	16° 6	0°46	27°23	7°14	23°42	23°21	27°15	20°11	M13
T 14	10 5 15	3° 2'06	28°55	16°10	13°42	28°54	17°22	16° 1	0°46	27°22	7°15	23°43	23°17	27°22	20°15	T 14
W15	10 9 12	4° 2'11	11♑46	17°47	14°57	29° 2	17°33	15°57	0°47	27°20	7°16	23°44	23°14	27°29	20°20	W15
T 16	10 13 8	5° 2'15	25° 1	19°25	16°12	29°10	17°45	15°52	0°48	27°18	7°17	23°45	23°11	27°36	20°24	T 16
F 17	10 17 5	6° 2'17	8♒39	21° 5	17°26	29°16	17°57	15°47	0°49	27°17	7°19	23°46	23° 8	27°42	20°28	F 17
S 18	10 21 2	7° 2'18	22°42	22°46	18°41	29°22	18° 8	15°43	0°50	27°15	7°20	23°R46	23° 5	27°49	20°32	S 18
S 19	10 24 58	8° 2'16	7♓ 5	24°27	19°56	29°28	18°19	15°38	0°51	27°13	7°21	23°46	23° 1	27°56	20°36	S 19
M20	10 28 55	9° 2'12	21°44	26°10	21°10	29°32	18°31	15°33	0°52	27°12	7°22	23°45	22°58	28° 2	20°40	M20
T 21	10 32 51	10° 2'07	6♈32	27°54	22°25	29°37	18°42	15°29	0°53	27°10	7°24	23°43	22°55	28° 9	20°44	T 21
W22	10 36 48	11° 1'59	21°21	29°40	23°40	29°40	18°53	15°24	0°54	27° 8	7°25	23°40	22°52	28°16	20°48	W22
T 23	10 40 44	12° 1'49	6♉ 4	1♓26	24°54	29°42	19° 4	15°19	0°55	27° 7	7°26	23°38	22°49	28°23	20°52	T 23
F 24	10 44 41	13° 1'36	20°34	3°14	26° 9	29°44	19°15	15°15	0°57	27° 5	7°27	23°36	22°46	28°29	20°56	F 24
S 25	10 48 37	14° 1'22	4♊49	5° 2	27°23	29°46	19°26	15°10	0°58	27° 4	7°28	23°35	22°42	28°36	21° 0	S 25
S 26	10 52 34	15° 1'05	18°44	6°52	28°38	29°R46	19°37	15° 5	0°59	27° 2	7°29	23°D35	22°39	28°43	21° 3	S 26
M27	10 56 31	16° 0'46	2♋21	8°43	29°52	29°46	19°47	15° 0	1° 1	27° 0	7°30	23°36	22°36	28°49	21° 7	M27
T 28	11 0 27	17♓ 0'24	15♋40	10♓36	1♈ 7	29♎45	19♑58	14♍56	1♊ 2	26♌59	7♑31	23♌37	22♌33	28♎56	21♑11	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14s53	19n12	3s 2	21s50	0s58	13s46	1s27	7s56	2n26	22s49	0s 6	7n19	2n20	20n17	0s 5	13n 2	0n46	21s55	1n26	13n40	13n35	5s49	16s 2	6n11
T 2	14 33	17 53	1 58	21 41	1 5	13 19	1 27	8 1	2 27	22 48	0 7	7 21	2 20	20 17	0 5	13 2	0 46	21 55	1 26	13 40	13 36	5 51	16 1	6 11
F 3	14 14	15 39	0 49	21 30	1 11	12 53	1 27	8 5	2 27	22 47	0 7	7 22	2 20	20 17	0 5	13 3	0 46	21 55	1 26	13 40	13 37	5 53	16 0	6 11
S 4	13 54	12 41	0n22	21 17	1 18	12 26	1 27	8 10	2 27	22 45	0 7	7 24	2 20	20 17	0 5	13 3	0 46	21 55	1 26	13 40	13 38	5 55	15 59	6 11
S 5	13 34	9 11	1 30	21 4	1 24	11 59	1 27	8 15	2 28	22 44	0 7	7 26	2 20	20 17	0 5	13 4	0 46	21 55	1 26	13 40	13 39	5 57	15 58	6 12
M 6	13 14	5 21	2 33	20 49	1 29	11 32	1 27	8 19	2 28	22 43	0 7	7 28	2 21	20 17	0 5	13 5	0 46	21 55	1 26	13 40	13 40	5 59	15 57	6 12
T 7	12 54	1 22	3 28	20 33	1 35	11 4	1 27	8 23	2 29	22 41	0 7	7 30	2 21	20 17	0 5	13 5	0 46	21 55	1 26	13 40	13 41	6 1	15 56	6 12
W 8	12 33	2s37	4 13	20 15	1 39	10 36	1 27	8 27	2 29	22 40	0 7	7 31	2 21	20 17	0 5	13 6	0 46	21 55	1 26	13 40	13 42	6 3	15 55	6 12
T 9	12 12	6 28	4 47	19 56	1 44	10 8	1 26	8 31	2 29	22 39	0 7	7 33	2 21	20 18	0 5	13 6	0 46	21 55	1 25	13 40	13 43	6 5	15 54	6 13
F 10	11 51	10 4	5 8	19 35	1 48	9 40	1 26	8 34	2 30	22 37	0 7	7 35	2 21	20 18	0 5	13 7	0 46	21 55	1 25	13 40	13 44	6 7	15 53	6 13
S 11	11 30	13 16	5 17	19 13	1 52	9 11	1 25	8 38	2 30	22 36	0 8	7 37	2 21	20 18	0 5	13 7	0 46	21 55	1 25	13 40	13 45	6 9	15 52	6 13
S 12	11 9	15 57	5 12	18 50	1 56	8 42	1 25	8 41	2 30	22 35	0 8	7 39	2 21	20 18	0 5	13 8	0 46	21 55	1 25	13 40	13 46	6 11	15 51	6 14
M13	10 47	17 59	4 53	18 26	1 59	8 13	1 24	8 44	2 31	22 33	0 8	7 41	2 22	20 18	0 5	13 9	0 46	21 55	1 25	13 40	13 47	6 13	15 51	6 14
T 14	10 26	19 12	4 19	17 59	2 2	7 43	1 24	8 47	2 31	22 32	0 8	7 43	2 22	20 18	0 5	13 9	0 46	21 55	1 25	13 40	13 48	6 15	15 50	6 14
W15	10 4	19 29	3 32	17 32	2 4	7 13	1 23	8 49	2 31	22 30	0 8	7 44	2 22	20 18	0 5	13 10	0 46	21 55	1 25	13 40	13 50	6 17	15 49	6 15
T 16	9 42	18 43	2 33	17 3	2 6	6 44	1 22	8 51	2 31	22 29	0 8	7 46	2 22	20 19	0 5	13 10	0 46	21 55	1 25	13 39	13 51	6 19	15 48	6 15
F 17	9 20	16 50	1 23	16 33	2 8	6 14	1 21	8 54	2 32	22 28	0 8	7 48	2 22	20 19	0 5	13 11	0 46	21 55	1 25	13 39	13 52	6 21	15 47	6 15
S 18	8 58	13 55	0 6	16 1	2 9	5 43	1 20	8 56	2 32	22 26	0 8	7 50	2 22	20 19	0 5	13 12	0 46	21 55	1 25	13 39	13 53	6 23	15 46	6 16
S 19	8 35	10 4	1s13	15 28	2 10	5 13	1 19	8 57	2 32	22 25	0 9	7 52	2 22	20 19	0 5	13 12	0 46	21 55	1 25	13 39	13 54	6 25	15 45	6 16
M20	8 13	5 34	2 29	14 53	2 10	4 43	1 18	8 59	2 32	22 23	0 9	7 54	2 22	20 19	0 5	13 13	0 46	21 55	1 25	13 39	13 55	6 27	15 44	6 16
T 21	7 50	0 41	3 35	14 17	2 10	4 12	1 17	9 0	2 32	22 22	0 9	7 56	2 22	20 20	0 5	13 13	0 46	21 55	1 25	13 40	13 56	6 29	15 43	6 17
W22	7 27	4n14	4 27	13 39	2 9	3 41	1 16	9 1	2 32	22 21	0 9	7 58	2 22	20 20	0 5	13 14	0 46	21 55	1 25	13 41	13 57	6 31	15 42	6 17
T 23	7 5	8 52	5 1	13 0	2 8	3 11	1 15	9 2	2 32	22 19	0 9	8 0	2 23	20 20	0 5	13 14	0 46	21 55	1 25	13 42	13 58	6 33	15 41	6 17
F 24	6 42	12 54	5 15	12 20	2 7	2 40	1 14	9 3	2 32	22 18	0 9	8 2	2 23	20 21	0 5	13 15	0 46	21 55	1 25	13 42	13 59	6 35	15 40	6 18
S 25	6 19	16 6	5 9	11 38	2 5	2 9	1 12	9 3	2 32	22 16	0 9	8 3	2 23	20 21	0 5	13 15	0 46	21 55	1 25	13 43	14 0	6 38	15 39	6 18
S 26	5 55	18 18	4 46	10 55	2 2	1 38	1 11	9 3	2 32	22 15	0 9	8 5	2 23	20 21	0 5	13 16	0 46	21 55	1 24	13 43	14 1	6 40	15 38	6 19
M27	5 32	19 24	4 6	10 10	1 59	1 7	1 9	9 3	2 32	22 13	0 10	8 7	2 23	20 21	0 5	13 17	0 46	21 55	1 24	13 42	14 2	6 42	15 37	6 19
T 28	5s 9	19n24	3s14	9s25	1s56	0s36	1s 8	9s 3	2n32	22s12	0s10	8n 9	2n23	20n22	0s 5	13n17	0n46	21s55	1n24	13n42	14n 3	6s44	15s36	6n19

Julian Day Number = 2186052.5, Delta T = 11m07s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'10, Lahiri = 13°43'11 Julian Calendar 1 Feb. 1273 == Greg. Calendar 8 Feb. 1273

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MARCH 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 4 24	18♓ 0'00	28♋42	12♓29	2♈21	29°R43	20♑ 8	14°R51	1♊ 4	26°R57	7♑32	23♌39	22♌30	29♎ 3	21♑14	W 1
T 2	11 8 20	18°59'34	11♌30	14°24	3°35	29♎41	20°19	14♍46	1° 5	26♌56	7°33	23°40	22°27	29°10	21°18	T 2
F 3	11 12 17	19°59'06	24° 5	16°20	4°50	29°38	20°29	14°41	1° 7	26°54	7°34	23°R41	22°23	29°16	21°21	F 3
S 4	11 16 13	20°58'35	6♍29	18°17	6° 4	29°34	20°39	14°37	1° 8	26°53	7°35	23°40	22°20	29°23	21°25	S 4
S 5	11 20 10	21°58'03	18°44	20°15	7°18	29°29	20°49	14°32	1°10	26°51	7°35	23°38	22°17	29°30	21°28	S 5
M 6	11 24 6	22°57'28	0♎51	22°14	8°33	29°24	20°59	14°27	1°12	26°50	7°36	23°34	22°14	29°36	21°31	M 6
T 7	11 28 3	23°56'51	12°51	24°14	9°47	29°17	21° 9	14°23	1°14	26°48	7°37	23°29	22°11	29°43	21°34	T 7
W 8	11 31 59	24°56'12	24°46	26°15	11° 1	29°10	21°18	14°18	1°15	26°47	7°38	23°24	22° 7	29°50	21°38	W 8
T 9	11 35 56	25°55'31	6♏39	28°17	12°15	29° 3	21°28	14°14	1°17	26°45	7°39	23°18	22° 4	29°57	21°41	T 9
F 10	11 39 53	26°54'48	18°31	0♈20	13°29	28°54	21°38	14° 9	1°19	26°44	7°39	23°12	22° 1	0♏ 3	21°44	F 10
S 11	11 43 49	27°54'04	0♐25	2°22	14°43	28°45	21°47	14° 4	1°21	26°43	7°40	23° 8	21°58	0°10	21°47	S 11
S 12	11 47 46	28°53'17	12°26	4°25	15°57	28°35	21°56	14° 0	1°23	26°41	7°41	23° 5	21°55	0°17	21°50	S 12
M13	11 51 42	29°52'29	24°37	6°28	17°12	28°24	22° 5	13°56	1°25	26°40	7°41	23°D 3	21°52	0°23	21°52	M13
T 14	11 55 39	0♈51'39	7♑ 4	8°31	18°26	28°12	22°14	13°51	1°27	26°39	7°42	23° 3	21°48	0°30	21°55	T 14
W15	11 59 35	1°50'47	19°50	10°33	19°40	28° 0	22°23	13°47	1°29	26°37	7°42	23° 4	21°45	0°37	21°58	W15
T 16	12 3 32	2°49'54	2♒59	12°35	20°53	27°47	22°32	13°42	1°31	26°36	7°43	23° 6	21°42	0°44	22° 1	T 16
F 17	12 7 28	3°48'59	16°35	14°35	22° 7	27°33	22°40	13°38	1°34	26°35	7°43	23°R 7	21°39	0°50	22° 3	F 17
S 18	12 11 25	4°48'01	0♓39	16°33	23°21	27°18	22°49	13°34	1°36	26°33	7°44	23° 7	21°36	0°57	22° 6	S 18
S 19	12 15 22	5°47'02	15°10	18°30	24°35	27° 3	22°57	13°30	1°38	26°32	7°44	23° 5	21°33	1° 4	22° 8	S 19
M20	12 19 18	6°46'01	0♈ 2	20°24	25°49	26°47	23° 5	13°25	1°41	26°31	7°45	23° 1	21°29	1°10	22°11	M20
T 21	12 23 15	7°44'58	15° 9	22°16	27° 3	26°31	23°14	13°21	1°43	26°30	7°45	22°56	21°26	1°17	22°13	T 21
W22	12 27 11	8°43'52	0♉20	24° 5	28°17	26°14	23°22	13°17	1°45	26°29	7°45	22°49	21°23	1°24	22°15	W22
T 23	12 31 8	9°42'45	15°26	25°50	29°30	25°56	23°29	13°13	1°48	26°28	7°46	22°42	21°20	1°30	22°17	T 23
F 24	12 35 4	10°41'35	0♊17	27°31	0♉44	25°38	23°37	13° 9	1°50	26°26	7°46	22°35	21°17	1°37	22°19	F 24
S 25	12 39 1	11°40'24	14°46	29° 9	1°58	25°19	23°45	13° 5	1°53	26°25	7°46	22°31	21°13	1°44	22°21	S 25
S 26	12 42 57	12°39'09	28°50	0♉42	3°11	24°59	23°52	13° 2	1°55	26°24	7°46	22°28	21°10	1°51	22°23	S 26
M27	12 46 54	13°37'53	12♋28	2°11	4°25	24°40	23°59	12°58	1°58	26°23	7°46	22°D27	21° 7	1°57	22°25	M27
T 28	12 50 51	14°36'34	25°42	3°35	5°39	24°19	24° 6	12°54	2° 1	26°22	7°47	22°27	21° 4	2° 4	22°27	T 28
W29	12 54 47	15°35'13	8♌34	4°54	6°52	23°59	24°13	12°51	2° 3	26°21	7°47	22°28	21° 1	2°11	22°29	W29
T 30	12 58 44	16°33'50	21° 9	6° 8	8° 6	23°38	24°20	12°47	2° 6	26°20	7°47	22°R29	20°58	2°18	22°31	T 30
F 31	13 2 40	17♈32'24	3♍30	7♉17	9♉19	23♎16	24♑27	12♍44	2♊ 9	26♌19	7♑47	22♌28	20♌54	2♏24	22♑32	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4s46	18n20	2s13	8s37	1s52	0s 5	1s 6	9s 3	2n32	22s11	0s10	8n11	2n23	20n22	0s 5	13n18	0n46	21s55	1n24	13n41	14n 4	6s46	15s36	6n20
T 2	4 22	16 20	1 7	7 49	1 47	0n27	1 5	9 2	2 32	22 9	0 10	8 13	2 23	20 22	0 5	13 18	0 46	21 55	1 24	13 41	14 5	6 48	15 35	6 20
F 3	3 59	13 35	0n 2	6 59	1 42	0 58	1 3	9 1	2 32	22 8	0 10	8 15	2 23	20 23	0 5	13 19	0 46	21 55	1 24	13 41	14 6	6 50	15 34	6 21
S 4	3 35	10 15	1 10	6 8	1 37	1 29	1 1	9 0	2 32	22 6	0 10	8 17	2 23	20 23	0 5	13 19	0 46	21 55	1 24	13 41	14 7	6 52	15 33	6 21
S 5	3 12	6 31	2 13	5 16	1 30	2 0	1 0	8 58	2 31	22 5	0 10	8 18	2 23	20 23	0 5	13 20	0 46	21 55	1 24	13 42	14 8	6 54	15 32	6 21
M 6	2 48	2 34	3 10	4 22	1 24	2 31	0 58	8 57	2 31	22 4	0 10	8 20	2 23	20 24	0 5	13 20	0 46	21 55	1 24	13 43	14 9	6 56	15 31	6 22
T 7	2 25	1s27	3 57	3 28	1 16	3 2	0 56	8 55	2 31	22 2	0 11	8 22	2 23	20 24	0 5	13 21	0 46	21 55	1 24	13 45	14 10	6 58	15 30	6 22
W 8	2 1	5 23	4 34	2 32	1 9	3 33	0 54	8 53	2 30	22 1	0 11	8 24	2 23	20 25	0 5	13 21	0 46	21 55	1 24	13 46	14 11	7 0	15 29	6 23
T 9	1 38	9 5	4 59	1 36	1 0	4 4	0 52	8 51	2 30	21 59	0 11	8 26	2 23	20 25	0 5	13 22	0 46	21 55	1 24	13 48	14 12	7 2	15 28	6 23
F 10	1 14	12 26	5 10	0 39	0 51	4 35	0 50	8 48	2 29	21 58	0 11	8 27	2 23	20 25	0 5	13 22	0 46	21 55	1 24	13 50	14 13	7 4	15 27	6 24
S 11	0 50	15 17	5 9	0n18	0 42	5 5	0 48	8 45	2 29	21 57	0 11	8 29	2 23	20 26	0 5	13 23	0 46	21 55	1 24	13 52	14 14	7 6	15 26	6 24
S 12	0 27	17 31	4 54	1 16	0 32	5 36	0 46	8 42	2 28	21 55	0 11	8 31	2 23	20 26	0 5	13 23	0 46	21 55	1 24	13 53	14 15	7 8	15 25	6 25
M13	0 3	19 0	4 26	2 15	0 22	6 6	0 44	8 39	2 27	21 54	0 11	8 33	2 23	20 27	0 5	13 24	0 46	21 55	1 24	13 53	14 17	7 10	15 25	6 25
T 14	0n21	19 37	3 44	3 13	0 11	6 37	0 41	8 36	2 27	21 53	0 12	8 34	2 23	20 27	0 5	13 24	0 46	21 55	1 24	13 53	14 18	7 12	15 24	6 25
W15	0 44	19 14	2 51	4 11	0 0	7 7	0 39	8 32	2 26	21 51	0 12	8 36	2 23	20 27	0 5	13 25	0 46	21 55	1 24	13 53	14 19	7 14	15 23	6 26
T 16	1 8	17 50	1 47	5 9	0n11	7 37	0 37	8 28	2 25	21 50	0 12	8 38	2 23	20 28	0 5	13 25	0 46	21 55	1 23	13 52	14 20	7 16	15 22	6 26
F 17	1 31	15 22	0 35	6 7	0 22	8 7	0 35	8 24	2 24	21 49	0 12	8 39	2 23	20 28	0 5	13 25	0 46	21 55	1 23	13 52	14 21	7 18	15 21	6 27
S 18	1 55	11 55	0s41	7 3	0 34	8 36	0 32	8 20	2 23	21 48	0 12	8 41	2 23	20 29	0 5	13 26	0 46	21 55	1 23	13 52	14 22	7 20	15 20	6 27
S 19	2 18	7 40	1 57	7 59	0 45	9 6	0 30	8 15	2 22	21 46	0 12	8 43	2 23	20 29	0 5	13 26	0 46	21 55	1 23	13 53	14 23	7 22	15 19	6 28
M20	2 42	2 50	3 6	8 53	0 57	9 35	0 28	8 11	2 21	21 45	0 12	8 44	2 23	20 30	0 5	13 27	0 46	21 55	1 23	13 54	14 24	7 24	15 19	6 28
T 21	3 5	2n14	4 4	9 46	1 8	10 4	0 25	8 6	2 20	21 44	0 13	8 46	2 23	20 30	0 5	13 27	0 46	21 55	1 23	13 56	14 25	7 26	15 18	6 29
W22	3 28	7 11	4 45	10 36	1 20	10 33	0 23	8 1	2 18	21 43	0 13	8 47	2 23	20 31	0 5	13 27	0 46	21 55	1 23	13 58	14 26	7 28	15 17	6 29
T 23	3 52	11 39	5 5	11 26	1 31	11 2	0 20	7 56	2 17	21 42	0 13	8 49	2 23	20 31	0 5	13 28	0 46	21 55	1 23	14 0	14 27	7 30	15 16	6 30
F 24	4 15	15 19	5 5	12 12	1 41	11 30	0 18	7 50	2 16	21 40	0 13	8 50	2 22	20 32	0 5	13 28	0 46	21 55	1 23	14 2	14 28	7 32	15 15	6 30
S 25	4 38	17 56	4 45	12 57	1 52	11 58	0 15	7 45	2 14	21 39	0 13	8 52	2 22	20 32	0 5	13 29	0 46	21 55	1 23	14 4	14 29	7 34	15 14	6 31
S 26	5 1	19 23	4 8	13 39	2 1	12 26	0 13	7 39	2 13	21 38	0 13	8 53	2 22	20 33	0 5	13 29	0 46	21 55	1 23	14 5	14 30	7 36	15 14	6 31
M27	5 24	19 39	3 18	14 19	2 10	12 53	0 10	7 34	2 11	21 37	0 14	8 54	2 22	20 33	0 5	13 29	0 46	21 55	1 23	14 5	14 31	7 38	15 13	6 32
T 28	5 47	18 48	2 19	14 56	2 19	13 20	0 7	7 28	2 9	21 36	0 14	8 56	2 22	20 34	0 5	13 30	0 46	21 55	1 23	14 5	14 32	7 40	15 12	6 32
W29	6 10	17 0	1 14	15 30	2 27	13 47	0 5	7 22	2 8	21 35	0 14	8 57	2 22	20 34	0 5	13 30	0 46	21 56	1 23	14 5	14 33	7 42	15 11	6 33
T 30	6 32	14 23	0 7	16 2	2 34	14 14	0 2	7 16	2 6	21 34	0 14	8 58	2 22	20 35	0 5	13 30	0 46	21 56	1 23	14 4	14 34	7 44	15 10	6 33
F 31	6n55	11n10	0n59	16n31	2n40	14n40	0n 1	7s 9	2n 4	21s33	0s14	8n59	2n22	20n36	0s 5	13n31	0n46	21s56	1n23	14n 5	14n35	7s46	15s10	6n34

Julian Day Number = 2186080.5, Delta T = 11m07s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'14, Lahiri = 13°43'14 Julian Calendar 1 March 1273 == Greg. Calendar 8 March 1273

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ASTRODIENST EPHEMERIS for the year 1273
geocentric

APRIL 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 6 37	18♈30'57	15♍41	8♉21	10♉32	22°R55	24♑33	12°R40	2♊11	26°R19	7♑47	22°R26	20♌51	2♏31	22♑34	S 1
S 2	13 10 33	19°29'27	27°44	9°19	11°46	22♎33	24°39	12♍37	2°14	26♌18	7°R47	22♌20	20°48	2°38	22°35	S 2
M 3	13 14 30	20°27'55	9♎42	10°12	12°59	22°11	24°46	12°34	2°17	26°17	7°47	22°13	20°45	2°44	22°37	M 3
T 4	13 18 26	21°26'21	21°36	10°59	14°12	21°48	24°52	12°31	2°20	26°16	7°47	22° 3	20°42	2°51	22°38	T 4
W 5	13 22 23	22°24'46	3♏29	11°40	15°26	21°26	24°58	12°27	2°23	26°15	7°47	21°52	20°38	2°58	22°39	W 5
T 6	13 26 19	23°23'08	15°21	12°16	16°39	21° 4	25° 3	12°24	2°26	26°14	7°47	21°40	20°35	3° 5	22°40	T 6
F 7	13 30 16	24°21'29	27°15	12°46	17°52	20°41	25° 9	12°22	2°28	26°14	7°46	21°29	20°32	3°11	22°41	F 7
S 8	13 34 13	25°19'48	9♐12	13°10	19° 5	20°19	25°14	12°19	2°31	26°13	7°46	21°19	20°29	3°18	22°42	S 8
S 9	13 38 9	26°18'05	21°15	13°28	20°18	19°56	25°19	12°16	2°34	26°12	7°46	21°11	20°26	3°25	22°43	S 9
M10	13 42 6	27°16'21	3♑27	13°41	21°31	19°34	25°25	12°13	2°37	26°12	7°46	21° 6	20°23	3°31	22°44	M10
T 11	13 46 2	28°14'35	15°52	13°48	22°44	19°12	25°29	12°11	2°40	26°11	7°46	21° 4	20°19	3°38	22°45	T 11
W12	13 49 59	29°12'48	28°34	13°R50	23°57	18°50	25°34	12° 8	2°44	26°11	7°45	21°D 3	20°16	3°45	22°46	W12
T 13	13 53 55	0♉10'59	11♒37	13°46	25°10	18°28	25°39	12° 6	2°47	26°10	7°45	21° 3	20°13	3°52	22°46	T 13
F 14	13 57 52	1° 9'09	25° 6	13°38	26°23	18° 7	25°43	12° 4	2°50	26° 9	7°45	21°R 3	20°10	3°58	22°47	F 14
S 15	14 1 48	2° 7'17	9♓ 2	13°24	27°36	17°46	25°47	12° 1	2°53	26° 9	7°44	21° 2	20° 7	4° 5	22°48	S 15
S 16	14 5 45	3° 5'24	23°27	13° 6	28°49	17°25	25°51	11°59	2°56	26° 8	7°44	20°59	20° 4	4°12	22°48	S 16
M17	14 9 42	4° 3'29	8♈17	12°44	0♊ 2	17° 4	25°55	11°57	2°59	26° 8	7°43	20°53	20° 0	4°18	22°48	M17
T 18	14 13 38	5° 1'33	23°26	12°18	1°15	16°45	25°59	11°55	3° 2	26° 8	7°43	20°45	19°57	4°25	22°49	T 18
W19	14 17 35	5°59'35	8♉45	11°49	2°27	16°25	26° 2	11°53	3° 6	26° 7	7°42	20°35	19°54	4°32	22°49	W19
T 20	14 21 31	6°57'36	24° 2	11°17	3°40	16° 6	26° 6	11°52	3° 9	26° 7	7°42	20°24	19°51	4°39	22°49	T 20
F 21	14 25 28	7°55'35	9♊ 6	10°44	4°53	15°48	26° 9	11°50	3°12	26° 7	7°41	20°14	19°48	4°45	22°R49	F 21
S 22	14 29 24	8°53'32	23°49	10° 8	6° 5	15°30	26°12	11°49	3°15	26° 6	7°41	20° 6	19°44	4°52	22°49	S 22
S 23	14 33 21	9°51'27	8♋ 4	9°32	7°18	15°13	26°15	11°47	3°19	26° 6	7°40	20° 1	19°41	4°59	22°49	S 23
M24	14 37 17	10°49'21	21°49	8°56	8°30	14°56	26°17	11°46	3°22	26° 6	7°40	19°58	19°38	5° 5	22°49	M24
T 25	14 41 14	11°47'13	5♌ 6	8°20	9°43	14°41	26°20	11°45	3°25	26° 6	7°39	19°57	19°35	5°12	22°48	T 25
W26	14 45 11	12°45'03	17°59	7°46	10°55	14°25	26°22	11°43	3°29	26° 6	7°38	19°57	19°32	5°19	22°48	W26
T 27	14 49 7	13°42'51	0♍30	7°13	12° 7	14°11	26°24	11°42	3°32	26° 6	7°38	19°56	19°29	5°26	22°48	T 27
F 28	14 53 4	14°40'37	12°45	6°42	13°20	13°57	26°26	11°41	3°36	26° 6	7°37	19°55	19°25	5°32	22°47	F 28
S 29	14 57 0	15°38'22	24°49	6°13	14°32	13°44	26°28	11°41	3°39	26° 5	7°36	19°51	19°22	5°39	22°47	S 29
S 30	15 0 57	16♉36'05	6♎46	5♉48	15♊44	13♎32	26♑29	11♍40	3♊42	26°D 5	7♑35	19♌45	19♌19	5♏46	22♑46	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n17	7n32	2n 1	16n56	2n45	15n 6	0n 3	7s 3	2n 2	21s32	0s14	9n 1	2n22	20n36	0s 5	13n31	0n46	21s56	1n23	14n 5	14n36	7s48	15s 9	6n34
S 2	7 39	3 37	2 57	17 19	2 49	15 31	0 6	6 57	2 0	21 31	0 14	9 2	2 22	20 37	0 5	13 31	0 46	21 56	1 23	14 7	14 37	7 50	15 8	6 35
M 3	8 1	0s25	3 45	17 39	2 52	15 56	0 9	6 51	1 58	21 30	0 15	9 3	2 22	20 37	0 5	13 31	0 46	21 56	1 23	14 10	14 38	7 52	15 8	6 35
T 4	8 23	4 24	4 22	17 56	2 54	16 21	0 11	6 44	1 56	21 29	0 15	9 4	2 21	20 38	0 5	13 32	0 46	21 56	1 22	14 13	14 39	7 54	15 7	6 36
W 5	8 45	8 13	4 48	18 10	2 55	16 45	0 14	6 38	1 54	21 28	0 15	9 5	2 21	20 38	0 5	13 32	0 46	21 56	1 22	14 16	14 40	7 56	15 6	6 36
T 6	9 7	11 42	5 1	18 21	2 55	17 9	0 17	6 32	1 51	21 27	0 15	9 6	2 21	20 39	0 5	13 32	0 46	21 56	1 22	14 20	14 41	7 58	15 5	6 37
F 7	9 29	14 44	5 2	18 29	2 54	17 32	0 19	6 25	1 49	21 26	0 15	9 7	2 21	20 40	0 5	13 32	0 46	21 56	1 22	14 24	14 42	8 0	15 5	6 37
S 8	9 50	17 10	4 49	18 34	2 51	17 55	0 22	6 19	1 47	21 25	0 15	9 8	2 21	20 40	0 5	13 33	0 46	21 56	1 22	14 27	14 43	8 2	15 4	6 38
S 9	10 11	18 52	4 23	18 36	2 48	18 17	0 25	6 13	1 44	21 25	0 16	9 9	2 21	20 41	0 5	13 33	0 46	21 56	1 22	14 29	14 44	8 4	15 3	6 38
M10	10 33	19 44	3 45	18 36	2 43	18 39	0 28	6 7	1 42	21 24	0 16	9 10	2 21	20 41	0 5	13 33	0 46	21 56	1 22	14 31	14 45	8 6	15 3	6 39
T 11	10 53	19 41	2 56	18 32	2 36	19 1	0 30	6 1	1 39	21 23	0 16	9 11	2 21	20 42	0 5	13 33	0 46	21 56	1 22	14 32	14 46	8 8	15 2	6 40
W12	11 14	18 37	1 57	18 25	2 29	19 22	0 33	5 55	1 37	21 22	0 16	9 12	2 20	20 43	0 5	13 33	0 46	21 56	1 22	14 32	14 47	8 10	15 1	6 40
T 13	11 35	16 34	0 50	18 16	2 20	19 43	0 36	5 49	1 34	21 22	0 16	9 13	2 20	20 43	0 5	13 34	0 46	21 56	1 22	14 32	14 48	8 12	15 1	6 41
F 14	11 55	13 33	0s21	18 3	2 10	20 3	0 38	5 43	1 32	21 21	0 16	9 13	2 20	20 44	0 5	13 34	0 46	21 57	1 22	14 32	14 49	8 14	15 0	6 41
S 15	12 15	9 40	1 34	17 49	1 59	20 22	0 41	5 37	1 29	21 21	0 17	9 14	2 20	20 44	0 5	13 34	0 46	21 57	1 22	14 32	14 50	8 16	15 0	6 42
S 16	12 35	5 6	2 43	17 31	1 47	20 41	0 44	5 32	1 26	21 20	0 17	9 15	2 20	20 45	0 5	13 34	0 46	21 57	1 22	14 33	14 51	8 18	14 59	6 42
M17	12 55	0 7	3 43	17 12	1 33	20 59	0 46	5 27	1 24	21 19	0 17	9 15	2 20	20 46	0 5	13 34	0 46	21 57	1 22	14 35	14 52	8 20	14 58	6 43
T 18	13 15	4n59	4 28	16 50	1 19	21 17	0 49	5 22	1 21	21 19	0 17	9 16	2 20	20 46	0 5	13 34	0 46	21 57	1 22	14 38	14 53	8 22	14 58	6 43
W19	13 34	9 49	4 55	16 27	1 4	21 34	0 52	5 17	1 18	21 18	0 17	9 16	2 19	20 47	0 5	13 34	0 46	21 57	1 22	14 41	14 54	8 24	14 57	6 44
T 20	13 53	14 0	5 1	16 2	0 48	21 51	0 54	5 12	1 15	21 18	0 18	9 17	2 19	20 48	0 4	13 35	0 46	21 57	1 22	14 45	14 55	8 26	14 57	6 44
F 21	14 12	17 12	4 45	15 35	0 31	22 7	0 57	5 7	1 13	21 17	0 18	9 17	2 19	20 48	0 4	13 35	0 46	21 57	1 21	14 48	14 56	8 28	14 56	6 45
S 22	14 31	19 12	4 11	15 8	0 14	22 23	0 59	5 3	1 10	21 17	0 18	9 18	2 19	20 49	0 4	13 35	0 46	21 57	1 21	14 50	14 57	8 30	14 56	6 45
S 23	14 50	19 55	3 22	14 40	0s 3	22 38	1 2	4 59	1 7	21 17	0 18	9 18	2 19	20 50	0 4	13 35	0 46	21 57	1 21	14 52	14 58	8 32	14 55	6 46
M24	15 8	19 24	2 23	14 12	0 21	22 52	1 4	4 55	1 4	21 16	0 18	9 19	2 19	20 50	0 4	13 35	0 46	21 57	1 21	14 53	14 59	8 34	14 55	6 46
T 25	15 26	17 48	1 18	13 44	0 38	23 5	1 7	4 52	1 2	21 16	0 18	9 19	2 18	20 51	0 4	13 35	0 46	21 58	1 21	14 53	15 0	8 36	14 54	6 47
W26	15 43	15 20	0 10	13 17	0 55	23 18	1 9	4 48	0 59	21 16	0 19	9 19	2 18	20 52	0 4	13 35	0 46	21 58	1 21	14 53	15 1	8 38	14 54	6 47
T 27	16 1	12 12	0n56	12 50	1 12	23 31	1 11	4 45	0 56	21 16	0 19	9 19	2 18	20 52	0 4	13 35	0 45	21 58	1 21	14 53	15 2	8 40	14 53	6 48
F 28	16 18	8 36	1 58	12 25	1 28	23 42	1 14	4 42	0 53	21 16	0 19	9 20	2 18	20 53	0 4	13 35	0 45	21 58	1 21	14 54	15 3	8 42	14 53	6 48
S 29	16 35	4 43	2 53	12 1	1 44	23 53	1 16	4 40	0 51	21 15	0 19	9 20	2 18	20 53	0 4	13 35	0 45	21 58	1 21	14 55	15 4	8 44	14 53	6 49
S 30	16n52	0n40	3n40	11n39	1s59	24n 4	1n18	4s38	0n48	21s15	0s19	9n20	2n17	20n54	0s 4	13n35	0n45	21s58	1n21	14n57	15n 5	8s46	14s52	6n49

Julian Day Number = 2186111.5, Delta T = 11m07s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'18, Lahiri = 13°43'19 Julian Calendar 1 Apr. 1273 == Greg. Calendar 8 Apr. 1273

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ASTRODIENST EPHEMERIS for the year 1273
geocentric

MAY 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 4 53	17♉33'46	18♎39	5°R27	16♊56	13°R21	26♑30	11°R39	3♊46	26♌ 5	7°R34	19°R35	19♌16	5♏52	22°R46	M 1
T 2	15 8 50	18°31'26	0♏31	5♉ 9	18° 8	13♎10	26°32	11♍39	3°49	26° 6	7♑34	19♌24	19°13	5°59	22♑45	T 2
W 3	15 12 46	19°29'05	12°23	4°55	19°21	13° 0	26°32	11°38	3°53	26° 6	7°33	19°10	19° 9	6° 6	22°44	W 3
T 4	15 16 43	20°26'42	24°18	4°45	20°33	12°51	26°33	11°38	3°56	26° 6	7°32	18°56	19° 6	6°13	22°43	T 4
F 5	15 20 40	21°24'18	6♐16	4°40	21°44	12°43	26°34	11°38	4° 0	26° 6	7°31	18°43	19° 3	6°19	22°42	F 5
S 6	15 24 36	22°21'53	18°20	4°D39	22°56	12°35	26°34	11°38	4° 3	26° 6	7°30	18°31	19° 0	6°26	22°41	S 6
S 7	15 28 33	23°19'27	0♑30	4°43	24° 8	12°29	26°R34	11°D38	4° 7	26° 6	7°29	18°21	18°57	6°33	22°40	S 7
M 8	15 32 29	24°16'59	12°49	4°51	25°20	12°23	26°34	11°38	4°10	26° 7	7°28	18°15	18°54	6°40	22°39	M 8
T 9	15 36 26	25°14'31	25°19	5° 4	26°32	12°18	26°34	11°38	4°14	26° 7	7°27	18°11	18°50	6°46	22°38	T 9
W10	15 40 22	26°12'02	8♒ 3	5°21	27°43	12°14	26°34	11°38	4°17	26° 7	7°26	18°10	18°47	6°53	22°36	W10
T 11	15 44 19	27° 9'32	21° 5	5°43	28°55	12°10	26°33	11°38	4°21	26° 8	7°25	18° 9	18°44	7° 0	22°35	T 11
F 12	15 48 15	28° 7'01	4♓29	6° 9	0♋ 7	12° 8	26°32	11°39	4°24	26° 8	7°24	18° 9	18°41	7° 6	22°33	F 12
S 13	15 52 12	29° 4'30	18°17	6°39	1°18	12° 6	26°31	11°40	4°28	26° 8	7°23	18° 8	18°38	7°13	22°32	S 13
S 14	15 56 9	0♊ 1'57	2♈30	7°14	2°30	12° 5	26°30	11°40	4°31	26° 9	7°22	18° 5	18°35	7°20	22°30	S 14
M15	16 0 5	0°59'24	17° 7	7°52	3°41	12°D 5	26°29	11°41	4°35	26° 9	7°21	18° 0	18°31	7°27	22°29	M15
T 16	16 4 2	1°56'50	2♉ 4	8°34	4°53	12° 5	26°27	11°42	4°38	26°10	7°20	17°52	18°28	7°33	22°27	T 16
W17	16 7 58	2°54'16	17°14	9°20	6° 4	12° 6	26°26	11°43	4°42	26°10	7°19	17°42	18°25	7°40	22°25	W17
T 18	16 11 55	3°51'40	2♊25	10°10	7°15	12° 9	26°24	11°44	4°45	26°11	7°17	17°31	18°22	7°47	22°23	T 18
F 19	16 15 51	4°49'04	17°28	11° 4	8°26	12°12	26°22	11°45	4°49	26°12	7°16	17°22	18°19	7°53	22°22	F 19
S 20	16 19 48	5°46'27	2♋13	12° 1	9°37	12°15	26°19	11°47	4°52	26°12	7°15	17°14	18°15	8° 0	22°20	S 20
S 21	16 23 44	6°43'49	16°33	13° 2	10°49	12°20	26°17	11°48	4°56	26°13	7°14	17° 8	18°12	8° 7	22°18	S 21
M22	16 27 41	7°41'10	0♌24	14° 6	12° 0	12°25	26°14	11°49	5° 0	26°14	7°13	17° 5	18° 9	8°14	22°16	M22
T 23	16 31 38	8°38'30	13°47	15°13	13°11	12°31	26°11	11°51	5° 3	26°14	7°11	17°D 4	18° 6	8°20	22°13	T 23
W24	16 35 34	9°35'49	26°43	16°24	14°21	12°38	26° 8	11°53	5° 7	26°15	7°10	17° 4	18° 3	8°27	22°11	W24
T 25	16 39 31	10°33'07	9♍17	17°37	15°32	12°45	26° 5	11°55	5°10	26°16	7° 9	17°R 4	18° 0	8°34	22° 9	T 25
F 26	16 43 27	11°30'23	21°33	18°54	16°43	12°53	26° 2	11°56	5°14	26°17	7° 8	17° 4	17°56	8°41	22° 7	F 26
S 27	16 47 24	12°27'39	3♎36	20°15	17°54	13° 2	25°58	11°58	5°17	26°18	7° 6	17° 2	17°53	8°47	22° 4	S 27
S 28	16 51 20	13°24'54	15°32	21°38	19° 4	13°11	25°55	12° 1	5°21	26°18	7° 5	16°57	17°50	8°54	22° 2	S 28
M29	16 55 17	14°22'09	27°23	23° 4	20°15	13°22	25°51	12° 3	5°24	26°19	7° 4	16°50	17°47	9° 1	21°59	M29
T 30	16 59 13	15°19'22	9♏15	24°34	21°25	13°32	25°47	12° 5	5°28	26°20	7° 2	16°41	17°44	9° 7	21°57	T 30
W31	17 3 10	16♊16'35	21♏10	26♉ 6	22♋36	13♎44	25♑42	12♍ 7	5♊31	26♌21	7♑ 1	16♌31	17♌41	9♏14	21♑54	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17n 8	3s22	4n18	11n18	2s13	24n13	1n21	4s36	0n45	21s15	0s20	9n20	2n17	20n55	0s 4	13n35	0n45	21s58	1n21	15n 0	15n 6	8s48	14s52	6n50
T 2	17 24	7 16	4 44	11 0	2 26	24 22	1 23	4 34	0 42	21 15	0 20	9 20	2 17	20 55	0 4	13 35	0 45	21 58	1 21	15 4	15 7	8 50	14 51	6 50
W 3	17 40	10 53	4 57	10 44	2 38	24 31	1 25	4 33	0 40	21 15	0 20	9 20	2 17	20 56	0 4	13 35	0 45	21 58	1 21	15 8	15 8	8 52	14 51	6 51
T 4	17 56	14 6	4 58	10 30	2 49	24 38	1 27	4 32	0 37	21 15	0 20	9 20	2 17	20 57	0 4	13 35	0 45	21 58	1 21	15 12	15 9	8 54	14 51	6 51
F 5	18 11	16 45	4 46	10 19	2 59	24 45	1 29	4 31	0 34	21 15	0 20	9 20	2 17	20 57	0 4	13 35	0 45	21 59	1 21	15 16	15 10	8 56	14 50	6 52
S 6	18 26	18 41	4 21	10 10	3 8	24 51	1 31	4 30	0 32	21 15	0 21	9 20	2 16	20 58	0 4	13 35	0 45	21 59	1 20	15 20	15 11	8 58	14 50	6 52
S 7	18 41	19 49	3 43	10 4	3 16	24 57	1 33	4 30	0 29	21 16	0 21	9 20	2 16	20 59	0 4	13 35	0 45	21 59	1 20	15 23	15 12	9 0	14 50	6 53
M 8	18 55	20 0	2 55	10 0	3 23	25 2	1 35	4 30	0 26	21 16	0 21	9 19	2 16	20 59	0 4	13 34	0 45	21 59	1 20	15 25	15 13	9 2	14 49	6 53
T 9	19 9	19 14	1 58	9 59	3 29	25 6	1 37	4 31	0 24	21 16	0 21	9 19	2 16	21 0	0 4	13 34	0 45	21 59	1 20	15 26	15 14	9 4	14 49	6 54
W10	19 23	17 28	0 53	10 0	3 33	25 9	1 38	4 31	0 21	21 16	0 21	9 19	2 16	21 1	0 4	13 34	0 45	21 59	1 20	15 27	15 15	9 6	14 49	6 54
T 11	19 36	14 46	0s16	10 4	3 37	25 12	1 40	4 32	0 19	21 17	0 21	9 19	2 15	21 1	0 4	13 34	0 45	21 59	1 20	15 27	15 16	9 8	14 49	6 55
F 12	19 49	11 14	1 25	10 10	3 40	25 14	1 42	4 34	0 16	21 17	0 22	9 18	2 15	21 2	0 4	13 34	0 45	21 59	1 20	15 27	15 17	9 10	14 48	6 55
S 13	20 2	6 59	2 32	10 18	3 41	25 15	1 43	4 35	0 14	21 17	0 22	9 18	2 15	21 3	0 4	13 34	0 45	22 0	1 20	15 27	15 18	9 12	14 48	6 56
S 14	20 14	2 14	3 32	10 28	3 42	25 15	1 45	4 37	0 11	21 18	0 22	9 17	2 15	21 3	0 4	13 34	0 45	22 0	1 20	15 28	15 19	9 14	14 48	6 56
M15	20 26	2n46	4 19	10 41	3 42	25 15	1 46	4 39	0 9	21 18	0 22	9 17	2 15	21 4	0 4	13 33	0 45	22 0	1 20	15 30	15 20	9 16	14 48	6 57
T 16	20 38	7 42	4 50	10 55	3 41	25 14	1 48	4 41	0 7	21 19	0 22	9 16	2 15	21 5	0 4	13 33	0 45	22 0	1 20	15 32	15 21	9 18	14 48	6 57
W17	20 49	12 13	5 1	11 11	3 40	25 12	1 49	4 44	0 4	21 19	0 23	9 16	2 14	21 5	0 4	13 33	0 45	22 0	1 20	15 35	15 22	9 20	14 48	6 57
T 18	21 0	15 58	4 51	11 29	3 37	25 10	1 50	4 47	0 2	21 20	0 23	9 15	2 14	21 6	0 4	13 33	0 45	22 0	1 20	15 38	15 23	9 22	14 47	6 58
F 19	21 11	18 36	4 21	11 49	3 34	25 7	1 51	4 50	0s 0	21 20	0 23	9 15	2 14	21 7	0 4	13 33	0 45	22 0	1 20	15 41	15 24	9 24	14 47	6 58
S 20	21 21	19 57	3 34	12 11	3 29	25 3	1 52	4 54	0 2	21 21	0 23	9 14	2 14	21 7	0 4	13 32	0 45	22 1	1 19	15 44	15 25	9 26	14 47	6 59
S 21	21 31	19 57	2 34	12 33	3 25	24 58	1 53	4 58	0 5	21 22	0 23	9 13	2 14	21 8	0 4	13 32	0 45	22 1	1 19	15 46	15 26	9 28	14 47	6 59
M22	21 41	18 43	1 27	12 58	3 19	24 53	1 54	5 2	0 7	21 22	0 24	9 12	2 13	21 9	0 4	13 32	0 45	22 1	1 19	15 47	15 27	9 30	14 47	6 59
T 23	21 50	16 29	0 17	13 23	3 13	24 47	1 55	5 6	0 9	21 23	0 24	9 12	2 13	21 9	0 4	13 32	0 45	22 1	1 19	15 47	15 28	9 32	14 47	7 0
W24	21 59	13 28	0n51	13 50	3 6	24 41	1 56	5 10	0 11	21 24	0 24	9 11	2 13	21 10	0 4	13 31	0 45	22 1	1 19	15 47	15 29	9 34	14 47	7 0
T 25	22 7	9 54	1 55	14 17	2 59	24 33	1 57	5 15	0 13	21 25	0 24	9 10	2 13	21 11	0 4	13 31	0 45	22 1	1 19	15 47	15 30	9 36	14 47	7 1
F 26	22 15	6 0	2 53	14 46	2 51	24 25	1 57	5 20	0 15	21 25	0 24	9 9	2 13	21 11	0 4	13 31	0 45	22 1	1 19	15 47	15 31	9 38	14 47	7 1
S 27	22 23	1 57	3 41	15 16	2 43	24 17	1 58	5 25	0 17	21 26	0 25	9 8	2 12	21 12	0 4	13 30	0 45	22 2	1 19	15 48	15 32	9 40	14 47	7 1
S 28	22 30	2s 9	4 20	15 46	2 34	24 7	1 58	5 31	0 19	21 27	0 25	9 7	2 12	21 12	0 4	13 30	0 45	22 2	1 19	15 49	15 33	9 42	14 47	7 2
M29	22 37	6 8	4 46	16 17	2 25	23 57	1 59	5 37	0 21	21 28	0 25	9 6	2 12	21 13	0 4	13 30	0 45	22 2	1 19	15 51	15 34	9 44	14 47	7 2
T 30	22 43	9 52	5 1	16 48	2 15	23 47	1 59	5 43	0 23	21 29	0 25	9 5	2 12	21 14	0 4	13 29	0 45	22 2	1 19	15 54	15 35	9 46	14 47	7 3
W31	22n49	13s15	5n 3	17n20	2s 5	23n35	1n59	5s49	0s25	21s30	0s25	9n 4	2n12	21n14	0s 4	13n29	0n45	22s 2	1n19	15n57	15n36	9s48	14s47	7n 3

Julian Day Number = 2186141.5, Delta T = 11m07s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'22, Lahiri = 13°43'23 Julian Calendar 1 May 1273 == Greg. Calendar 8 May 1273

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ASTRODIENST EPHEMERIS for the year 1273
geocentric

JUNE 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 7 7	17♊13'48	3♐ 9	27♉42	23♋46	13♎56	25°R38	12♍10	5♊35	26♏22	7°R 0	16°R20	17♏37	9♏21	21°R52	T 1
F 2	17 11 3	18°11'00	15°15	29°21	24°56	14° 9	25♑33	12°12	5°38	26°23	6♑58	16♏ 9	17°34	9°28	21♑49	F 2
S 3	17 15 0	19° 8'11	27°29	1♊ 2	26° 6	14°22	25°29	12°15	5°42	26°24	6°57	16° 0	17°31	9°34	21°46	S 3
S 4	17 18 56	20° 5'22	9♑51	2°46	27°16	14°36	25°24	12°18	5°45	26°25	6°55	15°53	17°28	9°41	21°44	S 4
M 5	17 22 53	21° 2'33	22°24	4°34	28°26	14°50	25°19	12°21	5°49	26°27	6°54	15°48	17°25	9°48	21°41	M 5
T 6	17 26 49	21°59'44	5♒ 7	6°24	29°36	15° 5	25°14	12°24	5°52	26°28	6°53	15°45	17°21	9°54	21°38	T 6
W 7	17 30 46	22°56'54	18° 2	8°16	0♏46	15°21	25° 8	12°27	5°55	26°29	6°51	15°D45	17°18	10° 1	21°35	W 7
T 8	17 34 42	23°54'05	1♓13	10°12	1°56	15°37	25° 3	12°30	5°59	26°30	6°50	15°46	17°15	10° 8	21°32	T 8
F 9	17 38 39	24°51'15	14°40	12° 9	3° 5	15°54	24°57	12°33	6° 2	26°31	6°48	15°47	17°12	10°15	21°29	F 9
S 10	17 42 36	25°48'26	28°25	14°10	4°15	16°11	24°52	12°36	6° 6	26°33	6°47	15°R47	17° 9	10°21	21°26	S 10
S 11	17 46 32	26°45'37	12♈30	16°12	5°25	16°29	24°46	12°40	6° 9	26°34	6°45	15°46	17° 6	10°28	21°23	S 11
M12	17 50 29	27°42'48	26°53	18°16	6°34	16°47	24°40	12°43	6°12	26°35	6°44	15°43	17° 2	10°35	21°20	M12
T 13	17 54 25	28°39'59	11♉31	20°22	7°43	17° 6	24°34	12°47	6°16	26°37	6°42	15°38	16°59	10°42	21°17	T 13
W14	17 58 22	29°37'10	26°20	22°29	8°52	17°25	24°27	12°50	6°19	26°38	6°41	15°32	16°56	10°48	21°14	W14
T 15	18 2 18	0♋34'22	11♊11	24°37	10° 2	17°45	24°21	12°54	6°22	26°39	6°40	15°25	16°53	10°55	21°11	T 15
F 16	18 6 15	1°31'34	25°57	26°47	11°11	18° 6	24°14	12°58	6°26	26°41	6°38	15°19	16°50	11° 2	21° 7	F 16
S 17	18 10 11	2°28'46	10♋30	28°56	12°19	18°26	24° 8	13° 2	6°29	26°42	6°37	15°14	16°47	11° 8	21° 4	S 17
S 18	18 14 8	3°25'57	24°43	1♌ 7	13°28	18°48	24° 1	13° 6	6°32	26°44	6°35	15°10	16°43	11°15	21° 1	S 18
M19	18 18 5	4°23'09	8♏32	3°17	14°37	19° 9	23°54	13°10	6°35	26°45	6°34	15° 8	16°40	11°22	20°58	M19
T 20	18 22 1	5°20'21	21°55	5°26	15°46	19°32	23°47	13°14	6°39	26°47	6°32	15°D 8	16°37	11°29	20°54	T 20
W21	18 25 58	6°17'33	4♍54	7°36	16°54	19°54	23°40	13°18	6°42	26°48	6°31	15°10	16°34	11°35	20°51	W21
T 22	18 29 54	7°14'44	17°31	9°44	18° 2	20°17	23°33	13°22	6°45	26°50	6°29	15°11	16°31	11°42	20°48	T 22
F 23	18 33 51	8°11'56	29°50	11°52	19°11	20°41	23°26	13°27	6°48	26°51	6°28	15°12	16°27	11°49	20°44	F 23
S 24	18 37 47	9° 9'07	11♎55	13°58	20°19	21° 5	23°19	13°31	6°51	26°53	6°26	15°R13	16°24	11°55	20°41	S 24
S 25	18 41 44	10° 6'19	23°52	16° 4	21°27	21°29	23°11	13°36	6°54	26°55	6°25	15°11	16°21	12° 2	20°38	S 25
M26	18 45 40	11° 3'30	5♏45	18° 7	22°35	21°54	23° 4	13°40	6°58	26°56	6°23	15° 9	16°18	12° 9	20°34	M26
T 27	18 49 37	12° 0'42	17°38	20°10	23°43	22°19	22°57	13°45	7° 1	26°58	6°22	15° 5	16°15	12°16	20°31	T 27
W28	18 53 34	12°57'54	29°36	22°10	24°50	22°44	22°49	13°50	7° 4	27° 0	6°20	15° 0	16°12	12°22	20°27	W28
T 29	18 57 30	13°55'07	11♐41	24°10	25°58	23°10	22°42	13°54	7° 7	27° 1	6°19	14°55	16° 8	12°29	20°24	T 29
F 30	19 1 27	14♋52'19	23♐55	26♋ 7	27♏ 5	23♎36	22♑34	13♍59	7♊10	27♏ 3	6♑17	14♏50	16♏ 5	12♏36	20♑20	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22n55	16s 7	4n51	17n52	1s54	23n23	1n59	5s55	0s26	21s31	0s26	9n 3	2n12	21n15	0s 4	13n29	0n45	22s 2	1n18	16n 0	15n37	9s50	14s47	7n 3	T 1
F 2	23 0	18 18	4 26	18 24	1 43	23 11	1 59	6 2	0 28	21 32	0 26	9 2	2 11	21 16	0 4	13 28	0 45	22 3	1 18	16 3	15 38	9 52	14 47	7 4	F 2
S 3	23 5	19 42	3 49	18 56	1 32	22 57	1 59	6 9	0 30	21 33	0 26	9 1	2 11	21 16	0 4	13 28	0 45	22 3	1 18	16 6	15 39	9 54	14 47	7 4	S 3
S 4	23 10	20 10	3 0	19 28	1 21	22 44	1 59	6 16	0 32	21 34	0 26	8 59	2 11	21 17	0 4	13 28	0 45	22 3	1 18	16 8	15 40	9 56	14 47	7 4	S 4
M 5	23 14	19 40	2 2	20 0	1 9	22 29	1 59	6 23	0 33	21 35	0 26	8 58	2 11	21 17	0 4	13 27	0 45	22 3	1 18	16 10	15 41	9 58	14 47	7 4	M 5
T 6	23 17	18 9	0 57	20 31	0 58	22 14	1 58	6 30	0 35	21 37	0 27	8 57	2 11	21 18	0 4	13 27	0 45	22 3	1 18	16 10	15 42	10 0	14 48	7 5	T 6
W 7	23 21	15 41	0s12	21 1	0 46	21 59	1 58	6 38	0 37	21 38	0 27	8 55	2 10	21 19	0 4	13 26	0 45	22 3	1 18	16 11	15 42	10 2	14 48	7 5	W 7
T 8	23 23	12 22	1 22	21 30	0 35	21 43	1 57	6 46	0 38	21 39	0 27	8 54	2 10	21 19	0 4	13 26	0 45	22 3	1 18	16 10	15 43	10 4	14 48	7 5	T 8
F 9	23 26	8 21	2 29	21 58	0 23	21 26	1 57	6 54	0 40	21 40	0 27	8 53	2 10	21 20	0 4	13 26	0 45	22 4	1 18	16 10	15 44	10 6	14 48	7 6	F 9
S 10	23 28	3 49	3 29	22 24	0 11	21 9	1 56	7 2	0 42	21 41	0 27	8 51	2 10	21 21	0 4	13 25	0 45	22 4	1 18	16 10	15 45	10 8	14 48	7 6	S 10
S 11	23 29	1n 0	4 18	22 49	0 0	20 51	1 55	7 10	0 43	21 43	0 28	8 50	2 10	21 21	0 4	13 25	0 45	22 4	1 18	16 10	15 46	10 10	14 48	7 6	S 11
M12	23 31	5 52	4 52	23 12	0n11	20 33	1 54	7 19	0 45	21 44	0 28	8 48	2 10	21 22	0 4	13 24	0 45	22 4	1 18	16 11	15 47	10 12	14 49	7 6	M12
T 13	23 31	10 29	5 7	23 32	0 22	20 14	1 53	7 27	0 46	21 45	0 28	8 47	2 9	21 22	0 4	13 24	0 45	22 4	1 17	16 13	15 48	10 14	14 49	7 7	T 13
W14	23 32	14 30	5 2	23 51	0 32	19 54	1 52	7 36	0 48	21 46	0 28	8 45	2 9	21 23	0 4	13 23	0 45	22 4	1 17	16 14	15 49	10 16	14 49	7 7	W14
T 15	23 32	17 37	4 38	24 7	0 42	19 35	1 51	7 45	0 49	21 48	0 28	8 44	2 9	21 23	0 4	13 23	0 45	22 5	1 17	16 16	15 50	10 18	14 49	7 7	T 15
F 16	23 31	19 34	3 54	24 21	0 51	19 14	1 49	7 54	0 50	21 49	0 29	8 42	2 9	21 24	0 4	13 22	0 45	22 5	1 17	16 18	15 51	10 19	14 50	7 7	F 16
S 17	23 30	20 11	2 56	24 32	1 0	18 54	1 48	8 3	0 52	21 50	0 29	8 40	2 9	21 25	0 4	13 22	0 45	22 5	1 17	16 20	15 52	10 21	14 50	7 7	S 17
S 18	23 29	19 29	1 48	24 40	1 8	18 32	1 46	8 13	0 53	21 52	0 29	8 39	2 9	21 25	0 4	13 21	0 45	22 5	1 17	16 21	15 53	10 23	14 50	7 8	S 18
M19	23 28	17 37	0 36	24 45	1 16	18 11	1 45	8 22	0 54	21 53	0 29	8 37	2 8	21 26	0 4	13 21	0 45	22 5	1 17	16 21	15 54	10 25	14 50	7 8	M19
T 20	23 25	14 50	0n37	24 47	1 22	17 48	1 43	8 32	0 56	21 54	0 29	8 35	2 8	21 26	0 4	13 20	0 45	22 6	1 17	16 21	15 55	10 27	14 51	7 8	T 20
W21	23 23	11 23	1 45	24 47	1 28	17 26	1 41	8 42	0 57	21 56	0 29	8 34	2 8	21 27	0 4	13 20	0 45	22 6	1 17	16 21	15 56	10 29	14 51	7 8	W21
T 22	23 20	7 31	2 47	24 44	1 34	17 3	1 39	8 51	0 58	21 57	0 30	8 32	2 8	21 27	0 4	13 19	0 45	22 6	1 17	16 21	15 57	10 31	14 51	7 8	T 22
F 23	23 17	3 25	3 39	24 38	1 38	16 40	1 37	9 1	1 0	21 59	0 30	8 30	2 8	21 28	0 4	13 19	0 45	22 6	1 16	16 20	15 58	10 33	14 52	7 8	F 23
S 24	23 13	0s44	4 21	24 29	1 42	16 16	1 35	9 12	1 1	22 0	0 30	8 28	2 8	21 28	0 4	13 18	0 45	22 6	1 16	16 20	15 59	10 35	14 52	7 9	S 24
S 25	23 9	4 48	4 50	24 18	1 45	15 52	1 32	9 22	1 2	22 1	0 30	8 26	2 8	21 29	0 4	13 17	0 45	22 6	1 16	16 21	16 0	10 37	14 53	7 9	S 25
M26	23 4	8 39	5 7	24 4	1 48	15 27	1 30	9 32	1 3	22 3	0 30	8 24	2 7	21 29	0 4	13 17	0 45	22 7	1 16	16 21	16 1	10 39	14 53	7 9	M26
T 27	22 59	12 11	5 11	23 49	1 49	15 3	1 28	9 43	1 4	22 4	0 30	8 22	2 7	21 30	0 4	13 16	0 45	22 7	1 16	16 22	16 2	10 41	14 53	7 9	T 27
W28	22 54	15 14	5 2	23 31	1 50	14 38	1 25	9 53	1 5	22 6	0 31	8 20	2 7	21 31	0 4	13 16	0 45	22 7	1 16	16 24	16 3	10 43	14 54	7 9	W28
T 29	22 48	17 40	4 38	23 10	1 50	14 12	1 22	10 4	1 7	22 7	0 31	8 18	2 7	21 31	0 4	13 15	0 45	22 7	1 16	16 25	16 4	10 45	14 54	7 9	T 29
F 30	22n42	19s21	4n 2	22n48	1n50	13n46	1n19	10s15	1s 8	22s 9	0s31	8n16	2n 7	21n32	0s 4	13n14	0n45	22s 7	1n16	16n27	16n 5	10s47	14s55	7n 9	F 30

Julian Day Number = 2186172.5, Delta T = 11m06s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'27, Lahiri = 13°43'27 Julian Calendar 1 June 1273 == Greg. Calendar 8 June 1273

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ASTRODIENST EPHEMERIS for the year 1273
geocentric

JULY 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 5 23	15♋49'32	6♉20	28♋ 3	28♌12	24♎ 3	22°R26	14♍ 4	7♊13	27♌ 5	6°R16	14°R45	16♌ 2	12♏43	20°R17	S 1
S 2	19 9 20	16°46'46	18°58	29°56	29°19	24°30	22♉19	14° 9	7°16	27° 7	6♉14	14♌42	15°59	12°49	20♉13	S 2
M 3	19 13 16	17°44'00	1♒48	1♌49	0♍26	24°57	22°11	14°14	7°18	27° 8	6°13	14°40	15°56	12°56	20°10	M 3
T 4	19 17 13	18°41'15	14°52	3°39	1°33	25°25	22° 3	14°20	7°21	27°10	6°12	14°D40	15°53	13° 3	20° 6	T 4
W 5	19 21 10	19°38'30	28° 8	5°28	2°40	25°52	21°56	14°25	7°24	27°12	6°10	14°40	15°49	13° 9	20° 3	W 5
T 6	19 25 6	20°35'46	11♓36	7°14	3°46	26°21	21°48	14°30	7°27	27°14	6° 9	14°41	15°46	13°16	19°59	T 6
F 7	19 29 3	21°33'03	25°17	9° 0	4°52	26°49	21°40	14°35	7°30	27°16	6° 7	14°43	15°43	13°23	19°56	F 7
S 8	19 32 59	22°30'21	9♈10	10°43	5°59	27°18	21°32	14°41	7°32	27°18	6° 6	14°44	15°40	13°30	19°52	S 8
S 9	19 36 56	23°27'41	23°15	12°25	7° 5	27°47	21°24	14°46	7°35	27°20	6° 5	14°R44	15°37	13°36	19°49	S 9
M10	19 40 52	24°25'01	7♉29	14° 4	8°10	28°17	21°17	14°52	7°38	27°22	6° 3	14°44	15°33	13°43	19°45	M10
T 11	19 44 49	25°22'22	21°50	15°43	9°16	28°47	21° 9	14°58	7°41	27°23	6° 2	14°43	15°30	13°50	19°42	T 11
W12	19 48 45	26°19'45	6♊16	17°19	10°22	29°17	21° 1	15° 3	7°43	27°25	6° 0	14°41	15°27	13°57	19°38	W12
T 13	19 52 42	27°17'08	20°41	18°54	11°27	29°47	20°54	15° 9	7°46	27°27	5°59	14°38	15°24	14° 3	19°35	T 13
F 14	19 56 39	28°14'33	5♋ 1	20°27	12°32	0♏18	20°46	15°15	7°48	27°29	5°58	14°36	15°21	14°10	19°32	F 14
S 15	20 0 35	29°11'59	19°10	21°58	13°37	0°49	20°38	15°21	7°51	27°31	5°56	14°35	15°18	14°17	19°28	S 15
S 16	20 4 32	0♌ 9'26	3♌ 4	23°27	14°42	1°20	20°31	15°26	7°53	27°33	5°55	14°34	15°14	14°23	19°25	S 16
M17	20 8 28	1° 6'54	16°40	24°55	15°46	1°51	20°23	15°32	7°56	27°35	5°54	14°D33	15°11	14°30	19°21	M17
T 18	20 12 25	2° 4'22	29°56	26°21	16°50	2°23	20°16	15°38	7°58	27°37	5°52	14°34	15° 8	14°37	19°18	T 18
W19	20 16 21	3° 1'52	12♍51	27°45	17°55	2°55	20° 8	15°44	8° 1	27°39	5°51	14°35	15° 5	14°44	19°15	W19
T 20	20 20 18	3°59'22	25°28	29° 7	18°58	3°28	20° 1	15°51	8° 3	27°42	5°50	14°36	15° 2	14°50	19°11	T 20
F 21	20 24 14	4°56'53	7♎47	0♍28	20° 2	4° 0	19°54	15°57	8° 5	27°44	5°49	14°37	14°59	14°57	19° 8	F 21
S 22	20 28 11	5°54'26	19°54	1°46	21° 6	4°33	19°46	16° 3	8° 7	27°46	5°47	14°37	14°55	15° 4	19° 5	S 22
S 23	20 32 7	6°51'59	1♏53	3° 2	22° 9	5° 6	19°39	16° 9	8°10	27°48	5°46	14°R38	14°52	15°10	19° 1	S 23
M24	20 36 4	7°49'33	13°47	4°17	23°12	5°39	19°32	16°16	8°12	27°50	5°45	14°38	14°49	15°17	18°58	M24
T 25	20 40 1	8°47'08	25°41	5°29	24°14	6°13	19°25	16°22	8°14	27°52	5°44	14°37	14°46	15°24	18°55	T 25
W26	20 43 57	9°44'43	7♐40	6°40	25°17	6°47	19°18	16°28	8°16	27°54	5°43	14°37	14°43	15°31	18°52	W26
T 27	20 47 54	10°42'21	19°47	7°47	26°19	7°21	19°12	16°35	8°18	27°56	5°41	14°36	14°39	15°37	18°49	T 27
F 28	20 51 50	11°39'59	2♑ 7	8°53	27°21	7°55	19° 5	16°41	8°20	27°58	5°40	14°36	14°36	15°44	18°46	F 28
S 29	20 55 47	12°37'38	14°42	9°56	28°22	8°29	18°58	16°48	8°22	28° 1	5°39	14°36	14°33	15°51	18°43	S 29
S 30	20 59 43	13°35'18	27°34	10°57	29°24	9° 4	18°52	16°54	8°24	28° 3	5°38	14°36	14°30	15°58	18°40	S 30
M31	21 3 40	14♌33'00	10♒43	11♍55	0♎24	9♏39	18♑46	17♍ 1	8♊26	28♌ 5	5♑37	14♌36	14♌27	16♏ 4	18♑37	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22n35	20s 9	3n14	22n25	1n49	13n20	1n17	10s26	1s 9	22s10	0s31	8n14	2n 7	21n32	0s 4	13n14	0n45	22s 7	1n16	16n28	16n 5	10s49	14s55	7n 9	S 1
S 2	22 28	19 56	2 16	21 59	1 47	12 54	1 13	10 37	1 10	22 11	0 31	8 12	2 7	21 33	0 4	13 13	0 45	22 8	1 16	16 29	16 6	10 51	14 55	7 9	S 2
M 3	22 21	18 42	1 10	21 32	1 45	12 27	1 10	10 48	1 11	22 13	0 31	8 10	2 6	21 33	0 4	13 13	0 45	22 8	1 15	16 30	16 7	10 53	14 56	7 9	M 3
T 4	22 13	16 27	0s 1	21 4	1 42	12 1	1 7	10 59	1 12	22 14	0 32	8 8	2 6	21 33	0 4	13 12	0 45	22 8	1 15	16 30	16 8	10 55	14 56	7 9	T 4
W 5	22 5	13 19	1 13	20 34	1 39	11 33	1 4	11 10	1 13	22 16	0 32	8 6	2 6	21 34	0 4	13 11	0 45	22 8	1 15	16 30	16 9	10 57	14 57	7 9	W 5
T 6	21 57	9 26	2 23	20 4	1 35	11 6	1 0	11 21	1 14	22 17	0 32	8 4	2 6	21 34	0 4	13 11	0 45	22 8	1 15	16 29	16 10	10 59	14 57	7 9	T 6
F 7	21 48	5 1	3 25	19 32	1 31	10 38	0 57	11 32	1 15	22 18	0 32	8 1	2 6	21 35	0 4	13 10	0 45	22 8	1 15	16 29	16 11	11 1	14 58	7 9	F 7
S 8	21 39	0 17	4 16	18 59	1 26	10 11	0 53	11 44	1 16	22 20	0 32	7 59	2 6	21 35	0 4	13 9	0 45	22 9	1 15	16 29	16 12	11 3	14 58	7 9	S 8
S 9	21 29	4n32	4 53	18 26	1 20	9 43	0 49	11 55	1 17	22 21	0 32	7 57	2 6	21 36	0 4	13 9	0 45	22 9	1 15	16 28	16 13	11 4	14 59	7 9	S 9
M10	21 19	9 8	5 12	17 52	1 15	9 14	0 46	12 7	1 18	22 22	0 32	7 55	2 6	21 36	0 4	13 8	0 45	22 9	1 15	16 29	16 14	11 6	14 59	7 9	M10
T 11	21 9	13 16	5 12	17 17	1 9	8 46	0 42	12 18	1 18	22 24	0 33	7 52	2 5	21 37	0 4	13 7	0 45	22 9	1 15	16 29	16 15	11 8	15 0	7 9	T 11
W12	20 58	16 38	4 53	16 41	1 2	8 18	0 38	12 30	1 19	22 25	0 33	7 50	2 5	21 37	0 4	13 7	0 45	22 9	1 14	16 30	16 16	11 10	15 0	7 9	W12
T 13	20 47	18 58	4 15	16 5	0 55	7 49	0 33	12 41	1 20	22 26	0 33	7 48	2 5	21 38	0 4	13 6	0 45	22 10	1 14	16 30	16 17	11 12	15 1	7 9	T 13
F 14	20 36	20 5	3 21	15 29	0 48	7 20	0 29	12 53	1 21	22 28	0 33	7 45	2 5	21 38	0 4	13 5	0 45	22 10	1 14	16 31	16 18	11 14	15 2	7 9	F 14
S 15	20 24	19 55	2 16	14 53	0 40	6 51	0 25	13 5	1 22	22 29	0 33	7 43	2 5	21 38	0 4	13 5	0 45	22 10	1 14	16 31	16 19	11 16	15 2	7 9	S 15
S 16	20 12	18 31	1 3	14 16	0 32	6 22	0 20	13 16	1 23	22 30	0 33	7 41	2 5	21 39	0 4	13 4	0 45	22 10	1 14	16 32	16 20	11 18	15 3	7 9	S 16
M17	19 59	16 5	0n12	13 39	0 24	5 53	0 16	13 28	1 23	22 32	0 33	7 38	2 5	21 39	0 4	13 3	0 45	22 10	1 14	16 32	16 21	11 20	15 3	7 9	M17
T 18	19 46	12 51	1 24	13 2	0 16	5 23	0 11	13 40	1 24	22 33	0 33	7 36	2 5	21 40	0 4	13 3	0 45	22 10	1 14	16 32	16 22	11 22	15 4	7 9	T 18
W19	19 33	9 4	2 30	12 25	0 7	4 54	0 6	13 52	1 25	22 34	0 34	7 33	2 5	21 40	0 4	13 2	0 45	22 11	1 14	16 31	16 22	11 24	15 4	7 9	W19
T 20	19 20	4 59	3 27	11 48	0s 2	4 24	0 2	14 3	1 26	22 35	0 34	7 31	2 5	21 40	0 4	13 1	0 45	22 11	1 13	16 31	16 23	11 26	15 5	7 8	T 20
F 21	19 6	0 47	4 14	11 11	0 11	3 55	0s 3	14 15	1 26	22 36	0 34	7 28	2 4	21 41	0 4	13 0	0 45	22 11	1 13	16 31	16 24	11 28	15 5	7 8	F 21
S 22	18 52	3s22	4 48	10 34	0 21	3 25	0 8	14 27	1 27	22 38	0 34	7 26	2 4	21 41	0 4	13 0	0 45	22 11	1 13	16 31	16 25	11 30	15 6	7 8	S 22
S 23	18 38	7 20	5 9	9 58	0 30	2 55	0 13	14 39	1 28	22 39	0 34	7 23	2 4	21 41	0 4	12 59	0 45	22 11	1 13	16 30	16 26	11 32	15 7	7 8	S 23
M24	18 23	11 0	5 17	9 21	0 40	2 26	0 19	14 51	1 28	22 40	0 34	7 21	2 4	21 42	0 4	12 58	0 45	22 11	1 13	16 30	16 27	11 33	15 7	7 8	M24
T 25	18 8	14 13	5 11	8 46	0 50	1 56	0 24	15 3	1 29	22 41	0 34	7 18	2 4	21 42	0 4	12 58	0 45	22 12	1 13	16 31	16 28	11 35	15 8	7 8	T 25
W26	17 53	16 53	4 52	8 10	1 0	1 26	0 29	15 14	1 30	22 42	0 34	7 16	2 4	21 43	0 4	12 57	0 45	22 12	1 13	16 31	16 29	11 37	15 9	7 7	W26
T 27	17 37	18 50	4 19	7 36	1 10	0 56	0 35	15 26	1 30	22 43	0 34	7 13	2 4	21 43	0 4	12 56	0 45	22 12	1 13	16 31	16 30	11 39	15 9	7 7	T 27
F 28	17 21	19 57	3 34	7 2	1 21	0 27	0 40	15 38	1 31	22 44	0 34	7 11	2 4	21 43	0 4	12 55	0 45	22 12	1 13	16 31	16 31	11 41	15 10	7 7	F 28
S 29	17 5	20 6	2 38	6 28	1 31	0s 3	0 46	15 50	1 31	22 45	0 35	7 8	2 4	21 44	0 4	12 55	0 45	22 12	1 12	16 31	16 32	11 43	15 10	7 7	S 29
S 30	16 49	19 12	1 33	5 55	1 41	0 33	0 52	16 2	1 32	22 46	0 35	7 5	2 4	21 44	0 4	12 54	0 45	22 12	1 12	16 31	16 33	11 45	15 11	7 7	S 30
M31	16n32	17s16	0n21	5n24	1s52	1s 3	0s58	16s13	1s33	22s47	0s35	7n 3	2n 4	21n44	0s 4	12n53	0n45	22s13	1n12	16n31	16n34	11s47	15s12	7n 6	M31

Julian Day Number = 2186202.5, Delta T = 11m06s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'31, Lahiri = 13°43'31 Julian Calendar 1 July 1273 == Greg. Calendar 8 July 1273

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ASTRODIENST EPHEMERIS for the year 1273
geocentric

AUGUST 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 7 37	15♌30'43	24♒10	12♍50	1♎25	10♏14	18°R39	17♍ 8	8♊28	28♌ 7	5°R36	14°R36	14♌24	16♏11	18°R34	T 1
W 2	21 11 33	16°28'28	7♓51	13°42	2°25	10°49	18♑33	17°14	8°30	28° 9	5♑35	14♌35	14°20	16°18	18♑31	W 2
T 3	21 15 30	17°26'14	21°46	14°31	3°25	11°25	18°27	17°21	8°31	28°12	5°34	14°35	14°17	16°24	18°28	T 3
F 4	21 19 26	18°24'01	5♈50	15°17	4°25	12° 0	18°22	17°28	8°33	28°14	5°33	14°35	14°14	16°31	18°25	F 4
S 5	21 23 23	19°21'51	20° 2	15°59	5°24	12°36	18°16	17°35	8°35	28°16	5°32	14°34	14°11	16°38	18°22	S 5
S 6	21 27 19	20°19'42	4♉17	16°38	6°23	13°12	18°11	17°41	8°36	28°18	5°31	14°34	14° 8	16°45	18°20	S 6
M 7	21 31 16	21°17'35	18°32	17°12	7°22	13°49	18° 5	17°48	8°38	28°20	5°30	14°D34	14° 4	16°51	18°17	M 7
T 8	21 35 12	22°15'30	2♊45	17°43	8°20	14°25	18° 0	17°55	8°39	28°23	5°29	14°34	14° 1	16°58	18°14	T 8
W 9	21 39 9	23°13'26	16°53	18° 9	9°17	15° 2	17°55	18° 2	8°41	28°25	5°28	14°34	13°58	17° 5	18°12	W 9
T 10	21 43 5	24°11'25	0♋54	18°30	10°15	15°39	17°50	18° 9	8°42	28°27	5°27	14°35	13°55	17°12	18° 9	T 10
F 11	21 47 2	25° 9'26	14°47	18°46	11°12	16°16	17°45	18°16	8°44	28°29	5°26	14°36	13°52	17°18	18° 7	F 11
S 12	21 50 59	26° 7'28	28°28	18°57	12° 8	16°53	17°41	18°23	8°45	28°31	5°26	14°37	13°49	17°25	18° 4	S 12
S 13	21 54 55	27° 5'32	11♌57	19°R 3	13° 4	17°30	17°36	18°30	8°46	28°34	5°25	14°R37	13°45	17°32	18° 2	S 13
M14	21 58 52	28° 3'38	25°12	19° 3	14° 0	18° 8	17°32	18°37	8°48	28°36	5°24	14°37	13°42	17°38	17°59	M14
T 15	22 2 48	29° 1'46	8♍13	18°57	14°55	18°46	17°28	18°44	8°49	28°38	5°23	14°36	13°39	17°45	17°57	T 15
W16	22 6 45	29°59'55	20°58	18°44	15°49	19°24	17°24	18°52	8°50	28°40	5°23	14°34	13°36	17°52	17°55	W16
T 17	22 10 41	0♍58'06	3♎28	18°26	16°43	20° 2	17°20	18°59	8°51	28°43	5°22	14°32	13°33	17°59	17°53	T 17
F 18	22 14 38	1°56'19	15°45	18° 1	17°37	20°40	17°16	19° 6	8°52	28°45	5°21	14°29	13°30	18° 5	17°51	F 18
S 19	22 18 34	2°54'33	27°51	17°29	18°29	21°18	17°13	19°13	8°53	28°47	5°21	14°27	13°26	18°12	17°49	S 19
S 20	22 22 31	3°52'48	9♏48	16°52	19°22	21°57	17°10	19°20	8°54	28°49	5°20	14°25	13°23	18°19	17°47	S 20
M21	22 26 28	4°51'06	21°41	16° 8	20°13	22°36	17° 7	19°28	8°55	28°51	5°19	14°23	13°20	18°25	17°45	M21
T 22	22 30 24	5°49'24	3♐34	15°19	21° 4	23°15	17° 4	19°35	8°56	28°54	5°19	14°D22	13°17	18°32	17°43	T 22
W23	22 34 21	6°47'45	15°32	14°26	21°55	23°54	17° 1	19°42	8°57	28°56	5°18	14°23	13°14	18°39	17°41	W23
T 24	22 38 17	7°46'07	27°39	13°29	22°44	24°33	16°59	19°49	8°57	28°58	5°18	14°24	13°10	18°46	17°39	T 24
F 25	22 42 14	8°44'31	10♑ 0	12°29	23°33	25°12	16°57	19°57	8°58	29° 0	5°17	14°25	13° 7	18°52	17°38	F 25
S 26	22 46 10	9°42'56	22°39	11°27	24°21	25°52	16°54	20° 4	8°59	29° 3	5°17	14°27	13° 4	18°59	17°36	S 26
S 27	22 50 7	10°41'23	5♒38	10°25	25° 9	26°32	16°53	20°11	8°59	29° 5	5°17	14°28	13° 1	19° 6	17°35	S 27
M28	22 54 3	11°39'52	19° 1	9°24	25°55	27°11	16°51	20°19	9° 0	29° 7	5°16	14°R28	12°58	19°13	17°33	M28
T 29	22 58 0	12°38'23	2♓46	8°26	26°41	27°51	16°49	20°26	9° 0	29° 9	5°16	14°27	12°55	19°19	17°32	T 29
W30	23 1 57	13°36'55	16°52	7°33	27°26	28°31	16°48	20°33	9° 1	29°11	5°15	14°25	12°51	19°26	17°30	W30
T 31	23 5 53	14♍35'29	1♈15	6♍44	28♎10	29♏12	16♑47	20♍41	9♊ 1	29♌13	5♑15	14♌21	12♌48	19♏33	17♑29	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸		⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n15	14s21	0s53	4n53	2s 2	1s32	1s 3	16s25	1s33	22s48	0s35	7n 0	2n 4	21n44	0s 4	12n52	0n45	22s13	1n12	16n31	16n35	11s49	15s12	7n 6
W 2	15 58	10 36	2 5	4 23	2 13	2 2	1 9	16 37	1 34	22 49	0 35	6 57	2 4	21 45	0 4	12 52	0 45	22 13	1 12	16 31	16 36	11 51	15 13	7 6
T 3	15 40	6 13	3 12	3 55	2 24	2 31	1 15	16 48	1 34	22 50	0 35	6 55	2 3	21 45	0 4	12 51	0 45	22 13	1 12	16 31	16 36	11 53	15 13	7 6
F 4	15 22	1 27	4 7	3 27	2 34	3 0	1 22	17 0	1 35	22 51	0 35	6 52	2 3	21 45	0 4	12 50	0 45	22 13	1 12	16 31	16 37	11 55	15 14	7 5
S 5	15 4	3n25	4 48	3 2	2 44	3 30	1 28	17 12	1 35	22 52	0 35	6 49	2 3	21 46	0 4	12 49	0 45	22 13	1 12	16 31	16 38	11 57	15 15	7 5
S 6	14 46	8 6	5 12	2 37	2 54	3 59	1 34	17 23	1 36	22 52	0 35	6 46	2 3	21 46	0 4	12 49	0 45	22 14	1 11	16 32	16 39	11 58	15 15	7 5
M 7	14 27	12 21	5 16	2 15	3 4	4 28	1 40	17 35	1 36	22 53	0 35	6 44	2 3	21 46	0 4	12 48	0 45	22 14	1 11	16 32	16 40	12 0	15 16	7 4
T 8	14 9	15 52	5 1	1 54	3 14	4 57	1 47	17 46	1 37	22 54	0 35	6 41	2 3	21 46	0 4	12 47	0 45	22 14	1 11	16 32	16 41	12 2	15 17	7 4
W 9	13 50	18 26	4 28	1 35	3 23	5 26	1 53	17 57	1 37	22 55	0 35	6 38	2 3	21 47	0 4	12 46	0 45	22 14	1 11	16 31	16 42	12 4	15 17	7 4
T 10	13 31	19 53	3 39	1 19	3 32	5 54	2 0	18 9	1 38	22 55	0 35	6 35	2 3	21 47	0 4	12 45	0 45	22 14	1 11	16 31	16 43	12 6	15 18	7 3
F 11	13 11	20 6	2 38	1 4	3 41	6 23	2 6	18 20	1 38	22 56	0 35	6 33	2 3	21 47	0 4	12 45	0 45	22 14	1 11	16 31	16 44	12 8	15 19	7 3
S 12	12 52	19 6	1 28	0 53	3 49	6 51	2 13	18 31	1 38	22 57	0 35	6 30	2 3	21 47	0 4	12 44	0 45	22 15	1 11	16 31	16 45	12 10	15 19	7 3
S 13	12 32	17 2	0 15	0 44	3 56	7 19	2 20	18 42	1 39	22 57	0 36	6 27	2 3	21 47	0 4	12 43	0 45	22 15	1 11	16 31	16 46	12 12	15 20	7 2
M14	12 12	14 5	0n58	0 38	4 3	7 47	2 26	18 53	1 39	22 58	0 36	6 24	2 3	21 48	0 4	12 42	0 45	22 15	1 10	16 31	16 47	12 14	15 21	7 2
T 15	11 51	10 29	2 7	0 35	4 8	8 15	2 33	19 4	1 40	22 59	0 36	6 21	2 3	21 48	0 4	12 42	0 45	22 15	1 10	16 31	16 47	12 16	15 21	7 2
W16	11 31	6 28	3 7	0 35	4 13	8 43	2 40	19 15	1 40	22 59	0 36	6 19	2 3	21 48	0 4	12 41	0 45	22 15	1 10	16 31	16 48	12 18	15 22	7 1
T 17	11 10	2 15	3 58	0 39	4 17	9 10	2 47	19 25	1 40	23 0	0 36	6 16	2 3	21 48	0 4	12 40	0 45	22 15	1 10	16 32	16 49	12 19	15 22	7 1
F 18	10 50	1s58	4 36	0 47	4 19	9 37	2 54	19 36	1 41	23 0	0 36	6 13	2 3	21 48	0 4	12 39	0 45	22 16	1 10	16 33	16 50	12 21	15 23	7 1
S 19	10 29	6 3	5 2	0 59	4 20	10 4	3 1	19 47	1 41	23 1	0 36	6 10	2 3	21 49	0 4	12 39	0 45	22 16	1 10	16 34	16 51	12 23	15 24	7 0
S 20	10 7	9 51	5 14	1 14	4 19	10 30	3 8	19 57	1 41	23 1	0 36	6 7	2 3	21 49	0 4	12 38	0 45	22 16	1 10	16 34	16 52	12 25	15 24	7 0
M21	9 46	13 14	5 12	1 33	4 17	10 56	3 15	20 8	1 41	23 1	0 36	6 4	2 3	21 49	0 4	12 37	0 45	22 16	1 10	16 35	16 53	12 27	15 25	7 0
T 22	9 25	16 5	4 57	1 56	4 12	11 22	3 22	20 18	1 42	23 2	0 36	6 1	2 3	21 49	0 4	12 36	0 45	22 16	1 9	16 35	16 54	12 29	15 26	6 59
W23	9 3	18 17	4 30	2 22	4 6	11 48	3 29	20 28	1 42	23 2	0 36	5 58	2 3	21 49	0 4	12 35	0 45	22 16	1 9	16 35	16 55	12 31	15 26	6 59
T 24	8 41	19 41	3 50	2 51	3 58	12 13	3 37	20 38	1 42	23 3	0 36	5 56	2 3	21 49	0 4	12 35	0 45	22 16	1 9	16 35	16 56	12 33	15 27	6 58
F 25	8 19	20 12	2 58	3 23	3 48	12 38	3 44	20 48	1 42	23 3	0 36	5 53	2 3	21 49	0 4	12 34	0 45	22 17	1 9	16 34	16 57	12 35	15 27	6 58
S 26	7 57	19 42	1 57	3 58	3 36	13 3	3 51	20 58	1 43	23 3	0 36	5 50	2 3	21 49	0 4	12 33	0 45	22 17	1 9	16 34	16 57	12 36	15 28	6 57
S 27	7 35	18 9	0 48	4 34	3 22	13 27	3 58	21 7	1 43	23 3	0 36	5 47	2 3	21 50	0 4	12 32	0 45	22 17	1 9	16 33	16 58	12 38	15 29	6 57
M28	7 13	15 34	0s25	5 11	3 7	13 51	4 5	21 17	1 43	23 4	0 36	5 44	2 3	21 50	0 4	12 32	0 45	22 17	1 9	16 33	16 59	12 40	15 29	6 57
T 29	6 51	12 4	1 39	5 48	2 50	14 15	4 13	21 26	1 43	23 4	0 36	5 41	2 3	21 50	0 3	12 31	0 45	22 17	1 8	16 34	17 0	12 42	15 30	6 56
W30	6 28	7 47	2 48	6 25	2 32	14 38	4 20	21 35	1 44	23 4	0 36	5 38	2 3	21 50	0 3	12 30	0 45	22 17	1 8	16 34	17 1	12 44	15 31	6 56
T 31	6n 5	2s59	3s48	7n 1	2s13	15s 1	4s27	21s44	1s44	23s 4	0s36	5n35	2n 3	21n50	0s 3	12n29	0n45	22s17	1n 8	16n35	17n 2	12s46	15s31	6n55

Julian Day Number = 2186233.5, Delta T = 11m06s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'35, Lahiri = 13°43'35 Julian Calendar 1 Aug. 1273 == Greg. Calendar 8 Aug. 1273

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ASTRODIENST EPHEMERIS for the year 1273
geocentric

SEPTEMBER 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 9 50	15♍34'06	15♈48	6°R 3	28♎52	29♏52	16°R46	20♍48	9♊ 2	29♌16	5°R15	14°R16	12♌45	19♏39	17°R28	F 1
S 2	23 13 46	16°32'44	0♉25	5♍29	29°34	0♐32	16♑45	20°55	9° 2	29°18	5♑15	14♌12	12°42	19°46	17♑27	S 2
S 3	23 17 43	17°31'25	15° 1	5° 4	0♏15	1°13	16°45	21° 3	9° 2	29°20	5°14	14° 8	12°39	19°53	17°26	S 3
M 4	23 21 39	18°30'08	29°28	4°49	0°55	1°54	16°44	21°10	9° 2	29°22	5°14	14° 5	12°36	20° 0	17°25	M 4
T 5	23 25 36	19°28'54	13♊43	4°D43	1°34	2°34	16°D44	21°18	9° 2	29°24	5°14	14°D 4	12°32	20° 6	17°24	T 5
W 6	23 29 32	20°27'41	27°44	4°47	2°12	3°15	16°44	21°25	9° 2	29°26	5°14	14° 4	12°29	20°13	17°23	W 6
T 7	23 33 29	21°26'32	11♋31	5° 1	2°48	3°57	16°44	21°32	9°R 2	29°28	5°14	14° 5	12°26	20°20	17°22	T 7
F 8	23 37 26	22°25'24	25° 2	5°25	3°23	4°38	16°45	21°40	9° 2	29°30	5°14	14° 6	12°23	20°26	17°21	F 8
S 9	23 41 22	23°24'19	8♌20	5°59	3°57	5°19	16°45	21°47	9° 2	29°33	5°14	14°R 7	12°20	20°33	17°21	S 9
S 10	23 45 19	24°23'16	21°25	6°41	4°30	6° 1	16°46	21°55	9° 2	29°35	5°D14	14° 7	12°16	20°40	17°20	S 10
M11	23 49 15	25°22'15	4♍18	7°32	5° 1	6°42	16°47	22° 2	9° 2	29°37	5°14	14° 5	12°13	20°47	17°20	M11
T 12	23 53 12	26°21'16	16°59	8°30	5°31	7°24	16°49	22°10	9° 2	29°39	5°14	14° 1	12°10	20°53	17°19	T 12
W13	23 57 8	27°20'19	29°30	9°36	5°59	8° 6	16°50	22°17	9° 2	29°41	5°14	13°55	12° 7	21° 0	17°19	W13
T 14	0 1 5	28°19'25	11♎50	10°48	6°26	8°48	16°52	22°24	9° 1	29°43	5°14	13°48	12° 4	21° 7	17°19	T 14
F 15	0 5 1	29°18'32	24° 0	12° 6	6°51	9°30	16°53	22°32	9° 1	29°45	5°14	13°39	12° 1	21°14	17°18	F 15
S 16	0 8 58	0♎17'42	6♏ 1	13°29	7°14	10°12	16°55	22°39	9° 0	29°47	5°14	13°30	11°57	21°20	17°18	S 16
S 17	0 12 54	1°16'53	17°56	14°56	7°36	10°54	16°57	22°46	9° 0	29°49	5°14	13°22	11°54	21°27	17°D18	S 17
M18	0 16 51	2°16'06	29°48	16°26	7°56	11°37	17° 0	22°54	8°59	29°51	5°15	13°15	11°51	21°34	17°18	M18
T 19	0 20 48	3°15'21	11♐39	18° 0	8°14	12°19	17° 2	23° 1	8°59	29°53	5°15	13°11	11°48	21°40	17°18	T 19
W20	0 24 44	4°14'38	23°34	19°37	8°30	13° 2	17° 5	23° 8	8°58	29°54	5°15	13° 8	11°45	21°47	17°19	W20
T 21	0 28 41	5°13'57	5♑37	21°15	8°44	13°45	17° 8	23°16	8°57	29°56	5°16	13°D 7	11°41	21°54	17°19	T 21
F 22	0 32 37	6°13'18	17°54	22°55	8°55	14°27	17°11	23°23	8°57	29°58	5°16	13° 8	11°38	22° 1	17°19	F 22
S 23	0 36 34	7°12'40	0♒30	24°37	9° 5	15°10	17°15	23°30	8°56	0♍ 0	5°16	13° 9	11°35	22° 7	17°20	S 23
S 24	0 40 30	8°12'04	13°29	26°19	9°13	15°53	17°18	23°38	8°55	0° 2	5°17	13°R10	11°32	22°14	17°20	S 24
M25	0 44 27	9°11'30	26°54	28° 2	9°18	16°36	17°22	23°45	8°54	0° 4	5°17	13° 9	11°29	22°21	17°21	M25
T 26	0 48 23	10°10'58	10♓47	29°46	9°21	17°20	17°26	23°52	8°53	0° 6	5°18	13° 6	11°26	22°27	17°21	T 26
W27	0 52 20	11°10'28	25° 8	1♎30	9°R22	18° 3	17°30	23°59	8°52	0° 7	5°18	13° 0	11°22	22°34	17°22	W27
T 28	0 56 17	12° 9'59	9♈51	3°14	9°20	18°46	17°34	24° 6	8°51	0° 9	5°19	12°53	11°19	22°41	17°23	T 28
F 29	1 0 13	13° 9'33	24°49	4°57	9°16	19°30	17°38	24°14	8°50	0°11	5°19	12°43	11°16	22°48	17°24	F 29
S 30	1 4 10	14♎ 9'09	9♉53	6♎41	9♏10	20♐13	17♑43	24♍21	8♊49	0♍13	5♑20	12♌34	11♌13	22♏54	17♑24	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n43	2n 1	4s34	7n34	1s54	15s23	4s34	21s53	1s44	23s 4	0s36	5n32	2n 3	21n50	0s 3	12n29	0n45	22s18	1n 8	16n37	17n 3	12s48	15s32	6n55
S 2	5 20	6 56	5 3	8 5	1 34	15 45	4 42	22 2	1 44	23 5	0 36	5 30	2 3	21 50	0 3	12 28	0 45	22 18	1 8	16 38	17 4	12 50	15 32	6 54
S 3	4 57	11 26	5 12	8 32	1 14	16 6	4 49	22 11	1 44	23 5	0 36	5 27	2 3	21 50	0 3	12 27	0 45	22 18	1 8	16 39	17 5	12 51	15 33	6 54
M 4	4 34	15 13	5 1	8 56	0 54	16 27	4 56	22 19	1 44	23 5	0 36	5 24	2 3	21 50	0 3	12 26	0 45	22 18	1 8	16 40	17 6	12 53	15 33	6 53
T 5	4 11	18 3	4 31	9 16	0 35	16 47	5 3	22 28	1 44	23 5	0 36	5 21	2 3	21 50	0 3	12 26	0 45	22 18	1 8	16 40	17 7	12 55	15 34	6 53
W 6	3 48	19 45	3 46	9 32	0 17	17 7	5 10	22 36	1 45	23 5	0 36	5 18	2 3	21 50	0 3	12 25	0 45	22 18	1 7	16 40	17 7	12 57	15 35	6 53
T 7	3 24	20 14	2 48	9 43	0n 0	17 27	5 17	22 44	1 45	23 5	0 36	5 15	2 3	21 50	0 3	12 24	0 45	22 18	1 7	16 40	17 8	12 59	15 35	6 52
F 8	3 1	19 32	1 42	9 49	0 17	17 45	5 24	22 52	1 45	23 5	0 36	5 12	2 3	21 50	0 3	12 24	0 45	22 19	1 7	16 40	17 9	13 1	15 36	6 52
S 9	2 38	17 45	0 31	9 51	0 32	18 4	5 31	22 59	1 45	23 5	0 36	5 9	2 3	21 50	0 3	12 23	0 45	22 19	1 7	16 39	17 10	13 3	15 36	6 51
S 10	2 14	15 2	0n40	9 48	0 46	18 21	5 38	23 7	1 45	23 4	0 36	5 6	2 3	21 50	0 3	12 22	0 45	22 19	1 7	16 39	17 11	13 5	15 37	6 51
M11	1 51	11 38	1 47	9 41	0 58	18 38	5 44	23 14	1 45	23 4	0 36	5 3	2 3	21 50	0 3	12 21	0 45	22 19	1 7	16 40	17 12	13 6	15 37	6 50
T 12	1 27	7 44	2 48	9 29	1 10	18 55	5 51	23 21	1 45	23 4	0 36	5 1	2 3	21 50	0 3	12 21	0 45	22 19	1 7	16 41	17 13	13 8	15 38	6 50
W13	1 4	3 34	3 40	9 14	1 20	19 10	5 57	23 28	1 45	23 4	0 36	4 58	2 3	21 50	0 3	12 20	0 45	22 19	1 7	16 43	17 14	13 10	15 38	6 49
T 14	0 40	0s41	4 21	8 54	1 28	19 25	6 3	23 35	1 45	23 4	0 36	4 55	2 3	21 50	0 3	12 19	0 45	22 19	1 6	16 45	17 15	13 12	15 39	6 49
F 15	0 17	4 51	4 49	8 31	1 36	19 40	6 10	23 41	1 45	23 4	0 36	4 52	2 3	21 50	0 3	12 19	0 45	22 19	1 6	16 47	17 15	13 14	15 39	6 48
S 16	0s 7	8 47	5 4	8 5	1 42	19 53	6 16	23 48	1 45	23 3	0 36	4 49	2 4	21 50	0 3	12 18	0 45	22 20	1 6	16 50	17 16	13 16	15 40	6 48
S 17	0 31	12 20	5 6	7 36	1 47	20 6	6 21	23 54	1 45	23 3	0 36	4 46	2 4	21 50	0 3	12 17	0 45	22 20	1 6	16 52	17 17	13 18	15 40	6 47
M18	0 54	15 23	4 55	7 4	1 51	20 18	6 27	24 0	1 45	23 3	0 36	4 43	2 4	21 50	0 3	12 17	0 45	22 20	1 6	16 54	17 18	13 19	15 41	6 47
T 19	1 18	17 48	4 30	6 30	1 54	20 29	6 32	24 5	1 45	23 3	0 36	4 40	2 4	21 50	0 3	12 16	0 45	22 20	1 6	16 56	17 19	13 21	15 41	6 46
W20	1 42	19 28	3 54	5 54	1 56	20 39	6 38	24 11	1 45	23 2	0 36	4 38	2 4	21 49	0 3	12 15	0 45	22 20	1 6	16 56	17 20	13 23	15 42	6 46
T 21	2 5	20 17	3 8	5 16	1 57	20 48	6 43	24 16	1 45	23 2	0 36	4 35	2 4	21 49	0 3	12 15	0 45	22 20	1 5	16 57	17 21	13 25	15 42	6 45
F 22	2 29	20 10	2 11	4 36	1 57	20 57	6 47	24 21	1 45	23 1	0 36	4 32	2 4	21 49	0 3	12 14	0 45	22 20	1 5	16 56	17 22	13 27	15 43	6 45
S 23	2 52	19 1	1 7	3 55	1 56	21 4	6 51	24 26	1 45	23 1	0 36	4 29	2 4	21 49	0 3	12 13	0 45	22 20	1 5	16 56	17 23	13 29	15 43	6 44
S 24	3 16	16 52	0s 2	3 13	1 55	21 10	6 55	24 31	1 44	23 0	0 36	4 26	2 4	21 49	0 3	12 13	0 46	22 21	1 5	16 56	17 23	13 31	15 44	6 44
M25	3 39	13 44	1 13	2 30	1 53	21 15	6 59	24 35	1 44	23 0	0 36	4 24	2 4	21 49	0 3	12 12	0 46	22 21	1 5	16 56	17 24	13 32	15 44	6 43
T 26	4 3	9 44	2 22	1 47	1 50	21 19	7 2	24 39	1 44	23 0	0 36	4 21	2 4	21 49	0 3	12 12	0 46	22 21	1 5	16 57	17 25	13 34	15 44	6 43
W27	4 26	5 4	3 25	1 3	1 47	21 22	7 5	24 43	1 44	22 59	0 36	4 18	2 4	21 49	0 3	12 11	0 46	22 21	1 5	16 59	17 26	13 36	15 45	6 42
T 28	4 50	0n 0	4 15	0 18	1 44	21 24	7 7	24 47	1 44	22 58	0 36	4 15	2 5	21 48	0 3	12 10	0 46	22 21	1 5	17 1	17 27	13 38	15 45	6 42
F 29	5 13	5 10	4 49	0s27	1 40	21 24	7 9	24 50	1 44	22 58	0 36	4 12	2 5	21 48	0 3	12 10	0 46	22 21	1 4	17 3	17 28	13 40	15 46	6 41
S 30	5s36	10n 2	5s 3	1s12	1n35	21s23	7s10	24s54	1s44	22s57	0s36	4n10	2n 5	21n48	0s 3	12n 9	0n46	22s21	1n 4	17n 6	17n29	13s42	15s46	6n41

Julian Day Number = 2186264.5, Delta T = 11m06s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'39, Lahiri = 13°43'40 Julian Calendar 1 Sept. 1273 == Greg. Calendar 8 Sept. 1273

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ASTRODIENST EPHEMERIS for the year 1273
geocentric

OCTOBER 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 8 6	15♎ 8'47	24♉53	8♎24	9°R 1	20♐57	17♑48	24♍28	8°R48	0♍14	5♑21	12°R25	11♌10	23♏ 1	17♑25	S 1
M 2	1 12 3	16° 8'27	9♊40	10° 8	8♏50	21°41	17°53	24°35	8♊46	0°16	5°21	12♌18	11° 7	23° 8	17°26	M 2
T 3	1 15 59	17° 8'10	24° 9	11°50	8°36	22°24	17°58	24°42	8°45	0°18	5°22	12°14	11° 3	23°15	17°28	T 3
W 4	1 19 56	18° 7'55	8♋15	13°33	8°20	23° 8	18° 3	24°49	8°44	0°19	5°23	12°12	11° 0	23°21	17°29	W 4
T 5	1 23 52	19° 7'42	21°59	15°14	8° 2	23°52	18° 9	24°56	8°43	0°21	5°23	12°D11	10°57	23°28	17°30	T 5
F 6	1 27 49	20° 7'32	5♌21	16°56	7°41	24°36	18°14	25° 3	8°41	0°23	5°24	12°R12	10°54	23°35	17°31	F 6
S 7	1 31 46	21° 7'24	18°25	18°37	7°18	25°20	18°20	25°10	8°40	0°24	5°25	12°12	10°51	23°41	17°33	S 7
S 8	1 35 42	22° 7'18	1♍13	20°17	6°53	26° 5	18°26	25°17	8°38	0°26	5°26	12°10	10°47	23°48	17°34	S 8
M 9	1 39 39	23° 7'14	13°48	21°57	6°26	26°49	18°32	25°24	8°37	0°27	5°27	12° 6	10°44	23°55	17°36	M 9
T 10	1 43 35	24° 7'12	26°12	23°36	5°58	27°33	18°38	25°30	8°35	0°29	5°27	11°59	10°41	24° 2	17°38	T 10
W11	1 47 32	25° 7'13	8♎28	25°15	5°27	28°18	18°45	25°37	8°33	0°30	5°28	11°49	10°38	24° 8	17°39	W11
T 12	1 51 28	26° 7'15	20°36	26°53	4°56	29° 2	18°51	25°44	8°32	0°32	5°29	11°37	10°35	24°15	17°41	T 12
F 13	1 55 25	27° 7'19	2♏38	28°31	4°22	29°47	18°58	25°51	8°30	0°33	5°30	11°23	10°32	24°22	17°43	F 13
S 14	1 59 21	28° 7'25	14°35	0♏ 8	3°48	0♑31	19° 5	25°57	8°28	0°34	5°31	11° 8	10°28	24°28	17°45	S 14
S 15	2 3 18	29° 7'34	26°27	1°45	3°13	1°16	19°12	26° 4	8°27	0°36	5°32	10°55	10°25	24°35	17°47	S 15
M16	2 7 14	0♏ 7'43	8♐17	3°22	2°37	2° 1	19°19	26°10	8°25	0°37	5°33	10°43	10°22	24°42	17°49	M16
T 17	2 11 11	1° 7'55	20° 8	4°58	2° 1	2°46	19°27	26°17	8°23	0°38	5°34	10°34	10°19	24°49	17°51	T 17
W18	2 15 8	2° 8'08	2♑ 1	6°33	1°24	3°31	19°34	26°24	8°21	0°40	5°36	10°28	10°16	24°55	17°53	W18
T 19	2 19 4	3° 8'23	14° 2	8° 8	0°48	4°16	19°42	26°30	8°19	0°41	5°37	10°25	10°13	25° 2	17°55	T 19
F 20	2 23 1	4° 8'39	26°15	9°43	0°12	5° 1	19°50	26°36	8°17	0°42	5°38	10°24	10° 9	25° 9	17°58	F 20
S 21	2 26 57	5° 8'57	8♒45	11°17	29♎36	5°46	19°58	26°43	8°15	0°43	5°39	10°24	10° 6	25°15	18° 0	S 21
S 22	2 30 54	6° 9'17	21°38	12°51	29° 2	6°31	20° 6	26°49	8°13	0°45	5°40	10°23	10° 3	25°22	18° 3	S 22
M23	2 34 50	7° 9'37	4♓57	14°25	28°28	7°16	20°14	26°55	8°11	0°46	5°41	10°22	10° 0	25°29	18° 5	M23
T 24	2 38 47	8° 9'59	18°46	15°59	27°55	8° 1	20°23	27° 1	8° 9	0°47	5°43	10°18	9°57	25°36	18° 8	T 24
W25	2 42 43	9°10'23	3♈ 5	17°32	27°24	8°47	20°31	27° 8	8° 7	0°48	5°44	10°11	9°53	25°42	18°10	W25
T 26	2 46 40	10°10'48	17°52	19° 4	26°55	9°32	20°40	27°14	8° 5	0°49	5°45	10° 2	9°50	25°49	18°13	T 26
F 27	2 50 37	11°11'15	3♉ 0	20°37	26°27	10°17	20°49	27°20	8° 3	0°50	5°47	9°51	9°47	25°56	18°16	F 27
S 28	2 54 33	12°11'43	18°19	22° 9	26° 2	11° 3	20°58	27°26	8° 0	0°51	5°48	9°39	9°44	26° 2	18°19	S 28
S 29	2 58 30	13°12'13	3♊38	23°41	25°38	11°48	21° 7	27°32	7°58	0°52	5°49	9°28	9°41	26° 9	18°22	S 29
M30	3 2 26	14°12'45	18°45	25°13	25°17	12°34	21°16	27°38	7°56	0°53	5°51	9°20	9°38	26°16	18°25	M30
T 31	3 6 23	15♏13'18	3♋32	26♏44	24♎58	13♑20	21♑26	27♍43	7♊54	0♍54	5♑52	9♌13	9♌34	26♏23	18♑28	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊		☊		⚸		⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl		decl		decl		decl	lat
S 1	5s59	14n16	4s57	1s57	1n31	21s21	7s11	24s57	1s44	22s57	0s36	4n 7	2n 5	21n48	0s 3	12n 9	0n46	22s21	1n 4	17n 9		17n30		13s43		15s46	6n40
M 2	6 22	17 32	4 30	2 43	1 26	21 17	7 11	24 59	1 43	22 56	0 36	4 4	2 5	21 48	0 3	12 8	0 46	22 21	1 4	17 10		17 30		13 45		15 47	6 40
T 3	6 45	19 38	3 47	3 28	1 20	21 12	7 11	25 2	1 43	22 55	0 36	4 2	2 5	21 48	0 3	12 7	0 46	22 21	1 4	17 12		17 31		13 47		15 47	6 39
W 4	7 8	20 27	2 50	4 13	1 15	21 6	7 10	25 4	1 43	22 55	0 36	3 59	2 5	21 47	0 3	12 7	0 46	22 22	1 4	17 12		17 32		13 49		15 47	6 39
T 5	7 31	20 0	1 45	4 58	1 9	20 58	7 8	25 6	1 43	22 54	0 36	3 56	2 5	21 47	0 3	12 6	0 46	22 22	1 4	17 12		17 33		13 51		15 48	6 38
F 6	7 54	18 25	0 36	5 42	1 3	20 49	7 5	25 8	1 43	22 53	0 36	3 54	2 5	21 47	0 3	12 6	0 46	22 22	1 4	17 12		17 34		13 52		15 48	6 38
S 7	8 16	15 53	0n33	6 26	0 57	20 38	7 2	25 9	1 42	22 52	0 36	3 51	2 6	21 47	0 3	12 5	0 46	22 22	1 3	17 12		17 35		13 54		15 48	6 38
S 8	8 39	12 38	1 39	7 10	0 51	20 26	6 58	25 10	1 42	22 51	0 36	3 48	2 6	21 47	0 3	12 5	0 46	22 22	1 3	17 13		17 36		13 56		15 49	6 37
M 9	9 1	8 51	2 39	7 54	0 45	20 12	6 53	25 11	1 42	22 51	0 36	3 46	2 6	21 46	0 3	12 4	0 46	22 22	1 3	17 14		17 37		13 58		15 49	6 37
T 10	9 23	4 44	3 31	8 36	0 38	19 57	6 48	25 12	1 42	22 50	0 36	3 43	2 6	21 46	0 3	12 4	0 46	22 22	1 3	17 16		17 37		14 0		15 49	6 36
W11	9 45	0 29	4 12	9 19	0 32	19 41	6 41	25 13	1 41	22 49	0 36	3 40	2 6	21 46	0 3	12 3	0 46	22 22	1 3	17 19		17 38		14 2		15 49	6 36
T 12	10 7	3s45	4 41	10 1	0 25	19 23	6 34	25 13	1 41	22 48	0 36	3 38	2 6	21 46	0 3	12 3	0 46	22 22	1 3	17 22		17 39		14 3		15 50	6 35
F 13	10 29	7 47	4 57	10 42	0 18	19 4	6 26	25 13	1 41	22 47	0 36	3 35	2 6	21 45	0 3	12 2	0 46	22 22	1 3	17 26		17 40		14 5		15 50	6 35
S 14	10 51	11 30	4 59	11 23	0 12	18 44	6 17	25 12	1 41	22 46	0 36	3 33	2 6	21 45	0 3	12 2	0 46	22 22	1 3	17 30		17 41		14 7		15 50	6 34
S 15	11 12	14 45	4 49	12 3	0 5	18 23	6 8	25 12	1 40	22 45	0 36	3 30	2 7	21 45	0 3	12 1	0 46	22 23	1 2	17 34		17 42		14 9		15 50	6 34
M16	11 34	17 23	4 27	12 42	0s 2	18 1	5 57	25 11	1 40	22 44	0 36	3 28	2 7	21 44	0 3	12 1	0 46	22 23	1 2	17 37		17 43		14 11		15 50	6 33
T 17	11 55	19 18	3 52	13 21	0 8	17 38	5 46	25 10	1 40	22 43	0 36	3 25	2 7	21 44	0 3	12 1	0 46	22 23	1 2	17 39		17 43		14 12		15 51	6 33
W18	12 16	20 23	3 8	13 59	0 15	17 14	5 35	25 8	1 39	22 42	0 36	3 23	2 7	21 44	0 3	12 0	0 46	22 23	1 2	17 41		17 44		14 14		15 51	6 32
T 19	12 36	20 34	2 15	14 37	0 22	16 49	5 22	25 7	1 39	22 41	0 36	3 20	2 7	21 44	0 3	12 0	0 46	22 23	1 2	17 42		17 45		14 16		15 51	6 32
F 20	12 57	19 46	1 14	15 14	0 28	16 24	5 9	25 5	1 39	22 39	0 36	3 18	2 7	21 43	0 3	11 59	0 46	22 23	1 2	17 42		17 46		14 18		15 51	6 31
S 21	13 17	18 0	0 9	15 50	0 35	15 59	4 56	25 3	1 38	22 38	0 36	3 16	2 8	21 43	0 3	11 59	0 46	22 23	1 2	17 42		17 47		14 20		15 51	6 31
S 22	13 37	15 17	0s59	16 25	0 41	15 33	4 42	25 0	1 38	22 37	0 36	3 13	2 8	21 43	0 3	11 59	0 46	22 23	1 2	17 42		17 48		14 21		15 51	6 31
M23	13 57	11 41	2 6	16 59	0 48	15 8	4 28	24 57	1 38	22 36	0 36	3 11	2 8	21 42	0 3	11 58	0 46	22 23	1 1	17 43		17 49		14 23		15 52	6 30
T 24	14 17	7 20	3 8	17 33	0 54	14 42	4 13	24 54	1 37	22 35	0 36	3 9	2 8	21 42	0 3	11 58	0 46	22 23	1 1	17 44		17 49		14 25		15 52	6 30
W25	14 36	2 26	4 0	18 5	1 0	14 17	3 58	24 51	1 37	22 33	0 36	3 6	2 8	21 42	0 3	11 57	0 46	22 23	1 1	17 46		17 50		14 27		15 52	6 29
T 26	14 56	2n45	4 38	18 37	1 6	13 52	3 43	24 47	1 36	22 32	0 36	3 4	2 8	21 41	0 3	11 57	0 47	22 23	1 1	17 48		17 51		14 29		15 52	6 29
F 27	15 15	7 53	4 58	19 8	1 12	13 28	3 27	24 44	1 36	22 31	0 36	3 2	2 9	21 41	0 3	11 57	0 47	22 23	1 1	17 51		17 52		14 30		15 52	6 28
S 28	15 33	12 36	4 57	19 38	1 18	13 4	3 12	24 39	1 36	22 29	0 36	3 0	2 9	21 41	0 3	11 56	0 47	22 23	1 1	17 54		17 53		14 32		15 52	6 28
S 29	15 52	16 28	4 34	20 7	1 24	12 41	2 57	24 35	1 35	22 28	0 36	2 57	2 9	21 40	0 3	11 56	0 47	22 24	1 1	17 57		17 54		14 34		15 52	6 28
M30	16 10	19 11	3 53	20 35	1 29	12 19	2 41	24 30	1 35	22 26	0 36	2 55	2 9	21 40	0 3	11 56	0 47	22 24	1 1	17 59		17 55		14 36		15 52	6 27
T 31	16s28	20n33	2s56	21s 2	1s34	11s58	2s26	24s25	1s34	22s25	0s36	2n53	2n 9	21n40	0s 3	11n56	0n47	22s24	1n 0	18n 1		17n55		14s38		15s52	6n27

Julian Day Number = 2186294.5, Delta T = 11m06s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'43, Lahiri = 13°43'44 Julian Calendar 1 Oct. 1273 == Greg. Calendar 8 Oct. 1273

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ASTRODIENST EPHEMERIS for the year 1273
geocentric

NOVEMBER 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 10 19	16♏13'53	17♋52	28♏15	24°R41	14♑ 5	21♑35	27♍49	7°R51	0♍54	5♑54	9°R10	9♌31	26♏29	18♑31	W 1
T 2	3 14 16	17°14'30	1♌44	29°46	24♎27	14°51	21°45	27°55	7♊49	0°55	5°55	9♌ 9	9°28	26°36	18°34	T 2
F 3	3 18 12	18°15'09	15°10	1♐17	24°15	15°37	21°54	28° 0	7°47	0°56	5°57	9° 9	9°25	26°43	18°37	F 3
S 4	3 22 9	19°15'49	28°11	2°47	24° 6	16°22	22° 4	28° 6	7°44	0°57	5°58	9° 8	9°22	26°50	18°40	S 4
S 5	3 26 6	20°16'32	10♍53	4°17	23°59	17° 8	22°14	28°11	7°42	0°58	6° 0	9° 7	9°18	26°56	18°44	S 5
M 6	3 30 2	21°17'15	23°19	5°47	23°55	17°54	22°24	28°17	7°39	0°58	6° 1	9° 3	9°15	27° 3	18°47	M 6
T 7	3 33 59	22°18'01	5♎32	7°16	23°D53	18°40	22°34	28°22	7°37	0°59	6° 3	8°56	9°12	27°10	18°50	T 7
W 8	3 37 55	23°18'48	17°38	8°45	23°54	19°26	22°45	28°27	7°35	1° 0	6° 4	8°46	9° 9	27°16	18°54	W 8
T 9	3 41 52	24°19'36	29°37	10°13	23°57	20°12	22°55	28°33	7°32	1° 0	6° 6	8°34	9° 6	27°23	18°57	T 9
F 10	3 45 48	25°20'26	11♏32	11°41	24° 3	20°58	23° 6	28°38	7°30	1° 1	6° 8	8°20	9° 3	27°30	19° 1	F 10
S 11	3 49 45	26°21'17	23°24	13° 9	24°10	21°44	23°16	28°43	7°27	1° 1	6° 9	8° 6	8°59	27°37	19° 5	S 11
S 12	3 53 41	27°22'10	5♐16	14°36	24°20	22°30	23°27	28°48	7°25	1° 2	6°11	7°52	8°56	27°43	19° 8	S 12
M13	3 57 38	28°23'03	17° 8	16° 2	24°33	23°16	23°38	28°53	7°22	1° 2	6°13	7°40	8°53	27°50	19°12	M13
T 14	4 1 35	29°23'58	29° 1	17°27	24°47	24° 2	23°49	28°58	7°20	1° 3	6°14	7°31	8°50	27°57	19°16	T 14
W15	4 5 31	0♐24'54	10♑58	18°51	25° 4	24°48	24° 0	29° 2	7°17	1° 3	6°16	7°25	8°47	28° 3	19°20	W15
T 16	4 9 28	1°25'50	23° 2	20°14	25°22	25°35	24°11	29° 7	7°15	1° 3	6°18	7°22	8°44	28°10	19°24	T 16
F 17	4 13 24	2°26'48	5♒17	21°36	25°43	26°21	24°22	29°12	7°12	1° 4	6°20	7°D20	8°40	28°17	19°28	F 17
S 18	4 17 21	3°27'46	17°46	22°56	26° 5	27° 7	24°34	29°16	7° 9	1° 4	6°22	7°21	8°37	28°24	19°32	S 18
S 19	4 21 17	4°28'45	0♓34	24°15	26°29	27°53	24°45	29°21	7° 7	1° 4	6°23	7°R21	8°34	28°30	19°36	S 19
M20	4 25 14	5°29'44	13°45	25°31	26°55	28°40	24°57	29°25	7° 4	1° 4	6°25	7°21	8°31	28°37	19°40	M20
T 21	4 29 10	6°30'45	27°23	26°45	27°23	29°26	25° 8	29°29	7° 2	1° 5	6°27	7°19	8°28	28°44	19°44	T 21
W22	4 33 7	7°31'45	11♈30	27°56	27°52	0♒12	25°20	29°34	6°59	1° 5	6°29	7°15	8°24	28°50	19°48	W22
T 23	4 37 4	8°32'47	26° 5	29° 4	28°23	0°59	25°32	29°38	6°57	1° 5	6°31	7° 8	8°21	28°57	19°52	T 23
F 24	4 41 0	9°33'49	11♉ 3	0♑ 8	28°56	1°45	25°44	29°42	6°54	1° 5	6°33	7° 0	8°18	29° 4	19°56	F 24
S 25	4 44 57	10°34'51	26°18	1° 8	29°30	2°31	25°56	29°46	6°52	1° 5	6°34	6°51	8°15	29°11	20° 1	S 25
S 26	4 48 53	11°35'55	11♊38	2° 3	0♏ 5	3°18	26° 8	29°49	6°49	1°R 5	6°36	6°42	8°12	29°17	20° 5	S 26
M27	4 52 50	12°36'59	26°52	2°53	0°42	4° 4	26°20	29°53	6°46	1° 5	6°38	6°35	8° 9	29°24	20° 9	M27
T 28	4 56 46	13°38'04	11♋49	3°35	1°20	4°51	26°32	29°57	6°44	1° 5	6°40	6°30	8° 5	29°31	20°14	T 28
W29	5 0 43	14°39'09	26°22	4°11	2° 0	5°37	26°45	0♎ 0	6°41	1° 5	6°42	6°28	8° 2	29°37	20°18	W29
T 30	5 4 40	15♐40'16	10♌27	4♑38	2♏40	6♒24	26♑57	0♎ 4	6♊39	1♍ 5	6♑44	6°D27	7♌59	29♏44	20♑23	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s45	20n31	1s50	21s28	1s40	11s37	2s11	24s20	1s34	22s23	0s36	2n51	2n10	21n39	0s 3	11n55	0n47	22s24	1n 0	18n 2	17n56	14s39	15s52	6n26
T 2	17 3	19 13	0 39	21 53	1 45	11 18	1 56	24 15	1 33	22 22	0 36	2 49	2 10	21 39	0 3	11 55	0 47	22 24	1 0	18 2	17 57	14 41	15 52	6 26
F 3	17 20	16 51	0n32	22 17	1 49	11 0	1 41	24 9	1 33	22 20	0 36	2 47	2 10	21 38	0 3	11 55	0 47	22 24	1 0	18 2	17 58	14 43	15 52	6 26
S 4	17 37	13 42	1 39	22 39	1 54	10 43	1 26	24 3	1 32	22 19	0 36	2 45	2 10	21 38	0 3	11 55	0 47	22 24	1 0	18 2	17 59	14 45	15 52	6 25
S 5	17 53	9 58	2 39	23 1	1 58	10 28	1 12	23 57	1 32	22 17	0 36	2 43	2 10	21 38	0 3	11 54	0 47	22 24	1 0	18 3	18 0	14 46	15 52	6 25
M 6	18 9	5 53	3 31	23 21	2 2	10 13	0 58	23 50	1 32	22 16	0 36	2 41	2 11	21 37	0 3	11 54	0 47	22 24	1 0	18 4	18 1	14 48	15 52	6 24
T 7	18 25	1 38	4 12	23 41	2 6	10 0	0 45	23 44	1 31	22 14	0 36	2 39	2 11	21 37	0 3	11 54	0 47	22 24	1 0	18 6	18 1	14 50	15 52	6 24
W 8	18 40	2s37	4 41	23 59	2 9	9 48	0 31	23 37	1 31	22 12	0 36	2 37	2 11	21 37	0 3	11 54	0 47	22 24	1 0	18 8	18 2	14 52	15 52	6 24
T 9	18 56	6 45	4 57	24 15	2 13	9 37	0 18	23 29	1 30	22 10	0 36	2 35	2 11	21 36	0 3	11 54	0 47	22 24	0 59	18 11	18 3	14 53	15 51	6 23
F 10	19 10	10 35	5 0	24 30	2 15	9 27	0 6	23 22	1 30	22 9	0 36	2 33	2 11	21 36	0 3	11 53	0 47	22 24	0 59	18 15	18 4	14 55	15 51	6 23
S 11	19 25	14 1	4 50	24 44	2 18	9 19	0n 6	23 14	1 29	22 7	0 36	2 31	2 12	21 35	0 3	11 53	0 47	22 24	0 59	18 19	18 5	14 57	15 51	6 23
S 12	19 39	16 52	4 28	24 57	2 20	9 11	0 18	23 6	1 28	22 5	0 36	2 30	2 12	21 35	0 3	11 53	0 47	22 24	0 59	18 22	18 6	14 59	15 51	6 22
M13	19 53	19 2	3 53	25 8	2 21	9 5	0 30	22 58	1 28	22 3	0 36	2 28	2 12	21 35	0 3	11 53	0 47	22 24	0 59	18 25	18 6	15 0	15 51	6 22
T 14	20 6	20 23	3 9	25 18	2 22	9 0	0 41	22 49	1 27	22 1	0 36	2 26	2 12	21 34	0 3	11 53	0 47	22 24	0 59	18 28	18 7	15 2	15 51	6 22
W15	20 19	20 50	2 15	25 26	2 23	8 57	0 51	22 40	1 27	21 59	0 36	2 24	2 13	21 34	0 3	11 53	0 47	22 24	0 59	18 29	18 8	15 4	15 51	6 21
T 16	20 32	20 19	1 15	25 33	2 23	8 54	1 1	22 31	1 26	21 57	0 36	2 23	2 13	21 33	0 3	11 53	0 47	22 24	0 59	18 30	18 9	15 6	15 50	6 21
F 17	20 44	18 51	0 11	25 38	2 23	8 52	1 11	22 22	1 26	21 55	0 36	2 21	2 13	21 33	0 3	11 53	0 47	22 24	0 59	18 30	18 10	15 7	15 50	6 21
S 18	20 56	16 27	0s55	25 42	2 22	8 52	1 21	22 13	1 25	21 53	0 36	2 20	2 13	21 33	0 3	11 53	0 47	22 24	0 58	18 30	18 11	15 9	15 50	6 20
S 19	21 7	13 12	2 1	25 44	2 20	8 52	1 30	22 3	1 25	21 51	0 36	2 18	2 13	21 32	0 3	11 52	0 47	22 24	0 58	18 30	18 11	15 11	15 50	6 20
M20	21 18	9 12	3 2	25 45	2 18	8 53	1 38	21 53	1 24	21 49	0 36	2 17	2 14	21 32	0 3	11 52	0 47	22 24	0 58	18 30	18 12	15 13	15 49	6 20
T 21	21 29	4 38	3 54	25 44	2 15	8 56	1 46	21 43	1 23	21 47	0 37	2 15	2 14	21 31	0 3	11 52	0 47	22 24	0 58	18 31	18 13	15 14	15 49	6 19
W22	21 39	0n21	4 35	25 42	2 11	8 59	1 54	21 32	1 23	21 45	0 37	2 14	2 14	21 31	0 3	11 52	0 48	22 24	0 58	18 32	18 14	15 16	15 49	6 19
T 23	21 49	5 28	4 59	25 38	2 6	9 3	2 2	21 21	1 22	21 43	0 37	2 12	2 14	21 30	0 3	11 52	0 48	22 24	0 58	18 34	18 15	15 18	15 48	6 19
F 24	21 58	10 23	5 4	25 32	2 0	9 7	2 9	21 10	1 22	21 41	0 37	2 11	2 15	21 30	0 3	11 52	0 48	22 24	0 58	18 36	18 16	15 20	15 48	6 18
S 25	22 7	14 44	4 48	25 25	1 54	9 13	2 16	20 59	1 21	21 39	0 37	2 9	2 15	21 30	0 3	11 52	0 48	22 24	0 58	18 38	18 16	15 21	15 48	6 18
S 26	22 16	18 8	4 11	25 17	1 46	9 19	2 23	20 48	1 21	21 36	0 37	2 8	2 15	21 29	0 3	11 52	0 48	22 24	0 58	18 40	18 17	15 23	15 47	6 18
M27	22 24	20 14	3 16	25 7	1 37	9 26	2 29	20 36	1 20	21 34	0 37	2 7	2 15	21 29	0 3	11 52	0 48	22 24	0 57	18 42	18 18	15 25	15 47	6 18
T 28	22 31	20 52	2 8	24 56	1 27	9 34	2 35	20 25	1 19	21 32	0 37	2 6	2 16	21 28	0 3	11 53	0 48	22 24	0 57	18 43	18 19	15 27	15 47	6 17
W29	22 39	20 5	0 54	24 43	1 15	9 42	2 40	20 13	1 19	21 29	0 37	2 4	2 16	21 28	0 3	11 53	0 48	22 24	0 57	18 44	18 20	15 28	15 46	6 17
T 30	22s45	18n 2	0n22	24s30	1s 3	9s51	2n45	20s 0	1s18	21s27	0s37	2n 3	2n16	21n27	0s 3	11n53	0n48	22s25	0n57	18n44	18n21	15s30	15s46	6n17

Julian Day Number = 2186325.5, Delta T = 11m06s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'48, Lahiri = 13°43'48 Julian Calendar 1 Nov. 1273 == Greg. Calendar 8 Nov. 1273

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ASTRODIENST EPHEMERIS for the year 1273
geocentric

DECEMBER 1273 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 8 36	16♐41'23	24♌ 3	4♑57	3♏22	7♒10	27♑ 9	0♎ 7	6°R36	1°R 4	6♑46	6♌28	7♌56	29♏51	20♑27	F 1
S 2	5 12 33	17°42'31	7♍12	5°R 5	4° 5	7°56	27°22	0°11	6♊34	1♍ 4	6°48	6°29	7°53	29°58	20°32	S 2
S 3	5 16 29	18°43'40	19°57	5° 3	4°49	8°43	27°35	0°14	6°31	1° 4	6°50	6°R30	7°50	0♐ 4	20°36	S 3
M 4	5 20 26	19°44'49	2♎23	4°49	5°34	9°29	27°47	0°17	6°29	1° 4	6°52	6°29	7°46	0°11	20°41	M 4
T 5	5 24 22	20°45'59	14°35	4°24	6°20	10°16	28° 0	0°20	6°26	1° 3	6°54	6°26	7°43	0°18	20°45	T 5
W 6	5 28 19	21°47'10	26°35	3°47	7° 7	11° 2	28°13	0°23	6°24	1° 3	6°56	6°21	7°40	0°24	20°50	W 6
T 7	5 32 15	22°48'21	8♏30	2°58	7°55	11°49	28°26	0°26	6°22	1° 3	6°58	6°14	7°37	0°31	20°55	T 7
F 8	5 36 12	23°49'33	20°21	1°59	8°44	12°35	28°39	0°28	6°19	1° 2	7° 0	6° 6	7°34	0°38	20°59	F 8
S 9	5 40 9	24°50'45	2♐12	0°51	9°34	13°22	28°52	0°31	6°17	1° 2	7° 2	5°57	7°30	0°45	21° 4	S 9
S 10	5 44 5	25°51'58	14° 5	29♐36	10°24	14° 8	29° 5	0°34	6°14	1° 1	7° 4	5°49	7°27	0°51	21° 9	S 10
M11	5 48 2	26°53'11	26° 1	28°17	11°16	14°55	29°18	0°36	6°12	1° 1	7° 6	5°42	7°24	0°58	21°14	M11
T 12	5 51 58	27°54'24	8♑ 1	26°55	12° 8	15°41	29°31	0°38	6°10	1° 0	7° 8	5°37	7°21	1° 5	21°18	T 12
W13	5 55 55	28°55'37	20° 8	25°34	13° 0	16°28	29°44	0°41	6° 7	1° 0	7°10	5°33	7°18	1°11	21°23	W13
T 14	5 59 51	29°56'50	2♒24	24°16	13°54	17°14	29°58	0°43	6° 5	0°59	7°12	5°D32	7°15	1°18	21°28	T 14
F 15	6 3 48	0♑58'03	14°49	23° 4	14°48	18° 1	0♒11	0°45	6° 3	0°59	7°14	5°33	7°11	1°25	21°33	F 15
S 16	6 7 44	1°59'16	27°26	21°59	15°43	18°47	0°24	0°47	6° 1	0°58	7°16	5°34	7° 8	1°32	21°38	S 16
S 17	6 11 41	3° 0'28	10♓19	21° 3	16°38	19°34	0°38	0°48	5°58	0°57	7°18	5°36	7° 5	1°38	21°43	S 17
M18	6 15 38	4° 1'40	23°31	20°16	17°34	20°20	0°51	0°50	5°56	0°57	7°20	5°37	7° 2	1°45	21°48	M18
T 19	6 19 34	5° 2'52	7♈ 3	19°40	18°31	21° 7	1° 5	0°52	5°54	0°56	7°22	5°R37	6°59	1°52	21°53	T 19
W20	6 23 31	6° 4'03	20°57	19°14	19°28	21°53	1°19	0°53	5°52	0°55	7°24	5°37	6°56	1°58	21°58	W20
T 21	6 27 27	7° 5'13	5♉14	18°57	20°25	22°40	1°32	0°55	5°50	0°54	7°26	5°34	6°52	2° 5	22° 3	T 21
F 22	6 31 24	8° 6'23	19°52	18°D50	21°23	23°26	1°46	0°56	5°48	0°53	7°29	5°31	6°49	2°12	22° 8	F 22
S 23	6 35 20	9° 7'33	4♊44	18°52	22°22	24°13	2° 0	0°57	5°46	0°52	7°31	5°27	6°46	2°18	22°13	S 23
S 24	6 39 17	10° 8'42	19°45	19° 3	23°21	24°59	2°13	0°58	5°44	0°52	7°33	5°23	6°43	2°25	22°18	S 24
M25	6 43 13	11° 9'51	4♋46	19°20	24°21	25°45	2°27	0°59	5°42	0°51	7°35	5°20	6°40	2°32	22°23	M25
T 26	6 47 10	12°10'59	19°36	19°45	25°21	26°32	2°41	1° 0	5°40	0°50	7°37	5°18	6°36	2°39	22°28	T 26
W27	6 51 7	13°12'07	4♌10	20°16	26°21	27°18	2°55	1° 1	5°38	0°49	7°39	5°D18	6°33	2°45	22°33	W27
T 28	6 55 3	14°13'14	18°20	20°53	27°22	28° 4	3° 9	1° 1	5°36	0°48	7°41	5°18	6°30	2°52	22°38	T 28
F 29	6 59 0	15°14'21	2♍ 4	21°35	28°23	28°51	3°23	1° 2	5°34	0°47	7°43	5°19	6°27	2°59	22°43	F 29
S 30	7 2 56	16°15'28	15°22	22°22	29°25	29°37	3°37	1° 2	5°33	0°46	7°45	5°21	6°24	3° 5	22°48	S 30
S 31	7 6 53	17♑16'34	28♍15	23♐13	0♐27	0♓23	3♒51	1♎ 2	5♊31	0♍45	7♑47	5♌22	6♌21	3♐12	22♑53	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s52	15n 1	1n33	24s15	0s49	10s 1	2n50	19s48	1s17	21s25	0s37	2n 2	2n16	21n27	0s 3	11n53	0n48	22s25	0n57	18n44	18n21	15s32	15s46	6n17	F 1
S 2	22 58	11 20	2 38	23 59	0 33	10 11	2 55	19 35	1 17	21 22	0 37	2 1	2 17	21 27	0 3	11 53	0 48	22 25	0 57	18 43	18 22	15 33	15 45	6 16	S 2
S 3	23 3	7 15	3 33	23 43	0 17	10 22	2 59	19 23	1 16	21 20	0 37	2 0	2 17	21 26	0 3	11 53	0 48	22 25	0 57	18 43	18 23	15 35	15 45	6 16	S 3
M 4	23 8	2 57	4 16	23 26	0n 1	10 33	3 3	19 10	1 15	21 17	0 37	1 59	2 17	21 26	0 3	11 53	0 48	22 25	0 57	18 44	18 24	15 37	15 44	6 16	M 4
T 5	23 13	1s22	4 46	23 8	0 20	10 44	3 7	18 56	1 15	21 15	0 37	1 58	2 18	21 25	0 3	11 53	0 48	22 25	0 57	18 44	18 25	15 39	15 44	6 16	T 5
W 6	23 17	5 34	5 4	22 50	0 39	10 56	3 11	18 43	1 14	21 12	0 37	1 57	2 18	21 25	0 3	11 53	0 48	22 25	0 57	18 46	18 25	15 40	15 43	6 16	W 6
T 7	23 20	9 32	5 8	22 31	0 59	11 9	3 14	18 29	1 14	21 9	0 37	1 56	2 18	21 25	0 3	11 54	0 48	22 25	0 56	18 47	18 26	15 42	15 43	6 15	T 7
F 8	23 23	13 6	4 59	22 12	1 19	11 22	3 17	18 16	1 13	21 7	0 37	1 56	2 18	21 24	0 3	11 54	0 48	22 24	0 56	18 49	18 27	15 44	15 42	6 15	F 8
S 9	23 26	16 9	4 37	21 53	1 38	11 35	3 19	18 2	1 12	21 4	0 37	1 55	2 19	21 24	0 3	11 54	0 48	22 24	0 56	18 51	18 28	15 45	15 42	6 15	S 9
S 10	23 28	18 33	4 3	21 35	1 57	11 48	3 22	17 47	1 12	21 2	0 37	1 54	2 19	21 23	0 3	11 54	0 48	22 24	0 56	18 53	18 29	15 47	15 41	6 15	S 10
M11	23 30	20 10	3 18	21 17	2 14	12 2	3 24	17 33	1 11	20 59	0 37	1 53	2 19	21 23	0 3	11 54	0 48	22 24	0 56	18 55	18 30	15 49	15 41	6 15	M11
T 12	23 31	20 53	2 24	21 0	2 30	12 16	3 26	17 19	1 10	20 56	0 37	1 53	2 19	21 23	0 3	11 55	0 48	22 24	0 56	18 56	18 30	15 50	15 40	6 14	T 12
W13	23 32	20 39	1 23	20 44	2 43	12 30	3 28	17 4	1 9	20 53	0 37	1 52	2 20	21 22	0 3	11 55	0 48	22 24	0 56	18 57	18 31	15 52	15 40	6 14	W13
T 14	23 32	19 25	0 17	20 30	2 54	12 44	3 30	16 49	1 9	20 51	0 37	1 51	2 20	21 22	0 3	11 55	0 48	22 24	0 56	18 58	18 32	15 54	15 39	6 14	T 14
F 15	23 32	17 15	0s50	20 18	3 3	12 59	3 31	16 34	1 8	20 48	0 37	1 51	2 20	21 21	0 3	11 55	0 48	22 24	0 56	18 57	18 33	15 55	15 38	6 14	F 15
S 16	23 31	14 14	1 57	20 9	3 9	13 13	3 32	16 19	1 7	20 45	0 37	1 50	2 21	21 21	0 3	11 56	0 48	22 24	0 56	18 57	18 34	15 57	15 38	6 14	S 16
S 17	23 30	10 29	2 59	20 1	3 13	13 28	3 33	16 4	1 7	20 42	0 37	1 50	2 21	21 21	0 3	11 56	0 48	22 24	0 55	18 57	18 34	15 59	15 37	6 14	S 17
M18	23 28	6 9	3 53	19 57	3 14	13 43	3 34	15 48	1 6	20 39	0 37	1 49	2 21	21 20	0 3	11 56	0 48	22 24	0 55	18 56	18 35	16 1	15 37	6 14	M18
T 19	23 26	1 24	4 35	19 54	3 14	13 58	3 34	15 33	1 5	20 36	0 37	1 49	2 21	21 20	0 3	11 56	0 48	22 24	0 55	18 56	18 36	16 2	15 36	6 13	T 19
W20	23 24	3n31	5 3	19 55	3 12	14 13	3 35	15 17	1 5	20 33	0 37	1 49	2 22	21 20	0 3	11 57	0 49	22 24	0 55	18 56	18 37	16 4	15 35	6 13	W20
T 21	23 20	8 23	5 13	19 57	3 8	14 28	3 35	15 1	1 4	20 30	0 37	1 48	2 22	21 19	0 3	11 57	0 49	22 24	0 55	18 57	18 38	16 6	15 35	6 13	T 21
F 22	23 17	12 54	5 4	20 1	3 3	14 43	3 35	14 45	1 3	20 27	0 37	1 48	2 22	21 19	0 3	11 57	0 49	22 24	0 55	18 58	18 38	16 7	15 34	6 13	F 22
S 23	23 13	16 41	4 34	20 8	2 57	14 58	3 35	14 29	1 2	20 24	0 38	1 48	2 23	21 19	0 2	11 58	0 49	22 24	0 55	18 59	18 39	16 9	15 33	6 13	S 23
S 24	23 9	19 24	3 45	20 15	2 50	15 13	3 35	14 13	1 2	20 21	0 38	1 48	2 23	21 18	0 2	11 58	0 49	22 24	0 55	19 0	18 40	16 11	15 33	6 13	S 24
M25	23 4	20 47	2 40	20 24	2 42	15 28	3 34	13 56	1 1	20 18	0 38	1 48	2 23	21 18	0 2	11 58	0 49	22 24	0 55	19 0	18 41	16 12	15 32	6 13	M25
T 26	22 58	20 41	1 25	20 35	2 34	15 43	3 34	13 40	1 0	20 15	0 38	1 48	2 23	21 18	0 2	11 59	0 49	22 24	0 55	19 1	18 42	16 14	15 31	6 13	T 26
W27	22 52	19 11	0 6	20 46	2 25	15 58	3 33	13 23	1 0	20 12	0 38	1 48	2 24	21 17	0 2	11 59	0 49	22 24	0 55	19 1	18 42	16 16	15 30	6 13	W27
T 28	22 46	16 31	1n11	20 57	2 16	16 13	3 32	13 7	0 59	20 8	0 38	1 48	2 24	21 17	0 2	12 0	0 49	22 24	0 54	19 1	18 43	16 17	15 30	6 13	T 28
F 29	22 39	13 0	2 22	21 9	2 7	16 27	3 31	12 50	0 58	20 5	0 38	1 48	2 24	21 17	0 2	12 0	0 49	22 24	0 54	19 1	18 44	16 19	15 29	6 13	F 29
S 30	22 32	8 55	3 23	21 21	1 57	16 42	3 29	12 33	0 57	20 2	0 38	1 48	2 25	21 16	0 2	12 0	0 49	22 24	0 54	19 0	18 45	16 20	15 28	6 13	S 30
S 31	22s25	4n33	4n12	21s34	1n48	16s56	3n28	12s16	0s57	19s59	0s38	1n48	2n25	21n16	0s 2	12n 1	0n49	22s24	0n54	19n 0	18n46	16s22	15s27	6n13	S 31

Julian Day Number = 2186355.5, Delta T = 11m06s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'52, Lahiri = 13°43'52 Julian Calendar 1 Dec. 1273 == Greg. Calendar 8 Dec. 1273

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

JANUARY 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 10 49	18♑17'40	10♎47	24♐ 7	1♐29	1♓10	4♒ 5	1♎ 3	5°R29	0°R43	7♑49	5♌23	6♌17	3♐19	22♑58	M 1
T 2	7 14 46	19°18'45	23° 2	25° 5	2°32	1°56	4°19	1°R 3	5♊28	0♍42	7°51	5°R23	6°14	3°26	23° 3	T 2
W 3	7 18 42	20°19'50	5♏ 4	26° 6	3°35	2°42	4°33	1° 3	5°26	0°41	7°53	5°23	6°11	3°32	23° 8	W 3
T 4	7 22 39	21°20'55	16°58	27° 9	4°39	3°28	4°47	1° 3	5°24	0°40	7°55	5°21	6° 8	3°39	23°14	T 4
F 5	7 26 36	22°21'59	28°49	28°16	5°42	4°14	5° 1	1° 2	5°23	0°39	7°57	5°20	6° 5	3°46	23°19	F 5
S 6	7 30 32	23°23'03	10♐40	29°24	6°46	5° 1	5°16	1° 2	5°21	0°37	7°59	5°18	6° 2	3°52	23°24	S 6
S 7	7 34 29	24°24'06	22°34	0♑34	7°51	5°47	5°30	1° 2	5°20	0°36	8° 1	5°16	5°58	3°59	23°29	S 7
M 8	7 38 25	25°25'08	4♑36	1°47	8°55	6°33	5°44	1° 1	5°19	0°35	8° 3	5°14	5°55	4° 6	23°34	M 8
T 9	7 42 22	26°26'10	16°46	3° 1	10° 0	7°19	5°58	1° 0	5°17	0°34	8° 5	5°13	5°52	4°13	23°39	T 9
W10	7 46 18	27°27'10	29° 6	4°16	11° 5	8° 5	6°13	1° 0	5°16	0°32	8° 7	5°D13	5°49	4°19	23°44	W10
T 11	7 50 15	28°28'10	11♒38	5°34	12°10	8°51	6°27	0°59	5°15	0°31	8° 9	5°13	5°46	4°26	23°49	T 11
F 12	7 54 11	29°29'08	24°23	6°52	13°16	9°37	6°41	0°58	5°13	0°30	8°11	5°13	5°42	4°33	23°54	F 12
S 13	7 58 8	0♒30'05	7♓20	8°12	14°22	10°23	6°55	0°57	5°12	0°28	8°13	5°14	5°39	4°39	23°59	S 13
S 14	8 2 5	1°31'01	20°30	9°33	15°28	11° 9	7°10	0°56	5°11	0°27	8°15	5°14	5°36	4°46	24° 4	S 14
M15	8 6 1	2°31'55	3♈55	10°55	16°34	11°55	7°24	0°54	5°10	0°25	8°17	5°15	5°33	4°53	24°10	M15
T 16	8 9 58	3°32'48	17°33	12°18	17°40	12°41	7°38	0°53	5° 9	0°24	8°19	5°15	5°30	4°59	24°15	T 16
W17	8 13 54	4°33'40	1♉26	13°43	18°47	13°27	7°53	0°51	5° 8	0°22	8°21	5°15	5°27	5° 6	24°20	W17
T 18	8 17 51	5°34'30	15°32	15° 8	19°54	14°13	8° 7	0°50	5° 7	0°21	8°22	5°15	5°23	5°13	24°25	T 18
F 19	8 21 47	6°35'19	29°50	16°34	21° 1	14°59	8°21	0°48	5° 6	0°19	8°24	5°15	5°20	5°20	24°30	F 19
S 20	8 25 44	7°36'06	14♊17	18° 1	22° 8	15°44	8°36	0°46	5° 6	0°18	8°26	5°15	5°17	5°26	24°35	S 20
S 21	8 29 40	8°36'52	28°49	19°29	23°15	16°30	8°50	0°44	5° 5	0°16	8°28	5°15	5°14	5°33	24°40	S 21
M22	8 33 37	9°37'36	13♋22	20°58	24°23	17°16	9° 4	0°42	5° 4	0°15	8°30	5°16	5°11	5°40	24°45	M22
T 23	8 37 34	10°38'18	27°49	22°28	25°30	18° 2	9°19	0°40	5° 3	0°13	8°32	5°16	5° 8	5°46	24°50	T 23
W24	8 41 30	11°38'59	12♌ 6	23°59	26°38	18°47	9°33	0°38	5° 3	0°12	8°33	5°R16	5° 4	5°53	24°54	W24
T 25	8 45 27	12°39'39	26° 6	25°31	27°46	19°33	9°48	0°36	5° 2	0°10	8°35	5°16	5° 1	6° 0	24°59	T 25
F 26	8 49 23	13°40'17	9♍46	27° 3	28°54	20°18	10° 2	0°33	5° 2	0° 9	8°37	5°15	4°58	6° 7	25° 4	F 26
S 27	8 53 20	14°40'53	23° 5	28°37	0♑ 3	21° 4	10°16	0°31	5° 1	0° 7	8°39	5°14	4°55	6°13	25° 9	S 27
S 28	8 57 16	15°41'29	6♎ 2	0♒11	1°11	21°49	10°31	0°28	5° 1	0° 5	8°40	5°12	4°52	6°20	25°14	S 28
M29	9 1 13	16°42'03	18°39	1°46	2°20	22°35	10°45	0°26	5° 0	0° 4	8°42	5°11	4°48	6°27	25°19	M29
T 30	9 5 9	17°42'36	0♏58	3°22	3°28	23°20	10°59	0°23	5° 0	0° 2	8°44	5°10	4°45	6°33	25°24	T 30
W31	9 9 6	18♒43'07	13♏ 3	4♒59	4♑37	24♓ 6	11♒14	0♎20	5♊ 0	0♍ 1	8♑46	5♌ 9	4♌42	6♐40	25♑28	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚷			
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s17	0n 7	4n48	21s46	1n38	17s10	3n27	11s58	0s56	19s56	0s38	1n48	2n25	21n16	0s 2	12n 1	0n49	22s24	0n54	19n 0	18n46	16s24	15s27	6n13
T 2	22 8	4s12	5 9	21 58	1 29	17 24	3 25	11 41	0 55	19 52	0 38	1 48	2 25	21 15	0 2	12 2	0 49	22 24	0 54	19 0	18 47	16 25	15 26	6 13
W 3	21 59	8 18	5 16	22 9	1 19	17 38	3 23	11 24	0 54	19 49	0 38	1 49	2 26	21 15	0 2	12 2	0 49	22 24	0 54	19 0	18 48	16 27	15 25	6 12
T 4	21 50	12 1	5 10	22 21	1 9	17 51	3 21	11 6	0 54	19 46	0 38	1 49	2 26	21 15	0 2	12 3	0 49	22 24	0 54	19 0	18 49	16 29	15 24	6 12
F 5	21 40	15 15	4 50	22 31	1 0	18 4	3 19	10 49	0 53	19 42	0 38	1 49	2 26	21 15	0 2	12 3	0 49	22 24	0 54	19 1	18 50	16 30	15 23	6 12
S 6	21 30	17 52	4 18	22 41	0 51	18 17	3 17	10 31	0 52	19 39	0 38	1 50	2 27	21 14	0 2	12 4	0 49	22 24	0 54	19 1	18 50	16 32	15 23	6 12
S 7	21 19	19 45	3 35	22 50	0 41	18 30	3 15	10 13	0 51	19 35	0 38	1 50	2 27	21 14	0 2	12 4	0 49	22 24	0 54	19 2	18 51	16 34	15 22	6 12
M 8	21 8	20 45	2 42	22 59	0 32	18 42	3 13	9 56	0 51	19 32	0 38	1 51	2 27	21 14	0 2	12 4	0 49	22 24	0 53	19 2	18 52	16 35	15 21	6 13
T 9	20 57	20 49	1 41	23 6	0 23	18 54	3 10	9 38	0 50	19 28	0 39	1 51	2 27	21 14	0 2	12 5	0 49	22 24	0 53	19 2	18 53	16 37	15 20	6 13
W10	20 45	19 52	0 34	23 13	0 15	19 6	3 8	9 20	0 49	19 25	0 39	1 52	2 28	21 13	0 2	12 5	0 49	22 24	0 53	19 2	18 53	16 38	15 19	6 13
T 11	20 33	17 56	0s36	23 19	0 6	19 17	3 5	9 2	0 48	19 21	0 39	1 52	2 28	21 13	0 2	12 6	0 49	22 24	0 53	19 2	18 54	16 40	15 18	6 13
F 12	20 20	15 5	1 44	23 23	0s 2	19 28	3 2	8 44	0 48	19 18	0 39	1 53	2 28	21 13	0 2	12 6	0 49	22 24	0 53	19 2	18 55	16 42	15 17	6 13
S 13	20 7	11 28	2 49	23 27	0 10	19 38	2 59	8 26	0 47	19 14	0 39	1 54	2 29	21 13	0 2	12 7	0 49	22 24	0 53	19 2	18 56	16 43	15 16	6 13
S 14	19 54	7 14	3 46	23 30	0 18	19 49	2 57	8 7	0 46	19 11	0 39	1 54	2 29	21 13	0 2	12 8	0 49	22 24	0 53	19 2	18 57	16 45	15 16	6 13
M15	19 40	2 35	4 31	23 31	0 26	19 58	2 54	7 49	0 45	19 7	0 39	1 55	2 29	21 12	0 2	12 8	0 49	22 24	0 53	19 2	18 57	16 47	15 15	6 13
T 16	19 26	2n15	5 3	23 31	0 34	20 8	2 50	7 31	0 45	19 4	0 39	1 56	2 29	21 12	0 2	12 9	0 49	22 24	0 53	19 2	18 58	16 48	15 14	6 13
W17	19 12	7 4	5 17	23 30	0 41	20 17	2 47	7 12	0 44	19 0	0 39	1 57	2 30	21 12	0 2	12 9	0 49	22 23	0 53	19 2	18 59	16 50	15 13	6 13
T 18	18 57	11 34	5 12	23 28	0 48	20 25	2 44	6 54	0 43	18 56	0 39	1 58	2 30	21 12	0 2	12 10	0 49	22 23	0 53	19 2	19 0	16 51	15 12	6 13
F 19	18 42	15 29	4 49	23 24	0 55	20 33	2 41	6 36	0 42	18 53	0 39	1 59	2 30	21 12	0 2	12 10	0 49	22 23	0 53	19 2	19 0	16 53	15 11	6 13
S 20	18 26	18 31	4 7	23 20	1 1	20 41	2 38	6 17	0 42	18 49	0 39	1 59	2 30	21 12	0 2	12 11	0 49	22 23	0 52	19 2	19 1	16 55	15 10	6 13
S 21	18 11	20 23	3 9	23 13	1 8	20 48	2 34	5 58	0 41	18 45	0 39	2 0	2 31	21 12	0 2	12 11	0 49	22 23	0 52	19 2	19 2	16 56	15 9	6 13
M22	17 55	20 53	1 59	23 6	1 14	20 54	2 31	5 40	0 40	18 41	0 40	2 2	2 31	21 11	0 2	12 12	0 49	22 23	0 52	19 2	19 3	16 58	15 8	6 13
T 23	17 38	20 0	0 41	22 57	1 19	21 0	2 27	5 21	0 39	18 38	0 40	2 3	2 31	21 11	0 2	12 12	0 49	22 23	0 52	19 2	19 4	16 59	15 7	6 14
W24	17 21	17 50	0n38	22 47	1 25	21 6	2 24	5 3	0 39	18 34	0 40	2 4	2 31	21 11	0 2	12 13	0 49	22 23	0 52	19 2	19 4	17 1	15 6	6 14
T 25	17 4	14 38	1 53	22 36	1 30	21 11	2 20	4 44	0 38	18 30	0 40	2 5	2 32	21 11	0 2	12 14	0 50	22 23	0 52	19 2	19 5	17 3	15 5	6 14
F 26	16 47	10 43	3 0	22 23	1 35	21 15	2 16	4 25	0 37	18 26	0 40	2 6	2 32	21 11	0 2	12 14	0 50	22 23	0 52	19 2	19 6	17 4	15 4	6 14
S 27	16 30	6 21	3 55	22 8	1 39	21 19	2 13	4 7	0 36	18 23	0 40	2 7	2 32	21 11	0 2	12 15	0 50	22 23	0 52	19 2	19 7	17 6	15 3	6 14
S 28	16 12	1 50	4 37	21 52	1 43	21 23	2 9	3 48	0 36	18 19	0 40	2 8	2 32	21 11	0 2	12 15	0 50	22 23	0 52	19 2	19 7	17 7	15 2	6 14
M29	15 53	2s39	5 4	21 35	1 47	21 26	2 5	3 29	0 35	18 15	0 40	2 10	2 33	21 11	0 2	12 16	0 50	22 23	0 52	19 3	19 8	17 9	15 1	6 14
T 30	15 35	6 55	5 16	21 16	1 51	21 28	2 1	3 11	0 34	18 11	0 40	2 11	2 33	21 11	0 2	12 17	0 50	22 23	0 52	19 3	19 9	17 10	15 0	6 15
W31	15s16	10s50	5n14	20s56	1s54	21s30	1n57	2s52	0s33	18s 7	0s40	2n12	2n33	21n11	0s 2	12n17	0n50	22s23	0n52	19n 3	19n10	17s12	14s59	6n15

Julian Day Number = 2186386.5, Delta T = 11m05s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°36'56, Lahiri = 13°43'56 Julian Calendar 1 Jan. 1274 == Greg. Calendar 8 Jan. 1274

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

FEBRUARY 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 13 3	19♒43'37	24♏59	6♒37	5♑46	24♓51	11♒28	0°R17	5°R 0	29°R59	8♑47	5°D 9	4♌39	6♐47	25♑33	T 1
F 2	9 16 59	20°44'06	6♐50	8°16	6°55	25°36	11°42	0♎14	5♊ 0	29♌57	8°49	5♌10	4°36	6°53	25°38	F 2
S 3	9 20 56	21°44'34	18°42	9°56	8° 5	26°22	11°56	0°11	5° 0	29°56	8°50	5°11	4°33	7° 0	25°43	S 3
S 4	9 24 52	22°45'00	0♑38	11°36	9°14	27° 7	12°11	0° 8	4°D59	29°54	8°52	5°12	4°29	7° 7	25°47	S 4
M 5	9 28 49	23°45'24	12°44	13°18	10°23	27°52	12°25	0° 5	5° 0	29°52	8°54	5°14	4°26	7°14	25°52	M 5
T 6	9 32 45	24°45'47	25° 1	15° 0	11°33	28°37	12°39	0° 2	5° 0	29°51	8°55	5°15	4°23	7°20	25°57	T 6
W 7	9 36 42	25°46'09	7♒34	16°44	12°42	29°23	12°53	29♍58	5° 0	29°49	8°57	5°R15	4°20	7°27	26° 1	W 7
T 8	9 40 38	26°46'29	20°24	18°29	13°52	0♈ 8	13° 7	29°55	5° 0	29°47	8°58	5°15	4°17	7°34	26° 6	T 8
F 9	9 44 35	27°46'46	3♓30	20°14	15° 2	0°53	13°22	29°51	5° 0	29°46	9° 0	5°13	4°13	7°40	26°10	F 9
S 10	9 48 32	28°47'03	16°52	22° 1	16°12	1°38	13°36	29°48	5° 0	29°44	9° 1	5°10	4°10	7°47	26°15	S 10
S 11	9 52 28	29°47'17	0♈29	23°48	17°22	2°23	13°50	29°44	5° 1	29°42	9° 3	5° 6	4° 7	7°54	26°19	S 11
M12	9 56 25	0♓47'29	14°19	25°37	18°32	3° 8	14° 4	29°40	5° 1	29°41	9° 4	5° 2	4° 4	8° 0	26°24	M12
T 13	10 0 21	1°47'39	28°17	27°27	19°42	3°52	14°18	29°36	5° 2	29°39	9° 6	4°59	4° 1	8° 7	26°28	T 13
W14	10 4 18	2°47'47	12♉22	29°18	20°52	4°37	14°32	29°32	5° 2	29°37	9° 7	4°56	3°58	8°14	26°32	W14
T 15	10 8 14	3°47'53	26°30	1♈ 9	22° 3	5°22	14°46	29°28	5° 3	29°36	9° 8	4°55	3°54	8°21	26°37	T 15
F 16	10 12 11	4°47'56	10♊40	3° 2	23°13	6° 7	15° 0	29°25	5° 3	29°34	9°10	4°D54	3°51	8°27	26°41	F 16
S 17	10 16 7	5°47'58	24°50	4°56	24°23	6°52	15°14	29°20	5° 4	29°32	9°11	4°55	3°48	8°34	26°45	S 17
S 18	10 20 4	6°47'57	8♋59	6°51	25°34	7°36	15°28	29°16	5° 5	29°31	9°12	4°57	3°45	8°41	26°49	S 18
M19	10 24 1	7°47'54	23° 3	8°46	26°45	8°21	15°42	29°12	5° 5	29°29	9°13	4°58	3°42	8°47	26°54	M19
T 20	10 27 57	8°47'49	7♌ 1	10°43	27°55	9° 5	15°55	29° 8	5° 6	29°27	9°15	4°R59	3°39	8°54	26°58	T 20
W21	10 31 54	9°47'42	20°50	12°40	29° 6	9°50	16° 9	29° 4	5° 7	29°26	9°16	4°58	3°35	9° 1	27° 2	W21
T 22	10 35 50	10°47'32	4♍28	14°38	0♒17	10°34	16°23	29° 0	5° 8	29°24	9°17	4°55	3°32	9° 7	27° 6	T 22
F 23	10 39 47	11°47'20	17°52	16°36	1°27	11°19	16°37	28°55	5° 9	29°22	9°18	4°50	3°29	9°14	27°10	F 23
S 24	10 43 43	12°47'07	1♎ 0	18°35	2°38	12° 3	16°50	28°51	5°10	29°21	9°19	4°44	3°26	9°21	27°14	S 24
S 25	10 47 40	13°46'51	13°52	20°34	3°49	12°48	17° 4	28°46	5°11	29°19	9°21	4°37	3°23	9°28	27°18	S 25
M26	10 51 36	14°46'34	26°26	22°32	5° 0	13°32	17°17	28°42	5°12	29°18	9°22	4°30	3°19	9°34	27°22	M26
T 27	10 55 33	15°46'15	8♏45	24°31	6°11	14°16	17°31	28°37	5°13	29°16	9°23	4°24	3°16	9°41	27°25	T 27
W28	10 59 29	16♓45'54	20♏51	26♓29	7♒23	15♈ 0	17♒44	28♍33	5♊15	29♌14	9♑24	4♌19	3♌13	9♐48	27♑29	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s57	14s16	4n58	20s35	1s57	21s31	1n53	2s33	0s33	18s 3	0s40	2n14	2n33	21n11	0s 2	12n18	0n50	22s23	0n52	19n 3	19n11	17s14	14s58	6n15
F 2	14 38	17 6	4 30	20 12	2 0	21 32	1 50	2 14	0 32	17 59	0 40	2 15	2 34	21 11	0 2	12 18	0 50	22 23	0 51	19 3	19 11	17 15	14 57	6 15
S 3	14 19	19 14	3 50	19 47	2 2	21 32	1 46	1 56	0 31	17 56	0 41	2 17	2 34	21 11	0 2	12 19	0 50	22 23	0 51	19 3	19 12	17 17	14 56	6 15
S 4	13 59	20 32	3 0	19 21	2 3	21 31	1 42	1 37	0 30	17 52	0 41	2 18	2 34	21 11	0 2	12 20	0 50	22 23	0 51	19 2	19 13	17 18	14 55	6 16
M 5	13 39	20 55	2 1	18 53	2 5	21 30	1 38	1 18	0 30	17 48	0 41	2 20	2 34	21 11	0 2	12 20	0 50	22 23	0 51	19 2	19 14	17 20	14 54	6 16
T 6	13 19	20 17	0 56	18 24	2 6	21 28	1 34	0 59	0 29	17 44	0 41	2 21	2 34	21 11	0 2	12 21	0 50	22 23	0 51	19 2	19 14	17 21	14 53	6 16
W 7	12 59	18 39	0s13	17 53	2 6	21 26	1 30	0 41	0 28	17 40	0 41	2 23	2 35	21 11	0 2	12 21	0 50	22 23	0 51	19 2	19 15	17 23	14 52	6 16
T 8	12 38	16 3	1 23	17 21	2 6	21 23	1 26	0 22	0 27	17 36	0 41	2 24	2 35	21 11	0 2	12 22	0 50	22 23	0 51	19 2	19 16	17 24	14 51	6 16
F 9	12 17	12 35	2 29	16 47	2 6	21 20	1 22	0 3	0 27	17 32	0 41	2 26	2 35	21 11	0 2	12 23	0 50	22 23	0 51	19 2	19 17	17 26	14 50	6 17
S 10	11 57	8 25	3 29	16 12	2 5	21 16	1 18	0n15	0 26	17 28	0 41	2 27	2 35	21 11	0 2	12 23	0 50	22 23	0 51	19 3	19 17	17 28	14 49	6 17
S 11	11 35	3 45	4 18	15 35	2 4	21 11	1 14	0 34	0 25	17 24	0 41	2 29	2 35	21 11	0 2	12 24	0 50	22 23	0 51	19 4	19 18	17 29	14 48	6 17
M12	11 14	1n 9	4 53	14 57	2 2	21 6	1 10	0 52	0 24	17 20	0 42	2 31	2 36	21 11	0 2	12 24	0 50	22 23	0 51	19 5	19 19	17 31	14 47	6 17
T 13	10 53	6 3	5 11	14 17	2 0	21 0	1 6	1 11	0 24	17 16	0 42	2 32	2 36	21 11	0 2	12 25	0 50	22 23	0 51	19 6	19 20	17 32	14 46	6 18
W14	10 31	10 40	5 11	13 36	1 57	20 53	1 2	1 30	0 23	17 12	0 42	2 34	2 36	21 11	0 2	12 26	0 50	22 23	0 51	19 6	19 20	17 34	14 45	6 18
T 15	10 9	14 43	4 52	12 53	1 54	20 46	0 58	1 48	0 22	17 8	0 42	2 36	2 36	21 11	0 2	12 26	0 50	22 23	0 50	19 7	19 21	17 35	14 43	6 18
F 16	9 47	17 56	4 15	12 9	1 50	20 39	0 54	2 7	0 21	17 4	0 42	2 38	2 36	21 12	0 2	12 27	0 50	22 23	0 50	19 7	19 22	17 37	14 42	6 18
S 17	9 25	20 4	3 22	11 23	1 46	20 31	0 50	2 25	0 21	17 0	0 42	2 39	2 37	21 12	0 2	12 27	0 50	22 23	0 50	19 7	19 23	17 38	14 41	6 19
S 18	9 3	20 56	2 17	10 36	1 41	20 22	0 46	2 43	0 20	16 56	0 42	2 41	2 37	21 12	0 2	12 28	0 50	22 23	0 50	19 6	19 23	17 40	14 40	6 19
M19	8 41	20 29	1 5	9 48	1 36	20 12	0 42	3 2	0 19	16 52	0 42	2 43	2 37	21 12	0 2	12 29	0 50	22 23	0 50	19 6	19 24	17 41	14 39	6 19
T 20	8 18	18 46	0n11	8 58	1 30	20 2	0 38	3 20	0 19	16 48	0 42	2 45	2 37	21 12	0 2	12 29	0 50	22 22	0 50	19 6	19 25	17 43	14 38	6 19
W21	7 56	15 57	1 25	8 7	1 23	19 52	0 34	3 38	0 18	16 44	0 43	2 46	2 37	21 12	0 2	12 30	0 50	22 22	0 50	19 6	19 26	17 44	14 37	6 20
T 22	7 33	12 18	2 34	7 15	1 16	19 41	0 30	3 56	0 17	16 40	0 43	2 48	2 37	21 13	0 2	12 30	0 50	22 22	0 50	19 7	19 26	17 46	14 36	6 20
F 23	7 10	8 4	3 32	6 21	1 8	19 29	0 26	4 15	0 16	16 36	0 43	2 50	2 37	21 13	0 2	12 31	0 50	22 22	0 50	19 8	19 27	17 47	14 35	6 20
S 24	6 47	3 33	4 18	5 27	1 0	19 17	0 22	4 33	0 16	16 32	0 43	2 52	2 37	21 13	0 2	12 31	0 50	22 22	0 50	19 9	19 28	17 49	14 34	6 21
S 25	6 24	1s 2	4 50	4 32	0 51	19 4	0 19	4 51	0 15	16 28	0 43	2 54	2 38	21 13	0 2	12 32	0 50	22 22	0 50	19 11	19 29	17 50	14 33	6 21
M26	6 1	5 28	5 7	3 37	0 42	18 51	0 15	5 9	0 14	16 24	0 43	2 56	2 38	21 13	0 2	12 33	0 50	22 22	0 50	19 13	19 29	17 52	14 32	6 21
T 27	5 38	9 36	5 9	2 40	0 32	18 37	0 11	5 26	0 13	16 20	0 43	2 58	2 38	21 14	0 2	12 33	0 50	22 22	0 50	19 14	19 30	17 53	14 31	6 22
W28	5s15	13s16	4n57	1s44	0s21	18s23	0n 7	5n44	0s13	16s16	0s44	3n 0	2n38	21n14	0s 2	12n34	0n50	22s22	0n50	19n15	19n31	17s55	14s30	6n22

Julian Day Number = 2186417.5, Delta T = 11m05s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'00, Lahiri = 13°44'01 Julian Calendar 1 Feb. 1274 == Greg. Calendar 8 Feb. 1274

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

MARCH 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 3 26	17♓45'31	2♐48	28♓26	8♒34	15♈44	17♒58	28°R28	5♊16	29°R13	9♑25	4°R16	3♌10	9♐54	27♑33	T 1
F 2	11 7 23	18°45'07	14°39	0♈22	9°45	16°29	18°11	28♍24	5°17	29♌11	9°26	4°D14	3° 7	10° 1	27°37	F 2
S 3	11 11 19	19°44'40	26°31	2°16	10°56	17°13	18°25	28°19	5°19	29°10	9°27	4♌14	3° 4	10° 8	27°40	S 3
S 4	11 15 16	20°44'12	8♑27	4° 8	12° 8	17°57	18°38	28°15	5°20	29° 8	9°28	4°16	3° 0	10°14	27°44	S 4
M 5	11 19 12	21°43'42	20°33	5°58	13°19	18°41	18°51	28°10	5°22	29° 7	9°28	4°17	2°57	10°21	27°47	M 5
T 6	11 23 9	22°43'10	2♒54	7°45	14°30	19°25	19° 4	28° 5	5°23	29° 5	9°29	4°R18	2°54	10°28	27°51	T 6
W 7	11 27 5	23°42'37	15°34	9°29	15°42	20° 8	19°17	28° 1	5°25	29° 4	9°30	4°17	2°51	10°34	27°54	W 7
T 8	11 31 2	24°42'01	28°36	11° 9	16°53	20°52	19°30	27°56	5°26	29° 2	9°31	4°14	2°48	10°41	27°57	T 8
F 9	11 34 58	25°41'24	12♓ 0	12°44	18° 5	21°36	19°43	27°51	5°28	29° 1	9°32	4° 9	2°45	10°48	28° 1	F 9
S 10	11 38 55	26°40'44	25°45	14°16	19°17	22°20	19°56	27°47	5°30	28°59	9°32	4° 2	2°41	10°55	28° 4	S 10
S 11	11 42 52	27°40'02	9♈49	15°42	20°28	23° 4	20° 9	27°42	5°31	28°58	9°33	3°54	2°38	11° 1	28° 7	S 11
M12	11 46 48	28°39'18	24° 7	17° 3	21°40	23°47	20°22	27°37	5°33	28°56	9°34	3°45	2°35	11° 8	28°10	M12
T 13	11 50 45	29°38'32	8♉33	18°18	22°52	24°31	20°35	27°33	5°35	28°55	9°35	3°36	2°32	11°15	28°13	T 13
W14	11 54 41	0♈37'44	23° 0	19°27	24° 3	25°14	20°47	27°28	5°37	28°54	9°35	3°29	2°29	11°21	28°16	W14
T 15	11 58 38	1°36'53	7♊24	20°31	25°15	25°58	21° 0	27°23	5°39	28°52	9°36	3°25	2°25	11°28	28°19	T 15
F 16	12 2 34	2°36'01	21°41	21°28	26°27	26°41	21°12	27°19	5°41	28°51	9°36	3°22	2°22	11°35	28°22	F 16
S 17	12 6 31	3°35'05	5♋47	22°18	27°39	27°25	21°25	27°14	5°43	28°50	9°37	3°D22	2°19	11°41	28°25	S 17
S 18	12 10 27	4°34'08	19°43	23° 2	28°51	28° 8	21°37	27°10	5°45	28°48	9°37	3°22	2°16	11°48	28°28	S 18
M19	12 14 24	5°33'08	3♌28	23°39	0♓ 2	28°51	21°50	27° 5	5°47	28°47	9°38	3°R23	2°13	11°55	28°31	M19
T 20	12 18 21	6°32'05	17° 3	24° 9	1°14	29°35	22° 2	27° 0	5°49	28°46	9°38	3°22	2°10	12° 1	28°33	T 20
W21	12 22 17	7°31'00	0♍27	24°33	2°26	0♉18	22°14	26°56	5°51	28°44	9°39	3°19	2° 6	12° 8	28°36	W21
T 22	12 26 14	8°29'53	13°40	24°50	3°38	1° 1	22°26	26°51	5°54	28°43	9°39	3°13	2° 3	12°15	28°38	T 22
F 23	12 30 10	9°28'44	26°42	25° 0	4°50	1°44	22°38	26°47	5°56	28°42	9°40	3° 5	2° 0	12°22	28°41	F 23
S 24	12 34 7	10°27'33	9♎33	25°R 3	6° 2	2°27	22°50	26°42	5°58	28°41	9°40	2°54	1°57	12°28	28°43	S 24
S 25	12 38 3	11°26'19	22°10	25° 0	7°14	3°10	23° 2	26°38	6° 1	28°40	9°40	2°42	1°54	12°35	28°46	S 25
M26	12 42 0	12°25'04	4♏36	24°50	8°26	3°53	23°14	26°33	6° 3	28°39	9°40	2°30	1°50	12°42	28°48	M26
T 27	12 45 56	13°23'47	16°49	24°35	9°38	4°36	23°25	26°29	6° 5	28°38	9°41	2°18	1°47	12°48	28°50	T 27
W28	12 49 53	14°22'27	28°52	24°15	10°50	5°19	23°37	26°25	6° 8	28°36	9°41	2° 9	1°44	12°55	28°52	W28
T 29	12 53 50	15°21'07	10♐46	23°49	12° 3	6° 2	23°48	26°20	6°10	28°35	9°41	2° 1	1°41	13° 2	28°55	T 29
F 30	12 57 46	16°19'44	22°37	23°19	13°15	6°45	24° 0	26°16	6°13	28°34	9°41	1°56	1°38	13° 8	28°57	F 30
S 31	13 1 43	17♈18'20	4♑27	22♈46	14♓27	7♉27	24♒11	26♍12	6♊15	28♌33	9♑41	1♌54	1♌35	13♐15	28♑59	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s51	16s21	4n32	0s47	0s10	18s 8	0n 4	6n 2	0s12	16s12	0s44	3n 1	2n38	21n14	0s 2	12n34	0n50	22s22	0n49	19n16	19n32	17s56	14s29	6n22
F 2	4 28	18 44	3 56	0n10	0n 1	17 52	0 0	6 20	0 11	16 8	0 44	3 3	2 38	21 14	0 2	12 35	0 50	22 22	0 49	19 16	19 32	17 58	14 28	6 23
S 3	4 5	20 19	3 10	1 6	0 13	17 37	0s 3	6 37	0 11	16 4	0 44	3 5	2 38	21 15	0 2	12 35	0 50	22 22	0 49	19 16	19 33	17 59	14 27	6 23
S 4	3 41	21 1	2 15	2 2	0 25	17 20	0 7	6 55	0 10	16 0	0 44	3 7	2 38	21 15	0 2	12 36	0 50	22 22	0 49	19 16	19 34	18 1	14 26	6 23
M 5	3 18	20 44	1 14	2 57	0 37	17 3	0 10	7 12	0 9	15 56	0 44	3 9	2 38	21 15	0 2	12 36	0 50	22 22	0 49	19 16	19 34	18 2	14 25	6 24
T 6	2 54	19 28	0 8	3 50	0 49	16 46	0 14	7 30	0 9	15 52	0 44	3 11	2 38	21 15	0 2	12 37	0 50	22 22	0 49	19 16	19 35	18 4	14 24	6 24
W 7	2 30	17 12	1s 0	4 43	1 2	16 28	0 17	7 47	0 8	15 48	0 45	3 13	2 39	21 16	0 2	12 37	0 50	22 22	0 49	19 16	19 36	18 5	14 23	6 25
T 8	2 7	14 0	2 7	5 34	1 14	16 10	0 21	8 4	0 7	15 44	0 45	3 15	2 39	21 16	0 2	12 38	0 50	22 23	0 49	19 16	19 37	18 7	14 22	6 25
F 9	1 43	9 59	3 8	6 23	1 26	15 51	0 24	8 21	0 6	15 40	0 45	3 17	2 39	21 16	0 2	12 39	0 50	22 23	0 49	19 18	19 37	18 8	14 21	6 25
S 10	1 20	5 22	4 0	7 9	1 38	15 32	0 27	8 38	0 6	15 36	0 45	3 19	2 39	21 17	0 2	12 39	0 50	22 23	0 49	19 19	19 38	18 10	14 20	6 26
S 11	0 56	0 22	4 39	7 54	1 50	15 12	0 30	8 55	0 5	15 32	0 45	3 21	2 39	21 17	0 2	12 40	0 50	22 23	0 49	19 21	19 39	18 11	14 19	6 26
M12	0 32	4n43	5 1	8 35	2 2	14 52	0 33	9 12	0 4	15 28	0 45	3 22	2 39	21 17	0 2	12 40	0 50	22 23	0 49	19 23	19 40	18 12	14 18	6 26
T 13	0 9	9 36	5 4	9 14	2 12	14 31	0 36	9 29	0 4	15 24	0 45	3 24	2 39	21 18	0 2	12 41	0 50	22 23	0 49	19 25	19 40	18 14	14 17	6 27
W14	0n15	13 57	4 48	9 50	2 23	14 10	0 39	9 45	0 3	15 20	0 46	3 26	2 39	21 18	0 2	12 41	0 50	22 23	0 49	19 27	19 41	18 15	14 16	6 27
T 15	0 39	17 28	4 14	10 23	2 32	13 49	0 42	10 2	0 2	15 17	0 46	3 28	2 39	21 18	0 2	12 41	0 50	22 23	0 48	19 28	19 42	18 17	14 15	6 28
F 16	1 2	19 53	3 24	10 53	2 41	13 27	0 45	10 18	0 2	15 13	0 46	3 30	2 39	21 19	0 2	12 42	0 50	22 23	0 48	19 29	19 42	18 18	14 14	6 28
S 17	1 26	21 3	2 22	11 19	2 49	13 5	0 48	10 35	0 1	15 9	0 46	3 32	2 39	21 19	0 2	12 42	0 50	22 23	0 48	19 29	19 43	18 20	14 13	6 29
S 18	1 49	20 53	1 12	11 42	2 56	12 43	0 51	10 51	0 0	15 5	0 46	3 34	2 39	21 19	0 2	12 43	0 50	22 23	0 48	19 29	19 44	18 21	14 12	6 29
M19	2 13	19 28	0n 0	12 2	3 2	12 20	0 53	11 7	0n 0	15 1	0 46	3 35	2 39	21 20	0 2	12 43	0 50	22 23	0 48	19 29	19 45	18 23	14 11	6 29
T 20	2 36	16 56	1 12	12 17	3 6	11 57	0 56	11 23	0 1	14 57	0 47	3 37	2 39	21 20	0 2	12 44	0 50	22 23	0 48	19 29	19 45	18 24	14 10	6 30
W21	3 0	13 31	2 19	12 29	3 10	11 33	0 59	11 39	0 2	14 53	0 47	3 39	2 39	21 21	0 2	12 44	0 50	22 23	0 48	19 29	19 46	18 25	14 9	6 30
T 22	3 23	9 29	3 17	12 38	3 12	11 10	1 1	11 55	0 2	14 50	0 47	3 41	2 39	21 21	0 2	12 45	0 50	22 23	0 48	19 31	19 47	18 27	14 8	6 31
F 23	3 46	5 3	4 4	12 42	3 13	10 45	1 3	12 10	0 3	14 46	0 47	3 43	2 39	21 21	0 1	12 45	0 50	22 23	0 48	19 33	19 47	18 28	14 7	6 31
S 24	4 9	0 27	4 38	12 43	3 13	10 21	1 6	12 26	0 4	14 42	0 47	3 44	2 39	21 22	0 1	12 45	0 50	22 23	0 48	19 35	19 48	18 30	14 6	6 32
S 25	4 33	4s 5	4 57	12 40	3 11	9 56	1 8	12 41	0 4	14 38	0 47	3 46	2 39	21 22	0 1	12 46	0 50	22 23	0 48	19 38	19 49	18 31	14 5	6 32
M26	4 56	8 22	5 2	12 34	3 8	9 31	1 10	12 56	0 5	14 35	0 48	3 48	2 39	21 23	0 1	12 46	0 50	22 23	0 48	19 41	19 50	18 33	14 4	6 32
T 27	5 18	12 15	4 52	12 24	3 3	9 6	1 12	13 12	0 6	14 31	0 48	3 50	2 39	21 23	0 1	12 47	0 50	22 23	0 48	19 43	19 50	18 34	14 4	6 33
W28	5 41	15 35	4 30	12 10	2 56	8 41	1 14	13 27	0 6	14 27	0 48	3 51	2 39	21 23	0 1	12 47	0 50	22 23	0 48	19 46	19 51	18 35	14 3	6 33
T 29	6 4	18 15	3 56	11 53	2 49	8 15	1 16	13 42	0 7	14 24	0 48	3 53	2 38	21 24	0 1	12 47	0 50	22 23	0 47	19 47	19 52	18 37	14 2	6 34
F 30	6 27	20 7	3 12	11 34	2 39	7 49	1 18	13 56	0 8	14 20	0 48	3 55	2 38	21 24	0 1	12 48	0 50	22 23	0 47	19 48	19 52	18 38	14 1	6 34
S 31	6n49	21s 7	2n20	11n11	2n29	7s23	1s20	14n11	0n 8	14s17	0s49	3n56	2n38	21n25	0s 1	12n48	0n50	22s23	0n47	19n49	19n53	18s40	14s 0	6n35

Julian Day Number = 2186445.5, Delta T = 11m05s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'04, Lahiri = 13°44'05 Julian Calendar 1 March 1274 == Greg. Calendar 8 March 1274

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

APRIL 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 5 39	18♈16'54	16♉21	22°R 9	15♓39	8♉10	24♒22	26°R 8	6♊18	28°R32	9♉41	1°D53	1♌31	13♐22	29♉ 0	S 1
M 2	13 9 36	19°15'26	28°26	21♈30	16°51	8°53	24°33	26♍ 4	6°21	28♌32	9°42	1°R53	1°28	13°28	29° 2	M 2
T 3	13 13 32	20°13'57	10♒47	20°49	18° 4	9°35	24°44	26° 0	6°23	28°31	9°42	1♌53	1°25	13°35	29° 4	T 3
W 4	13 17 29	21°12'25	23°28	20° 7	19°16	10°18	24°55	25°56	6°26	28°30	9°R42	1°51	1°22	13°42	29° 6	W 4
T 5	13 21 25	22°10'53	6♓33	19°26	20°28	11° 0	25° 6	25°52	6°29	28°29	9°42	1°48	1°19	13°48	29° 7	T 5
F 6	13 25 22	23° 9'18	20° 5	18°45	21°40	11°43	25°17	25°48	6°32	28°28	9°41	1°41	1°16	13°55	29° 9	F 6
S 7	13 29 18	24° 7'42	4♈ 4	18° 5	22°53	12°25	25°28	25°44	6°34	28°27	9°41	1°32	1°12	14° 2	29°10	S 7
S 8	13 33 15	25° 6'04	18°27	17°27	24° 5	13° 8	25°38	25°40	6°37	28°26	9°41	1°21	1° 9	14° 9	29°12	S 8
M 9	13 37 12	26° 4'24	3♉ 8	16°52	25°17	13°50	25°48	25°36	6°40	28°26	9°41	1°10	1° 6	14°15	29°13	M 9
T 10	13 41 8	27° 2'42	17°59	16°21	26°30	14°32	25°59	25°33	6°43	28°25	9°41	0°59	1° 3	14°22	29°14	T 10
W11	13 45 5	28° 0'59	2♊52	15°53	27°42	15°14	26° 9	25°29	6°46	28°24	9°41	0°50	1° 0	14°29	29°16	W11
T 12	13 49 1	28°59'13	17°38	15°28	28°55	15°57	26°19	25°26	6°49	28°24	9°41	0°43	0°56	14°35	29°17	T 12
F 13	13 52 58	29°57'26	2♋10	15° 9	0♈ 7	16°39	26°29	25°22	6°52	28°23	9°40	0°39	0°53	14°42	29°18	F 13
S 14	13 56 54	0♉55'36	16°26	14°53	1°19	17°21	26°39	25°19	6°55	28°22	9°40	0°37	0°50	14°49	29°19	S 14
S 15	14 0 51	1°53'44	0♌22	14°42	2°32	18° 3	26°49	25°16	6°58	28°22	9°40	0°37	0°47	14°55	29°20	S 15
M16	14 4 47	2°51'51	14° 1	14°36	3°44	18°45	26°58	25°12	7° 1	28°21	9°39	0°37	0°44	15° 2	29°21	M16
T 17	14 8 44	3°49'55	27°23	14°D35	4°57	19°27	27° 8	25° 9	7° 4	28°21	9°39	0°36	0°41	15° 9	29°22	T 17
W18	14 12 41	4°47'57	10♍30	14°39	6° 9	20° 9	27°17	25° 6	7° 7	28°20	9°39	0°32	0°37	15°15	29°22	W18
T 19	14 16 37	5°45'58	23°25	14°47	7°22	20°51	27°27	25° 3	7°10	28°20	9°38	0°26	0°34	15°22	29°23	T 19
F 20	14 20 34	6°43'56	6♎ 7	15° 0	8°34	21°32	27°36	25° 0	7°13	28°20	9°38	0°17	0°31	15°29	29°23	F 20
S 21	14 24 30	7°41'53	18°40	15°17	9°47	22°14	27°45	24°57	7°17	28°19	9°37	0° 5	0°28	15°35	29°24	S 21
S 22	14 28 27	8°39'48	1♏ 2	15°39	10°59	22°56	27°54	24°55	7°20	28°19	9°37	29♋52	0°25	15°42	29°24	S 22
M23	14 32 23	9°37'41	13°15	16° 5	12°12	23°38	28° 2	24°52	7°23	28°19	9°36	29°39	0°22	15°49	29°25	M23
T 24	14 36 20	10°35'33	25°19	16°35	13°24	24°19	28°11	24°50	7°26	28°18	9°36	29°26	0°18	15°56	29°25	T 24
W25	14 40 16	11°33'23	7♐16	17°10	14°37	25° 1	28°20	24°47	7°30	28°18	9°35	29°15	0°15	16° 2	29°25	W25
T 26	14 44 13	12°31'12	19° 8	17°48	15°49	25°42	28°28	24°45	7°33	28°18	9°34	29° 7	0°12	16° 9	29°25	T 26
F 27	14 48 10	13°29'00	0♑56	18°30	17° 2	26°24	28°36	24°42	7°36	28°18	9°34	29° 1	0° 9	16°16	29°26	F 27
S 28	14 52 6	14°26'47	12°46	19°16	18°14	27° 5	28°44	24°40	7°39	28°17	9°33	28°58	0° 6	16°22	29°R26	S 28
S 29	14 56 3	15°24'32	24°40	20° 6	19°27	27°47	28°52	24°38	7°43	28°17	9°32	28°D56	0° 2	16°29	29°26	S 29
M30	14 59 59	16♉22'16	6♒44	20♈58	20♈40	28♉28	29♒ 0	24♍36	7♊46	28♌17	9♑32	28♋57	29♋59	16♐36	29♉25	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n12	21s11	1n21	10n46	2n17	6s56	1s22	14n25	0n 9	14s13	0s49	3n58	2n38	21n25	0s 1	12n48	0n50	22s23	0n47	19n49	19n54	18s41	13s59	6n35
M 2	7 34	20 15	0 18	10 19	2 4	6 29	1 23	14 40	0 10	14 9	0 49	3 59	2 38	21 26	0 1	12 49	0 50	22 24	0 47	19 49	19 55	18 42	13 58	6 36
T 3	7 56	18 21	0s47	9 51	1 49	6 3	1 25	14 54	0 10	14 6	0 49	4 1	2 38	21 26	0 1	12 49	0 50	22 24	0 47	19 49	19 55	18 44	13 58	6 36
W 4	8 18	15 30	1 52	9 21	1 34	5 36	1 27	15 8	0 11	14 2	0 49	4 2	2 38	21 27	0 1	12 49	0 50	22 24	0 47	19 49	19 56	18 45	13 57	6 37
T 5	8 40	11 49	2 53	8 51	1 19	5 8	1 28	15 22	0 11	13 59	0 50	4 4	2 38	21 27	0 1	12 49	0 50	22 24	0 47	19 50	19 57	18 46	13 56	6 37
F 6	9 2	7 24	3 46	8 20	1 2	4 41	1 29	15 36	0 12	13 55	0 50	4 5	2 38	21 28	0 1	12 50	0 50	22 24	0 47	19 52	19 57	18 48	13 55	6 38
S 7	9 24	2 28	4 27	7 49	0 46	4 13	1 31	15 49	0 13	13 52	0 50	4 7	2 38	21 28	0 1	12 50	0 50	22 24	0 47	19 54	19 58	18 49	13 55	6 38
S 8	9 45	2n45	4 53	7 19	0 29	3 46	1 32	16 3	0 13	13 49	0 50	4 8	2 38	21 29	0 1	12 50	0 50	22 24	0 47	19 56	19 59	18 51	13 54	6 38
M 9	10 6	7 54	5 0	6 50	0 12	3 18	1 33	16 16	0 14	13 45	0 50	4 10	2 37	21 29	0 1	12 51	0 50	22 24	0 47	19 59	19 59	18 52	13 53	6 39
T 10	10 28	12 39	4 48	6 22	0s 5	2 50	1 34	16 30	0 14	13 42	0 51	4 11	2 37	21 30	0 1	12 51	0 50	22 24	0 47	20 1	20 0	18 53	13 52	6 39
W11	10 49	16 38	4 15	5 56	0 22	2 22	1 35	16 43	0 15	13 39	0 51	4 12	2 37	21 30	0 1	12 51	0 50	22 24	0 47	20 3	20 1	18 55	13 52	6 40
T 12	11 9	19 32	3 26	5 32	0 38	1 54	1 36	16 55	0 16	13 36	0 51	4 14	2 37	21 31	0 1	12 51	0 50	22 24	0 46	20 4	20 2	18 56	13 51	6 40
F 13	11 30	21 7	2 24	5 10	0 54	1 26	1 37	17 8	0 16	13 32	0 51	4 15	2 37	21 31	0 1	12 51	0 50	22 24	0 46	20 5	20 2	18 57	13 50	6 41
S 14	11 50	21 17	1 14	4 50	1 9	0 58	1 37	17 21	0 17	13 29	0 51	4 16	2 37	21 32	0 1	12 52	0 50	22 24	0 46	20 6	20 3	18 59	13 49	6 41
S 15	12 11	20 8	0 1	4 33	1 23	0 29	1 38	17 33	0 17	13 26	0 52	4 17	2 37	21 32	0 1	12 52	0 50	22 25	0 46	20 6	20 4	19 0	13 49	6 42
M16	12 31	17 48	1n10	4 18	1 37	0 1	1 39	17 45	0 18	13 23	0 52	4 18	2 37	21 33	0 1	12 52	0 50	22 25	0 46	20 6	20 4	19 1	13 48	6 42
T 17	12 51	14 34	2 16	4 5	1 49	0n27	1 39	17 58	0 19	13 20	0 52	4 19	2 36	21 33	0 1	12 52	0 50	22 25	0 46	20 6	20 5	19 3	13 48	6 43
W18	13 10	10 39	3 14	3 56	2 1	0 56	1 40	18 9	0 19	13 17	0 52	4 21	2 36	21 34	0 1	12 52	0 50	22 25	0 46	20 7	20 6	19 4	13 47	6 43
T 19	13 30	6 18	4 1	3 49	2 12	1 24	1 40	18 21	0 20	13 14	0 53	4 22	2 36	21 34	0 1	12 52	0 49	22 25	0 46	20 8	20 6	19 5	13 46	6 44
F 20	13 49	1 45	4 34	3 44	2 23	1 53	1 40	18 33	0 20	13 11	0 53	4 23	2 36	21 35	0 1	12 53	0 49	22 25	0 46	20 10	20 7	19 7	13 46	6 44
S 21	14 8	2s48	4 54	3 42	2 32	2 21	1 40	18 44	0 21	13 8	0 53	4 24	2 36	21 35	0 1	12 53	0 49	22 25	0 46	20 13	20 8	19 8	13 45	6 45
S 22	14 27	7 11	5 0	3 43	2 40	2 49	1 41	18 55	0 22	13 5	0 53	4 24	2 36	21 36	0 1	12 53	0 49	22 25	0 46	20 15	20 8	19 9	13 45	6 45
M23	14 45	11 14	4 52	3 46	2 48	3 18	1 41	19 7	0 22	13 2	0 53	4 25	2 35	21 36	0 1	12 53	0 49	22 25	0 46	20 18	20 9	19 11	13 44	6 46
T 24	15 3	14 47	4 31	3 52	2 55	3 46	1 41	19 17	0 23	12 59	0 54	4 26	2 35	21 37	0 1	12 53	0 49	22 26	0 46	20 21	20 10	19 12	13 43	6 46
W25	15 22	17 42	3 58	4 0	3 0	4 14	1 41	19 28	0 23	12 57	0 54	4 27	2 35	21 38	0 1	12 53	0 49	22 26	0 46	20 23	20 11	19 13	13 43	6 47
T 26	15 39	19 51	3 14	4 10	3 5	4 42	1 40	19 39	0 24	12 54	0 54	4 28	2 35	21 38	0 1	12 53	0 49	22 26	0 45	20 25	20 11	19 15	13 42	6 47
F 27	15 57	21 9	2 23	4 22	3 9	5 11	1 40	19 49	0 24	12 51	0 54	4 29	2 35	21 39	0 1	12 53	0 49	22 26	0 45	20 26	20 12	19 16	13 42	6 48
S 28	16 14	21 31	1 25	4 36	3 13	5 39	1 40	19 59	0 25	12 49	0 55	4 29	2 35	21 39	0 1	12 53	0 49	22 26	0 45	20 27	20 13	19 17	13 41	6 48
S 29	16 31	20 54	0 23	4 52	3 15	6 6	1 39	20 9	0 25	12 46	0 55	4 30	2 34	21 40	0 1	12 53	0 49	22 26	0 45	20 27	20 13	19 19	13 41	6 49
M30	16n48	19s20	0s41	5n11	3s17	6n34	1s39	20n19	0n26	12s44	0s55	4n31	2n34	21n40	0s 1	12n53	0n49	22s26	0n45	20n27	20n14	19s20	13s41	6n49

Julian Day Number = 2186476.5, Delta T = 11m05s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'08, Lahiri = 13°44'09 Julian Calendar 1 Apr. 1274 == Greg. Calendar 8 Apr. 1274

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

MAY 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 3 56	17♉19'59	19♒ 2	21♈54	21♈52	29♉ 9	29♒ 8	24°R34	7♊49	28°R17	9°R31	28°R57	29♋56	16♐42	29°R25	T 1
W 2	15 7 52	18°17'40	1♓41	22°54	23° 5	29°51	29°15	24♍32	7°53	28°D17	9♑30	28♋56	29°53	16°49	29♑25	W 2
T 3	15 11 49	19°15'21	14°44	23°56	24°18	0♊32	29°23	24°30	7°56	28♌17	9°29	28°53	29°50	16°56	29°25	T 3
F 4	15 15 45	20°13'01	28°15	25° 1	25°30	1°13	29°30	24°29	8° 0	28°17	9°29	28°49	29°47	17° 2	29°24	F 4
S 5	15 19 42	21°10'39	12♈16	26°10	26°43	1°54	29°37	24°27	8° 3	28°17	9°28	28°41	29°43	17° 9	29°24	S 5
S 6	15 23 39	22° 8'17	26°44	27°21	27°56	2°35	29°44	24°26	8° 7	28°17	9°27	28°33	29°40	17°16	29°23	S 6
M 7	15 27 35	23° 5'53	11♉35	28°35	29° 9	3°16	29°51	24°24	8°10	28°18	9°26	28°23	29°37	17°22	29°23	M 7
T 8	15 31 32	24° 3'28	26°41	29°52	0♉21	3°57	29°58	24°23	8°13	28°18	9°25	28°13	29°34	17°29	29°22	T 8
W 9	15 35 28	25° 1'02	11♊51	1♉11	1°34	4°38	0♓ 4	24°22	8°17	28°18	9°24	28° 6	29°31	17°36	29°21	W 9
T 10	15 39 25	25°58'35	26°56	2°33	2°47	5°19	0°11	24°21	8°20	28°18	9°23	28° 0	29°27	17°42	29°20	T 10
F 11	15 43 21	26°56'07	11♋47	3°58	4° 0	6° 0	0°17	24°20	8°24	28°18	9°22	27°57	29°24	17°49	29°19	F 11
S 12	15 47 18	27°53'37	26°17	5°25	5°12	6°41	0°23	24°19	8°27	28°19	9°21	27°D56	29°21	17°56	29°18	S 12
S 13	15 51 14	28°51'06	10♌23	6°55	6°25	7°22	0°29	24°18	8°31	28°19	9°20	27°56	29°18	18° 2	29°17	S 13
M14	15 55 11	29°48'34	24° 7	8°27	7°38	8° 3	0°34	24°18	8°34	28°19	9°19	27°R57	29°15	18° 9	29°16	M14
T 15	15 59 8	0♊46'00	7♍27	10° 2	8°51	8°43	0°40	24°17	8°38	28°20	9°18	27°57	29°12	18°16	29°15	T 15
W16	16 3 4	1°43'25	20°28	11°40	10° 4	9°24	0°45	24°17	8°42	28°20	9°17	27°55	29° 8	18°22	29°14	W16
T 17	16 7 1	2°40'48	3♎13	13°20	11°16	10° 5	0°51	24°16	8°45	28°21	9°16	27°51	29° 5	18°29	29°13	T 17
F 18	16 10 57	3°38'11	15°43	15° 2	12°29	10°45	0°56	24°16	8°49	28°21	9°15	27°45	29° 2	18°36	29°11	F 18
S 19	16 14 54	4°35'32	28° 2	16°47	13°42	11°26	1° 1	24°16	8°52	28°22	9°14	27°37	28°59	18°43	29°10	S 19
S 20	16 18 50	5°32'52	10♏11	18°34	14°55	12° 7	1° 5	24°D16	8°56	28°22	9°12	27°28	28°56	18°49	29° 8	S 20
M21	16 22 47	6°30'12	22°13	20°24	16° 8	12°47	1°10	24°16	8°59	28°23	9°11	27°18	28°53	18°56	29° 7	M21
T 22	16 26 43	7°27'30	4♐ 9	22°17	17°21	13°28	1°14	24°16	9° 3	28°24	9°10	27° 9	28°49	19° 3	29° 5	T 22
W23	16 30 40	8°24'48	16° 1	24°11	18°34	14° 8	1°18	24°16	9° 6	28°24	9° 9	27° 1	28°46	19° 9	29° 4	W23
T 24	16 34 37	9°22'05	27°51	26° 8	19°46	14°48	1°22	24°16	9°10	28°25	9° 8	26°56	28°43	19°16	29° 2	T 24
F 25	16 38 33	10°19'22	9♑40	28° 7	20°59	15°29	1°26	24°17	9°13	28°26	9° 6	26°52	28°40	19°23	29° 0	F 25
S 26	16 42 30	11°16'38	21°31	0♊ 9	22°12	16° 9	1°30	24°17	9°17	28°26	9° 5	26°D50	28°37	19°29	28°58	S 26
S 27	16 46 26	12°13'53	3♒28	2°12	23°25	16°49	1°33	24°18	9°21	28°27	9° 4	26°50	28°33	19°36	28°56	S 27
M28	16 50 23	13°11'08	15°34	4°17	24°38	17°30	1°37	24°19	9°24	28°28	9° 3	26°51	28°30	19°43	28°54	M28
T 29	16 54 19	14° 8'23	27°53	6°23	25°51	18°10	1°40	24°20	9°28	28°29	9° 1	26°53	28°27	19°49	28°52	T 29
W30	16 58 16	15° 5'37	10♓31	8°32	27° 4	18°50	1°43	24°21	9°31	28°30	9° 0	26°R54	28°24	19°56	28°50	W30
T 31	17 2 12	16♊ 2'51	23♓31	10♊41	28♉17	19♊30	1♓46	24♍22	9♊35	28♌31	8♑59	26♋54	28♋21	20♐ 3	28♑48	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 4	16s50	1s45	5n31	3s18	7n 2	1s38	20n29	0n27	12s41	0s55	4n31	2n34	21n41	0s 1	12n53	0n49	22s26	0n45	20n27	20n15	19s21	13s40	6n50
W 2	17 21	13 29	2 45	5 52	3 18	7 30	1 38	20 38	0 27	12 39	0 56	4 32	2 34	21 41	0 1	12 53	0 49	22 27	0 45	20 27	20 15	19 22	13 40	6 50
T 3	17 36	9 23	3 38	6 16	3 17	7 57	1 37	20 47	0 28	12 36	0 56	4 32	2 34	21 42	0 1	12 53	0 49	22 27	0 45	20 28	20 16	19 24	13 39	6 51
F 4	17 52	4 42	4 22	6 41	3 16	8 24	1 36	20 57	0 28	12 34	0 56	4 33	2 33	21 43	0 1	12 53	0 49	22 27	0 45	20 29	20 17	19 25	13 39	6 51
S 5	18 7	0n24	4 51	7 7	3 14	8 51	1 36	21 5	0 29	12 32	0 56	4 33	2 33	21 43	0 1	12 53	0 49	22 27	0 45	20 30	20 17	19 26	13 39	6 52
S 6	18 22	5 38	5 3	7 35	3 12	9 18	1 35	21 14	0 29	12 30	0 57	4 34	2 33	21 44	0 1	12 53	0 49	22 27	0 45	20 32	20 18	19 28	13 38	6 52
M 7	18 37	10 41	4 55	8 5	3 8	9 45	1 34	21 23	0 30	12 27	0 57	4 34	2 33	21 44	0 1	12 53	0 49	22 27	0 45	20 34	20 19	19 29	13 38	6 53
T 8	18 52	15 9	4 27	8 35	3 4	10 12	1 33	21 31	0 30	12 25	0 57	4 34	2 33	21 45	0 1	12 53	0 49	22 27	0 44	20 36	20 19	19 30	13 38	6 53
W 9	19 6	18 40	3 40	9 7	3 0	10 38	1 32	21 39	0 31	12 23	0 57	4 35	2 32	21 45	0 1	12 53	0 49	22 28	0 44	20 37	20 20	19 31	13 37	6 53
T 10	19 19	20 52	2 38	9 40	2 55	11 4	1 31	21 47	0 31	12 21	0 58	4 35	2 32	21 46	0 1	12 53	0 49	22 28	0 44	20 39	20 21	19 33	13 37	6 54
F 11	19 33	21 36	1 25	10 14	2 49	11 30	1 29	21 55	0 32	12 19	0 58	4 35	2 32	21 46	0 1	12 53	0 49	22 28	0 44	20 39	20 21	19 34	13 37	6 54
S 12	19 46	20 50	0 9	10 49	2 43	11 55	1 28	22 2	0 32	12 17	0 58	4 35	2 32	21 47	0 1	12 52	0 49	22 28	0 44	20 39	20 22	19 35	13 36	6 55
S 13	19 59	18 46	1n 6	11 25	2 36	12 21	1 27	22 10	0 33	12 16	0 59	4 35	2 31	21 48	0 1	12 52	0 49	22 28	0 44	20 39	20 23	19 36	13 36	6 55
M14	20 11	15 40	2 15	12 2	2 29	12 46	1 26	22 17	0 33	12 14	0 59	4 35	2 31	21 48	0 1	12 52	0 49	22 28	0 44	20 39	20 23	19 38	13 36	6 56
T 15	20 23	11 49	3 15	12 39	2 21	13 10	1 24	22 24	0 34	12 12	0 59	4 35	2 31	21 49	0 1	12 52	0 49	22 28	0 44	20 39	20 24	19 39	13 36	6 56
W16	20 35	7 31	4 3	13 17	2 13	13 35	1 23	22 31	0 34	12 10	0 59	4 35	2 31	21 49	0 1	12 52	0 49	22 29	0 44	20 40	20 25	19 40	13 36	6 57
T 17	20 47	2 58	4 38	13 55	2 4	13 59	1 21	22 37	0 35	12 9	1 0	4 35	2 31	21 50	0 1	12 52	0 49	22 29	0 44	20 40	20 25	19 41	13 35	6 57
F 18	20 58	1s36	4 59	14 34	1 55	14 23	1 20	22 44	0 35	12 7	1 0	4 35	2 30	21 50	0 1	12 51	0 49	22 29	0 44	20 42	20 26	19 43	13 35	6 57
S 19	21 8	6 3	5 6	15 14	1 46	14 46	1 18	22 50	0 36	12 6	1 0	4 35	2 30	21 51	0 1	12 51	0 49	22 29	0 44	20 43	20 27	19 44	13 35	6 58
S 20	21 19	10 12	4 58	15 53	1 36	15 10	1 16	22 56	0 36	12 4	1 0	4 35	2 30	21 52	0 1	12 51	0 49	22 29	0 43	20 45	20 27	19 45	13 35	6 58
M21	21 29	13 55	4 38	16 32	1 26	15 32	1 15	23 2	0 37	12 3	1 1	4 35	2 30	21 52	0 1	12 51	0 49	22 29	0 43	20 47	20 28	19 46	13 35	6 59
T 22	21 38	17 3	4 5	17 12	1 15	15 55	1 13	23 7	0 37	12 2	1 1	4 34	2 30	21 53	0 1	12 51	0 49	22 30	0 43	20 49	20 29	19 47	13 35	6 59
W23	21 48	19 27	3 22	17 51	1 5	16 17	1 11	23 13	0 38	12 0	1 1	4 34	2 29	21 53	0 1	12 50	0 49	22 30	0 43	20 50	20 29	19 49	13 35	7 0
T 24	21 56	21 1	2 30	18 29	0 54	16 38	1 9	23 18	0 38	11 59	1 2	4 34	2 29	21 54	0 1	12 50	0 49	22 30	0 43	20 51	20 30	19 50	13 35	7 0
F 25	22 5	21 39	1 32	19 7	0 43	17 0	1 7	23 23	0 39	11 58	1 2	4 33	2 29	21 54	0 1	12 50	0 49	22 30	0 43	20 52	20 30	19 51	13 35	7 0
S 26	22 13	21 20	0 29	19 44	0 32	17 20	1 5	23 28	0 39	11 57	1 2	4 33	2 29	21 55	0 1	12 50	0 49	22 30	0 43	20 52	20 31	19 52	13 35	7 1
S 27	22 21	20 2	0s36	20 21	0 21	17 41	1 3	23 32	0 40	11 56	1 2	4 32	2 28	21 55	0 1	12 49	0 49	22 30	0 43	20 52	20 32	19 54	13 35	7 1
M28	22 28	17 49	1 40	20 55	0 10	18 1	1 1	23 36	0 40	11 55	1 3	4 32	2 28	21 56	0 1	12 49	0 49	22 31	0 43	20 52	20 32	19 55	13 35	7 2
T 29	22 35	14 46	2 41	21 29	0n 1	18 20	0 59	23 41	0 41	11 54	1 3	4 31	2 28	21 56	0 1	12 49	0 49	22 31	0 43	20 52	20 33	19 56	13 35	7 2
W30	22 42	10 58	3 35	22 1	0 12	18 39	0 57	23 45	0 41	11 54	1 3	4 31	2 28	21 57	0 1	12 48	0 49	22 31	0 43	20 52	20 34	19 57	13 35	7 2
T 31	22n48	6s33	4s20	22n30	0n22	18n58	0s55	23n48	0n42	11s53	1s 4	4n30	2n27	21n58	0s 1	12n48	0n49	22s31	0n43	20n52	20n34	19s58	13s35	7n 3

Julian Day Number = 2186506.5, Delta T = 11m05s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'12, Lahiri = 13°44'13 Julian Calendar 1 May 1274 == Greg. Calendar 8 May 1274

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

JUNE 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 6 9	17♊ 0'05	6♈58	12♊51	29♉30	20♊10	1♓48	24♍23	9♊38	28♌31	8°R57	26°R52	28♋18	20♐ 9	28°R46	F 1
S 2	17 10 6	17°57'18	20°52	15° 2	0♊43	20°50	1°51	24°24	9°42	28°32	8♑56	26♋49	28°14	20°16	28♑44	S 2
S 3	17 14 2	18°54'32	5♉14	17°14	1°57	21°30	1°53	24°25	9°45	28°33	8°55	26°44	28°11	20°23	28°41	S 3
M 4	17 17 59	19°51'45	20° 0	19°25	3°10	22°10	1°55	24°27	9°49	28°34	8°53	26°39	28° 8	20°29	28°39	M 4
T 5	17 21 55	20°48'58	5♊ 5	21°36	4°23	22°50	1°57	24°28	9°52	28°36	8°52	26°34	28° 5	20°36	28°37	T 5
W 6	17 25 52	21°46'11	20°18	23°47	5°36	23°30	1°58	24°30	9°56	28°37	8°51	26°30	28° 2	20°43	28°34	W 6
T 7	17 29 48	22°43'24	5♋31	25°58	6°49	24°10	2° 0	24°32	9°59	28°38	8°49	26°27	27°59	20°49	28°32	T 7
F 8	17 33 45	23°40'37	20°32	28° 7	8° 2	24°50	2° 1	24°33	10° 3	28°39	8°48	26°D25	27°55	20°56	28°29	F 8
S 9	17 37 42	24°37'49	5♌15	0♋16	9°16	25°30	2° 2	24°35	10° 6	28°40	8°46	26°25	27°52	21° 3	28°27	S 9
S 10	17 41 38	25°35'00	19°33	2°23	10°29	26°10	2° 3	24°37	10°10	28°41	8°45	26°26	27°49	21° 9	28°24	S 10
M11	17 45 35	26°32'11	3♍26	4°28	11°42	26°49	2° 4	24°39	10°13	28°42	8°44	26°28	27°46	21°16	28°21	M11
T 12	17 49 31	27°29'22	16°53	6°32	12°55	27°29	2° 4	24°42	10°17	28°44	8°42	26°29	27°43	21°23	28°19	T 12
W13	17 53 28	28°26'32	29°56	8°34	14° 8	28° 9	2° 4	24°44	10°20	28°45	8°41	26°R30	27°39	21°29	28°16	W13
T 14	17 57 24	29°23'42	12♎38	10°35	15°22	28°48	2°R 4	24°46	10°24	28°46	8°39	26°29	27°36	21°36	28°13	T 14
F 15	18 1 21	0♋20'51	25° 3	12°34	16°35	29°28	2° 4	24°49	10°27	28°48	8°38	26°27	27°33	21°43	28°10	F 15
S 16	18 5 17	1°18'01	7♏15	14°31	17°48	0♋ 8	2° 4	24°51	10°30	28°49	8°36	26°24	27°30	21°49	28° 7	S 16
S 17	18 9 14	2°15'10	19°17	16°25	19° 2	0°47	2° 3	24°54	10°34	28°50	8°35	26°20	27°27	21°56	28° 5	S 17
M18	18 13 10	3°12'19	1♐12	18°18	20°15	1°27	2° 3	24°57	10°37	28°52	8°33	26°16	27°24	22° 3	28° 2	M18
T 19	18 17 7	4° 9'28	13° 3	20° 9	21°28	2° 6	2° 2	25° 0	10°40	28°53	8°32	26°13	27°20	22° 9	27°59	T 19
W20	18 21 4	5° 6'37	24°53	21°58	22°42	2°46	2° 1	25° 3	10°44	28°55	8°30	26°10	27°17	22°16	27°56	W20
T 21	18 25 0	6° 3'46	6♑43	23°45	23°55	3°25	2° 0	25° 6	10°47	28°56	8°29	26° 8	27°14	22°23	27°53	T 21
F 22	18 28 57	7° 0'56	18°35	25°30	25° 8	4° 4	1°58	25° 9	10°50	28°58	8°27	26° 7	27°11	22°29	27°49	F 22
S 23	18 32 53	7°58'05	0♒33	27°13	26°22	4°44	1°56	25°12	10°54	28°59	8°26	26°D 7	27° 8	22°36	27°46	S 23
S 24	18 36 50	8°55'15	12°38	28°55	27°35	5°23	1°55	25°15	10°57	29° 1	8°25	26° 7	27° 5	22°43	27°43	S 24
M25	18 40 46	9°52'26	24°52	0♌34	28°49	6° 2	1°53	25°19	11° 0	29° 2	8°23	26° 8	27° 1	22°49	27°40	M25
T 26	18 44 43	10°49'37	7♓19	2°11	0♋ 2	6°42	1°50	25°22	11° 3	29° 4	8°22	26°10	26°58	22°56	27°37	T 26
W27	18 48 40	11°46'48	20° 2	3°46	1°16	7°21	1°48	25°26	11° 6	29° 5	8°20	26°11	26°55	23° 3	27°34	W27
T 28	18 52 36	12°44'00	3♈ 4	5°19	2°29	8° 0	1°45	25°29	11°10	29° 7	8°19	26°12	26°52	23° 9	27°31	T 28
F 29	18 56 33	13°41'13	16°27	6°50	3°43	8°39	1°43	25°33	11°13	29° 9	8°17	26°R12	26°49	23°16	27°27	F 29
S 30	19 0 29	14♋38'27	0♉14	8♌19	4♋57	9♋19	1♓40	25♍37	11♊16	29♌10	8♑16	26♋11	26♋45	23♐23	27♑24	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n54	1s42	4s53	22n58	0n33	19n16	0s53	23n52	0n42	11s52	1s 4	4n30	2n27	21n58	0s 1	12n48	0n49	22s31	0n42	20n52	20n35	19s59	13s35	7n 3
S 2	22 59	3n24	5 9	23 24	0 42	19 33	0 51	23 55	0 42	11 52	1 4	4 29	2 27	21 59	0 1	12 47	0 49	22 32	0 42	20 53	20 36	20 1	13 35	7 3
S 3	23 4	8 29	5 8	23 47	0 52	19 50	0 48	23 58	0 43	11 51	1 5	4 28	2 27	21 59	0 1	12 47	0 49	22 32	0 42	20 53	20 36	20 2	13 35	7 4
M 4	23 9	13 13	4 46	24 7	1 1	20 7	0 46	24 1	0 43	11 51	1 5	4 27	2 27	22 0	0 1	12 47	0 49	22 32	0 42	20 54	20 37	20 3	13 35	7 4
T 5	23 13	17 14	4 4	24 25	1 9	20 23	0 44	24 4	0 44	11 50	1 5	4 27	2 26	22 0	0 1	12 46	0 49	22 32	0 42	20 55	20 38	20 4	13 35	7 4
W 6	23 17	20 7	3 4	24 40	1 17	20 38	0 42	24 6	0 44	11 50	1 5	4 26	2 26	22 1	0 1	12 46	0 49	22 32	0 42	20 56	20 38	20 5	13 35	7 5
T 7	23 20	21 33	1 52	24 52	1 24	20 53	0 39	24 9	0 45	11 50	1 6	4 25	2 26	22 1	0 1	12 45	0 49	22 32	0 42	20 57	20 39	20 6	13 36	7 5
F 8	23 23	21 26	0 32	25 1	1 30	21 8	0 37	24 11	0 45	11 50	1 6	4 24	2 26	22 2	0 1	12 45	0 49	22 33	0 42	20 57	20 39	20 8	13 36	7 5
S 9	23 25	19 49	0n48	25 7	1 35	21 21	0 35	24 13	0 46	11 49	1 6	4 23	2 25	22 2	0 1	12 45	0 49	22 33	0 42	20 57	20 40	20 9	13 36	7 6
S 10	23 27	16 58	2 3	25 11	1 40	21 35	0 32	24 15	0 46	11 49	1 7	4 22	2 25	22 3	0 1	12 44	0 49	22 33	0 42	20 57	20 41	20 10	13 36	7 6
M11	23 29	13 13	3 9	25 12	1 44	21 47	0 30	24 16	0 46	11 49	1 7	4 21	2 25	22 3	0 1	12 44	0 49	22 33	0 42	20 57	20 41	20 11	13 37	7 6
T 12	23 30	8 55	4 2	25 10	1 48	21 59	0 27	24 17	0 47	11 50	1 7	4 20	2 25	22 4	0 1	12 43	0 49	22 33	0 41	20 56	20 42	20 12	13 37	7 6
W13	23 31	4 19	4 41	25 6	1 51	22 10	0 25	24 18	0 47	11 50	1 8	4 19	2 25	22 4	0 1	12 43	0 49	22 34	0 41	20 56	20 43	20 13	13 37	7 7
T 14	23 32	0s20	5 5	24 59	1 53	22 21	0 22	24 19	0 48	11 50	1 8	4 17	2 24	22 5	0 1	12 42	0 49	22 34	0 41	20 56	20 43	20 14	13 37	7 7
F 15	23 32	4 52	5 14	24 49	1 54	22 31	0 20	24 20	0 48	11 50	1 8	4 16	2 24	22 5	0 1	12 42	0 49	22 34	0 41	20 57	20 44	20 16	13 38	7 7
S 16	23 32	9 7	5 8	24 38	1 54	22 41	0 18	24 20	0 48	11 51	1 8	4 15	2 24	22 6	0 1	12 41	0 49	22 34	0 41	20 57	20 44	20 17	13 38	7 7
S 17	23 31	12 58	4 49	24 24	1 54	22 49	0 15	24 21	0 49	11 51	1 9	4 14	2 24	22 6	0 1	12 41	0 49	22 34	0 41	20 58	20 45	20 18	13 38	7 8
M18	23 30	16 16	4 18	24 9	1 53	22 58	0 13	24 21	0 49	11 52	1 9	4 12	2 23	22 7	0 1	12 40	0 49	22 35	0 41	20 59	20 46	20 19	13 39	7 8
T 19	23 28	18 53	3 35	23 51	1 52	23 5	0 10	24 21	0 50	11 52	1 9	4 11	2 23	22 7	0 1	12 40	0 49	22 35	0 41	20 59	20 46	20 20	13 39	7 8
W20	23 26	20 42	2 44	23 32	1 50	23 12	0 8	24 20	0 50	11 53	1 10	4 10	2 23	22 8	0 1	12 39	0 49	22 35	0 41	21 0	20 47	20 21	13 39	7 8
T 21	23 24	21 37	1 45	23 12	1 47	23 18	0 5	24 20	0 50	11 54	1 10	4 8	2 23	22 8	0 1	12 39	0 49	22 35	0 41	21 0	20 48	20 22	13 40	7 9
F 22	23 21	21 33	0 41	22 49	1 44	23 24	0 3	24 19	0 51	11 54	1 10	4 7	2 23	22 9	0 1	12 38	0 49	22 35	0 40	21 1	20 48	20 23	13 40	7 9
S 23	23 17	20 31	0s25	22 26	1 40	23 28	0 0	24 18	0 51	11 55	1 11	4 5	2 22	22 9	0 1	12 38	0 48	22 35	0 40	21 1	20 49	20 24	13 40	7 9
S 24	23 14	18 31	1 30	22 1	1 36	23 33	0n 2	24 17	0 52	11 56	1 11	4 4	2 22	22 10	0 1	12 37	0 48	22 36	0 40	21 0	20 49	20 26	13 41	7 9
M25	23 10	15 41	2 33	21 35	1 31	23 36	0 4	24 16	0 52	11 57	1 11	4 2	2 22	22 10	0 1	12 37	0 48	22 36	0 40	21 0	20 50	20 27	13 41	7 9
T 26	23 5	12 5	3 29	21 8	1 25	23 39	0 7	24 14	0 52	11 58	1 11	4 1	2 22	22 11	0 1	12 36	0 48	22 36	0 40	21 0	20 51	20 28	13 42	7 9
W27	23 0	7 53	4 16	20 40	1 19	23 41	0 9	24 12	0 53	11 59	1 12	3 59	2 22	22 11	0 1	12 35	0 48	22 36	0 40	21 0	20 51	20 29	13 42	7 10
T 28	22 55	3 14	4 52	20 11	1 13	23 42	0 12	24 10	0 53	12 1	1 12	3 58	2 21	22 12	0 1	12 35	0 48	22 36	0 40	21 0	20 52	20 30	13 43	7 10
F 29	22 50	1n41	5 12	19 42	1 6	23 43	0 14	24 8	0 54	12 2	1 12	3 56	2 21	22 12	0 1	12 34	0 48	22 37	0 40	21 0	20 53	20 31	13 43	7 10
S 30	22n43	6n40	5s16	19n12	0n59	23n43	0n16	24n 6	0n54	12s 3	1s13	3n54	2n21	22n12	0s 1	12n34	0n48	22s37	0n40	21n 0	20n53	20s32	13s44	7n10

Julian Day Number = 2186537.5, Delta T = 11m05s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'17, Lahiri = 13°44'17 Julian Calendar 1 June 1274 == Greg. Calendar 8 June 1274

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

JULY 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 4 26	15♋35'41	14♉24	9♌46	6♋10	9♋58	1°R36	25♍41	11♊19	29♌12	8°R14	26°R11	26♋42	23♐29	27°R21	S 1
M 2	19 8 22	16°32'56	28°56	11°11	7°24	10°37	1♓33	25°45	11°22	29°14	8♑13	26♋ 9	26°39	23°36	27♑17	M 2
T 3	19 12 19	17°30'12	13♊46	12°34	8°38	11°16	1°30	25°49	11°25	29°16	8°11	26° 8	26°36	23°43	27°14	T 3
W 4	19 16 15	18°27'29	28°47	13°55	9°51	11°55	1°26	25°53	11°28	29°17	8°10	26° 8	26°33	23°50	27°11	W 4
T 5	19 20 12	19°24'47	13♋52	15°13	11° 5	12°34	1°22	25°57	11°31	29°19	8° 8	26° 7	26°30	23°56	27° 7	T 5
F 6	19 24 9	20°22'05	28°51	16°30	12°19	13°13	1°18	26° 1	11°34	29°21	8° 7	26°D 7	26°26	24° 3	27° 4	F 6
S 7	19 28 5	21°19'24	13♌36	17°44	13°32	13°52	1°14	26° 6	11°37	29°23	8° 6	26° 7	26°23	24°10	27° 1	S 7
S 8	19 32 2	22°16'43	28° 0	18°55	14°46	14°31	1° 9	26°10	11°40	29°25	8° 4	26° 8	26°20	24°16	26°57	S 8
M 9	19 35 58	23°14'03	12♍ 0	20° 5	16° 0	15°10	1° 5	26°15	11°43	29°27	8° 3	26° 8	26°17	24°23	26°54	M 9
T 10	19 39 55	24°11'24	25°34	21°12	17°14	15°49	1° 0	26°19	11°46	29°28	8° 1	26° 8	26°14	24°30	26°51	T 10
W11	19 43 51	25° 8'44	8♎42	22°16	18°28	16°28	0°55	26°24	11°48	29°30	8° 0	26° 8	26°11	24°36	26°47	W11
T 12	19 47 48	26° 6'06	21°27	23°17	19°42	17° 7	0°50	26°29	11°51	29°32	7°59	26° 8	26° 7	24°43	26°44	T 12
F 13	19 51 44	27° 3'28	3♏53	24°16	20°55	17°46	0°45	26°33	11°54	29°34	7°57	26° 8	26° 4	24°50	26°40	F 13
S 14	19 55 41	28° 0'51	16° 3	25°12	22° 9	18°24	0°39	26°38	11°57	29°36	7°56	26° 8	26° 1	24°56	26°37	S 14
S 15	19 59 38	28°58'14	28° 2	26° 5	23°23	19° 3	0°34	26°43	11°59	29°38	7°54	26° 9	25°58	25° 3	26°34	S 15
M16	20 3 34	29°55'38	9♐55	26°55	24°37	19°42	0°28	26°48	12° 2	29°40	7°53	26° 9	25°55	25°10	26°30	M16
T 17	20 7 31	0♌53'03	21°44	27°41	25°51	20°21	0°22	26°53	12° 5	29°42	7°52	26° 9	25°51	25°16	26°27	T 17
W18	20 11 27	1°50'29	3♑34	28°24	27° 5	20°59	0°16	26°58	12° 7	29°44	7°50	26°10	25°48	25°23	26°24	W18
T 19	20 15 24	2°47'56	15°27	29° 3	28°19	21°38	0°10	27° 4	12°10	29°46	7°49	26°10	25°45	25°30	26°20	T 19
F 20	20 19 20	3°45'24	27°27	29°38	29°33	22°17	0° 4	27° 9	12°12	29°48	7°48	26°R11	25°42	25°36	26°17	F 20
S 21	20 23 17	4°42'52	9♒35	0♍ 9	0♌47	22°55	29♒58	27°14	12°15	29°50	7°47	26°10	25°39	25°43	26°14	S 21
S 22	20 27 13	5°40'22	21°53	0°36	2° 1	23°34	29°51	27°20	12°17	29°52	7°45	26°10	25°36	25°50	26°10	S 22
M23	20 31 10	6°37'53	4♓22	0°59	3°15	24°12	29°45	27°25	12°20	29°54	7°44	26° 8	25°32	25°56	26° 7	M23
T 24	20 35 7	7°35'26	17° 5	1°17	4°29	24°51	29°38	27°30	12°22	29°56	7°43	26° 7	25°29	26° 3	26° 4	T 24
W25	20 39 3	8°32'59	0♈ 1	1°30	5°43	25°30	29°31	27°36	12°24	29°58	7°42	26° 5	25°26	26° 9	26° 0	W25
T 26	20 43 0	9°30'34	13°13	1°38	6°57	26° 8	29°24	27°42	12°27	0♍ 1	7°40	26° 4	25°23	26°16	25°57	T 26
F 27	20 46 56	10°28'11	26°40	1°R40	8°12	26°47	29°17	27°47	12°29	0° 3	7°39	26° 3	25°20	26°23	25°54	F 27
S 28	20 50 53	11°25'49	10♉25	1°38	9°26	27°25	29°10	27°53	12°31	0° 5	7°38	26°D 3	25°17	26°29	25°51	S 28
S 29	20 54 49	12°23'29	24°25	1°29	10°40	28° 4	29° 3	27°59	12°33	0° 7	7°37	26° 3	25°13	26°36	25°48	S 29
M30	20 58 46	13°21'11	8♊42	1°15	11°54	28°42	28°56	28° 5	12°35	0° 9	7°36	26° 4	25°10	26°43	25°44	M30
T 31	21 2 42	14♌18'54	23♊12	0♍56	13♌ 8	29♋20	28♒48	28♍11	12♊38	0♍11	7♑35	26♋ 5	25♋ 7	26♐49	25♑41	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n37	11n25	5s 1	18n41	0n51	23n42	0n19	24n 4	0n54	12s 5	1s13	3n53	2n21	22n13	0s 1	12n33	0n48	22s37	0n40	21n 0	20n54	20s33	13s44	7n10
M 2	22 30	15 40	4 27	18 10	0 43	23 41	0 21	24 1	0 55	12 6	1 13	3 51	2 21	22 13	0 1	12 32	0 48	22 37	0 39	21 0	20 54	20 34	13 45	7 10
T 3	22 23	19 0	3 34	17 39	0 34	23 38	0 23	23 58	0 55	12 8	1 13	3 49	2 20	22 14	0 1	12 32	0 48	22 37	0 39	21 0	20 55	20 35	13 45	7 10
W 4	22 15	21 6	2 26	17 7	0 25	23 36	0 26	23 55	0 55	12 9	1 14	3 47	2 20	22 14	0 1	12 31	0 48	22 38	0 39	21 0	20 56	20 36	13 46	7 10
T 5	22 7	21 41	1 8	16 35	0 16	23 32	0 28	23 52	0 56	12 11	1 14	3 45	2 20	22 15	0 1	12 31	0 48	22 38	0 39	21 0	20 56	20 37	13 46	7 10
F 6	21 59	20 43	0n15	16 3	0 7	23 28	0 30	23 48	0 56	12 13	1 14	3 43	2 20	22 15	0 1	12 30	0 48	22 38	0 39	21 0	20 57	20 38	13 47	7 11
S 7	21 50	18 20	1 36	15 32	0s 3	23 23	0 32	23 45	0 56	12 14	1 15	3 42	2 20	22 15	0 1	12 29	0 48	22 38	0 39	21 0	20 57	20 39	13 47	7 11
S 8	21 41	14 50	2 48	15 0	0 14	23 17	0 35	23 41	0 57	12 16	1 15	3 40	2 19	22 16	0 0	12 29	0 48	22 38	0 39	21 0	20 58	20 40	13 48	7 11
M 9	21 31	10 36	3 48	14 28	0 24	23 11	0 37	23 37	0 57	12 18	1 15	3 38	2 19	22 16	0 0	12 28	0 48	22 39	0 39	21 0	20 59	20 41	13 49	7 11
T 10	21 22	5 57	4 34	13 57	0 35	23 4	0 39	23 33	0 58	12 20	1 15	3 36	2 19	22 17	0 0	12 27	0 48	22 39	0 39	21 0	20 59	20 42	13 49	7 11
W11	21 11	1 11	5 3	13 25	0 46	22 56	0 41	23 28	0 58	12 22	1 16	3 34	2 19	22 17	0 0	12 27	0 48	22 39	0 39	21 0	21 0	20 43	13 50	7 11
T 12	21 1	3s30	5 17	12 55	0 57	22 48	0 43	23 24	0 58	12 24	1 16	3 32	2 19	22 17	0 0	12 26	0 48	22 39	0 38	21 0	21 0	20 44	13 50	7 11
F 13	20 50	7 55	5 15	12 25	1 8	22 38	0 45	23 19	0 59	12 26	1 16	3 30	2 19	22 18	0 0	12 25	0 48	22 39	0 38	21 0	21 1	20 46	13 51	7 11
S 14	20 38	11 56	4 59	11 55	1 20	22 29	0 47	23 14	0 59	12 28	1 16	3 27	2 18	22 18	0 0	12 25	0 48	22 39	0 38	21 0	21 2	20 47	13 52	7 11
S 15	20 27	15 25	4 30	11 26	1 32	22 18	0 49	23 9	0 59	12 31	1 17	3 25	2 18	22 18	0 0	12 24	0 48	22 40	0 38	21 0	21 2	20 48	13 52	7 11
M16	20 15	18 14	3 50	10 58	1 44	22 7	0 51	23 4	1 0	12 33	1 17	3 23	2 18	22 19	0 0	12 23	0 48	22 40	0 38	21 0	21 3	20 49	13 53	7 11
T 17	20 2	20 17	3 0	10 31	1 55	21 55	0 53	22 58	1 0	12 35	1 17	3 21	2 18	22 19	0 0	12 23	0 48	22 40	0 38	21 0	21 3	20 50	13 54	7 11
W18	19 50	21 27	2 2	10 5	2 8	21 43	0 55	22 53	1 0	12 37	1 17	3 19	2 18	22 20	0 0	12 22	0 48	22 40	0 38	21 0	21 4	20 51	13 54	7 11
T 19	19 37	21 39	0 59	9 40	2 20	21 30	0 56	22 47	1 1	12 40	1 18	3 17	2 18	22 20	0 0	12 21	0 48	22 40	0 38	21 0	21 5	20 52	13 55	7 10
F 20	19 23	20 52	0s 7	9 17	2 32	21 16	0 58	22 41	1 1	12 42	1 18	3 14	2 17	22 20	0 0	12 20	0 48	22 41	0 38	21 0	21 5	20 52	13 56	7 10
S 21	19 10	19 6	1 14	8 55	2 44	21 2	1 0	22 35	1 1	12 45	1 18	3 12	2 17	22 21	0 0	12 20	0 48	22 41	0 37	21 0	21 6	20 53	13 56	7 10
S 22	18 56	16 26	2 18	8 34	2 55	20 47	1 2	22 29	1 2	12 47	1 18	3 10	2 17	22 21	0 0	12 19	0 48	22 41	0 37	21 0	21 6	20 54	13 57	7 10
M23	18 41	12 59	3 16	8 15	3 7	20 32	1 3	22 22	1 2	12 50	1 18	3 8	2 17	22 21	0 0	12 18	0 48	22 41	0 37	21 0	21 7	20 55	13 58	7 10
T 24	18 27	8 54	4 6	7 58	3 18	20 16	1 5	22 16	1 2	12 52	1 19	3 5	2 17	22 22	0 0	12 17	0 48	22 41	0 37	21 0	21 8	20 56	13 58	7 10
W25	18 12	4 20	4 44	7 43	3 30	19 59	1 6	22 9	1 2	12 55	1 19	3 3	2 17	22 22	0 0	12 17	0 48	22 41	0 37	21 1	21 8	20 57	13 59	7 10
T 26	17 56	0n30	5 8	7 30	3 40	19 42	1 8	22 2	1 3	12 57	1 19	3 0	2 17	22 22	0 0	12 16	0 48	22 42	0 37	21 1	21 9	20 58	14 0	7 10
F 27	17 41	5 24	5 16	7 20	3 50	19 24	1 9	21 55	1 3	13 0	1 19	2 58	2 16	22 22	0 0	12 15	0 48	22 42	0 37	21 1	21 9	20 59	14 1	7 10
S 28	17 25	10 9	5 7	7 12	4 0	19 6	1 10	21 48	1 3	13 3	1 19	2 56	2 16	22 23	0 0	12 14	0 48	22 42	0 37	21 1	21 10	21 0	14 1	7 9
S 29	17 9	14 27	4 39	7 7	4 9	18 47	1 12	21 40	1 4	13 6	1 20	2 53	2 16	22 23	0 0	12 14	0 48	22 42	0 37	21 1	21 10	21 1	14 2	7 9
M30	16 53	18 0	3 53	7 4	4 17	18 27	1 13	21 33	1 4	13 8	1 20	2 51	2 16	22 23	0 0	12 13	0 48	22 42	0 37	21 1	21 11	21 2	14 3	7 9
T 31	16n36	20n30	2s52	7n 5	4s24	18n 7	1n14	21n25	1n 4	13s11	1s20	2n48	2n16	22n24	0s 0	12n12	0n48	22s43	0n36	21n 1	21n12	21s 3	14s 4	7n 9

Julian Day Number = 2186567.5, Delta T = 11m05s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'21, Lahiri = 13°44'21 Julian Calendar 1 July 1274 == Greg. Calendar 8 July 1274

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

AUGUST 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 6 39	15♌16'39	7♋51	0°R30	14♌23	29♋59	28°R41	28♍17	12♊40	0♍13	7°R34	26♋ 6	25♋ 4	26♐56	25°R38	W 1
T 2	21 10 36	16°14'26	22°35	29♌59	15°37	0♌37	28♒33	28°23	12°42	0°16	7♑33	26°R 7	25° 1	27° 3	25♑35	T 2
F 3	21 14 32	17°12'14	7♌17	29°24	16°51	1°16	28°26	28°29	12°44	0°18	7°31	26° 6	24°57	27° 9	25°32	F 3
S 4	21 18 29	18°10'03	21°51	28°43	18° 6	1°54	28°18	28°35	12°46	0°20	7°30	26° 5	24°54	27°16	25°29	S 4
S 5	21 22 25	19° 7'54	6♍10	27°58	19°20	2°32	28°10	28°41	12°47	0°22	7°29	26° 3	24°51	27°23	25°26	S 5
M 6	21 26 22	20° 5'47	20° 8	27° 9	20°34	3°11	28° 3	28°47	12°49	0°24	7°28	25°59	24°48	27°29	25°23	M 6
T 7	21 30 18	21° 3'41	3♎44	26°18	21°49	3°49	27°55	28°54	12°51	0°26	7°27	25°56	24°45	27°36	25°20	T 7
W 8	21 34 15	22° 1'36	16°55	25°24	23° 3	4°27	27°47	29° 0	12°53	0°29	7°26	25°52	24°42	27°43	25°17	W 8
T 9	21 38 11	22°59'32	29°43	24°29	24°17	5° 5	27°39	29° 6	12°55	0°31	7°26	25°49	24°38	27°49	25°15	T 9
F 10	21 42 8	23°57'30	12♏11	23°34	25°32	5°44	27°31	29°13	12°56	0°33	7°25	25°47	24°35	27°56	25°12	F 10
S 11	21 46 5	24°55'29	24°22	22°40	26°46	6°22	27°23	29°19	12°58	0°35	7°24	25°D47	24°32	28° 3	25° 9	S 11
S 12	21 50 1	25°53'30	6♐21	21°49	28° 1	7° 0	27°15	29°26	12°59	0°38	7°23	25°47	24°29	28° 9	25° 6	S 12
M13	21 53 58	26°51'32	18°12	21° 1	29°15	7°38	27° 7	29°32	13° 1	0°40	7°22	25°49	24°26	28°16	25° 4	M13
T 14	21 57 54	27°49'35	0♑ 1	20°17	0♍30	8°16	26°59	29°39	13° 2	0°42	7°21	25°50	24°22	28°23	25° 1	T 14
W15	22 1 51	28°47'40	11°53	19°40	1°44	8°54	26°52	29°45	13° 4	0°44	7°20	25°52	24°19	28°29	24°58	W15
T 16	22 5 47	29°45'47	23°51	19° 9	2°59	9°32	26°44	29°52	13° 5	0°46	7°20	25°R53	24°16	28°36	24°56	T 16
F 17	22 9 44	0♍43'55	5♒58	18°45	4°13	10°11	26°36	29°59	13° 7	0°49	7°19	25°52	24°13	28°43	24°53	F 17
S 18	22 13 40	1°42'04	18°18	18°29	5°28	10°49	26°28	0♎ 5	13° 8	0°51	7°18	25°50	24°10	28°49	24°51	S 18
S 19	22 17 37	2°40'16	0♓53	18°D21	6°42	11°27	26°20	0°12	13° 9	0°53	7°18	25°46	24° 7	28°56	24°49	S 19
M20	22 21 34	3°38'29	13°42	18°22	7°57	12° 5	26°12	0°19	13°10	0°55	7°17	25°41	24° 3	29° 3	24°46	M20
T 21	22 25 30	4°36'44	26°46	18°32	9°11	12°43	26° 5	0°26	13°11	0°58	7°16	25°35	24° 0	29° 9	24°44	T 21
W22	22 29 27	5°35'00	10♈ 5	18°51	10°26	13°21	25°57	0°33	13°12	1° 0	7°16	25°28	23°57	29°16	24°42	W22
T 23	22 33 23	6°33'19	23°36	19°19	11°40	13°59	25°49	0°39	13°14	1° 2	7°15	25°22	23°54	29°23	24°40	T 23
F 24	22 37 20	7°31'40	7♉18	19°56	12°55	14°37	25°41	0°46	13°14	1° 4	7°14	25°17	23°51	29°29	24°37	F 24
S 25	22 41 16	8°30'03	21° 9	20°41	14° 9	15°15	25°34	0°53	13°15	1° 6	7°14	25°14	23°48	29°36	24°35	S 25
S 26	22 45 13	9°28'29	5♊ 9	21°34	15°24	15°52	25°26	1° 0	13°16	1° 9	7°13	25°D13	23°44	29°43	24°33	S 26
M27	22 49 9	10°26'56	19°16	22°34	16°39	16°30	25°19	1° 7	13°17	1°11	7°13	25°13	23°41	29°49	24°31	M27
T 28	22 53 6	11°25'26	3♋29	23°41	17°53	17° 8	25°12	1°14	13°18	1°13	7°12	25°14	23°38	29°56	24°29	T 28
W29	22 57 2	12°23'59	17°46	24°55	19° 8	17°46	25° 4	1°21	13°19	1°15	7°12	25°15	23°35	0♑ 3	24°28	W29
T 30	23 0 59	13°22'33	2♌ 5	26°15	20°23	18°24	24°57	1°28	13°19	1°17	7°12	25°R15	23°32	0° 9	24°26	T 30
F 31	23 4 56	14♍21'09	16♌21	27♌40	21♍37	19♌ 2	24♒50	1♎35	13♊20	1♍20	7♑11	25♋13	23♋28	0♑16	24♑24	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	16n19	21n39	1s39	7n 8	4s29	17n47	1n15	21n17	1n 5	13s14	1s20	2n46	2n16	22n24	0s 0	12n11	0n48	22s43	0n36	21n 1	21n12	21s 4	14s 4	7n 9	
T 2	16 2	21 19	0 19	7 14	4 34	17 26	1 16	21 9	1 5	13 17	1 20	2 43	2 16	22 24	0 0	12 11	0 48	22 43	0 36	21 1	21 13	21 5	14 5	7 9	
F 3	15 44	19 31	1n 1	7 24	4 37	17 4	1 17	21 1	1 5	13 19	1 20	2 41	2 16	22 24	0 0	12 10	0 48	22 43	0 36	21 1	21 13	21 6	14 6	7 8	
S 4	15 27	16 26	2 17	7 37	4 39	16 42	1 18	20 53	1 5	13 22	1 21	2 38	2 15	22 25	0 0	12 9	0 48	22 43	0 36	21 1	21 14	21 7	14 6	7 8	
S 5	15 9	12 26	3 23	7 52	4 38	16 20	1 19	20 44	1 6	13 25	1 21	2 36	2 15	22 25	0 0	12 8	0 48	22 43	0 36	21 1	21 14	21 8	14 7	7 8	
M 6	14 50	7 50	4 15	8 10	4 36	15 57	1 20	20 36	1 6	13 28	1 21	2 33	2 15	22 25	0 0	12 8	0 48	22 44	0 36	21 2	21 15	21 9	14 8	7 8	
T 7	14 32	2 58	4 51	8 31	4 33	15 34	1 21	20 27	1 6	13 31	1 21	2 30	2 15	22 25	0 0	12 7	0 48	22 44	0 36	21 3	21 16	21 10	14 9	7 7	
W 8	14 13	1s54	5 10	8 55	4 27	15 10	1 21	20 18	1 7	13 34	1 21	2 28	2 15	22 26	0 0	12 6	0 48	22 44	0 36	21 3	21 16	21 10	14 9	7 7	
T 9	13 54	6 32	5 13	9 20	4 19	14 46	1 22	20 9	1 7	13 36	1 21	2 25	2 15	22 26	0 0	12 5	0 48	22 44	0 35	21 4	21 17	21 11	14 10	7 7	
F 10	13 35	10 46	5 1	9 47	4 10	14 21	1 23	20 0	1 7	13 39	1 21	2 22	2 15	22 26	0 0	12 4	0 48	22 44	0 35	21 4	21 17	21 12	14 11	7 7	
S 11	13 16	14 28	4 36	10 15	3 58	13 56	1 23	19 51	1 7	13 42	1 21	2 20	2 15	22 26	0 0	12 4	0 48	22 44	0 35	21 4	21 18	21 13	14 12	7 6	
S 12	12 56	17 32	3 59	10 44	3 45	13 31	1 24	19 41	1 8	13 45	1 22	2 17	2 15	22 27	0 0	12 3	0 48	22 45	0 35	21 4	21 18	21 14	14 12	7 6	
M13	12 36	19 49	3 12	11 13	3 31	13 5	1 24	19 32	1 8	13 48	1 22	2 14	2 15	22 27	0 0	12 2	0 48	22 45	0 35	21 4	21 19	21 15	14 13	7 6	
T 14	12 17	21 15	2 17	11 42	3 15	12 39	1 24	19 22	1 8	13 51	1 22	2 12	2 14	22 27	0 0	12 1	0 48	22 45	0 35	21 4	21 20	21 16	14 14	7 6	
W15	11 56	21 44	1 16	12 10	2 58	12 13	1 25	19 12	1 8	13 53	1 22	2 9	2 14	22 27	0 0	12 1	0 48	22 45	0 35	21 3	21 20	21 17	14 15	7 5	
T 16	11 36	21 14	0 11	12 37	2 40	11 46	1 25	19 2	1 9	13 56	1 22	2 6	2 14	22 27	0 0	12 0	0 48	22 45	0 35	21 3	21 21	21 17	14 15	7 5	
F 17	11 15	19 44	0s55	13 1	2 21	11 19	1 25	18 52	1 9	13 59	1 22	2 4	2 14	22 27	0 0	11 59	0 48	22 45	0 35	21 3	21 21	21 18	14 16	7 5	
S 18	10 55	17 17	1 59	13 24	2 3	10 52	1 25	18 42	1 9	14 2	1 22	2 1	2 14	22 28	0 0	11 58	0 48	22 45	0 34	21 4	21 22	21 19	14 17	7 4	
S 19	10 34	13 59	2 59	13 45	1 44	10 24	1 25	18 32	1 10	14 4	1 22	1 58	2 14	22 28	0 0	11 57	0 48	22 46	0 34	21 4	21 22	21 20	14 18	7 4	
M20	10 13	9 59	3 51	14 2	1 25	9 56	1 25	18 21	1 10	14 7	1 22	1 55	2 14	22 28	0 0	11 57	0 48	22 46	0 34	21 5	21 23	21 21	14 18	7 4	
T 21	9 51	5 26	4 32	14 17	1 6	9 28	1 25	18 11	1 10	14 10	1 22	1 52	2 14	22 28	0 0	11 56	0 48	22 46	0 34	21 7	21 23	21 22	14 19	7 3	
W22	9 30	0 34	4 59	14 28	0 48	8 59	1 24	18 0	1 10	14 12	1 22	1 50	2 14	22 28	0 0	11 55	0 48	22 46	0 34	21 8	21 24	21 23	14 20	7 3	
T 23	9 8	4n24	5 9	14 36	0 30	8 31	1 24	17 49	1 11	14 15	1 22	1 47	2 14	22 28	0 0	11 54	0 49	22 46	0 34	21 9	21 25	21 23	14 21	7 3	
F 24	8 47	9 13	5 3	14 41	0 14	8 2	1 24	17 38	1 11	14 18	1 22	1 44	2 14	22 29	0 0	11 54	0 49	22 46	0 34	21 10	21 25	21 24	14 21	7 2	
S 25	8 25	13 38	4 39	14 41	0n 2	7 32	1 24	17 27	1 11	14 20	1 22	1 41	2 14	22 29	0 0	11 53	0 49	22 46	0 34	21 10	21 26	21 25	14 22	7 2	
S 26	8 3	17 21	3 58	14 39	0 17	7 3	1 23	17 16	1 11	14 23	1 22	1 38	2 14	22 29	0 0	11 52	0 49	22 47	0 34	21 11	21 26	21 26	14 23	7 1	
M27	7 41	20 4	3 2	14 32	0 31	6 34	1 23	17 5	1 11	14 25	1 22	1 36	2 14	22 29	0 0	11 51	0 49	22 47	0 33	21 11	21 27	21 27	14 23	7 1	
T 28	7 18	21 34	1 55	14 22	0 44	6 4	1 22	16 54	1 12	14 28	1 22	1 33	2 13	22 29	0 0	11 50	0 49	22 47	0 33	21 10	21 27	21 28	14 24	7 1	
W29	6 56	21 41	0 40	14 8	0 56	5 34	1 21	16 42	1 12	14 30	1 22	1 30	2 13	22 29	0 0	11 50	0 49	22 47	0 33	21 10	21 28	21 28	14 25	7 0	
T 30	6 34	20 22	0n37	13 51	1 6	5 4	1 21	16 31	1 12	14 33	1 22	1 27	2 13	22 29	0 0	11 49	0 49	22 47	0 33	21 10	21 28	21 29	14 26	7 0	
F 31	6n11	17n46	1n51	13n30	1n15	4n33	1n20	16n19	1n12	14s35	1s22	1n24	2n13	22n29	0s 0	11n48	0n49	22s47	0n33	21n11	21n29	21s30	14s26	6n59	

Julian Day Number = 2186598.5, Delta T = 11m04s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'25, Lahiri = 13°44'26 Julian Calendar 1 Aug. 1274 == Greg. Calendar 8 Aug. 1274

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

SEPTEMBER 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 8 52	15♍19'48	0♍33	29♌10	22♍52	19♌40	24°R43	1♎43	13♊21	1♍22	7°R11	25°R 9	23♋25	0♑23	24°R22	S 1
S 2	23 12 49	16°18'28	14°33	0♍44	24° 7	20°18	24♒36	1°50	13°21	1°24	7♑11	25♋ 2	23°22	0°29	24♑21	S 2
M 3	23 16 45	17°17'11	28°19	2°21	25°21	20°55	24°30	1°57	13°22	1°26	7°10	24°54	23°19	0°36	24°19	M 3
T 4	23 20 42	18°15'55	11♎47	4° 1	26°36	21°33	24°23	2° 4	13°22	1°28	7°10	24°45	23°16	0°43	24°18	T 4
W 5	23 24 38	19°14'41	24°54	5°44	27°51	22°11	24°17	2°11	13°22	1°30	7°10	24°36	23°13	0°49	24°16	W 5
T 6	23 28 35	20°13'30	7♏41	7°28	29° 5	22°49	24°10	2°18	13°23	1°33	7°10	24°28	23° 9	0°56	24°15	T 6
F 7	23 32 31	21°12'20	20° 8	9°14	0♎20	23°26	24° 4	2°26	13°23	1°35	7° 9	24°21	23° 6	1° 2	24°14	F 7
S 8	23 36 28	22°11'12	2♐19	11° 2	1°35	24° 4	23°58	2°33	13°23	1°37	7° 9	24°17	23° 3	1° 9	24°13	S 8
S 9	23 40 25	23°10'05	14°18	12°50	2°49	24°42	23°52	2°40	13°23	1°39	7° 9	24°14	23° 0	1°16	24°11	S 9
M10	23 44 21	24° 9'01	26° 9	14°38	4° 4	25°19	23°46	2°47	13°24	1°41	7° 9	24°D14	22°57	1°22	24°10	M10
T 11	23 48 18	25° 7'58	7♑57	16°27	5°19	25°57	23°40	2°55	13°24	1°43	7° 9	24°15	22°54	1°29	24° 9	T 11
W12	23 52 14	26° 6'57	19°49	18°16	6°34	26°35	23°35	3° 2	13°R24	1°45	7°D 9	24°R15	22°50	1°36	24° 8	W12
T 13	23 56 11	27° 5'58	1♒50	20° 5	7°48	27°12	23°29	3° 9	13°24	1°47	7° 9	24°15	22°47	1°42	24° 8	T 13
F 14	0 0 7	28° 5'01	14° 3	21°54	9° 3	27°50	23°24	3°17	13°23	1°49	7° 9	24°13	22°44	1°49	24° 7	F 14
S 15	0 4 4	29° 4'05	26°33	23°42	10°18	28°27	23°19	3°24	13°23	1°51	7° 9	24° 9	22°41	1°56	24° 6	S 15
S 16	0 8 0	0♎ 3'12	9♓22	25°30	11°33	29° 5	23°14	3°31	13°23	1°53	7° 9	24° 2	22°38	2° 2	24° 5	S 16
M17	0 11 57	1° 2'20	22°30	27°17	12°47	29°43	23° 9	3°39	13°23	1°55	7° 9	23°53	22°34	2° 9	24° 5	M17
T 18	0 15 54	2° 1'30	5♈58	29° 4	14° 2	0♍20	23° 5	3°46	13°23	1°57	7°10	23°42	22°31	2°16	24° 4	T 18
W19	0 19 50	3° 0'43	19°43	0♎50	15°17	0°58	23° 1	3°53	13°22	1°59	7°10	23°30	22°28	2°22	24° 4	W19
T 20	0 23 47	3°59'58	3♉40	2°35	16°31	1°35	22°56	4° 0	13°22	2° 1	7°10	23°20	22°25	2°29	24° 3	T 20
F 21	0 27 43	4°59'15	17°46	4°20	17°46	2°13	22°52	4° 8	13°21	2° 3	7°10	23°11	22°22	2°36	24° 3	F 21
S 22	0 31 40	5°58'34	1♊56	6° 3	19° 1	2°50	22°48	4°15	13°21	2° 5	7°11	23° 4	22°19	2°42	24° 3	S 22
S 23	0 35 36	6°57'56	16° 7	7°47	20°16	3°28	22°45	4°22	13°20	2° 7	7°11	23° 0	22°15	2°49	24° 3	S 23
M24	0 39 33	7°57'20	0♋16	9°29	21°30	4° 5	22°41	4°30	13°20	2° 9	7°11	22°59	22°12	2°56	24° 3	M24
T 25	0 43 29	8°56'46	14°22	11°11	22°45	4°42	22°38	4°37	13°19	2°11	7°12	22°D59	22° 9	3° 2	24°D 3	T 25
W26	0 47 26	9°56'15	28°24	12°52	24° 0	5°20	22°35	4°44	13°18	2°13	7°12	22°R59	22° 6	3° 9	24° 3	W26
T 27	0 51 23	10°55'46	12♌22	14°32	25°15	5°57	22°32	4°52	13°17	2°15	7°12	22°57	22° 3	3°16	24° 3	T 27
F 28	0 55 19	11°55'20	26°14	16°12	26°29	6°35	22°29	4°59	13°17	2°16	7°13	22°54	21°59	3°22	24° 3	F 28
S 29	0 59 16	12°54'55	9♍59	17°51	27°44	7°12	22°27	5° 6	13°16	2°18	7°13	22°48	21°56	3°29	24° 3	S 29
S 30	1 3 12	13♎54'33	23♍35	19♎29	28♎59	7♍49	22♒24	5♎14	13♊15	2♍20	7♑14	22♋38	21♋53	3♑36	24♑ 3	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n48	14n 6	2n58	13n 7	1n24	4n 3	1n19	16n 8	1n13	14s37	1s22	1n21	2n13	22n29	0n 0	11n47	0n49	22s47	0n33	21n11	21n30	21s31	14s27	6n59
S 2	5 25	9 41	3 54	12 40	1 31	3 33	1 18	15 56	1 13	14 40	1 22	1 18	2 13	22 29	0 0	11 47	0 49	22 48	0 33	21 12	21 30	21 32	14 28	6 59
M 3	5 2	4 51	4 34	12 11	1 37	3 2	1 17	15 44	1 13	14 42	1 22	1 15	2 13	22 30	0 0	11 46	0 49	22 48	0 33	21 14	21 31	21 32	14 28	6 58
T 4	4 39	0s 6	4 58	11 39	1 42	2 31	1 16	15 32	1 13	14 44	1 22	1 13	2 13	22 30	0 0	11 45	0 49	22 48	0 33	21 16	21 31	21 33	14 29	6 58
W 5	4 16	4 56	5 6	11 5	1 45	2 0	1 15	15 20	1 14	14 46	1 22	1 10	2 13	22 30	0 0	11 44	0 49	22 48	0 32	21 17	21 32	21 34	14 30	6 57
T 6	3 53	9 26	4 58	10 28	1 48	1 30	1 14	15 8	1 14	14 48	1 22	1 7	2 13	22 30	0 0	11 44	0 49	22 48	0 32	21 19	21 32	21 35	14 30	6 57
F 7	3 30	13 25	4 36	9 50	1 50	0 59	1 13	14 55	1 14	14 50	1 22	1 4	2 13	22 30	0 0	11 43	0 49	22 48	0 32	21 20	21 33	21 35	14 31	6 56
S 8	3 7	16 45	4 2	9 11	1 52	0 28	1 11	14 43	1 14	14 52	1 22	1 1	2 13	22 30	0 0	11 42	0 49	22 48	0 32	21 21	21 33	21 36	14 32	6 56
S 9	2 43	19 20	3 17	8 30	1 52	0s 3	1 10	14 31	1 14	14 54	1 22	0 58	2 13	22 30	0 0	11 41	0 49	22 48	0 32	21 21	21 34	21 37	14 32	6 56
M10	2 20	21 4	2 25	7 47	1 52	0 34	1 9	14 18	1 15	14 56	1 22	0 55	2 13	22 30	0 0	11 41	0 49	22 49	0 32	21 21	21 34	21 38	14 33	6 55
T 11	1 56	21 52	1 26	7 4	1 51	1 5	1 7	14 5	1 15	14 58	1 22	0 52	2 13	22 30	0 0	11 40	0 49	22 49	0 32	21 21	21 35	21 39	14 33	6 55
W12	1 33	21 40	0 24	6 20	1 49	1 36	1 6	13 53	1 15	15 0	1 22	0 49	2 13	22 30	0 0	11 39	0 49	22 49	0 32	21 21	21 35	21 39	14 34	6 54
T 13	1 9	20 29	0s40	5 35	1 47	2 7	1 4	13 40	1 15	15 1	1 22	0 46	2 13	22 30	0 0	11 38	0 49	22 49	0 32	21 21	21 36	21 40	14 35	6 54
F 14	0 46	18 20	1 44	4 49	1 44	2 38	1 3	13 27	1 15	15 3	1 21	0 44	2 13	22 30	0 0	11 38	0 49	22 49	0 31	21 21	21 36	21 41	14 35	6 53
S 15	0 22	15 16	2 43	4 3	1 41	3 9	1 1	13 14	1 16	15 5	1 21	0 41	2 13	22 30	0 0	11 37	0 49	22 49	0 31	21 22	21 37	21 41	14 36	6 53
S 16	0s 1	11 25	3 36	3 17	1 37	3 40	0 59	13 1	1 16	15 6	1 21	0 38	2 13	22 30	0 0	11 36	0 49	22 49	0 31	21 23	21 38	21 42	14 36	6 52
M17	0 25	6 56	4 19	2 30	1 33	4 11	0 58	12 48	1 16	15 8	1 21	0 35	2 13	22 30	0 0	11 36	0 49	22 49	0 31	21 25	21 38	21 43	14 37	6 52
T 18	0 49	2 2	4 48	1 44	1 29	4 42	0 56	12 35	1 16	15 9	1 21	0 32	2 13	22 30	0 0	11 35	0 49	22 49	0 31	21 27	21 39	21 44	14 37	6 51
W19	1 12	3n 5	5 1	0 57	1 24	5 13	0 54	12 22	1 16	15 10	1 21	0 29	2 13	22 30	0 0	11 34	0 49	22 49	0 31	21 29	21 39	21 44	14 38	6 51
T 20	1 36	8 7	4 57	0 10	1 19	5 43	0 52	12 9	1 17	15 12	1 21	0 26	2 13	22 30	0 0	11 34	0 49	22 50	0 31	21 30	21 40	21 45	14 39	6 50
F 21	1 59	12 47	4 35	0s36	1 13	6 14	0 50	11 55	1 17	15 13	1 21	0 23	2 13	22 30	0 0	11 33	0 49	22 50	0 31	21 32	21 40	21 46	14 39	6 50
S 22	2 23	16 46	3 56	1 23	1 8	6 44	0 48	11 42	1 17	15 14	1 21	0 20	2 13	22 30	0 0	11 32	0 49	22 50	0 31	21 33	21 41	21 46	14 40	6 50
S 23	2 47	19 47	3 2	2 9	1 2	7 14	0 46	11 28	1 17	15 15	1 20	0 18	2 13	22 30	0 0	11 32	0 49	22 50	0 30	21 34	21 41	21 47	14 40	6 49
M24	3 10	21 35	1 57	2 55	0 56	7 44	0 44	11 15	1 17	15 16	1 20	0 15	2 13	22 29	0 0	11 31	0 49	22 50	0 30	21 34	21 42	21 48	14 41	6 49
T 25	3 34	22 0	0 46	3 40	0 50	8 14	0 42	11 1	1 17	15 17	1 20	0 12	2 13	22 29	0 0	11 30	0 49	22 50	0 30	21 34	21 42	21 49	14 41	6 48
W26	3 57	21 2	0n29	4 26	0 44	8 44	0 40	10 48	1 18	15 18	1 20	0 9	2 13	22 29	0 0	11 30	0 49	22 50	0 30	21 34	21 43	21 49	14 42	6 48
T 27	4 20	18 46	1 41	5 11	0 37	9 13	0 38	10 34	1 18	15 19	1 20	0 6	2 13	22 29	0 0	11 29	0 49	22 50	0 30	21 34	21 43	21 50	14 42	6 47
F 28	4 44	15 26	2 46	5 55	0 31	9 42	0 36	10 20	1 18	15 20	1 20	0 3	2 13	22 29	0 0	11 28	0 49	22 50	0 30	21 35	21 44	21 51	14 42	6 47
S 29	5 7	11 16	3 41	6 39	0 24	10 11	0 33	10 7	1 18	15 20	1 20	0 0	2 13	22 29	0 0	11 28	0 49	22 50	0 30	21 36	21 44	21 51	14 43	6 46
S 30	5s30	6n35	4n23	7s23	0n18	10s40	0n31	9n53	1n18	15s21	1s19	0s 3	2n14	22n29	0n 0	11n27	0n49	22s50	0n30	21n37	21n45	21s52	14s43	6n46

Julian Day Number = 2186629.5, Delta T = 11m04s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'29, Lahiri = 13°44'30 Julian Calendar 1 Sept. 1274 == Greg. Calendar 8 Sept. 1274

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

OCTOBER 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 7 9	14♎54'13	6♎59	21♎ 7	0♏14	8♍27	22°R22	5♎21	13°R14	2♍22	7♑14	22°R27	21♋50	3♑42	24♑ 4	M 1
T 2	1 11 5	15°53'55	20°10	22°44	1°29	9° 4	22♒20	5°28	13♊13	2°23	7°15	22♋13	21°47	3°49	24° 4	T 2
W 3	1 15 2	16°53'40	3♏ 5	24°20	2°43	9°41	22°19	5°35	13°12	2°25	7°16	22° 0	21°44	3°55	24° 5	W 3
T 4	1 18 58	17°53'26	15°43	25°56	3°58	10°19	22°17	5°43	13°11	2°27	7°16	21°48	21°40	4° 2	24° 5	T 4
F 5	1 22 55	18°53'14	28° 5	27°31	5°13	10°56	22°16	5°50	13°10	2°29	7°17	21°37	21°37	4° 9	24° 6	F 5
S 6	1 26 51	19°53'04	10♐13	29° 6	6°28	11°33	22°15	5°57	13° 8	2°30	7°18	21°30	21°34	4°15	24° 7	S 6
S 7	1 30 48	20°52'55	22° 9	0♏40	7°42	12°10	22°14	6° 4	13° 7	2°32	7°18	21°25	21°31	4°22	24° 8	S 7
M 8	1 34 45	21°52'49	3♑59	2°14	8°57	12°47	22°13	6°11	13° 6	2°33	7°19	21°22	21°28	4°29	24° 9	M 8
T 9	1 38 41	22°52'44	15°46	3°47	10°12	13°25	22°12	6°18	13° 5	2°35	7°20	21°22	21°25	4°35	24°10	T 9
W10	1 42 38	23°52'41	27°37	5°19	11°27	14° 2	22°12	6°25	13° 3	2°37	7°21	21°22	21°21	4°42	24°11	W10
T 11	1 46 34	24°52'39	9♒37	6°51	12°41	14°39	22°D12	6°33	13° 2	2°38	7°22	21°21	21°18	4°49	24°12	T 11
F 12	1 50 31	25°52'40	21°50	8°23	13°56	15°16	22°12	6°40	13° 0	2°40	7°22	21°19	21°15	4°55	24°13	F 12
S 13	1 54 27	26°52'41	4♓23	9°54	15°11	15°53	22°12	6°47	12°59	2°41	7°23	21°14	21°12	5° 2	24°14	S 13
S 14	1 58 24	27°52'45	17°19	11°24	16°26	16°30	22°13	6°54	12°57	2°43	7°24	21° 7	21° 9	5° 9	24°15	S 14
M15	2 2 20	28°52'50	0♈40	12°55	17°40	17° 7	22°14	7° 1	12°56	2°44	7°25	20°58	21° 5	5°15	24°17	M15
T 16	2 6 17	29°52'57	14°25	14°24	18°55	17°44	22°14	7° 8	12°54	2°45	7°26	20°46	21° 2	5°22	24°18	T 16
W17	2 10 14	0♏53'05	28°31	15°53	20°10	18°21	22°16	7°15	12°52	2°47	7°27	20°34	20°59	5°29	24°20	W17
T 18	2 14 10	1°53'16	12♉55	17°22	21°24	18°58	22°17	7°21	12°51	2°48	7°28	20°22	20°56	5°35	24°21	T 18
F 19	2 18 7	2°53'28	27°28	18°50	22°39	19°35	22°18	7°28	12°49	2°49	7°29	20°12	20°53	5°42	24°23	F 19
S 20	2 22 3	3°53'43	12♊ 4	20°18	23°54	20°12	22°20	7°35	12°47	2°51	7°30	20° 5	20°50	5°49	24°25	S 20
S 21	2 26 0	4°53'59	26°37	21°45	25° 8	20°49	22°22	7°42	12°45	2°52	7°32	20° 1	20°46	5°55	24°27	S 21
M22	2 29 56	5°54'18	11♋ 2	23°11	26°23	21°26	22°24	7°49	12°43	2°53	7°33	19°59	20°43	6° 2	24°28	M22
T 23	2 33 53	6°54'38	25°15	24°37	27°38	22° 3	22°27	7°55	12°41	2°54	7°34	19°D59	20°40	6° 8	24°30	T 23
W24	2 37 49	7°55'01	9♌15	26° 2	28°53	22°40	22°29	8° 2	12°39	2°56	7°35	19°R59	20°37	6°15	24°32	W24
T 25	2 41 46	8°55'25	23° 3	27°27	0♐ 7	23°17	22°32	8° 9	12°37	2°57	7°36	19°58	20°34	6°22	24°34	T 25
F 26	2 45 43	9°55'52	6♍39	28°51	1°22	23°53	22°35	8°15	12°35	2°58	7°38	19°55	20°31	6°28	24°37	F 26
S 27	2 49 39	10°56'20	20° 3	0♐14	2°37	24°30	22°38	8°22	12°33	2°59	7°39	19°50	20°27	6°35	24°39	S 27
S 28	2 53 36	11°56'50	3♎15	1°35	3°51	25° 7	22°41	8°29	12°31	3° 0	7°40	19°41	20°24	6°42	24°41	S 28
M29	2 57 32	12°57'22	16°16	2°56	5° 6	25°44	22°45	8°35	12°29	3° 1	7°41	19°31	20°21	6°48	24°43	M29
T 30	3 1 29	13°57'56	29° 6	4°16	6°21	26°21	22°48	8°41	12°27	3° 2	7°43	19°19	20°18	6°55	24°46	T 30
W31	3 5 25	14♏58'31	11♏43	5♐34	7♐35	26♍57	22♒52	8♎48	12♊25	3♍ 3	7♑44	19♋ 6	20♋15	7♑ 2	24♑48	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s54	1n39	4n50	8s 6	0n11	11s 9	0n29	9n39	1n18	15s21	1s19	0s 5	2n14	22n29	0n 0	11n26	0n49	22s51	0n30	21n39	21n45	21s53	14s44	6n45
T 2	6 17	3s17	5 0	8 48	0 4	11 37	0 27	9 25	1 19	15 22	1 19	0 8	2 14	22 29	0 0	11 26	0 49	22 51	0 29	21 41	21 46	21 53	14 44	6 45
W 3	6 40	7 58	4 55	9 31	0s 2	12 5	0 24	9 11	1 19	15 22	1 19	0 11	2 14	22 29	0 0	11 25	0 49	22 51	0 29	21 44	21 46	21 54	14 45	6 44
T 4	7 3	12 13	4 35	10 12	0 9	12 33	0 22	8 57	1 19	15 23	1 19	0 14	2 14	22 28	0 0	11 25	0 49	22 51	0 29	21 46	21 47	21 55	14 45	6 44
F 5	7 26	15 52	4 2	10 53	0 16	13 0	0 19	8 43	1 19	15 23	1 19	0 17	2 14	22 28	0 0	11 24	0 49	22 51	0 29	21 47	21 47	21 55	14 45	6 43
S 6	7 48	18 47	3 19	11 33	0 23	13 28	0 17	8 29	1 19	15 23	1 18	0 19	2 14	22 28	0 0	11 24	0 49	22 51	0 29	21 49	21 48	21 56	14 46	6 43
S 7	8 11	20 50	2 28	12 13	0 30	13 54	0 14	8 15	1 19	15 23	1 18	0 22	2 14	22 28	0 0	11 23	0 50	22 51	0 29	21 49	21 48	21 56	14 46	6 42
M 8	8 33	21 58	1 31	12 52	0 36	14 21	0 12	8 0	1 20	15 23	1 18	0 25	2 14	22 28	0 0	11 22	0 50	22 51	0 29	21 50	21 49	21 57	14 46	6 42
T 9	8 56	22 6	0 30	13 30	0 43	14 47	0 9	7 46	1 20	15 23	1 18	0 28	2 14	22 28	0 0	11 22	0 50	22 51	0 29	21 50	21 49	21 58	14 47	6 41
W10	9 18	21 16	0s33	14 7	0 50	15 13	0 7	7 32	1 20	15 23	1 18	0 30	2 14	22 28	0 0	11 21	0 50	22 51	0 29	21 50	21 50	21 58	14 47	6 41
T 11	9 40	19 27	1 35	14 44	0 56	15 38	0 4	7 18	1 20	15 23	1 18	0 33	2 14	22 27	0 0	11 21	0 50	22 51	0 28	21 50	21 50	21 59	14 47	6 40
F 12	10 2	16 42	2 34	15 20	1 3	16 3	0 2	7 3	1 20	15 23	1 17	0 36	2 14	22 27	0 0	11 20	0 50	22 51	0 28	21 50	21 51	21 59	14 47	6 40
S 13	10 24	13 9	3 27	15 56	1 9	16 28	0s 1	6 49	1 20	15 23	1 17	0 39	2 14	22 27	0 0	11 20	0 50	22 51	0 28	21 51	21 51	22 0	14 48	6 39
S 14	10 46	8 52	4 11	16 30	1 15	16 52	0 3	6 35	1 20	15 22	1 17	0 41	2 15	22 27	0 0	11 19	0 50	22 51	0 28	21 52	21 52	22 1	14 48	6 39
M15	11 7	4 3	4 42	17 4	1 21	17 16	0 6	6 20	1 21	15 22	1 17	0 44	2 15	22 27	0 0	11 19	0 50	22 51	0 28	21 54	21 52	22 1	14 48	6 38
T 16	11 28	1n 7	4 59	17 37	1 27	17 39	0 8	6 6	1 21	15 22	1 17	0 47	2 15	22 26	0 0	11 18	0 50	22 52	0 28	21 55	21 53	22 2	14 48	6 38
W17	11 50	6 21	4 58	18 9	1 33	18 2	0 11	5 52	1 21	15 21	1 17	0 49	2 15	22 26	0 0	11 18	0 50	22 52	0 28	21 57	21 53	22 2	14 49	6 37
T 18	12 11	11 21	4 38	18 40	1 39	18 24	0 14	5 37	1 21	15 20	1 16	0 52	2 15	22 26	0 0	11 17	0 50	22 52	0 28	21 59	21 54	22 3	14 49	6 37
F 19	12 31	15 46	4 0	19 10	1 44	18 46	0 16	5 23	1 21	15 20	1 16	0 55	2 15	22 26	0 0	11 17	0 50	22 52	0 28	22 0	21 54	22 4	14 49	6 36
S 20	12 52	19 15	3 6	19 39	1 50	19 7	0 19	5 8	1 21	15 19	1 16	0 57	2 15	22 26	0 0	11 17	0 50	22 52	0 27	22 1	21 55	22 4	14 49	6 36
S 21	13 12	21 29	2 1	20 7	1 55	19 28	0 21	4 54	1 21	15 18	1 16	1 0	2 15	22 25	0 1	11 16	0 50	22 52	0 27	22 2	21 55	22 5	14 49	6 36
M22	13 32	22 17	0 47	20 34	2 0	19 49	0 24	4 39	1 21	15 17	1 16	1 2	2 15	22 25	0 1	11 16	0 50	22 52	0 27	22 2	21 56	22 5	14 49	6 35
T 23	13 52	21 38	0n28	21 0	2 4	20 8	0 26	4 25	1 21	15 16	1 15	1 5	2 16	22 25	0 1	11 15	0 50	22 52	0 27	22 2	21 56	22 6	14 50	6 35
W24	14 12	19 37	1 41	21 25	2 9	20 28	0 29	4 10	1 22	15 15	1 15	1 7	2 16	22 25	0 1	11 15	0 50	22 52	0 27	22 2	21 57	22 6	14 50	6 34
T 25	14 32	16 30	2 46	21 49	2 13	20 46	0 32	3 56	1 22	15 14	1 15	1 10	2 16	22 24	0 1	11 15	0 50	22 52	0 27	22 2	21 57	22 7	14 50	6 34
F 26	14 51	12 32	3 41	22 12	2 17	21 4	0 34	3 41	1 22	15 13	1 15	1 12	2 16	22 24	0 1	11 14	0 50	22 52	0 27	22 3	21 58	22 7	14 50	6 33
S 27	15 10	7 59	4 23	22 34	2 20	21 22	0 37	3 27	1 22	15 12	1 15	1 15	2 16	22 24	0 1	11 14	0 50	22 52	0 27	22 4	21 58	22 8	14 50	6 33
S 28	15 29	3 8	4 50	22 54	2 23	21 39	0 39	3 12	1 22	15 11	1 15	1 17	2 16	22 24	0 1	11 13	0 50	22 52	0 27	22 5	21 59	22 9	14 50	6 32
M29	15 47	1s47	5 2	23 13	2 26	21 55	0 42	2 58	1 22	15 10	1 14	1 20	2 16	22 23	0 1	11 13	0 50	22 52	0 27	22 6	21 59	22 9	14 50	6 32
T 30	16 6	6 33	4 58	23 31	2 29	22 11	0 44	2 43	1 22	15 8	1 14	1 22	2 17	22 23	0 1	11 13	0 50	22 52	0 26	22 8	22 0	22 10	14 50	6 32
W31	16s24	10s58	4n40	23s47	2s31	22s26	0s47	2n28	1n22	15s 7	1s14	1s25	2n17	22n23	0n 1	11n12	0n50	22s52	0n26	22n10	22n 0	22s10	14s50	6n31

Julian Day Number = 2186659.5, Delta T = 11m04s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'33, Lahiri = 13°44'34 Julian Calendar 1 Oct. 1274 == Greg. Calendar 8 Oct. 1274

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

NOVEMBER 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 9 22	15♏59'08	24♏ 7	6♐51	8♐50	27♍34	22♒56	8♎54	12°R23	3♍ 4	7♑46	18°R55	20♋11	7♑ 8	24♑51	T 1
F 2	3 13 18	16°59'47	6♐20	8° 7	10° 5	28°11	23° 0	9° 1	12♊20	3° 5	7°47	18♋45	20° 8	7°15	24°53	F 2
S 3	3 17 15	18° 0'27	18°21	9°20	11°19	28°47	23° 5	9° 7	12°18	3° 6	7°48	18°38	20° 5	7°22	24°56	S 3
S 4	3 21 12	19° 1'08	0♑14	10°31	12°34	29°24	23°10	9°13	12°16	3° 6	7°50	18°34	20° 2	7°28	24°58	S 4
M 5	3 25 8	20° 1'50	12° 2	11°40	13°48	0♎ 0	23°14	9°19	12°14	3° 7	7°51	18°32	19°59	7°35	25° 1	M 5
T 6	3 29 5	21° 2'34	23°48	12°46	15° 3	0°37	23°19	9°25	12°11	3° 8	7°53	18°D32	19°56	7°42	25° 4	T 6
W 7	3 33 1	22° 3'19	5♒37	13°48	16°18	1°14	23°25	9°31	12° 9	3° 9	7°54	18°33	19°52	7°48	25° 7	W 7
T 8	3 36 58	23° 4'05	17°34	14°47	17°32	1°50	23°30	9°37	12° 7	3°10	7°56	18°R33	19°49	7°55	25°10	T 8
F 9	3 40 54	24° 4'52	29°45	15°42	18°47	2°26	23°35	9°43	12° 4	3°10	7°58	18°33	19°46	8° 2	25°13	F 9
S 10	3 44 51	25° 5'39	12♓15	16°32	20° 1	3° 3	23°41	9°49	12° 2	3°11	7°59	18°32	19°43	8° 8	25°16	S 10
S 11	3 48 47	26° 6'28	25° 8	17°17	21°16	3°39	23°47	9°55	11°59	3°11	8° 1	18°28	19°40	8°15	25°19	S 11
M12	3 52 44	27° 7'18	8♈29	17°56	22°30	4°16	23°53	10° 1	11°57	3°12	8° 2	18°22	19°36	8°21	25°22	M12
T 13	3 56 41	28° 8'09	22°18	18°27	23°45	4°52	23°59	10° 6	11°54	3°13	8° 4	18°14	19°33	8°28	25°25	T 13
W14	4 0 37	29° 9'01	6♉34	18°52	25° 0	5°28	24° 6	10°12	11°52	3°13	8° 6	18° 6	19°30	8°35	25°28	W14
T 15	4 4 34	0♗ 9'53	21°12	19° 7	26°14	6° 5	24°12	10°18	11°50	3°13	8° 7	17°58	19°27	8°41	25°32	T 15
F 16	4 8 30	1°10'47	6♊ 6	19°R14	27°29	6°41	24°19	10°23	11°47	3°14	8° 9	17°51	19°24	8°48	25°35	F 16
S 17	4 12 27	2°11'42	21° 6	19°10	28°43	7°17	24°26	10°29	11°45	3°14	8°11	17°47	19°21	8°55	25°39	S 17
S 18	4 16 23	3°12'39	6♋ 5	18°56	29°57	7°53	24°33	10°34	11°42	3°15	8°12	17°44	19°17	9° 1	25°42	S 18
M19	4 20 20	4°13'36	20°53	18°31	1♑12	8°30	24°40	10°39	11°39	3°15	8°14	17°D44	19°14	9° 8	25°45	M19
T 20	4 24 16	5°14'35	5♌25	17°54	2°26	9° 6	24°48	10°45	11°37	3°15	8°16	17°44	19°11	9°15	25°49	T 20
W21	4 28 13	6°15'35	19°38	17° 6	3°41	9°42	24°55	10°50	11°34	3°16	8°18	17°46	19° 8	9°21	25°53	W21
T 22	4 32 10	7°16'35	3♍30	16° 7	4°55	10°18	25° 3	10°55	11°32	3°16	8°20	17°R47	19° 5	9°28	25°56	T 22
F 23	4 36 6	8°17'38	17° 2	15° 0	6°10	10°54	25°11	11° 0	11°29	3°16	8°21	17°46	19° 2	9°35	26° 0	F 23
S 24	4 40 3	9°18'41	0♎16	13°44	7°24	11°30	25°19	11° 5	11°27	3°16	8°23	17°44	18°58	9°41	26° 4	S 24
S 25	4 43 59	10°19'45	13°14	12°24	8°38	12° 6	25°27	11°10	11°24	3°16	8°25	17°41	18°55	9°48	26° 7	S 25
M26	4 47 56	11°20'50	25°57	11° 1	9°53	12°42	25°35	11°15	11°22	3°16	8°27	17°35	18°52	9°55	26°11	M26
T 27	4 51 52	12°21'56	8♏28	9°39	11° 7	13°18	25°44	11°19	11°19	3°16	8°29	17°29	18°49	10° 1	26°15	T 27
W28	4 55 49	13°23'03	20°47	8°19	12°21	13°54	25°52	11°24	11°16	3°R16	8°31	17°22	18°46	10° 8	26°19	W28
T 29	4 59 45	14°24'11	2♐57	7° 6	13°36	14°29	26° 1	11°28	11°14	3°16	8°33	17°16	18°42	10°14	26°23	T 29
F 30	5 3 42	15♐25'20	14♐58	5♐59	14♑50	15♎ 5	26♒10	11♎33	11♊11	3♍16	8♑34	17♋11	18♋39	10♑21	26♑27	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s41	14s52	4n 8	24s 2	2s32	22s40	0s49	2n14	1n22	15s 5	1s14	1s27	2n17	22n23	0n 1	11n12	0n50	22s52	0n26	22n12	22n 0	22s11	14s50	6n31
F 2	16 59	18 4	3 26	24 16	2 33	22 54	0 52	1 59	1 22	15 4	1 14	1 29	2 17	22 22	0 1	11 12	0 50	22 52	0 26	22 13	22 1	22 11	14 50	6 30
S 3	17 16	20 28	2 34	24 28	2 33	23 7	0 54	1 45	1 23	15 2	1 13	1 32	2 17	22 22	0 1	11 12	0 50	22 52	0 26	22 14	22 1	22 12	14 50	6 30
S 4	17 33	21 55	1 36	24 38	2 33	23 19	0 56	1 30	1 23	15 0	1 13	1 34	2 17	22 22	0 1	11 11	0 50	22 52	0 26	22 14	22 2	22 12	14 50	6 29
M 5	17 49	22 24	0 35	24 47	2 32	23 31	0 59	1 16	1 23	14 58	1 13	1 36	2 17	22 21	0 1	11 11	0 51	22 52	0 26	22 15	22 2	22 13	14 50	6 29
T 6	18 5	21 54	0s28	24 55	2 31	23 42	1 1	1 1	1 23	14 57	1 13	1 38	2 18	22 21	0 1	11 11	0 51	22 52	0 26	22 15	22 3	22 13	14 50	6 29
W 7	18 21	20 24	1 31	25 0	2 29	23 52	1 3	0 47	1 23	14 55	1 13	1 41	2 18	22 21	0 1	11 11	0 51	22 52	0 26	22 15	22 3	22 13	14 50	6 28
T 8	18 37	18 0	2 30	25 4	2 25	24 2	1 5	0 32	1 23	14 53	1 13	1 43	2 18	22 21	0 1	11 10	0 51	22 52	0 26	22 14	22 4	22 14	14 50	6 28
F 9	18 52	14 46	3 23	25 6	2 21	24 11	1 8	0 18	1 23	14 51	1 12	1 45	2 18	22 20	0 1	11 10	0 51	22 52	0 25	22 14	22 4	22 14	14 49	6 27
S 10	19 7	10 49	4 8	25 6	2 16	24 19	1 10	0 3	1 23	14 49	1 12	1 47	2 18	22 20	0 1	11 10	0 51	22 52	0 25	22 15	22 5	22 15	14 49	6 27
S 11	19 21	6 16	4 43	25 5	2 10	24 26	1 12	0s11	1 23	14 47	1 12	1 49	2 18	22 20	0 1	11 10	0 51	22 52	0 25	22 15	22 5	22 15	14 49	6 27
M12	19 36	1 16	5 3	25 1	2 3	24 33	1 14	0 26	1 23	14 44	1 12	1 51	2 19	22 19	0 1	11 10	0 51	22 52	0 25	22 16	22 6	22 16	14 49	6 26
T 13	19 49	3n58	5 7	24 56	1 54	24 39	1 16	0 40	1 23	14 42	1 12	1 53	2 19	22 19	0 1	11 9	0 51	22 52	0 25	22 17	22 6	22 16	14 49	6 26
W14	20 3	9 10	4 52	24 48	1 44	24 44	1 18	0 54	1 23	14 40	1 12	1 55	2 19	22 19	0 1	11 9	0 51	22 52	0 25	22 18	22 7	22 17	14 49	6 25
T 15	20 16	13 59	4 18	24 38	1 33	24 49	1 20	1 9	1 23	14 38	1 11	1 58	2 19	22 18	0 1	11 9	0 51	22 52	0 25	22 19	22 7	22 17	14 48	6 25
F 16	20 29	18 2	3 26	24 26	1 21	24 52	1 22	1 23	1 23	14 35	1 11	1 59	2 19	22 18	0 1	11 9	0 51	22 52	0 25	22 20	22 7	22 18	14 48	6 25
S 17	20 41	20 55	2 19	24 12	1 6	24 55	1 24	1 37	1 23	14 33	1 11	2 1	2 20	22 18	0 1	11 9	0 51	22 52	0 25	22 21	22 8	22 18	14 48	6 24
S 18	20 53	22 21	1 3	23 55	0 51	24 57	1 26	1 52	1 24	14 30	1 11	2 3	2 20	22 17	0 1	11 9	0 51	22 52	0 24	22 21	22 8	22 18	14 48	6 24
M19	21 4	22 11	0n17	23 36	0 34	24 59	1 27	2 6	1 24	14 28	1 11	2 5	2 20	22 17	0 1	11 9	0 51	22 52	0 24	22 21	22 9	22 19	14 47	6 24
T 20	21 15	20 31	1 35	23 14	0 16	25 0	1 29	2 20	1 24	14 25	1 11	2 7	2 20	22 17	0 1	11 9	0 51	22 52	0 24	22 21	22 9	22 19	14 47	6 23
W21	21 26	17 35	2 45	22 51	0n 3	24 59	1 31	2 34	1 24	14 22	1 10	2 9	2 20	22 16	0 1	11 9	0 51	22 52	0 24	22 21	22 10	22 20	14 47	6 23
T 22	21 37	13 43	3 43	22 25	0 23	24 59	1 32	2 49	1 24	14 20	1 10	2 11	2 21	22 16	0 1	11 9	0 51	22 52	0 24	22 21	22 10	22 20	14 46	6 23
F 23	21 46	9 14	4 28	21 58	0 44	24 57	1 34	3 3	1 24	14 17	1 10	2 13	2 21	22 16	0 1	11 9	0 51	22 52	0 24	22 21	22 11	22 20	14 46	6 22
S 24	21 56	4 26	4 57	21 29	1 4	24 55	1 35	3 17	1 24	14 14	1 10	2 14	2 21	22 15	0 1	11 9	0 51	22 52	0 24	22 21	22 11	22 21	14 46	6 22
S 25	22 5	0s29	5 10	20 59	1 24	24 51	1 37	3 31	1 24	14 11	1 10	2 16	2 21	22 15	0 1	11 9	0 51	22 52	0 24	22 22	22 11	22 21	14 45	6 22
M26	22 14	5 17	5 8	20 30	1 42	24 47	1 38	3 45	1 24	14 8	1 10	2 18	2 21	22 15	0 1	11 9	0 51	22 52	0 24	22 22	22 12	22 22	14 45	6 21
T 27	22 22	9 47	4 51	20 1	1 59	24 43	1 39	3 59	1 24	14 5	1 9	2 19	2 22	22 14	0 1	11 9	0 51	22 52	0 24	22 23	22 12	22 22	14 45	6 21
W28	22 30	13 50	4 20	19 34	2 15	24 37	1 40	4 13	1 24	14 2	1 9	2 21	2 22	22 14	0 1	11 9	0 51	22 52	0 24	22 24	22 13	22 22	14 44	6 21
T 29	22 37	17 15	3 38	19 9	2 28	24 31	1 42	4 27	1 24	13 59	1 9	2 23	2 22	22 14	0 1	11 9	0 51	22 52	0 23	22 25	22 13	22 23	14 44	6 20
F 30	22s44	19s55	2n47	18s48	2n38	24s24	1s43	4s41	1n24	13s56	1s 9	2s24	2n22	22n13	0n 1	11n 9	0n52	22s52	0n23	22n25	22n14	22s23	14s43	6n20

Julian Day Number = 2186690.5, Delta T = 11m04s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'38, Lahiri = 13°44'38 Julian Calendar 1 Nov. 1274 == Greg. Calendar 8 Nov. 1274

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ASTRODIENST EPHEMERIS for the year 1274
geocentric

DECEMBER 1274 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 7 39	16♐26'29	26♐52	5°R 3	16♑ 4	15♎41	26♒19	11♎37	11°R 9	3°R16	8♑36	17°R 8	18♋36	10♑28	26♑31	S 1
S 2	5 11 35	17°27'38	8♑41	4♐16	17°18	16°17	26°28	11°42	11♊ 6	3♍16	8°38	17♋ 6	18°33	10°34	26°35	S 2
M 3	5 15 32	18°28'48	20°28	3°40	18°33	16°52	26°37	11°46	11° 4	3°16	8°40	17°D 5	18°30	10°41	26°39	M 3
T 4	5 19 28	19°29'59	2♒14	3°15	19°47	17°28	26°47	11°50	11° 1	3°16	8°42	17° 6	18°27	10°48	26°43	T 4
W 5	5 23 25	20°31'09	14° 4	3° 1	21° 1	18° 3	26°56	11°54	10°59	3°16	8°44	17° 8	18°23	10°54	26°47	W 5
T 6	5 27 21	21°32'20	26° 2	2°D57	22°15	18°39	27° 6	11°58	10°56	3°15	8°46	17°10	18°20	11° 1	26°52	T 6
F 7	5 31 18	22°33'31	8♓11	3° 2	23°29	19°14	27°16	12° 2	10°54	3°15	8°48	17°11	18°17	11° 8	26°56	F 7
S 8	5 35 14	23°34'41	20°37	3°16	24°43	19°50	27°25	12° 6	10°51	3°15	8°50	17°R12	18°14	11°14	27° 0	S 8
S 9	5 39 11	24°35'52	3♈25	3°39	25°57	20°25	27°35	12°10	10°49	3°14	8°52	17°12	18°11	11°21	27° 5	S 9
M10	5 43 8	25°37'03	16°37	4° 8	27°11	21° 0	27°46	12°13	10°46	3°14	8°54	17°10	18° 8	11°28	27° 9	M10
T 11	5 47 4	26°38'13	0♉18	4°44	28°25	21°36	27°56	12°17	10°44	3°14	8°56	17° 8	18° 4	11°34	27°13	T 11
W12	5 51 1	27°39'24	14°27	5°26	29°39	22°11	28° 6	12°20	10°41	3°13	8°58	17° 6	18° 1	11°41	27°18	W12
T 13	5 54 57	28°40'34	29° 2	6°13	0♒53	22°46	28°17	12°24	10°39	3°13	9° 0	17° 3	17°58	11°48	27°22	T 13
F 14	5 58 54	29°41'45	13♊59	7° 5	2° 7	23°21	28°27	12°27	10°37	3°12	9° 2	17° 1	17°55	11°54	27°27	F 14
S 15	6 2 50	0♑42'55	29° 9	8° 1	3°21	23°56	28°38	12°30	10°34	3°12	9° 4	16°59	17°52	12° 1	27°31	S 15
S 16	6 6 47	1°44'05	14♋23	9° 0	4°35	24°31	28°49	12°33	10°32	3°11	9° 6	16°D59	17°48	12° 7	27°36	S 16
M17	6 10 44	2°45'16	29°31	10° 3	5°48	25° 6	29° 0	12°36	10°30	3°10	9° 8	16°59	17°45	12°14	27°40	M17
T 18	6 14 40	3°46'26	14♌25	11° 9	7° 2	25°41	29°11	12°39	10°27	3°10	9°10	17° 0	17°42	12°21	27°45	T 18
W19	6 18 37	4°47'37	28°57	12°17	8°16	26°16	29°22	12°42	10°25	3° 9	9°12	17° 1	17°39	12°27	27°49	W19
T 20	6 22 33	5°48'47	13♍ 4	13°27	9°29	26°51	29°33	12°45	10°23	3° 8	9°14	17° 2	17°36	12°34	27°54	T 20
F 21	6 26 30	6°49'58	26°46	14°40	10°43	27°26	29°45	12°47	10°21	3° 8	9°16	17° 2	17°33	12°41	27°58	F 21
S 22	6 30 26	7°51'08	10♎ 3	15°54	11°56	28° 0	29°56	12°50	10°18	3° 7	9°18	17°R 3	17°29	12°47	28° 3	S 22
S 23	6 34 23	8°52'19	22°57	17°10	13°10	28°35	0♓ 8	12°52	10°16	3° 6	9°20	17° 2	17°26	12°54	28° 8	S 23
M24	6 38 19	9°53'30	5♏32	18°28	14°23	29°10	0°20	12°55	10°14	3° 5	9°22	17° 2	17°23	13° 1	28°12	M24
T 25	6 42 16	10°54'40	17°51	19°47	15°37	29°44	0°31	12°57	10°12	3° 4	9°24	17° 1	17°20	13° 7	28°17	T 25
W26	6 46 13	11°55'51	29°59	21° 7	16°50	0♏19	0°43	12°59	10°10	3° 4	9°26	17° 0	17°17	13°14	28°22	W26
T 27	6 50 9	12°57'01	11♐57	22°28	18° 3	0°53	0°55	13° 1	10° 8	3° 3	9°29	16°59	17°14	13°21	28°27	T 27
F 28	6 54 6	13°58'11	23°49	23°51	19°17	1°27	1° 7	13° 3	10° 6	3° 2	9°31	16°59	17°10	13°27	28°31	F 28
S 29	6 58 2	14°59'20	5♑38	25°14	20°30	2° 2	1°19	13° 5	10° 4	3° 1	9°33	16°59	17° 7	13°34	28°36	S 29
S 30	7 1 59	16° 0'29	17°25	26°38	21°43	2°36	1°31	13° 7	10° 2	3° 0	9°35	16°D59	17° 4	13°41	28°41	S 30
M31	7 5 55	17♑ 1'38	29♑12	28♐ 3	22♒56	3♏10	1♓44	13♎ 8	10♊ 0	2♍59	9♑37	16°R59	17♋ 1	13♑47	28♑46	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s50	21s41	1n49	18s29	2n47	24s17	1s44	4s54	1n24	13s52	1s 9	2s26	2n23	22n13	0n 1	11n 9	0n52	22s52	0n23	22n26	22n14	22s23	14s43	6n20
S 2	22 56	22 29	0 46	18 15	2 53	24 8	1 45	5 8	1 24	13 49	1 9	2 27	2 23	22 13	0 1	11 9	0 52	22 52	0 23	22 26	22 15	22 24	14 42	6 20
M 3	23 2	22 16	0s19	18 5	2 57	23 59	1 45	5 22	1 24	13 46	1 9	2 29	2 23	22 12	0 1	11 9	0 52	22 52	0 23	22 26	22 15	22 24	14 42	6 19
T 4	23 7	21 5	1 22	17 58	2 58	23 49	1 46	5 36	1 24	13 43	1 8	2 30	2 23	22 12	0 1	11 9	0 52	22 52	0 23	22 26	22 15	22 24	14 41	6 19
W 5	23 12	18 57	2 23	17 55	2 58	23 39	1 47	5 49	1 24	13 39	1 8	2 31	2 24	22 12	0 1	11 9	0 52	22 52	0 23	22 26	22 16	22 25	14 41	6 19
T 6	23 16	16 0	3 18	17 56	2 57	23 27	1 48	6 3	1 24	13 36	1 8	2 33	2 24	22 11	0 1	11 9	0 52	22 52	0 23	22 26	22 16	22 25	14 40	6 19
F 7	23 19	12 20	4 6	18 0	2 54	23 15	1 48	6 16	1 24	13 32	1 8	2 34	2 24	22 11	0 1	11 9	0 52	22 52	0 23	22 25	22 17	22 25	14 40	6 18
S 8	23 23	8 3	4 43	18 6	2 50	23 3	1 49	6 30	1 24	13 29	1 8	2 35	2 24	22 11	0 1	11 10	0 52	22 52	0 23	22 25	22 17	22 26	14 39	6 18
S 9	23 25	3 20	5 7	18 16	2 45	22 49	1 49	6 43	1 24	13 25	1 8	2 36	2 25	22 10	0 1	11 10	0 52	22 52	0 22	22 25	22 18	22 26	14 39	6 18
M10	23 28	1n42	5 16	18 27	2 39	22 35	1 49	6 56	1 24	13 21	1 8	2 38	2 25	22 10	0 1	11 10	0 52	22 52	0 22	22 25	22 18	22 26	14 38	6 18
T 11	23 29	6 49	5 8	18 40	2 33	22 21	1 50	7 10	1 24	13 18	1 8	2 39	2 25	22 10	0 1	11 10	0 52	22 52	0 22	22 26	22 18	22 27	14 37	6 17
W12	23 31	11 46	4 41	18 54	2 26	22 5	1 50	7 23	1 23	13 14	1 7	2 40	2 25	22 9	0 1	11 10	0 52	22 52	0 22	22 26	22 19	22 27	14 37	6 17
T 13	23 32	16 12	3 55	19 9	2 19	21 49	1 50	7 36	1 23	13 10	1 7	2 41	2 26	22 9	0 1	11 10	0 52	22 52	0 22	22 26	22 19	22 27	14 36	6 17
F 14	23 32	19 42	2 53	19 26	2 11	21 33	1 50	7 49	1 23	13 6	1 7	2 42	2 26	22 9	0 1	11 11	0 52	22 51	0 22	22 27	22 20	22 28	14 36	6 17
S 15	23 32	21 55	1 37	19 43	2 3	21 16	1 50	8 2	1 23	13 2	1 7	2 43	2 26	22 8	0 1	11 11	0 52	22 51	0 22	22 27	22 20	22 28	14 35	6 17
S 16	23 31	22 31	0 14	20 0	1 54	20 58	1 50	8 15	1 23	12 59	1 7	2 44	2 26	22 8	0 1	11 11	0 52	22 51	0 22	22 27	22 21	22 28	14 34	6 16
M17	23 30	21 27	1n 9	20 18	1 46	20 40	1 49	8 28	1 23	12 55	1 7	2 45	2 27	22 8	0 1	11 11	0 52	22 51	0 22	22 27	22 21	22 28	14 34	6 16
T 18	23 29	18 54	2 26	20 36	1 37	20 21	1 49	8 41	1 23	12 51	1 7	2 46	2 27	22 7	0 1	11 12	0 52	22 51	0 22	22 27	22 21	22 29	14 33	6 16
W19	23 27	15 12	3 33	20 53	1 29	20 1	1 49	8 53	1 23	12 47	1 7	2 47	2 27	22 7	0 1	11 12	0 52	22 51	0 22	22 27	22 22	22 29	14 32	6 16
T 20	23 24	10 44	4 24	21 11	1 20	19 41	1 48	9 6	1 23	12 42	1 6	2 48	2 27	22 7	0 1	11 12	0 52	22 51	0 21	22 27	22 22	22 29	14 31	6 16
F 21	23 21	5 51	4 58	21 28	1 11	19 20	1 48	9 19	1 23	12 38	1 6	2 48	2 28	22 6	0 1	11 13	0 52	22 51	0 21	22 26	22 23	22 29	14 31	6 15
S 22	23 18	0 50	5 15	21 45	1 3	18 59	1 47	9 31	1 23	12 34	1 6	2 49	2 28	22 6	0 1	11 13	0 52	22 51	0 21	22 26	22 23	22 30	14 30	6 15
S 23	23 14	4s 4	5 16	22 1	0 54	18 38	1 46	9 44	1 23	12 30	1 6	2 50	2 28	22 6	0 1	11 13	0 52	22 51	0 21	22 27	22 23	22 30	14 29	6 15
M24	23 10	8 41	5 1	22 16	0 46	18 15	1 45	9 56	1 23	12 26	1 6	2 50	2 28	22 5	0 1	11 14	0 52	22 51	0 21	22 27	22 24	22 30	14 28	6 15
T 25	23 5	12 51	4 33	22 31	0 37	17 53	1 44	10 8	1 22	12 22	1 6	2 51	2 29	22 5	0 1	11 14	0 52	22 51	0 21	22 27	22 24	22 30	14 28	6 15
W26	23 0	16 26	3 53	22 45	0 29	17 30	1 43	10 20	1 22	12 17	1 6	2 52	2 29	22 5	0 1	11 14	0 52	22 51	0 21	22 27	22 25	22 31	14 27	6 15
T 27	22 54	19 17	3 3	22 58	0 21	17 6	1 42	10 33	1 22	12 13	1 6	2 52	2 29	22 4	0 1	11 15	0 53	22 51	0 21	22 27	22 25	22 31	14 26	6 15
F 28	22 48	21 18	2 5	23 11	0 13	16 42	1 41	10 45	1 22	12 8	1 6	2 53	2 30	22 4	0 1	11 15	0 53	22 51	0 21	22 27	22 25	22 31	14 25	6 15
S 29	22 41	22 22	1 3	23 22	0 5	16 17	1 40	10 57	1 22	12 4	1 6	2 53	2 30	22 4	0 1	11 15	0 53	22 51	0 21	22 27	22 26	22 31	14 24	6 14
S 30	22 34	22 26	0s 2	23 32	0s 3	15 52	1 38	11 8	1 22	12 0	1 6	2 53	2 30	22 4	0 1	11 16	0 53	22 51	0 21	22 27	22 26	22 31	14 24	6 14
M31	22s27	21s30	1s 8	23s42	0s11	15s27	1s37	11s20	1n22	11s55	1s 5	2s54	2n30	22n 3	0n 1	11n16	0n53	22s51	0n20	22n27	22n27	22s32	14s23	6n14

Julian Day Number = 2186720.5, Delta T = 11m04s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'42, Lahiri = 13°44'42 Julian Calendar 1 Dec. 1274 == Greg. Calendar 8 Dec. 1274

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ASTRODIENST EPHEMERIS for the year 1275
geocentric

JANUARY 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 9 52	18♑ 2'46	11♒ 3	29♐29	24♒ 9	3♏44	1♓56	13♎10	9°R58	2°R58	9♑39	16°R59	16♋58	13♑54	28♑50	T 1
W 2	7 13 48	19° 3'52	22°59	0♑56	25°22	4°18	2° 9	13°11	9♊56	2♍57	9°41	16♋59	16°54	14° 0	28°55	W 2
T 3	7 17 45	20° 4'58	5♓ 3	2°23	26°35	4°52	2°21	13°12	9°54	2°55	9°43	16°58	16°51	14° 7	29° 0	T 3
F 4	7 21 42	21° 6'04	17°17	3°52	27°48	5°25	2°34	13°13	9°53	2°54	9°45	16°58	16°48	14°14	29° 5	F 4
S 5	7 25 38	22° 7'08	29°45	5°21	29° 1	5°59	2°46	13°15	9°51	2°53	9°47	16°57	16°45	14°20	29°10	S 5
S 6	7 29 35	23° 8'11	12♈31	6°50	0♓13	6°33	2°59	13°16	9°49	2°52	9°49	16°57	16°42	14°27	29°15	S 6
M 7	7 33 31	24° 9'13	25°37	8°20	1°26	7° 6	3°12	13°16	9°48	2°51	9°51	16°D57	16°39	14°34	29°19	M 7
T 8	7 37 28	25°10'13	9♉ 6	9°51	2°39	7°40	3°25	13°17	9°46	2°50	9°53	16°57	16°35	14°40	29°24	T 8
W 9	7 41 24	26°11'13	23° 0	11°23	3°51	8°13	3°38	13°18	9°44	2°48	9°55	16°58	16°32	14°47	29°29	W 9
T 10	7 45 21	27°12'11	7♊20	12°55	5° 3	8°47	3°51	13°18	9°43	2°47	9°57	16°58	16°29	14°54	29°34	T 10
F 11	7 49 17	28°13'09	22° 2	14°28	6°16	9°20	4° 4	13°19	9°42	2°46	9°59	16°59	16°26	15° 0	29°39	F 11
S 12	7 53 14	29°14'05	7♋ 2	16° 2	7°28	9°53	4°17	13°19	9°40	2°44	10° 1	17° 0	16°23	15° 7	29°44	S 12
S 13	7 57 11	0♒15'00	22°12	17°36	8°40	10°26	4°30	13°19	9°39	2°43	10° 3	17°R 0	16°20	15°14	29°49	S 13
M14	8 1 7	1°15'54	7♌24	19°11	9°52	10°59	4°44	13°19	9°37	2°42	10° 5	16°59	16°16	15°20	29°53	M14
T 15	8 5 4	2°16'46	22°27	20°46	11° 4	11°32	4°57	13°R20	9°36	2°40	10° 6	16°58	16°13	15°27	29°58	T 15
W16	8 9 0	3°17'38	7♍13	22°23	12°16	12° 4	5°10	13°19	9°35	2°39	10° 8	16°56	16°10	15°33	0♒ 3	W16
T 17	8 12 57	4°18'28	21°36	24° 0	13°28	12°37	5°24	13°19	9°34	2°38	10°10	16°54	16° 7	15°40	0° 8	T 17
F 18	8 16 53	5°19'18	5♎30	25°38	14°39	13°10	5°37	13°19	9°33	2°36	10°12	16°51	16° 4	15°47	0°13	F 18
S 19	8 20 50	6°20'06	18°57	27°16	15°51	13°42	5°51	13°19	9°31	2°35	10°14	16°50	16° 0	15°53	0°18	S 19
S 20	8 24 46	7°20'54	1♏57	28°56	17° 2	14°15	6° 4	13°18	9°30	2°33	10°16	16°D49	15°57	16° 0	0°22	S 20
M21	8 28 43	8°21'40	14°33	0♒36	18°14	14°47	6°18	13°17	9°29	2°32	10°18	16°49	15°54	16° 7	0°27	M21
T 22	8 32 40	9°22'26	26°51	2°17	19°25	15°19	6°32	13°17	9°28	2°30	10°20	16°50	15°51	16°13	0°32	T 22
W23	8 36 36	10°23'11	8♐53	3°58	20°36	15°51	6°45	13°16	9°28	2°29	10°21	16°51	15°48	16°20	0°37	W23
T 24	8 40 33	11°23'54	20°46	5°41	21°47	16°23	6°59	13°15	9°27	2°27	10°23	16°53	15°45	16°27	0°42	T 24
F 25	8 44 29	12°24'36	2♑34	7°24	22°58	16°55	7°13	13°14	9°26	2°26	10°25	16°55	15°41	16°33	0°46	F 25
S 26	8 48 26	13°25'17	14°20	9° 9	24° 9	17°26	7°27	13°13	9°25	2°24	10°27	16°R55	15°38	16°40	0°51	S 26
S 27	8 52 22	14°25'57	26° 7	10°54	25°20	17°58	7°41	13°12	9°24	2°23	10°29	16°55	15°35	16°47	0°56	S 27
M28	8 56 19	15°26'35	7♒59	12°40	26°30	18°29	7°55	13°10	9°24	2°21	10°30	16°53	15°32	16°53	1° 1	M28
T 29	9 0 15	16°27'12	19°58	14°26	27°41	19° 1	8° 9	13° 9	9°23	2°19	10°32	16°50	15°29	17° 0	1° 5	T 29
W30	9 4 12	17°27'47	2♓ 5	16°14	28°51	19°32	8°23	13° 7	9°23	2°18	10°34	16°45	15°26	17° 7	1°10	W30
T 31	9 8 9	18♒28'20	14♓21	18♒ 3	0♈ 1	20♏ 3	8♓37	13♎ 6	9♊22	2♍16	10♑35	16♋40	15♋22	17♑13	1♒15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s19	19s36	2s10	23s50	0s18	15s 1	1s35	11s32	1n21	11s51	1s 5	2s54	2n31	22n 3	0n 1	11n17	0n53	22s51	0n20	22n27	22n27	22s32	14s22	6n14
W 2	22 10	16 51	3 7	23 57	0 25	14 35	1 34	11 44	1 21	11 46	1 5	2 54	2 31	22 3	0 1	11 17	0 53	22 50	0 20	22 27	22 27	22 32	14 21	6 14
T 3	22 1	13 22	3 57	24 3	0 33	14 9	1 32	11 55	1 21	11 41	1 5	2 55	2 31	22 3	0 1	11 17	0 53	22 50	0 20	22 27	22 28	22 32	14 20	6 14
F 4	21 52	9 17	4 36	24 8	0 39	13 42	1 30	12 7	1 21	11 37	1 5	2 55	2 32	22 2	0 1	11 18	0 53	22 50	0 20	22 27	22 28	22 32	14 19	6 14
S 5	21 43	4 44	5 4	24 12	0 46	13 15	1 28	12 18	1 21	11 32	1 5	2 55	2 32	22 2	0 1	11 18	0 53	22 50	0 20	22 27	22 29	22 33	14 18	6 14
S 6	21 32	0n 6	5 17	24 14	0 53	12 47	1 26	12 29	1 21	11 27	1 5	2 55	2 32	22 2	0 1	11 19	0 53	22 50	0 20	22 27	22 29	22 33	14 17	6 14
M 7	21 22	5 3	5 14	24 15	0 59	12 19	1 24	12 40	1 20	11 23	1 5	2 55	2 32	22 2	0 1	11 19	0 53	22 50	0 20	22 27	22 29	22 33	14 16	6 14
T 8	21 11	9 56	4 55	24 15	1 5	11 51	1 22	12 51	1 20	11 18	1 5	2 55	2 33	22 1	0 1	11 20	0 53	22 50	0 20	22 27	22 30	22 33	14 16	6 14
W 9	21 0	14 27	4 17	24 13	1 11	11 23	1 20	13 2	1 20	11 13	1 5	2 55	2 33	22 1	0 1	11 20	0 53	22 50	0 20	22 27	22 30	22 33	14 15	6 14
T 10	20 48	18 17	3 23	24 10	1 16	10 54	1 18	13 13	1 20	11 8	1 5	2 55	2 33	22 1	0 1	11 21	0 53	22 50	0 20	22 27	22 31	22 33	14 14	6 14
F 11	20 36	21 3	2 14	24 6	1 22	10 25	1 15	13 24	1 19	11 4	1 5	2 55	2 34	22 1	0 1	11 21	0 53	22 50	0 19	22 27	22 31	22 33	14 13	6 14
S 12	20 23	22 26	0 55	24 0	1 27	9 56	1 13	13 35	1 19	10 59	1 5	2 55	2 34	22 1	0 1	11 22	0 53	22 50	0 19	22 27	22 31	22 34	14 12	6 14
S 13	20 11	22 10	0n29	23 53	1 31	9 26	1 10	13 45	1 19	10 54	1 4	2 55	2 34	22 0	0 1	11 22	0 53	22 50	0 19	22 27	22 32	22 34	14 11	6 14
M14	19 57	20 17	1 51	23 44	1 36	8 57	1 8	13 56	1 19	10 49	1 4	2 55	2 34	22 0	0 1	11 23	0 53	22 50	0 19	22 27	22 32	22 34	14 10	6 14
T 15	19 44	16 59	3 4	23 34	1 40	8 27	1 5	14 6	1 18	10 44	1 4	2 54	2 35	22 0	0 1	11 23	0 53	22 50	0 19	22 27	22 33	22 34	14 9	6 14
W16	19 30	12 40	4 4	23 23	1 44	7 57	1 2	14 17	1 18	10 39	1 4	2 54	2 35	22 0	0 1	11 24	0 53	22 50	0 19	22 27	22 33	22 34	14 8	6 14
T 17	19 15	7 43	4 46	23 9	1 48	7 26	0 59	14 27	1 18	10 34	1 4	2 54	2 35	22 0	0 1	11 24	0 53	22 50	0 19	22 28	22 33	22 34	14 7	6 14
F 18	19 1	2 33	5 10	22 55	1 51	6 56	0 56	14 37	1 18	10 29	1 4	2 53	2 35	21 59	0 1	11 25	0 53	22 50	0 19	22 28	22 34	22 34	14 6	6 14
S 19	18 46	2s34	5 16	22 39	1 54	6 25	0 53	14 47	1 17	10 24	1 4	2 53	2 36	21 59	0 1	11 25	0 53	22 50	0 19	22 28	22 34	22 34	14 5	6 14
S 20	18 30	7 25	5 5	22 21	1 56	5 55	0 50	14 57	1 17	10 19	1 4	2 52	2 36	21 59	0 1	11 26	0 53	22 49	0 19	22 28	22 34	22 34	14 4	6 14
M21	18 15	11 48	4 40	22 2	1 59	5 24	0 47	15 7	1 17	10 14	1 4	2 52	2 36	21 59	0 1	11 26	0 53	22 49	0 19	22 28	22 35	22 34	14 3	6 14
T 22	17 59	15 36	4 3	21 41	2 1	4 53	0 44	15 17	1 16	10 8	1 4	2 51	2 37	21 59	0 1	11 27	0 53	22 49	0 18	22 28	22 35	22 35	14 2	6 14
W23	17 42	18 40	3 15	21 19	2 2	4 21	0 40	15 26	1 16	10 3	1 4	2 51	2 37	21 59	0 1	11 28	0 53	22 49	0 18	22 28	22 36	22 35	14 0	6 14
T 24	17 26	20 54	2 19	20 55	2 3	3 50	0 37	15 36	1 16	9 58	1 4	2 50	2 37	21 59	0 1	11 28	0 53	22 49	0 18	22 28	22 36	22 35	13 59	6 14
F 25	17 9	22 12	1 18	20 29	2 4	3 19	0 34	15 45	1 15	9 53	1 4	2 50	2 37	21 58	0 1	11 29	0 53	22 49	0 18	22 27	22 36	22 35	13 58	6 14
S 26	16 51	22 31	0 14	20 2	2 4	2 48	0 30	15 54	1 15	9 48	1 4	2 49	2 38	21 58	0 1	11 29	0 53	22 49	0 18	22 27	22 37	22 35	13 57	6 14
S 27	16 34	21 50	0s50	19 33	2 4	2 16	0 26	16 4	1 15	9 42	1 4	2 48	2 38	21 58	0 1	11 30	0 53	22 49	0 18	22 27	22 37	22 35	13 56	6 14
M28	16 16	20 10	1 53	19 3	2 4	1 45	0 23	16 13	1 14	9 37	1 4	2 47	2 38	21 58	0 1	11 31	0 53	22 49	0 18	22 28	22 37	22 35	13 55	6 14
T 29	15 58	17 35	2 52	18 31	2 3	1 13	0 19	16 22	1 14	9 32	1 4	2 47	2 38	21 58	0 1	11 31	0 53	22 49	0 18	22 28	22 38	22 35	13 54	6 14
W30	15 40	14 14	3 43	17 58	2 1	0 42	0 15	16 30	1 13	9 27	1 4	2 46	2 39	21 58	0 1	11 32	0 53	22 49	0 18	22 29	22 38	22 35	13 53	6 15
T 31	15s21	10s14	4s24	17s22	1s59	0s10	0s11	16s39	1n13	9s21	1s 4	2s45	2n39	21n58	0n 1	11n32	0n53	22s49	0n18	22n29	22n39	22s35	13s52	6n15

Julian Day Number = 2186751.5, Delta T = 11m04s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'46, Lahiri = 13°44'47 Julian Calendar 1 Jan. 1275 == Greg. Calendar 8 Jan. 1275

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ASTRODIENST EPHEMERIS for the year 1275
geocentric

FEBRUARY 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 12 5	19♒28'52	26♓49	19♒52	1♈11	20♏34	8♓51	13°R 4	9°R22	2°R15	10♑37	16°R34	15♋19	17♑20	1♒19	F 1
S 2	9 16 2	20°29'21	9♈29	21°42	2°21	21° 5	9° 5	13♎ 2	9♊21	2♍13	10°39	16♋28	15°16	17°26	1°24	S 2
S 3	9 19 58	21°29'49	22°22	23°33	3°31	21°35	9°20	13° 0	9°21	2°11	10°40	16°23	15°13	17°33	1°29	S 3
M 4	9 23 55	22°30'16	5♉30	25°25	4°41	22° 6	9°34	12°58	9°21	2°10	10°42	16°20	15°10	17°40	1°33	M 4
T 5	9 27 51	23°30'40	18°56	27°17	5°50	22°36	9°48	12°56	9°21	2° 8	10°44	16°D19	15° 6	17°46	1°38	T 5
W 6	9 31 48	24°31'02	2♊39	29°10	7° 0	23° 6	10° 2	12°54	9°20	2° 6	10°45	16°19	15° 3	17°53	1°43	W 6
T 7	9 35 44	25°31'22	16°42	1♓ 4	8° 9	23°36	10°17	12°51	9°20	2° 5	10°47	16°20	15° 0	18° 0	1°47	T 7
F 8	9 39 41	26°31'40	1♋ 4	2°58	9°18	24° 6	10°31	12°49	9°20	2° 3	10°48	16°22	14°57	18° 6	1°52	F 8
S 9	9 43 38	27°31'56	15°42	4°52	10°27	24°36	10°45	12°46	9°D20	2° 1	10°50	16°R23	14°54	18°13	1°56	S 9
S 10	9 47 34	28°32'11	0♌32	6°46	11°35	25° 5	11° 0	12°44	9°20	2° 0	10°51	16°22	14°51	18°20	2° 1	S 10
M11	9 51 31	29°32'23	15°28	8°40	12°44	25°35	11°14	12°41	9°20	1°58	10°53	16°19	14°47	18°26	2° 5	M11
T 12	9 55 27	0♓32'33	0♍23	10°34	13°52	26° 4	11°28	12°39	9°21	1°56	10°54	16°14	14°44	18°33	2° 9	T 12
W13	9 59 24	1°32'41	15° 6	12°27	15° 0	26°33	11°43	12°36	9°21	1°55	10°56	16° 7	14°41	18°40	2°14	W13
T 14	10 3 20	2°32'47	29°31	14°19	16° 8	27° 2	11°57	12°33	9°21	1°53	10°57	16° 0	14°38	18°46	2°18	T 14
F 15	10 7 17	3°32'52	13♎31	16°10	17°16	27°30	12°12	12°30	9°21	1°51	10°59	15°52	14°35	18°53	2°22	F 15
S 16	10 11 13	4°32'55	27° 5	17°59	18°23	27°59	12°26	12°27	9°22	1°50	11° 0	15°45	14°32	18°59	2°27	S 16
S 17	10 15 10	5°32'56	10♏12	19°46	19°31	28°27	12°40	12°24	9°22	1°48	11° 1	15°40	14°28	19° 6	2°31	S 17
M18	10 19 7	6°32'56	22°53	21°30	20°38	28°55	12°55	12°20	9°23	1°46	11° 3	15°37	14°25	19°13	2°35	M18
T 19	10 23 3	7°32'54	5♐13	23°12	21°45	29°23	13° 9	12°17	9°23	1°45	11° 4	15°D36	14°22	19°19	2°39	T 19
W20	10 27 0	8°32'51	17°17	24°49	22°52	29°51	13°24	12°14	9°24	1°43	11° 5	15°36	14°19	19°26	2°44	W20
T 21	10 30 56	9°32'45	29°10	26°23	23°58	0♐19	13°38	12°10	9°24	1°41	11° 7	15°37	14°16	19°33	2°48	T 21
F 22	10 34 53	10°32'38	10♑57	27°52	25° 4	0°46	13°53	12° 7	9°25	1°40	11° 8	15°R38	14°12	19°39	2°52	F 22
S 23	10 38 49	11°32'30	22°43	29°16	26°10	1°13	14° 8	12° 3	9°26	1°38	11° 9	15°38	14° 9	19°46	2°56	S 23
S 24	10 42 46	12°32'19	4♒34	0♈34	27°16	1°40	14°22	11°59	9°27	1°36	11°10	15°36	14° 6	19°53	3° 0	S 24
M25	10 46 42	13°32'06	16°31	1°46	28°22	2° 6	14°37	11°56	9°27	1°35	11°11	15°32	14° 3	19°59	3° 4	M25
T 26	10 50 39	14°31'52	28°39	2°51	29°27	2°33	14°51	11°52	9°28	1°33	11°12	15°25	14° 0	20° 6	3° 8	T 26
W27	10 54 36	15°31'36	11♓ 0	3°50	0♉32	2°59	15° 6	11°48	9°29	1°31	11°14	15°15	13°57	20°13	3°12	W27
T 28	10 58 32	16♓31'17	23♓33	4♈41	1♉37	3♐25	15♓20	11♎44	9♊30	1♍30	11♑15	15♋ 4	13♋53	20♑19	3♒15	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s 2	5s46	4s54	16s46	1s57	0n22	0s 7	16s48	1n12	9s16	1s 4	2s44	2n39	21n58	0n 1	11n33	0n53	22s49	0n18	22n30	22n39	22s35	13s51	6n15
S 2	14 43	0 58	5 10	16 7	1 54	0 53	0 4	16 56	1 12	9 11	1 4	2 43	2 39	21 58	0 1	11 34	0 53	22 49	0 17	22 31	22 39	22 35	13 50	6 15
S 3	14 24	3n56	5 10	15 27	1 50	1 25	0n 1	17 5	1 12	9 5	1 4	2 42	2 40	21 58	0 2	11 34	0 54	22 49	0 17	22 31	22 40	22 35	13 48	6 15
M 4	14 4	8 46	4 55	14 46	1 46	1 56	0 5	17 13	1 11	9 0	1 4	2 41	2 40	21 58	0 2	11 35	0 54	22 49	0 17	22 32	22 40	22 35	13 47	6 15
T 5	13 44	13 18	4 23	14 3	1 41	2 28	0 9	17 21	1 11	8 54	1 4	2 40	2 40	21 58	0 2	11 35	0 54	22 49	0 17	22 32	22 40	22 35	13 46	6 15
W 6	13 24	17 15	3 36	13 18	1 36	2 59	0 13	17 29	1 10	8 49	1 4	2 39	2 40	21 58	0 2	11 36	0 54	22 49	0 17	22 32	22 41	22 35	13 45	6 15
T 7	13 4	20 18	2 35	12 33	1 30	3 30	0 17	17 37	1 10	8 44	1 4	2 38	2 41	21 58	0 2	11 37	0 54	22 49	0 17	22 32	22 41	22 35	13 44	6 16
F 8	12 43	22 9	1 22	11 46	1 24	4 2	0 21	17 45	1 9	8 38	1 4	2 37	2 41	21 58	0 2	11 37	0 54	22 49	0 17	22 32	22 41	22 35	13 43	6 16
S 9	12 23	22 33	0 4	10 57	1 17	4 33	0 26	17 53	1 8	8 33	1 4	2 36	2 41	21 58	0 2	11 38	0 54	22 48	0 17	22 31	22 42	22 35	13 42	6 16
S 10	12 2	21 21	1n16	10 8	1 9	5 4	0 30	18 1	1 8	8 27	1 4	2 34	2 41	21 58	0 2	11 38	0 54	22 48	0 17	22 32	22 42	22 35	13 41	6 16
M11	11 41	18 40	2 31	9 17	1 1	5 35	0 35	18 8	1 7	8 22	1 4	2 33	2 42	21 58	0 2	11 39	0 54	22 48	0 17	22 32	22 43	22 35	13 39	6 16
T 12	11 19	14 44	3 36	8 26	0 52	6 5	0 39	18 16	1 7	8 16	1 4	2 32	2 42	21 58	0 2	11 40	0 54	22 48	0 17	22 32	22 43	22 35	13 38	6 16
W13	10 58	9 57	4 25	7 34	0 42	6 36	0 44	18 23	1 6	8 11	1 4	2 30	2 42	21 58	0 2	11 40	0 54	22 48	0 17	22 33	22 43	22 35	13 37	6 17
T 14	10 36	4 43	4 56	6 41	0 32	7 7	0 48	18 31	1 5	8 5	1 4	2 29	2 42	21 58	0 2	11 41	0 54	22 48	0 16	22 34	22 44	22 35	13 36	6 17
F 15	10 15	0s38	5 8	5 48	0 21	7 37	0 53	18 38	1 5	8 0	1 4	2 28	2 42	21 58	0 2	11 41	0 54	22 48	0 16	22 35	22 44	22 35	13 35	6 17
S 16	9 53	5 46	5 2	4 55	0 9	8 7	0 57	18 45	1 4	7 54	1 4	2 26	2 43	21 58	0 2	11 42	0 54	22 48	0 16	22 36	22 44	22 35	13 34	6 17
S 17	9 31	10 29	4 41	4 2	0n 2	8 37	1 2	18 52	1 3	7 48	1 4	2 25	2 43	21 58	0 2	11 43	0 54	22 48	0 16	22 37	22 45	22 35	13 33	6 17
M18	9 9	14 36	4 6	3 9	0 15	9 7	1 6	18 59	1 3	7 43	1 4	2 24	2 43	21 58	0 2	11 43	0 54	22 48	0 16	22 37	22 45	22 35	13 31	6 18
T 19	8 46	17 58	3 20	2 17	0 28	9 36	1 11	19 5	1 2	7 37	1 4	2 22	2 43	21 58	0 2	11 44	0 54	22 48	0 16	22 37	22 45	22 35	13 30	6 18
W20	8 24	20 29	2 27	1 27	0 41	10 6	1 16	19 12	1 1	7 32	1 4	2 21	2 43	21 58	0 2	11 44	0 54	22 48	0 16	22 37	22 46	22 34	13 29	6 18
T 21	8 1	22 4	1 28	0 37	0 54	10 35	1 21	19 19	1 1	7 26	1 4	2 19	2 44	21 58	0 2	11 45	0 54	22 48	0 16	22 37	22 46	22 34	13 28	6 18
F 22	7 39	22 40	0 25	0n11	1 7	11 4	1 25	19 25	1 0	7 21	1 4	2 18	2 44	21 59	0 2	11 46	0 54	22 48	0 16	22 37	22 46	22 34	13 27	6 19
S 23	7 16	22 14	0s38	0 56	1 21	11 32	1 30	19 31	0 59	7 15	1 4	2 16	2 44	21 59	0 2	11 46	0 54	22 48	0 16	22 37	22 47	22 34	13 26	6 19
S 24	6 53	20 49	1 40	1 40	1 34	12 1	1 35	19 38	0 58	7 9	1 4	2 14	2 44	21 59	0 2	11 47	0 54	22 48	0 16	22 37	22 47	22 34	13 25	6 19
M25	6 30	18 27	2 38	2 21	1 48	12 29	1 39	19 44	0 57	7 4	1 4	2 13	2 44	21 59	0 2	11 47	0 54	22 48	0 16	22 38	22 47	22 34	13 23	6 19
T 26	6 7	15 15	3 29	2 59	2 1	12 57	1 44	19 50	0 56	6 58	1 4	2 11	2 45	21 59	0 2	11 48	0 54	22 48	0 15	22 38	22 48	22 34	13 22	6 20
W27	5 44	11 21	4 12	3 34	2 13	13 24	1 49	19 56	0 56	6 53	1 4	2 9	2 45	21 59	0 2	11 49	0 54	22 48	0 15	22 39	22 48	22 34	13 21	6 20
T 28	5s20	6s54	4s43	4n 5	2n25	13n51	1n54	20s 2	0n55	6s47	1s 4	2s 8	2n45	21n59	0n 2	11n49	0n54	22s48	0n15	22n41	22n48	22s34	13s20	6n20

Julian Day Number = 2186782.5, Delta T = 11m04s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'50, Lahiri = 13°44'51 Julian Calendar 1 Feb. 1275 == Greg. Calendar 8 Feb. 1275

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ASTRODIENST EPHEMERIS for the year 1275
geocentric

MARCH 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 2 29	17♓30'57	6♈19	5♈24	2♉41	3♐50	15♓35	11°R40	9♊31	1°R28	11♑16	14°R53	13♋50	20♑26	3♒19	F 1
S 2	11 6 25	18°30'34	19°19	6° 0	3°46	4°16	15°49	11♎36	9°32	1♍27	11°17	14♋42	13°47	20°32	3°23	S 2
S 3	11 10 22	19°30'09	2♉30	6°28	4°50	4°41	16° 4	11°32	9°34	1°25	11°18	14°32	13°44	20°39	3°27	S 3
M 4	11 14 18	20°29'42	15°53	6°48	5°53	5° 6	16°18	11°28	9°35	1°24	11°19	14°25	13°41	20°46	3°30	M 4
T 5	11 18 15	21°29'13	29°27	7° 0	6°57	5°30	16°33	11°24	9°36	1°22	11°20	14°21	13°37	20°52	3°34	T 5
W 6	11 22 11	22°28'41	13♊11	7°R 3	8° 0	5°54	16°47	11°20	9°37	1°20	11°21	14°19	13°34	20°59	3°38	W 6
T 7	11 26 8	23°28'07	27° 8	6°59	9° 2	6°18	17° 2	11°15	9°39	1°19	11°21	14°D18	13°31	21° 6	3°41	T 7
F 8	11 30 4	24°27'31	11♋15	6°48	10° 5	6°42	17°16	11°11	9°40	1°17	11°22	14°R19	13°28	21°12	3°45	F 8
S 9	11 34 1	25°26'52	25°32	6°30	11° 7	7° 6	17°31	11° 7	9°42	1°16	11°23	14°18	13°25	21°19	3°48	S 9
S 10	11 37 58	26°26'11	9♌59	6° 4	12° 8	7°29	17°45	11° 2	9°43	1°14	11°24	14°16	13°22	21°26	3°52	S 10
M11	11 41 54	27°25'27	24°30	5°33	13° 9	7°51	17°59	10°58	9°45	1°13	11°25	14°11	13°18	21°32	3°55	M11
T 12	11 45 51	28°24'42	9♍ 0	4°57	14°10	8°14	18°14	10°54	9°46	1°11	11°25	14° 4	13°15	21°39	3°58	T 12
W13	11 49 47	29°23'54	23°24	4°16	15°11	8°36	18°28	10°49	9°48	1°10	11°26	13°54	13°12	21°46	4° 2	W13
T 14	11 53 44	0♈23'03	7♎35	3°32	16°11	8°58	18°43	10°45	9°49	1° 9	11°27	13°42	13° 9	21°52	4° 5	T 14
F 15	11 57 40	1°22'11	21°28	2°45	17°11	9°19	18°57	10°40	9°51	1° 7	11°28	13°30	13° 6	21°59	4° 8	F 15
S 16	12 1 37	2°21'17	4♏58	1°57	18°10	9°40	19°11	10°36	9°53	1° 6	11°28	13°19	13° 3	22° 6	4°11	S 16
S 17	12 5 33	3°20'21	18° 4	1° 8	19° 8	10° 1	19°26	10°31	9°55	1° 4	11°29	13°10	12°59	22°12	4°14	S 17
M18	12 9 30	4°19'23	0♐47	0°19	20° 7	10°21	19°40	10°26	9°57	1° 3	11°29	13° 4	12°56	22°19	4°17	M18
T 19	12 13 27	5°18'23	13° 9	29♓32	21° 5	10°41	19°54	10°22	9°59	1° 2	11°30	13° 0	12°53	22°25	4°20	T 19
W20	12 17 23	6°17'22	25°15	28°47	22° 2	11° 1	20° 8	10°17	10° 1	1° 0	11°30	12°58	12°50	22°32	4°23	W20
T 21	12 21 20	7°16'18	7♑ 9	28° 4	22°59	11°20	20°23	10°13	10° 3	0°59	11°31	12°58	12°47	22°39	4°26	T 21
F 22	12 25 16	8°15'13	18°58	27°25	23°55	11°39	20°37	10° 8	10° 5	0°58	11°31	12°58	12°43	22°45	4°28	F 22
S 23	12 29 13	9°14'06	0♒46	26°50	24°51	11°57	20°51	10° 3	10° 7	0°57	11°32	12°57	12°40	22°52	4°31	S 23
S 24	12 33 9	10°12'58	12°39	26°20	25°46	12°15	21° 5	9°59	10° 9	0°55	11°32	12°55	12°37	22°59	4°34	S 24
M25	12 37 6	11°11'47	24°42	25°54	26°41	12°33	21°19	9°54	10°11	0°54	11°33	12°49	12°34	23° 5	4°36	M25
T 26	12 41 2	12°10'35	6♓57	25°34	27°35	12°50	21°33	9°50	10°13	0°53	11°33	12°41	12°31	23°12	4°39	T 26
W27	12 44 59	13° 9'20	19°29	25°19	28°28	13° 6	21°47	9°45	10°15	0°52	11°33	12°31	12°28	23°19	4°41	W27
T 28	12 48 56	14° 8'04	2♈18	25° 8	29°21	13°22	22° 1	9°40	10°18	0°51	11°33	12°19	12°24	23°25	4°44	T 28
F 29	12 52 52	15° 6'46	15°25	25°D 4	0♊14	13°38	22°15	9°36	10°20	0°50	11°34	12° 5	12°21	23°32	4°46	F 29
S 30	12 56 49	16° 5'26	28°47	25° 4	1° 5	13°53	22°29	9°31	10°22	0°49	11°34	11°53	12°18	23°39	4°49	S 30
S 31	13 0 45	17♈ 4'04	12♉22	25♓10	1♊56	14♐ 8	22♓43	9♎27	10♊25	0♍48	11♑34	11♋42	12♋15	23♑45	4♒51	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4s57	2s 4	5s 0	4n33	2n37	14n18	1n59	20s 7	0n54	6s41	1s 4	2s 6	2n45	22n 0	0n 2	11n50	0n54	22s48	0n15	22n42	22n49	22s33	13s19	6n21
S 2	4 34	2n55	5 2	4 57	2 48	14 45	2 3	20 13	0 53	6 36	1 4	2 4	2 45	22 0	0 2	11 50	0 54	22 48	0 15	22 43	22 49	22 33	13 18	6 21
S 3	4 10	7 52	4 49	5 17	2 57	15 11	2 8	20 19	0 52	6 30	1 4	2 3	2 45	22 0	0 2	11 51	0 54	22 48	0 15	22 44	22 49	22 33	13 17	6 21
M 4	3 47	12 31	4 19	5 33	3 6	15 37	2 13	20 24	0 51	6 24	1 4	2 1	2 45	22 0	0 2	11 52	0 54	22 48	0 15	22 45	22 50	22 33	13 16	6 21
T 5	3 23	16 37	3 35	5 45	3 13	16 3	2 17	20 29	0 50	6 19	1 4	1 59	2 46	22 0	0 2	11 52	0 54	22 48	0 15	22 45	22 50	22 33	13 14	6 22
W 6	3 0	19 52	2 38	5 52	3 20	16 28	2 22	20 35	0 49	6 13	1 4	1 57	2 46	22 1	0 2	11 53	0 54	22 48	0 15	22 46	22 50	22 33	13 13	6 22
T 7	2 36	22 0	1 30	5 55	3 24	16 53	2 27	20 40	0 48	6 8	1 4	1 56	2 46	22 1	0 2	11 53	0 54	22 48	0 15	22 46	22 51	22 33	13 12	6 22
F 8	2 13	22 47	0 16	5 53	3 28	17 17	2 32	20 45	0 47	6 2	1 4	1 54	2 46	22 1	0 2	11 54	0 54	22 48	0 15	22 46	22 51	22 32	13 11	6 23
S 9	1 49	22 5	0n59	5 47	3 29	17 42	2 36	20 50	0 45	5 56	1 4	1 52	2 46	22 1	0 2	11 54	0 54	22 48	0 14	22 46	22 51	22 32	13 10	6 23
S 10	1 25	19 56	2 12	5 37	3 29	18 5	2 41	20 55	0 44	5 51	1 4	1 50	2 46	22 1	0 2	11 55	0 54	22 48	0 14	22 46	22 52	22 32	13 9	6 23
M11	1 2	16 29	3 16	5 23	3 28	18 29	2 45	21 0	0 43	5 45	1 4	1 49	2 46	22 2	0 2	11 55	0 54	22 48	0 14	22 46	22 52	22 32	13 8	6 24
T 12	0 38	12 3	4 7	5 6	3 24	18 51	2 50	21 5	0 42	5 39	1 4	1 47	2 46	22 2	0 2	11 56	0 54	22 48	0 14	22 47	22 52	22 32	13 7	6 24
W13	0 14	6 57	4 43	4 45	3 19	19 14	2 54	21 9	0 41	5 34	1 4	1 45	2 46	22 2	0 2	11 56	0 54	22 48	0 14	22 48	22 53	22 31	13 6	6 24
T 14	0n 9	1 34	5 0	4 21	3 12	19 36	2 59	21 14	0 39	5 28	1 5	1 43	2 46	22 2	0 2	11 57	0 54	22 48	0 14	22 49	22 53	22 31	13 5	6 25
F 15	0 33	3s47	4 58	3 54	3 3	19 57	3 3	21 19	0 38	5 23	1 5	1 41	2 47	22 3	0 2	11 57	0 54	22 48	0 14	22 51	22 53	22 31	13 4	6 25
S 16	0 56	8 49	4 40	3 25	2 53	20 19	3 8	21 23	0 37	5 17	1 5	1 39	2 47	22 3	0 2	11 58	0 54	22 48	0 14	22 52	22 53	22 31	13 3	6 25
S 17	1 20	13 18	4 8	2 55	2 42	20 39	3 12	21 27	0 35	5 12	1 5	1 38	2 47	22 3	0 2	11 58	0 54	22 48	0 14	22 53	22 54	22 31	13 1	6 26
M18	1 43	17 4	3 24	2 24	2 29	20 59	3 16	21 32	0 34	5 6	1 5	1 36	2 47	22 4	0 2	11 59	0 54	22 48	0 14	22 53	22 54	22 30	13 0	6 26
T 19	2 7	19 58	2 31	1 53	2 15	21 19	3 21	21 36	0 32	5 0	1 5	1 34	2 47	22 4	0 2	11 59	0 54	22 48	0 14	22 54	22 54	22 30	12 59	6 26
W20	2 30	21 54	1 33	1 21	2 0	21 38	3 25	21 40	0 31	4 55	1 5	1 32	2 47	22 4	0 2	12 0	0 54	22 48	0 14	22 54	22 55	22 30	12 58	6 27
T 21	2 54	22 50	0 31	0 50	1 45	21 57	3 29	21 44	0 29	4 49	1 5	1 30	2 47	22 4	0 2	12 0	0 54	22 49	0 13	22 54	22 55	22 30	12 57	6 27
F 22	3 17	22 43	0s32	0 20	1 29	22 15	3 33	21 49	0 28	4 44	1 5	1 28	2 47	22 5	0 2	12 1	0 54	22 49	0 13	22 54	22 55	22 29	12 56	6 28
S 23	3 40	21 35	1 33	0s 9	1 13	22 33	3 37	21 53	0 26	4 38	1 5	1 26	2 47	22 5	0 2	12 1	0 54	22 49	0 13	22 54	22 56	22 29	12 55	6 28
S 24	4 4	19 29	2 30	0 36	0 57	22 51	3 41	21 57	0 25	4 33	1 5	1 25	2 47	22 5	0 2	12 1	0 54	22 49	0 13	22 54	22 56	22 29	12 54	6 28
M25	4 27	16 30	3 22	1 1	0 41	23 7	3 44	22 0	0 23	4 27	1 5	1 23	2 47	22 6	0 2	12 2	0 54	22 49	0 13	22 55	22 56	22 29	12 53	6 29
T 26	4 50	12 46	4 5	1 24	0 25	23 24	3 48	22 4	0 21	4 22	1 5	1 21	2 47	22 6	0 2	12 2	0 54	22 49	0 13	22 55	22 56	22 28	12 52	6 29
W27	5 13	8 25	4 37	1 44	0 9	23 39	3 51	22 8	0 20	4 16	1 5	1 19	2 47	22 6	0 2	12 3	0 54	22 49	0 13	22 56	22 57	22 28	12 51	6 30
T 28	5 36	3 36	4 56	2 2	0s 7	23 55	3 55	22 12	0 18	4 11	1 6	1 17	2 47	22 7	0 2	12 3	0 54	22 49	0 13	22 58	22 57	22 28	12 50	6 30
F 29	5 59	1n29	5 0	2 18	0 22	24 9	3 58	22 16	0 16	4 5	1 6	1 16	2 47	22 7	0 2	12 3	0 54	22 49	0 13	22 59	22 57	22 28	12 50	6 30
S 30	6 21	6 36	4 48	2 31	0 36	24 24	4 2	22 19	0 14	4 0	1 6	1 14	2 47	22 7	0 2	12 4	0 54	22 49	0 13	23 0	22 58	22 27	12 49	6 31
S 31	6n44	11n30	4s19	2s41	0s50	24n37	4n 5	22s23	0n12	3s55	1s 6	1s12	2n47	22n 8	0n 2	12n 4	0n54	22s49	0n13	23n 1	22n58	22s27	12s48	6n31

Julian Day Number = 2186810.5, Delta T = 11m04s
Ecliptic obliquity = 23°31'59, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'54, Lahiri = 13°44'55 Julian Calendar 1 March 1275 == Greg. Calendar 8 March 1275

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ASTRODIENST EPHEMERIS for the year 1275
geocentric

APRIL 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 4 42	18♈ 2'39	26♉ 8	25♓20	2♊46	14♐22	22♓57	9°R22	10♊27	0°R46	11♑34	11°R33	12♋12	23♑52	4♒53	M 1
T 2	13 8 38	19° 1'13	10♊ 1	25°35	3°35	14°35	23°11	9♎18	10°30	0♍45	11°34	11♋28	12° 8	23°59	4°55	T 2
W 3	13 12 35	19°59'45	24° 0	25°56	4°24	14°48	23°24	9°13	10°32	0°45	11°34	11°25	12° 5	24° 5	4°57	W 3
T 4	13 16 31	20°58'14	8♋ 3	26°20	5°12	15° 1	23°38	9° 9	10°35	0°44	11°35	11°D24	12° 2	24°12	4°59	T 4
F 5	13 20 28	21°56'41	22° 8	26°49	5°58	15°13	23°52	9° 4	10°37	0°43	11°35	11°R25	11°59	24°18	5° 1	F 5
S 6	13 24 25	22°55'06	6♌16	27°22	6°44	15°24	24° 5	9° 0	10°40	0°42	11°R35	11°24	11°56	24°25	5° 3	S 6
S 7	13 28 21	23°53'29	20°25	27°59	7°29	15°35	24°19	8°55	10°43	0°41	11°35	11°22	11°53	24°32	5° 5	S 7
M 8	13 32 18	24°51'49	4♍32	28°40	8°13	15°45	24°32	8°51	10°45	0°40	11°35	11°17	11°49	24°38	5° 7	M 8
T 9	13 36 14	25°50'07	18°37	29°25	8°57	15°55	24°46	8°47	10°48	0°39	11°34	11°10	11°46	24°45	5° 8	T 9
W10	13 40 11	26°48'24	2♎34	0♈13	9°39	16° 4	24°59	8°42	10°51	0°38	11°34	11° 0	11°43	24°52	5°10	W10
T 11	13 44 7	27°46'38	16°21	1° 4	10°20	16°12	25°12	8°38	10°54	0°38	11°34	10°49	11°40	24°58	5°11	T 11
F 12	13 48 4	28°44'50	29°53	1°59	10°59	16°20	25°26	8°34	10°57	0°37	11°34	10°37	11°37	25° 5	5°13	F 12
S 13	13 52 0	29°43'01	13♏ 8	2°56	11°38	16°27	25°39	8°30	10°59	0°36	11°34	10°26	11°34	25°12	5°14	S 13
S 14	13 55 57	0♉41'10	26° 4	3°57	12°16	16°34	25°52	8°26	11° 2	0°36	11°34	10°17	11°30	25°18	5°16	S 14
M15	13 59 53	1°39'17	8♐40	5° 1	12°52	16°40	26° 5	8°22	11° 5	0°35	11°33	10°11	11°27	25°25	5°17	M15
T 16	14 3 50	2°37'23	21° 0	6° 7	13°27	16°45	26°18	8°18	11° 8	0°34	11°33	10° 7	11°24	25°32	5°18	T 16
W17	14 7 47	3°35'28	3♑ 5	7°16	14° 0	16°49	26°31	8°14	11°11	0°34	11°33	10° 5	11°21	25°38	5°19	W17
T 18	14 11 43	4°33'30	15° 0	8°27	14°33	16°53	26°44	8°10	11°14	0°33	11°32	10°D 5	11°18	25°45	5°20	T 18
F 19	14 15 40	5°31'32	26°49	9°41	15° 4	16°56	26°57	8° 6	11°17	0°33	11°32	10° 6	11°14	25°52	5°21	F 19
S 20	14 19 36	6°29'32	8♒38	10°58	15°33	16°58	27°10	8° 2	11°20	0°32	11°32	10°R 6	11°11	25°58	5°22	S 20
S 21	14 23 33	7°27'31	20°33	12°16	16° 1	17° 0	27°23	7°58	11°23	0°32	11°31	10° 5	11° 8	26° 5	5°23	S 21
M22	14 27 29	8°25'28	2♓38	13°38	16°27	17° 1	27°35	7°55	11°26	0°31	11°31	10° 2	11° 5	26°11	5°24	M22
T 23	14 31 26	9°23'24	14°58	15° 1	16°51	17°R 1	27°48	7°51	11°29	0°31	11°30	9°57	11° 2	26°18	5°25	T 23
W24	14 35 22	10°21'18	27°36	16°27	17°14	17° 0	28° 1	7°48	11°33	0°31	11°30	9°50	10°59	26°25	5°26	W24
T 25	14 39 19	11°19'11	10♈36	17°55	17°35	16°59	28°13	7°44	11°36	0°30	11°29	9°41	10°55	26°31	5°26	T 25
F 26	14 43 16	12°17'03	23°57	19°25	17°54	16°57	28°25	7°41	11°39	0°30	11°29	9°31	10°52	26°38	5°27	F 26
S 27	14 47 12	13°14'53	7♉38	20°57	18°12	16°54	28°38	7°37	11°42	0°30	11°28	9°22	10°49	26°45	5°27	S 27
S 28	14 51 9	14°12'42	21°36	22°31	18°27	16°50	28°50	7°34	11°45	0°29	11°27	9°13	10°46	26°51	5°28	S 28
M29	14 55 5	15°10'30	5♊47	24° 8	18°40	16°46	29° 2	7°31	11°49	0°29	11°27	9° 7	10°43	26°58	5°28	M29
T 30	14 59 2	16♉ 8'16	20♊ 6	25♈47	18♊52	16♐41	29♓14	7♎28	11♊52	0♍29	11♑26	9♋ 4	10♋40	27♑ 5	5♒28	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	7n 6	15n53	3s35	2s49	1s 3	24n51	4n 8	22s27	0n10	3s49	1s 6	1s10	2n47	22n 8	0n 2	12n 5	0n54	22s49	0n12	23n 2	22n58	22s27	12s47	6n32	
T 2	7 29	19 26	2 38	2 55	1 15	25 3	4 11	22 30	0 8	3 44	1 6	1 9	2 47	22 8	0 2	12 5	0 54	22 49	0 12	23 2	22 59	22 26	12 46	6 32	
W 3	7 51	21 53	1 31	2 57	1 27	25 15	4 14	22 34	0 6	3 38	1 6	1 7	2 47	22 9	0 2	12 5	0 54	22 49	0 12	23 2	22 59	22 26	12 45	6 32	
T 4	8 13	22 59	0 18	2 58	1 38	25 27	4 16	22 37	0 4	3 33	1 6	1 5	2 47	22 9	0 2	12 6	0 54	22 49	0 12	23 2	22 59	22 26	12 44	6 33	
F 5	8 35	22 38	0n57	2 55	1 48	25 38	4 19	22 41	0 2	3 28	1 6	1 3	2 47	22 10	0 2	12 6	0 54	22 50	0 12	23 2	22 59	22 25	12 43	6 33	
S 6	8 57	20 50	2 8	2 51	1 58	25 48	4 21	22 44	0s 0	3 22	1 6	1 2	2 47	22 10	0 2	12 6	0 54	22 50	0 12	23 2	23 0	22 25	12 42	6 34	
S 7	9 18	17 45	3 11	2 44	2 7	25 58	4 23	22 47	0 2	3 17	1 7	1 0	2 47	22 10	0 2	12 7	0 54	22 50	0 12	23 3	23 0	22 25	12 41	6 34	
M 8	9 40	13 38	4 2	2 35	2 15	26 8	4 25	22 51	0 5	3 12	1 7	0 58	2 46	22 11	0 2	12 7	0 53	22 50	0 12	23 3	23 0	22 24	12 41	6 35	
T 9	10 1	8 48	4 39	2 24	2 22	26 16	4 27	22 54	0 7	3 7	1 7	0 57	2 46	22 11	0 2	12 7	0 53	22 50	0 12	23 4	23 1	22 24	12 40	6 35	
W10	10 22	3 32	4 58	2 11	2 29	26 25	4 29	22 57	0 9	3 1	1 7	0 55	2 46	22 12	0 2	12 7	0 53	22 50	0 12	23 5	23 1	22 24	12 39	6 35	
T 11	10 43	1s50	5 0	1 56	2 35	26 33	4 30	23 1	0 12	2 56	1 7	0 54	2 46	22 12	0 2	12 8	0 53	22 50	0 12	23 5	23 1	22 23	12 38	6 36	
F 12	11 4	7 2	4 45	1 39	2 40	26 40	4 32	23 4	0 14	2 51	1 7	0 52	2 46	22 12	0 2	12 8	0 53	22 50	0 11	23 6	23 1	22 23	12 37	6 36	
S 13	11 25	11 48	4 15	1 20	2 44	26 46	4 33	23 7	0 17	2 46	1 7	0 50	2 46	22 13	0 2	12 8	0 53	22 50	0 11	23 7	23 2	22 23	12 37	6 37	
S 14	11 45	15 55	3 32	1 0	2 48	26 52	4 34	23 10	0 20	2 41	1 7	0 49	2 46	22 13	0 2	12 8	0 53	22 50	0 11	23 8	23 2	22 22	12 36	6 37	
M15	12 6	19 13	2 39	0 37	2 51	26 58	4 34	23 14	0 22	2 36	1 8	0 47	2 46	22 14	0 2	12 8	0 53	22 51	0 11	23 8	23 2	22 22	12 35	6 38	
T 16	12 26	21 34	1 40	0 13	2 54	27 3	4 35	23 17	0 25	2 31	1 8	0 46	2 46	22 14	0 2	12 9	0 53	22 51	0 11	23 9	23 2	22 21	12 35	6 38	
W17	12 46	22 53	0 37	0n12	2 56	27 7	4 35	23 20	0 28	2 25	1 8	0 44	2 46	22 14	0 2	12 9	0 53	22 51	0 11	23 9	23 3	22 21	12 34	6 39	
T 18	13 5	23 7	0s26	0 39	2 57	27 11	4 35	23 23	0 30	2 20	1 8	0 43	2 45	22 15	0 2	12 9	0 53	22 51	0 11	23 9	23 3	22 21	12 33	6 39	
F 19	13 25	22 19	1 28	1 8	2 58	27 15	4 35	23 26	0 33	2 15	1 8	0 42	2 45	22 15	0 2	12 9	0 53	22 51	0 11	23 9	23 3	22 20	12 32	6 40	
S 20	13 44	20 32	2 26	1 38	2 57	27 17	4 34	23 30	0 36	2 10	1 8	0 40	2 45	22 16	0 2	12 9	0 53	22 51	0 11	23 9	23 4	22 20	12 32	6 40	
S 21	14 3	17 50	3 19	2 9	2 57	27 20	4 33	23 33	0 39	2 5	1 8	0 39	2 45	22 16	0 2	12 10	0 53	22 51	0 11	23 9	23 4	22 19	12 31	6 40	
M22	14 22	14 21	4 3	2 42	2 55	27 21	4 32	23 36	0 42	2 1	1 9	0 38	2 45	22 17	0 2	12 10	0 53	22 51	0 11	23 9	23 4	22 19	12 30	6 41	
T 23	14 41	10 12	4 37	3 16	2 54	27 22	4 31	23 39	0 45	1 56	1 9	0 36	2 45	22 17	0 2	12 10	0 53	22 51	0 10	23 10	23 4	22 18	12 30	6 41	
W24	14 59	5 31	4 58	3 52	2 51	27 23	4 29	23 42	0 48	1 51	1 9	0 35	2 45	22 17	0 2	12 10	0 53	22 52	0 10	23 10	23 5	22 18	12 29	6 42	
T 25	15 17	0 28	5 5	4 28	2 48	27 23	4 27	23 45	0 52	1 46	1 9	0 34	2 45	22 18	0 2	12 10	0 53	22 52	0 10	23 11	23 5	22 18	12 29	6 42	
F 26	15 35	4n45	4 55	5 5	2 44	27 22	4 25	23 48	0 55	1 41	1 9	0 33	2 44	22 18	0 2	12 10	0 53	22 52	0 10	23 11	23 5	22 17	12 28	6 43	
S 27	15 53	9 52	4 29	5 44	2 40	27 21	4 22	23 51	0 58	1 36	1 9	0 31	2 44	22 19	0 2	12 10	0 53	22 52	0 10	23 12	23 5	22 17	12 28	6 43	
S 28	16 10	14 36	3 46	6 24	2 35	27 19	4 19	23 54	1 1	1 32	1 9	0 30	2 44	22 19	0 2	12 10	0 53	22 52	0 10	23 13	23 6	22 16	12 27	6 44	
M29	16 27	18 35	2 49	7 4	2 30	27 17	4 15	23 57	1 5	1 27	1 10	0 29	2 44	22 20	0 2	12 10	0 53	22 52	0 10	23 13	23 6	22 16	12 26	6 44	
T 30	16n44	21n30	1s40	7n46	2s24	27n14	4n11	24s 0	1s 8	1s22	1s10	0s28	2n44	22n20	0n 2	12n10	0n53	22s52	0n10	23n13	23n 6	22s15	12s26	6n45	

Julian Day Number = 2186841.5, Delta T = 11m03s
Ecliptic obliquity = 23°31'59, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°37'58, Lahiri = 13°44'59 Julian Calendar 1 Apr. 1275 == Greg. Calendar 8 Apr. 1275

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ASTRODIENST EPHEMERIS for the year 1275
geocentric

MAY 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 2 58	17♉ 6'00	4♋28	27♈27	19♊ 1	16°R35	29♓26	7°R25	11♊55	0°R29	11°R26	9°D 2	10♋36	27♑11	5♒28	W 1
T 2	15 6 55	18° 3'43	18°48	29°10	19° 8	16♐28	29°38	7♎22	11°59	0♍29	11♑25	9♋ 2	10°33	27°18	5°29	T 2
F 3	15 10 51	19° 1'24	3♌ 5	0♉56	19°12	16°21	29°50	7°19	12° 2	0°29	11°24	9° 3	10°30	27°25	5°29	F 3
S 4	15 14 48	19°59'04	17°15	2°43	19°15	16°13	0♈ 2	7°16	12° 5	0°29	11°23	9°R 4	10°27	27°31	5°R29	S 4
S 5	15 18 45	20°56'42	1♍17	4°32	19°R15	16° 4	0°13	7°14	12° 9	0°D29	11°23	9° 4	10°24	27°38	5°29	S 5
M 6	15 22 41	21°54'18	15°11	6°24	19°12	15°54	0°25	7°11	12°12	0°29	11°22	9° 1	10°20	27°45	5°29	M 6
T 7	15 26 38	22°51'53	28°55	8°17	19° 8	15°44	0°37	7° 8	12°15	0°29	11°21	8°57	10°17	27°51	5°28	T 7
W 8	15 30 34	23°49'26	12♎29	10°13	19° 0	15°33	0°48	7° 6	12°19	0°29	11°20	8°51	10°14	27°58	5°28	W 8
T 9	15 34 31	24°46'58	25°50	12°10	18°51	15°21	0°59	7° 4	12°22	0°29	11°19	8°44	10°11	28° 5	5°28	T 9
F 10	15 38 27	25°44'28	8♏58	14°10	18°39	15° 9	1°10	7° 1	12°26	0°29	11°18	8°37	10° 8	28°11	5°27	F 10
S 11	15 42 24	26°41'58	21°51	16°12	18°24	14°56	1°22	6°59	12°29	0°29	11°17	8°30	10° 5	28°18	5°27	S 11
S 12	15 46 20	27°39'26	4♐30	18°15	18° 7	14°42	1°33	6°57	12°33	0°30	11°16	8°24	10° 1	28°25	5°26	S 12
M13	15 50 17	28°36'53	16°55	20°20	17°48	14°28	1°43	6°55	12°36	0°30	11°15	8°21	9°58	28°31	5°26	M13
T 14	15 54 14	29°34'19	29° 6	22°27	17°27	14°13	1°54	6°53	12°40	0°30	11°14	8°18	9°55	28°38	5°25	T 14
W15	15 58 10	0♊31'45	11♑ 7	24°35	17° 3	13°58	2° 5	6°51	12°43	0°30	11°13	8°D18	9°52	28°44	5°24	W15
T 16	16 2 7	1°29'09	23° 0	26°45	16°37	13°42	2°16	6°50	12°47	0°31	11°12	8°19	9°49	28°51	5°24	T 16
F 17	16 6 3	2°26'33	4♒49	28°55	16° 9	13°25	2°26	6°48	12°50	0°31	11°11	8°21	9°46	28°58	5°23	F 17
S 18	16 10 0	3°23'56	16°38	1♊ 6	15°40	13° 9	2°37	6°46	12°54	0°32	11°10	8°22	9°42	29° 4	5°22	S 18
S 19	16 13 56	4°21'19	28°33	3°18	15° 8	12°51	2°47	6°45	12°57	0°32	11° 9	8°23	9°39	29°11	5°21	S 19
M20	16 17 53	5°18'40	10♓38	5°30	14°36	12°34	2°57	6°44	13° 1	0°33	11° 8	8°R23	9°36	29°18	5°20	M20
T 21	16 21 49	6°16'01	22°58	7°42	14° 1	12°15	3° 7	6°42	13° 4	0°33	11° 7	8°22	9°33	29°24	5°19	T 21
W22	16 25 46	7°13'22	5♈38	9°54	13°26	11°57	3°17	6°41	13° 8	0°34	11° 6	8°19	9°30	29°31	5°17	W22
T 23	16 29 43	8°10'42	18°40	12° 5	12°50	11°38	3°27	6°40	13°11	0°34	11° 5	8°16	9°26	29°38	5°16	T 23
F 24	16 33 39	9° 8'01	2♉ 7	14°15	12°13	11°19	3°37	6°39	13°15	0°35	11° 3	8°12	9°23	29°44	5°15	F 24
S 25	16 37 36	10° 5'20	15°58	16°24	11°36	11° 0	3°46	6°38	13°19	0°35	11° 2	8° 7	9°20	29°51	5°14	S 25
S 26	16 41 32	11° 2'39	0♊11	18°32	10°58	10°41	3°56	6°37	13°22	0°36	11° 1	8° 4	9°17	29°58	5°12	S 26
M27	16 45 29	11°59'57	14°42	20°39	10°21	10°21	4° 5	6°37	13°26	0°37	11° 0	8° 1	9°14	0♒ 4	5°11	M27
T 28	16 49 25	12°57'14	29°23	22°44	9°44	10° 2	4°15	6°36	13°29	0°38	10°59	8° 0	9°11	0°11	5° 9	T 28
W29	16 53 22	13°54'31	14♋10	24°47	9° 7	9°43	4°24	6°36	13°33	0°38	10°57	8°D 0	9° 7	0°18	5° 7	W29
T 30	16 57 19	14°51'47	28°54	26°48	8°31	9°23	4°33	6°35	13°36	0°39	10°56	8° 0	9° 4	0°24	5° 6	T 30
F 31	17 1 15	15♊49'02	13♌29	28♊48	7♊55	9♐ 4	4♈42	6♎35	13♊40	0♍40	10♑55	8♋ 2	9♋ 1	0♒31	5♒ 4	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17n 0	23n 3	0s25	8n28	2s18	27n11	4n 7	24s 2	1s12	1s18	1s10	0s27	2n44	22n21	0n 2	12n10	0n53	22s53	0n10	23n13	23n 6	22s15	12s25	6n45
T 2	17 17	23 4	0n52	9 11	2 11	27 7	4 2	24 5	1 15	1 13	1 10	0 26	2 43	22 21	0 2	12 10	0 53	22 53	0 10	23 13	23 7	22 14	12 25	6 45
F 3	17 33	21 35	2 6	9 54	2 4	27 2	3 57	24 8	1 19	1 8	1 10	0 25	2 43	22 21	0 2	12 10	0 53	22 53	0 10	23 13	23 7	22 14	12 25	6 46
S 4	17 48	18 45	3 11	10 39	1 56	26 56	3 51	24 11	1 22	1 4	1 10	0 24	2 43	22 22	0 2	12 10	0 53	22 53	0 9	23 13	23 7	22 13	12 24	6 46
S 5	18 4	14 51	4 4	11 23	1 48	26 50	3 45	24 13	1 26	0 59	1 11	0 23	2 43	22 22	0 2	12 10	0 53	22 53	0 9	23 13	23 7	22 13	12 24	6 47
M 6	18 19	10 12	4 42	12 9	1 39	26 43	3 39	24 16	1 29	0 55	1 11	0 22	2 43	22 23	0 2	12 10	0 53	22 53	0 9	23 13	23 8	22 12	12 23	6 47
T 7	18 34	5 4	5 4	12 54	1 30	26 36	3 32	24 19	1 33	0 50	1 11	0 22	2 42	22 23	0 2	12 10	0 53	22 54	0 9	23 14	23 8	22 12	12 23	6 48
W 8	18 48	0s14	5 8	13 40	1 21	26 28	3 24	24 21	1 37	0 46	1 11	0 21	2 42	22 24	0 2	12 10	0 53	22 54	0 9	23 14	23 8	22 11	12 23	6 48
T 9	19 2	5 26	4 55	14 25	1 11	26 19	3 16	24 23	1 41	0 42	1 11	0 20	2 42	22 24	0 2	12 10	0 53	22 54	0 9	23 15	23 8	22 11	12 22	6 49
F 10	19 16	10 20	4 27	15 11	1 1	26 9	3 7	24 26	1 44	0 37	1 11	0 19	2 42	22 25	0 2	12 10	0 53	22 54	0 9	23 15	23 9	22 10	12 22	6 49
S 11	19 30	14 40	3 45	15 56	0 51	25 59	2 58	24 28	1 48	0 33	1 12	0 19	2 42	22 25	0 2	12 10	0 53	22 54	0 9	23 16	23 9	22 10	12 22	6 49
S 12	19 43	18 17	2 53	16 41	0 40	25 48	2 48	24 30	1 52	0 29	1 12	0 18	2 41	22 26	0 2	12 10	0 53	22 54	0 9	23 16	23 9	22 9	12 21	6 50
M13	19 56	21 0	1 54	17 26	0 30	25 36	2 38	24 32	1 56	0 25	1 12	0 17	2 41	22 26	0 2	12 10	0 53	22 55	0 9	23 16	23 9	22 9	12 21	6 50
T 14	20 8	22 42	0 50	18 9	0 19	25 23	2 28	24 34	1 59	0 21	1 12	0 17	2 41	22 27	0 2	12 10	0 53	22 55	0 9	23 16	23 10	22 8	12 21	6 51
W15	20 20	23 19	0s15	18 51	0 8	25 10	2 17	24 36	2 3	0 17	1 12	0 16	2 41	22 27	0 2	12 10	0 53	22 55	0 8	23 16	23 10	22 8	12 20	6 51
T 16	20 32	22 52	1 19	19 33	0n 3	24 56	2 5	24 38	2 7	0 12	1 13	0 16	2 40	22 27	0 2	12 9	0 53	22 55	0 8	23 16	23 10	22 7	12 20	6 52
F 17	20 44	21 24	2 20	20 13	0 13	24 41	1 53	24 40	2 11	0 8	1 13	0 15	2 40	22 28	0 2	12 9	0 53	22 55	0 8	23 16	23 10	22 6	12 20	6 52
S 18	20 55	19 0	3 14	20 51	0 24	24 26	1 41	24 42	2 15	0 4	1 13	0 15	2 40	22 28	0 2	12 9	0 53	22 55	0 8	23 16	23 11	22 6	12 20	6 52
S 19	21 6	15 47	4 1	21 27	0 34	24 10	1 28	24 43	2 18	0 1	1 13	0 15	2 40	22 29	0 2	12 9	0 53	22 56	0 8	23 16	23 11	22 5	12 20	6 53
M20	21 16	11 53	4 37	22 1	0 43	23 53	1 15	24 44	2 22	0n 3	1 13	0 14	2 40	22 29	0 2	12 9	0 53	22 56	0 8	23 16	23 11	22 5	12 19	6 53
T 21	21 26	7 25	5 2	22 33	0 53	23 35	1 2	24 46	2 26	0 7	1 14	0 14	2 39	22 30	0 2	12 9	0 53	22 56	0 8	23 16	23 11	22 4	12 19	6 54
W22	21 36	2 32	5 13	23 2	1 2	23 18	0 48	24 47	2 30	0 11	1 14	0 14	2 39	22 30	0 2	12 8	0 53	22 56	0 8	23 16	23 11	22 3	12 19	6 54
T 23	21 45	2n36	5 8	23 29	1 10	22 59	0 34	24 48	2 33	0 15	1 14	0 14	2 39	22 31	0 2	12 8	0 53	22 56	0 8	23 16	23 12	22 3	12 19	6 55
F 24	21 54	7 46	4 46	23 54	1 18	22 41	0 20	24 49	2 37	0 18	1 14	0 13	2 39	22 31	0 2	12 8	0 53	22 57	0 8	23 17	23 12	22 2	12 19	6 55
S 25	22 3	12 44	4 8	24 15	1 26	22 22	0 6	24 50	2 40	0 22	1 15	0 13	2 38	22 32	0 2	12 8	0 53	22 57	0 8	23 17	23 12	22 2	12 19	6 55
S 26	22 11	17 7	3 13	24 34	1 32	22 3	0s 8	24 50	2 44	0 26	1 15	0 13	2 38	22 32	0 2	12 7	0 53	22 57	0 7	23 17	23 12	22 1	12 19	6 56
M27	22 19	20 35	2 5	24 50	1 38	21 43	0 22	24 51	2 47	0 29	1 15	0 13	2 38	22 32	0 2	12 7	0 53	22 57	0 7	23 17	23 13	22 0	12 19	6 56
T 28	22 26	22 45	0 47	25 3	1 44	21 24	0 36	24 51	2 51	0 33	1 15	0 13	2 38	22 33	0 2	12 7	0 53	22 57	0 7	23 17	23 13	22 0	12 19	6 56
W29	22 34	23 20	0n34	25 14	1 48	21 5	0 50	24 52	2 54	0 36	1 15	0 13	2 37	22 33	0 2	12 7	0 53	22 58	0 7	23 17	23 13	21 59	12 19	6 57
T 30	22 40	22 18	1 53	25 22	1 52	20 45	1 4	24 52	2 57	0 39	1 16	0 13	2 37	22 34	0 2	12 6	0 53	22 58	0 7	23 17	23 13	21 58	12 19	6 57
F 31	22n46	19n46	3n 3	25n27	1n55	20n27	1s17	24s52	3s 1	0n43	1s16	0s13	2n37	22n34	0n 2	12n 6	0n53	22s58	0n 7	23n17	23n13	21s58	12s19	6n58

Julian Day Number = 2186871.5, Delta T = 11m03s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'03, Lahiri = 13°45'03 Julian Calendar 1 May 1275 == Greg. Calendar 8 May 1275

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ASTRODIENST EPHEMERIS for the year 1275
geocentric

JUNE 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 5 12	16♊46'16	27♌52	0♋45	7°R21	8°R45	4♈50	6°R35	13♊44	0♍41	10°R53	8♋ 3	8♋58	0♒38	5°R 2	S 1
S 2	17 9 8	17°43'29	12♍ 0	2°40	6♊49	8♐26	4°59	6°D35	13°47	0°42	10♑52	8°R 4	8°55	0°44	5♒ 0	S 2
M 3	17 13 5	18°40'42	25°51	4°33	6°18	8° 7	5° 7	6♎35	13°51	0°43	10°51	8° 4	8°52	0°51	4°59	M 3
T 4	17 17 1	19°37'54	9♎24	6°24	5°48	7°48	5°16	6°35	13°54	0°44	10°50	8° 3	8°48	0°58	4°57	T 4
W 5	17 20 58	20°35'05	22°41	8°12	5°20	7°30	5°24	6°35	13°58	0°45	10°48	8° 1	8°45	1° 4	4°55	W 5
T 6	17 24 54	21°32'16	5♏42	9°59	4°55	7°12	5°32	6°35	14° 1	0°46	10°47	7°59	8°42	1°11	4°53	T 6
F 7	17 28 51	22°29'26	18°29	11°43	4°31	6°55	5°40	6°36	14° 5	0°47	10°45	7°57	8°39	1°18	4°50	F 7
S 8	17 32 48	23°26'36	1♐ 2	13°24	4°10	6°38	5°48	6°36	14° 8	0°48	10°44	7°55	8°36	1°24	4°48	S 8
S 9	17 36 44	24°23'46	13°24	15° 4	3°51	6°22	5°56	6°37	14°12	0°49	10°43	7°53	8°32	1°31	4°46	S 9
M10	17 40 41	25°20'55	25°34	16°41	3°34	6° 6	6° 3	6°38	14°15	0°50	10°41	7°52	8°29	1°38	4°44	M10
T 11	17 44 37	26°18'04	7♑36	18°16	3°19	5°50	6°10	6°38	14°19	0°51	10°40	7°D52	8°26	1°44	4°42	T 11
W12	17 48 34	27°15'13	19°31	19°48	3° 7	5°35	6°18	6°39	14°22	0°52	10°38	7°52	8°23	1°51	4°39	W12
T 13	17 52 30	28°12'22	1♒21	21°19	2°57	5°21	6°25	6°40	14°26	0°53	10°37	7°53	8°20	1°57	4°37	T 13
F 14	17 56 27	29° 9'31	13° 9	22°46	2°50	5° 7	6°32	6°41	14°29	0°55	10°36	7°54	8°17	2° 4	4°34	F 14
S 15	18 0 23	0♋ 6'40	24°59	24°12	2°45	4°54	6°38	6°43	14°33	0°56	10°34	7°54	8°13	2°11	4°32	S 15
S 16	18 4 20	1° 3'50	6♓55	25°35	2°43	4°42	6°45	6°44	14°36	0°57	10°33	7°55	8°10	2°17	4°29	S 16
M17	18 8 17	2° 0'59	19° 0	26°56	2°D43	4°31	6°52	6°45	14°40	0°58	10°31	7°56	8° 7	2°24	4°27	M17
T 18	18 12 13	2°58'09	1♈19	28°14	2°45	4°20	6°58	6°47	14°43	1° 0	10°30	7°R56	8° 4	2°31	4°24	T 18
W19	18 16 10	3°55'19	13°56	29°30	2°49	4°10	7° 4	6°48	14°47	1° 1	10°28	7°56	8° 1	2°37	4°22	W19
T 20	18 20 6	4°52'30	26°55	0♌43	2°56	4° 0	7°10	6°50	14°50	1° 3	10°27	7°55	7°58	2°44	4°19	T 20
F 21	18 24 3	5°49'41	10♉19	1°54	3° 5	3°52	7°16	6°52	14°54	1° 4	10°26	7°55	7°54	2°51	4°16	F 21
S 22	18 27 59	6°46'52	24° 9	3° 2	3°16	3°44	7°22	6°54	14°57	1° 5	10°24	7°55	7°51	2°57	4°13	S 22
S 23	18 31 56	7°44'05	8♊25	4° 7	3°29	3°37	7°27	6°56	15° 0	1° 7	10°23	7°D55	7°48	3° 4	4°11	S 23
M24	18 35 52	8°41'17	23° 3	5° 9	3°44	3°31	7°32	6°58	15° 4	1° 8	10°21	7°55	7°45	3°11	4° 8	M24
T 25	18 39 49	9°38'30	7♋59	6° 8	4° 0	3°25	7°38	7° 0	15° 7	1°10	10°20	7°R55	7°42	3°17	4° 5	T 25
W26	18 43 46	10°35'43	23° 3	7° 4	4°19	3°21	7°43	7° 2	15°10	1°11	10°18	7°55	7°38	3°24	4° 2	W26
T 27	18 47 42	11°32'57	8♌ 7	7°57	4°40	3°17	7°47	7° 5	15°14	1°13	10°17	7°55	7°35	3°31	3°59	T 27
F 28	18 51 39	12°30'10	23° 3	8°47	5° 2	3°15	7°52	7° 7	15°17	1°15	10°15	7°54	7°32	3°37	3°56	F 28
S 29	18 55 35	13°27'24	7♍44	9°33	5°26	3°13	7°57	7°10	15°20	1°16	10°14	7°54	7°29	3°44	3°53	S 29
S 30	18 59 32	14♋24'38	22♍ 4	10♌16	5♊52	3♐12	8♈ 1	7♎12	15♊23	1♍18	10♑12	7♋53	7♋26	3♒51	3♒50	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n52	16n 2	4n 1	25n29	1n57	20n 8	1s31	24s52	3s 4	0n46	1s16	0s14	2n37	22n35	0n 2	12n 6	0n53	22s58	0n 7	23n17	23n14	21s57	12s19	6n58
S 2	22 58	11 27	4 44	25 29	1 59	19 50	1 44	24 52	3 7	0 49	1 16	0 14	2 36	22 35	0 2	12 5	0 52	22 58	0 7	23 17	23 14	21 57	12 19	6 58
M 3	23 3	6 22	5 9	25 27	2 0	19 32	1 56	24 52	3 10	0 52	1 17	0 14	2 36	22 36	0 2	12 5	0 52	22 59	0 7	23 17	23 14	21 56	12 19	6 59
T 4	23 8	1 6	5 16	25 23	2 0	19 15	2 8	24 52	3 12	0 55	1 17	0 14	2 36	22 36	0 3	12 5	0 52	22 59	0 7	23 17	23 14	21 55	12 19	6 59
W 5	23 12	4s 8	5 5	25 16	1 59	18 59	2 20	24 51	3 15	0 59	1 17	0 15	2 36	22 36	0 3	12 4	0 52	22 59	0 6	23 17	23 15	21 55	12 19	6 59
T 6	23 16	9 5	4 40	25 7	1 58	18 43	2 31	24 51	3 18	1 2	1 17	0 15	2 35	22 37	0 3	12 4	0 52	22 59	0 6	23 17	23 15	21 54	12 20	7 0
F 7	23 19	13 33	4 0	24 57	1 56	18 28	2 42	24 51	3 21	1 4	1 18	0 15	2 35	22 37	0 3	12 3	0 52	22 59	0 6	23 18	23 15	21 53	12 20	7 0
S 8	23 22	17 21	3 10	24 44	1 54	18 14	2 52	24 50	3 23	1 7	1 18	0 16	2 35	22 38	0 3	12 3	0 52	23 0	0 6	23 18	23 15	21 52	12 20	7 0
S 9	23 25	20 19	2 11	24 30	1 50	18 1	3 2	24 50	3 26	1 10	1 18	0 16	2 35	22 38	0 3	12 3	0 52	23 0	0 6	23 18	23 15	21 52	12 20	7 1
M10	23 27	22 20	1 8	24 15	1 47	17 49	3 11	24 49	3 28	1 13	1 18	0 17	2 34	22 39	0 3	12 2	0 52	23 0	0 6	23 18	23 16	21 51	12 20	7 1
T 11	23 29	23 17	0 1	23 58	1 42	17 37	3 20	24 49	3 30	1 16	1 19	0 17	2 34	22 39	0 3	12 2	0 52	23 0	0 6	23 18	23 16	21 50	12 21	7 1
W12	23 30	23 10	1s 4	23 40	1 37	17 27	3 29	24 48	3 32	1 18	1 19	0 18	2 34	22 39	0 3	12 1	0 52	23 0	0 6	23 18	23 16	21 50	12 21	7 2
T 13	23 31	22 0	2 7	23 21	1 31	17 18	3 36	24 47	3 34	1 21	1 19	0 19	2 34	22 40	0 3	12 1	0 52	23 1	0 6	23 18	23 16	21 49	12 21	7 2
F 14	23 32	19 52	3 4	23 0	1 25	17 9	3 44	24 47	3 36	1 23	1 19	0 19	2 33	22 40	0 3	12 0	0 52	23 1	0 6	23 18	23 16	21 48	12 21	7 2
S 15	23 32	16 54	3 53	22 39	1 18	17 1	3 50	24 46	3 38	1 26	1 20	0 20	2 33	22 41	0 3	12 0	0 52	23 1	0 6	23 18	23 17	21 47	12 22	7 2
S 16	23 32	13 13	4 32	22 16	1 11	16 55	3 57	24 46	3 40	1 28	1 20	0 21	2 33	22 41	0 3	12 0	0 52	23 1	0 5	23 18	23 17	21 47	12 22	7 3
M17	23 31	8 58	5 0	21 53	1 3	16 49	4 2	24 45	3 41	1 30	1 20	0 21	2 33	22 41	0 3	11 59	0 52	23 2	0 5	23 18	23 17	21 46	12 22	7 3
T 18	23 30	4 18	5 15	21 29	0 55	16 44	4 8	24 45	3 43	1 33	1 20	0 22	2 32	22 42	0 3	11 59	0 52	23 2	0 5	23 18	23 17	21 45	12 23	7 3
W19	23 28	0n40	5 16	21 5	0 46	16 40	4 13	24 44	3 44	1 35	1 21	0 23	2 32	22 42	0 3	11 58	0 52	23 2	0 5	23 18	23 17	21 44	12 23	7 3
T 20	23 27	5 44	5 0	20 40	0 37	16 37	4 17	24 44	3 46	1 37	1 21	0 24	2 32	22 43	0 3	11 58	0 52	23 2	0 5	23 18	23 18	21 44	12 23	7 4
F 21	23 24	10 43	4 28	20 15	0 27	16 35	4 21	24 43	3 47	1 39	1 21	0 25	2 32	22 43	0 3	11 57	0 52	23 2	0 5	23 18	23 18	21 43	12 24	7 4
S 22	23 21	15 20	3 40	19 50	0 17	16 33	4 25	24 43	3 48	1 41	1 21	0 26	2 31	22 43	0 3	11 56	0 52	23 3	0 5	23 18	23 18	21 42	12 24	7 4
S 23	23 18	19 13	2 37	19 24	0 6	16 33	4 28	24 42	3 49	1 43	1 22	0 27	2 31	22 44	0 3	11 56	0 52	23 3	0 5	23 18	23 18	21 41	12 25	7 4
M24	23 15	21 59	1 22	18 58	0s 5	16 33	4 31	24 42	3 50	1 45	1 22	0 28	2 31	22 44	0 3	11 55	0 52	23 3	0 5	23 18	23 18	21 41	12 25	7 5
T 25	23 11	23 18	0n 0	18 33	0 17	16 33	4 33	24 42	3 51	1 47	1 22	0 29	2 31	22 45	0 3	11 55	0 52	23 3	0 5	23 18	23 19	21 40	12 26	7 5
W26	23 6	22 55	1 23	18 7	0 28	16 34	4 36	24 42	3 52	1 48	1 23	0 30	2 30	22 45	0 3	11 54	0 52	23 3	0 4	23 18	23 19	21 39	12 26	7 5
T 27	23 2	20 53	2 40	17 42	0 41	16 36	4 37	24 42	3 53	1 50	1 23	0 31	2 30	22 45	0 3	11 54	0 52	23 4	0 4	23 18	23 19	21 38	12 26	7 5
F 28	22 57	17 26	3 45	17 17	0 53	16 39	4 39	24 42	3 53	1 52	1 23	0 33	2 30	22 46	0 3	11 53	0 52	23 4	0 4	23 18	23 19	21 37	12 27	7 5
S 29	22 51	12 57	4 35	16 52	1 6	16 42	4 40	24 42	3 54	1 53	1 23	0 34	2 30	22 46	0 3	11 53	0 52	23 4	0 4	23 18	23 19	21 37	12 27	7 6
S 30	22n45	7n50	5n 5	16n28	1s19	16n45	4s41	24s43	3s55	1n55	1s24	0s35	2n29	22n46	0n 3	11n52	0n52	23s 4	0n 4	23n18	23n19	21s36	12s28	7n 6

Julian Day Number = 2186902.5, Delta T = 11m03s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'07, Lahiri = 13°45'07 Julian Calendar 1 June 1275 == Greg. Calendar 8 June 1275

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ASTRODIENST EPHEMERIS for the year 1275
geocentric

JULY 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 3 28	15♋21'52	6♎ 0	10♌55	6♊19	3°D11	8♈ 5	7♎15	15♊27	1♍19	10°R11	7°R53	7♋23	3♒57	3°R47	M 1
T 2	19 7 25	16°19'06	19°33	11°30	6°47	3♐12	8° 9	7°18	15°30	1°21	10♑ 9	7°D53	7°19	4° 4	3♒44	T 2
W 3	19 11 21	17°16'21	2♏43	12° 1	7°18	3°14	8°13	7°21	15°33	1°23	10° 8	7♋53	7°16	4°11	3°41	W 3
T 4	19 15 18	18°13'36	15°33	12°28	7°49	3°16	8°16	7°24	15°36	1°25	10° 7	7°54	7°13	4°17	3°38	T 4
F 5	19 19 15	19°10'51	28° 5	12°50	8°22	3°19	8°20	7°27	15°39	1°26	10° 5	7°55	7°10	4°24	3°35	F 5
S 6	19 23 11	20° 8'07	10♐24	13° 8	8°56	3°23	8°23	7°30	15°42	1°28	10° 4	7°56	7° 7	4°31	3°31	S 6
S 7	19 27 8	21° 5'23	22°31	13°21	9°32	3°28	8°26	7°33	15°45	1°30	10° 2	7°57	7° 4	4°37	3°28	S 7
M 8	19 31 4	22° 2'40	4♑31	13°30	10° 8	3°34	8°29	7°36	15°48	1°32	10° 1	7°R57	7° 0	4°44	3°25	M 8
T 9	19 35 1	22°59'57	16°24	13°R33	10°46	3°40	8°31	7°40	15°51	1°33	9°59	7°57	6°57	4°51	3°22	T 9
W10	19 38 57	23°57'16	28°14	13°32	11°25	3°47	8°34	7°43	15°54	1°35	9°58	7°56	6°54	4°57	3°19	W10
T 11	19 42 54	24°54'35	10♒ 3	13°25	12° 5	3°55	8°36	7°47	15°57	1°37	9°57	7°54	6°51	5° 4	3°15	T 11
F 12	19 46 50	25°51'54	21°53	13°13	12°46	4° 4	8°38	7°51	16° 0	1°39	9°55	7°52	6°48	5°11	3°12	F 12
S 13	19 50 47	26°49'15	3♓46	12°56	13°29	4°13	8°40	7°54	16° 3	1°41	9°54	7°49	6°44	5°17	3° 9	S 13
S 14	19 54 44	27°46'37	15°44	12°35	14°12	4°24	8°42	7°58	16° 6	1°43	9°52	7°46	6°41	5°24	3° 6	S 14
M15	19 58 40	28°44'00	27°52	12° 8	14°56	4°35	8°43	8° 2	16° 9	1°45	9°51	7°43	6°38	5°31	3° 2	M15
T 16	20 2 37	29°41'24	10♈12	11°37	15°41	4°46	8°45	8° 6	16°12	1°47	9°50	7°41	6°35	5°37	2°59	T 16
W17	20 6 33	0♌38'49	22°47	11° 1	16°27	4°59	8°46	8°10	16°15	1°49	9°48	7°40	6°32	5°44	2°56	W17
T 18	20 10 30	1°36'16	5♉42	10°22	17°13	5°12	8°47	8°14	16°17	1°51	9°47	7°D40	6°29	5°51	2°52	T 18
F 19	20 14 26	2°33'44	18°59	9°40	18° 1	5°25	8°47	8°18	16°20	1°53	9°46	7°41	6°25	5°57	2°49	F 19
S 20	20 18 23	3°31'13	2♊42	8°55	18°49	5°40	8°48	8°23	16°23	1°55	9°44	7°42	6°22	6° 4	2°46	S 20
S 21	20 22 19	4°28'44	16°50	8° 8	19°38	5°55	8°48	8°27	16°25	1°57	9°43	7°43	6°19	6°11	2°43	S 21
M22	20 26 16	5°26'16	1♋23	7°20	20°28	6°11	8°R48	8°31	16°28	1°59	9°42	7°R44	6°16	6°17	2°39	M22
T 23	20 30 13	6°23'50	16°17	6°32	21°18	6°27	8°48	8°36	16°31	2° 1	9°40	7°44	6°13	6°24	2°36	T 23
W24	20 34 9	7°21'24	1♌25	5°45	22° 9	6°44	8°48	8°41	16°33	2° 3	9°39	7°43	6° 9	6°31	2°33	W24
T 25	20 38 6	8°19'00	16°39	4°59	23° 1	7° 2	8°48	8°45	16°36	2° 5	9°38	7°40	6° 6	6°37	2°30	T 25
F 26	20 42 2	9°16'37	1♍48	4°16	23°53	7°20	8°47	8°50	16°38	2° 7	9°37	7°36	6° 3	6°44	2°26	F 26
S 27	20 45 59	10°14'15	16°43	3°36	24°46	7°39	8°46	8°55	16°41	2° 9	9°35	7°31	6° 0	6°51	2°23	S 27
S 28	20 49 55	11°11'55	1♎16	3° 1	25°40	7°59	8°45	9° 0	16°43	2°11	9°34	7°27	5°57	6°57	2°20	S 28
M29	20 53 52	12° 9'35	15°22	2°30	26°34	8°19	8°44	9° 5	16°45	2°13	9°33	7°23	5°54	7° 4	2°17	M29
T 30	20 57 48	13° 7'16	29° 0	2° 5	27°29	8°40	8°42	9°10	16°48	2°15	9°32	7°21	5°50	7°11	2°13	T 30
W31	21 1 45	14♌ 4'59	12♏11	1♌47	28♊24	9♐ 1	8♈41	9♎15	16♊50	2♍17	9♑31	7°D20	5♋47	7♒17	2♒10	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n39	2n28	5n17	16n 5	1s32	16n49	4s41	24s43	3s55	1n56	1s24	0s36	2n29	22n47	0n 3	11n51	0n52	23s 4	0n 4	23n18	23n20	21s35	12s29	7n 6
T 2	22 32	2s53	5 11	15 43	1 45	16 54	4 42	24 44	3 55	1 57	1 24	0 38	2 29	22 47	0 3	11 51	0 52	23 5	0 4	23 18	23 20	21 34	12 29	7 6
W 3	22 25	7 57	4 48	15 21	1 59	16 59	4 42	24 44	3 56	1 59	1 25	0 39	2 29	22 48	0 3	11 50	0 52	23 5	0 4	23 18	23 20	21 33	12 30	7 6
T 4	22 17	12 33	4 12	15 1	2 13	17 4	4 42	24 45	3 56	2 0	1 25	0 40	2 28	22 48	0 3	11 50	0 52	23 5	0 4	23 18	23 20	21 32	12 30	7 6
F 5	22 9	16 30	3 24	14 41	2 26	17 9	4 41	24 46	3 56	2 1	1 25	0 42	2 28	22 48	0 3	11 49	0 52	23 5	0 4	23 18	23 20	21 32	12 31	7 6
S 6	22 1	19 40	2 27	14 23	2 40	17 15	4 41	24 47	3 56	2 2	1 25	0 43	2 28	22 49	0 3	11 48	0 52	23 6	0 3	23 18	23 20	21 31	12 31	7 6
S 7	21 52	21 55	1 25	14 6	2 54	17 21	4 40	24 48	3 56	2 3	1 26	0 45	2 28	22 49	0 3	11 48	0 52	23 6	0 3	23 18	23 21	21 30	12 32	7 7
M 8	21 43	23 8	0 19	13 51	3 7	17 28	4 39	24 49	3 56	2 4	1 26	0 46	2 27	22 49	0 3	11 47	0 52	23 6	0 3	23 18	23 21	21 29	12 33	7 7
T 9	21 34	23 18	0s47	13 38	3 20	17 34	4 37	24 50	3 56	2 4	1 26	0 48	2 27	22 50	0 3	11 46	0 52	23 6	0 3	23 18	23 21	21 28	12 33	7 7
W10	21 24	22 23	1 50	13 26	3 33	17 41	4 36	24 51	3 56	2 5	1 27	0 49	2 27	22 50	0 3	11 46	0 52	23 6	0 3	23 18	23 21	21 27	12 34	7 7
T 11	21 14	20 30	2 48	13 16	3 45	17 48	4 34	24 53	3 56	2 6	1 27	0 51	2 27	22 50	0 3	11 45	0 52	23 7	0 3	23 18	23 21	21 26	12 35	7 7
F 12	21 3	17 44	3 39	13 8	3 56	17 55	4 32	24 54	3 56	2 6	1 27	0 53	2 27	22 51	0 3	11 44	0 52	23 7	0 3	23 18	23 21	21 25	12 35	7 7
S 13	20 52	14 13	4 21	13 2	4 7	18 2	4 30	24 56	3 56	2 7	1 27	0 54	2 26	22 51	0 3	11 44	0 52	23 7	0 3	23 18	23 22	21 25	12 36	7 7
S 14	20 41	10 8	4 52	12 59	4 17	18 9	4 28	24 58	3 56	2 7	1 28	0 56	2 26	22 51	0 3	11 43	0 52	23 7	0 3	23 18	23 22	21 24	12 37	7 7
M15	20 30	5 35	5 10	12 58	4 26	18 17	4 26	24 59	3 55	2 7	1 28	0 58	2 26	22 51	0 3	11 42	0 52	23 7	0 3	23 18	23 22	21 23	12 37	7 7
T 16	20 18	0 46	5 15	12 59	4 34	18 24	4 23	25 1	3 55	2 8	1 28	1 0	2 26	22 52	0 3	11 42	0 52	23 8	0 3	23 19	23 22	21 22	12 38	7 7
W17	20 5	4n11	5 4	13 2	4 40	18 31	4 21	25 3	3 54	2 8	1 29	1 1	2 26	22 52	0 3	11 41	0 52	23 8	0 2	23 19	23 22	21 21	12 39	7 7
T 18	19 53	9 6	4 38	13 8	4 46	18 38	4 18	25 5	3 54	2 8	1 29	1 3	2 25	22 52	0 3	11 40	0 52	23 8	0 2	23 19	23 22	21 20	12 40	7 7
F 19	19 40	13 44	3 57	13 15	4 49	18 46	4 15	25 7	3 54	2 8	1 29	1 5	2 25	22 53	0 3	11 39	0 52	23 8	0 2	23 19	23 23	21 19	12 40	7 7
S 20	19 27	17 49	3 1	13 25	4 51	18 53	4 12	25 9	3 53	2 8	1 29	1 7	2 25	22 53	0 3	11 39	0 52	23 8	0 2	23 18	23 23	21 18	12 41	7 7
S 21	19 13	21 1	1 52	13 37	4 51	19 0	4 9	25 11	3 52	2 8	1 30	1 9	2 25	22 53	0 3	11 38	0 52	23 9	0 2	23 18	23 23	21 17	12 42	7 7
M22	18 59	22 57	0 35	13 51	4 49	19 7	4 5	25 14	3 52	2 8	1 30	1 11	2 24	22 54	0 3	11 37	0 52	23 9	0 2	23 18	23 23	21 16	12 43	7 7
T 23	18 45	23 19	0n47	14 6	4 45	19 13	4 2	25 16	3 51	2 7	1 30	1 13	2 24	22 54	0 3	11 36	0 52	23 9	0 2	23 18	23 23	21 15	12 43	7 7
W24	18 30	21 58	2 6	14 23	4 40	19 20	3 59	25 18	3 51	2 7	1 31	1 15	2 24	22 54	0 3	11 36	0 52	23 9	0 2	23 18	23 23	21 14	12 44	7 7
T 25	18 15	19 2	3 17	14 41	4 32	19 26	3 55	25 21	3 50	2 6	1 31	1 17	2 24	22 54	0 3	11 35	0 52	23 9	0 2	23 19	23 23	21 13	12 45	7 7
F 26	18 0	14 49	4 14	15 0	4 23	19 32	3 51	25 23	3 49	2 6	1 31	1 19	2 24	22 55	0 3	11 34	0 52	23 9	0 2	23 19	23 24	21 12	12 46	7 7
S 27	17 45	9 45	4 52	15 20	4 13	19 38	3 48	25 26	3 48	2 5	1 32	1 21	2 23	22 55	0 3	11 33	0 52	23 10	0 1	23 19	23 24	21 11	12 46	7 7
S 28	17 29	4 14	5 10	15 40	4 0	19 44	3 44	25 28	3 48	2 5	1 32	1 23	2 23	22 55	0 3	11 33	0 52	23 10	0 1	23 19	23 24	21 10	12 47	7 7
M29	17 13	1s19	5 9	16 0	3 47	19 50	3 40	25 31	3 47	2 4	1 32	1 25	2 23	22 55	0 3	11 32	0 52	23 10	0 1	23 20	23 24	21 9	12 48	7 6
T 30	16 57	6 38	4 50	16 19	3 32	19 55	3 36	25 33	3 46	2 3	1 32	1 27	2 23	22 56	0 3	11 31	0 52	23 10	0 1	23 20	23 24	21 8	12 49	7 6
W31	16n40	11s29	4n16	16n39	3s17	20n 0	3s32	25s36	3s45	2n 2	1s33	1s29	2n23	22n56	0n 3	11n30	0n52	23s10	0n 1	23n20	23n24	21s 8	12s50	7n 6

Julian Day Number = 2186932.5, Delta T = 11m03s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'11, Lahiri = 13°45'11 Julian Calendar 1 July 1275 == Greg. Calendar 8 July 1275

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1275
geocentric

AUGUST 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 5 42	15♌ 2'42	24♏58	1°R35	29♊20	9♐23	8°R39	9♎20	16♊52	2♍20	9°R30	7♋20	5♋44	7♒24	2°R 7	T 1
F 2	21 9 38	16° 0'27	7♐24	1°D30	0♋16	9°45	8♈37	9°25	16°55	2°22	9♑29	7°22	5°41	7°31	2♒ 4	F 2
S 3	21 13 35	16°58'13	19°35	1♌33	1°12	10° 8	8°34	9°30	16°57	2°24	9°27	7°23	5°38	7°37	2° 1	S 3
S 4	21 17 31	17°56'00	1♑35	1°43	2° 9	10°32	8°32	9°36	16°59	2°26	9°26	7°R24	5°35	7°44	1°58	S 4
M 5	21 21 28	18°53'48	13°27	2° 2	3° 7	10°55	8°29	9°41	17° 1	2°28	9°25	7°24	5°31	7°51	1°55	M 5
T 6	21 25 24	19°51'38	25°16	2°27	4° 5	11°20	8°27	9°46	17° 3	2°30	9°24	7°23	5°28	7°57	1°52	T 6
W 7	21 29 21	20°49'30	7♒ 4	3° 1	5° 4	11°45	8°24	9°52	17° 5	2°33	9°23	7°19	5°25	8° 4	1°49	W 7
T 8	21 33 17	21°47'22	18°55	3°42	6° 2	12°10	8°20	9°58	17° 7	2°35	9°22	7°13	5°22	8°11	1°46	T 8
F 9	21 37 14	22°45'16	0♓49	4°31	7° 2	12°36	8°17	10° 3	17° 9	2°37	9°21	7° 6	5°19	8°17	1°43	F 9
S 10	21 41 11	23°43'12	12°49	5°27	8° 1	13° 2	8°13	10° 9	17°11	2°39	9°20	6°57	5°15	8°24	1°40	S 10
S 11	21 45 7	24°41'10	24°56	6°30	9° 1	13°28	8°10	10°15	17°13	2°41	9°19	6°48	5°12	8°31	1°37	S 11
M12	21 49 4	25°39'09	7♈12	7°40	10° 2	13°55	8° 6	10°20	17°14	2°44	9°18	6°40	5° 9	8°37	1°34	M12
T 13	21 53 0	26°37'10	19°38	8°55	11° 3	14°23	8° 1	10°26	17°16	2°46	9°18	6°33	5° 6	8°44	1°31	T 13
W14	21 56 57	27°35'13	2♉18	10°17	12° 4	14°51	7°57	10°32	17°18	2°48	9°17	6°28	5° 3	8°51	1°28	W14
T 15	22 0 53	28°33'18	15°13	11°44	13° 5	15°19	7°53	10°38	17°20	2°50	9°16	6°25	5° 0	8°57	1°25	T 15
F 16	22 4 50	29°31'25	28°25	13°15	14° 7	15°48	7°48	10°44	17°21	2°52	9°15	6°D24	4°56	9° 4	1°23	F 16
S 17	22 8 46	0♍29'34	11♊59	14°51	15° 9	16°17	7°43	10°50	17°23	2°55	9°14	6°25	4°53	9°11	1°20	S 17
S 18	22 12 43	1°27'45	25°55	16°31	16°12	16°46	7°38	10°56	17°24	2°57	9°13	6°26	4°50	9°17	1°17	S 18
M19	22 16 40	2°25'59	10♋14	18°14	17°14	17°16	7°33	11° 2	17°26	2°59	9°13	6°R26	4°47	9°24	1°15	M19
T 20	22 20 36	3°24'14	24°55	20° 0	18°18	17°46	7°28	11° 9	17°27	3° 1	9°12	6°24	4°44	9°31	1°12	T 20
W21	22 24 33	4°22'31	9♌52	21°48	19°21	18°17	7°22	11°15	17°29	3° 4	9°11	6°21	4°41	9°37	1° 9	W21
T 22	22 28 29	5°20'51	24°59	23°38	20°25	18°48	7°17	11°21	17°30	3° 6	9°11	6°15	4°37	9°44	1° 7	T 22
F 23	22 32 26	6°19'12	10♍ 7	25°30	21°28	19°19	7°11	11°28	17°31	3° 8	9°10	6° 7	4°34	9°51	1° 4	F 23
S 24	22 36 22	7°17'35	25° 4	27°22	22°33	19°50	7° 5	11°34	17°32	3°10	9° 9	5°57	4°31	9°57	1° 2	S 24
S 25	22 40 19	8°15'59	9♎43	29°16	23°37	20°22	6°59	11°40	17°34	3°12	9° 9	5°48	4°28	10° 4	1° 0	S 25
M26	22 44 15	9°14'26	23°56	1♍10	24°42	20°54	6°53	11°47	17°35	3°15	9° 8	5°40	4°25	10°11	0°57	M26
T 27	22 48 12	10°12'54	7♏40	3° 3	25°47	21°27	6°46	11°53	17°36	3°17	9° 8	5°33	4°21	10°17	0°55	T 27
W28	22 52 9	11°11'23	20°55	4°57	26°52	22° 0	6°40	12° 0	17°37	3°19	9° 7	5°29	4°18	10°24	0°53	W28
T 29	22 56 5	12° 9'55	3♐44	6°51	27°57	22°33	6°33	12° 6	17°38	3°21	9° 7	5°27	4°15	10°31	0°51	T 29
F 30	23 0 2	13° 8'28	16°11	8°44	29° 3	23° 6	6°26	12°13	17°39	3°24	9° 6	5°D27	4°12	10°37	0°49	F 30
S 31	23 3 58	14♍ 7'03	28♐20	10♍37	0♌ 9	23♐40	6♈20	12♎20	17♊40	3♍26	9♑ 6	5♋27	4♋ 9	10♒44	0♒47	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16n23	15s40	3n31	16n57	3s 0	20n 4	3s28	25s38	3s44	2n 1	1s33	1s32	2n23	22n56	0n 3	11n30	0n52	23s11	0n 1	23n20	23n24	21s 6	12s50	7n 6	T 1
F 2	16 6	19 4	2 36	17 15	2 43	20 9	3 23	25 41	3 44	2 0	1 33	1 34	2 22	22 56	0 3	11 29	0 52	23 11	0 1	23 20	23 25	21 5	12 51	7 6	F 2
S 3	15 49	21 32	1 36	17 31	2 26	20 13	3 19	25 44	3 43	1 59	1 33	1 36	2 22	22 57	0 3	11 28	0 52	23 11	0 1	23 20	23 25	21 4	12 52	7 6	S 3
S 4	15 31	23 0	0 32	17 46	2 8	20 16	3 15	25 46	3 42	1 58	1 34	1 38	2 22	22 57	0 3	11 27	0 52	23 11	0 1	23 20	23 25	21 3	12 53	7 6	S 4
M 5	15 13	23 24	0s33	17 59	1 51	20 19	3 10	25 49	3 41	1 56	1 34	1 41	2 22	22 57	0 3	11 27	0 52	23 11	0 1	23 20	23 25	21 2	12 54	7 5	M 5
T 6	14 55	22 44	1 35	18 11	1 33	20 22	3 6	25 51	3 40	1 55	1 34	1 43	2 22	22 57	0 3	11 26	0 52	23 11	0 0	23 20	23 25	21 1	12 55	7 5	T 6
W 7	14 37	21 3	2 34	18 20	1 16	20 25	3 2	25 54	3 39	1 54	1 35	1 45	2 22	22 57	0 3	11 25	0 52	23 12	0 0	23 20	23 25	21 0	12 55	7 5	W 7
T 8	14 18	18 28	3 25	18 27	0 59	20 27	2 57	25 56	3 38	1 52	1 35	1 48	2 21	22 58	0 3	11 24	0 52	23 12	0 0	23 20	23 25	20 59	12 56	7 5	T 8
F 9	13 59	15 6	4 8	18 32	0 42	20 28	2 53	25 59	3 37	1 51	1 35	1 50	2 21	22 58	0 3	11 23	0 52	23 12	0 0	23 21	23 26	20 58	12 57	7 5	F 9
S 10	13 40	11 5	4 41	18 34	0 26	20 30	2 48	26 1	3 36	1 49	1 35	1 52	2 21	22 58	0 3	11 23	0 52	23 12	0 0	23 21	23 26	20 57	12 58	7 4	S 10
S 11	13 21	6 37	5 1	18 33	0 11	20 31	2 43	26 4	3 35	1 47	1 36	1 55	2 21	22 58	0 3	11 22	0 52	23 12	0 0	23 21	23 26	20 56	12 59	7 4	S 11
M12	13 1	1 50	5 7	18 29	0n 4	20 31	2 39	26 6	3 34	1 45	1 36	1 57	2 21	22 58	0 3	11 21	0 52	23 12	0s 0	23 22	23 26	20 55	13 0	7 4	M12
T 13	12 41	3n 6	4 59	18 23	0 18	20 31	2 34	26 8	3 33	1 44	1 36	2 0	2 21	22 59	0 3	11 20	0 52	23 13	0 0	23 22	23 26	20 54	13 0	7 4	T 13
W14	12 21	7 59	4 37	18 13	0 30	20 30	2 29	26 10	3 32	1 42	1 36	2 2	2 20	22 59	0 3	11 19	0 52	23 13	0 0	23 22	23 26	20 53	13 1	7 4	W14
T 15	12 1	12 38	4 0	18 1	0 42	20 29	2 25	26 13	3 31	1 40	1 37	2 5	2 20	22 59	0 3	11 19	0 52	23 13	0 0	23 23	23 26	20 52	13 2	7 3	T 15
F 16	11 41	16 48	3 10	17 45	0 53	20 28	2 20	26 15	3 29	1 38	1 37	2 7	2 20	22 59	0 3	11 18	0 52	23 13	0 0	23 23	23 26	20 51	13 3	7 3	F 16
S 17	11 20	20 13	2 7	17 27	1 3	20 26	2 15	26 17	3 28	1 35	1 37	2 9	2 20	22 59	0 3	11 17	0 52	23 13	0 1	23 23	23 27	20 50	13 4	7 3	S 17
S 18	11 0	22 32	0 56	17 6	1 12	20 23	2 10	26 19	3 27	1 33	1 37	2 12	2 20	22 59	0 3	11 16	0 52	23 13	0 1	23 23	23 27	20 49	13 5	7 2	S 18
M19	10 39	23 29	0n20	16 41	1 20	20 21	2 6	26 20	3 26	1 31	1 37	2 15	2 20	22 59	0 3	11 15	0 52	23 13	0 1	23 23	23 27	20 48	13 5	7 2	M19
T 20	10 18	22 50	1 37	16 15	1 27	20 17	2 1	26 22	3 25	1 29	1 38	2 17	2 20	23 0	0 3	11 15	0 52	23 14	0 1	23 23	23 27	20 46	13 6	7 2	T 20
W21	9 57	20 33	2 49	15 45	1 33	20 13	1 56	26 24	3 24	1 26	1 38	2 20	2 20	23 0	0 3	11 14	0 52	23 14	0 1	23 23	23 27	20 45	13 7	7 2	W21
T 22	9 35	16 50	3 49	15 14	1 37	20 9	1 51	26 25	3 23	1 24	1 38	2 22	2 19	23 0	0 3	11 13	0 52	23 14	0 1	23 23	23 27	20 44	13 8	7 1	T 22
F 23	9 14	12 1	4 34	14 40	1 41	20 4	1 46	26 27	3 21	1 21	1 38	2 25	2 19	23 0	0 3	11 12	0 52	23 14	0 1	23 23	23 27	20 43	13 9	7 1	F 23
S 24	8 52	6 32	4 59	14 4	1 45	19 58	1 42	26 28	3 20	1 19	1 38	2 27	2 19	23 0	0 3	11 11	0 52	23 14	0 1	23 24	23 27	20 42	13 10	7 1	S 24
S 25	8 30	0 47	5 3	13 26	1 47	19 52	1 37	26 29	3 19	1 16	1 39	2 30	2 19	23 0	0 3	11 11	0 52	23 14	0 1	23 24	23 27	20 41	13 10	7 0	S 25
M26	8 8	4s50	4 49	12 47	1 48	19 46	1 32	26 31	3 18	1 14	1 39	2 33	2 19	23 0	0 3	11 10	0 52	23 14	0 1	23 25	23 28	20 40	13 11	7 0	M26
T 27	7 46	10 3	4 18	12 7	1 49	19 39	1 27	26 32	3 17	1 11	1 39	2 35	2 19	23 1	0 3	11 9	0 52	23 15	0 2	23 25	23 28	20 39	13 12	7 0	T 27
W28	7 24	14 37	3 34	11 25	1 49	19 31	1 23	26 32	3 15	1 8	1 39	2 38	2 19	23 1	0 3	11 8	0 52	23 15	0 2	23 25	23 28	20 37	13 13	6 59	W28
T 29	7 1	18 21	2 41	10 42	1 48	19 23	1 18	26 33	3 14	1 6	1 39	2 41	2 19	23 1	0 3	11 7	0 52	23 15	0 2	23 25	23 28	20 36	13 14	6 59	T 29
F 30	6 39	21 8	1 41	9 58	1 46	19 14	1 13	26 34	3 13	1 3	1 39	2 43	2 19	23 1	0 3	11 7	0 52	23 15	0 2	23 25	23 28	20 35	13 14	6 59	F 30
S 31	6n16	22s53	0n38	9n14	1n45	19n 5	1s 8	26s34	3s12	1n 0	1s40	2s46	2n18	23n 1	0n 3	11n 6	0n52	23s15	0s 2	23n25	23n28	20s34	13s15	6n58	S 31

Julian Day Number = 2186963.5, Delta T = 11m03s
Ecliptic obliquity = 23°31'59, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'15, Lahiri = 13°45'16 Julian Calendar 1 Aug. 1275 == Greg. Calendar 8 Aug. 1275

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ASTRODIENST EPHEMERIS for the year 1275
geocentric

SEPTEMBER 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 7 55	15♍ 5'40	10♑17	12♍29	1♌15	24♐14	6°R13	12♎26	17♊41	3♍28	9°R 5	5°R27	4♋ 6	10♒51	0°R45	S 1
M 2	23 11 51	16° 4'18	22° 7	14°21	2°21	24°48	6♈ 5	12°33	17°41	3°30	9♑ 5	5♋26	4° 2	10°57	0♒43	M 2
T 3	23 15 48	17° 2'58	3♒55	16°11	3°28	25°23	5°58	12°40	17°42	3°32	9° 5	5°23	3°59	11° 4	0°41	T 3
W 4	23 19 44	18° 1'40	15°44	18° 1	4°34	25°58	5°51	12°47	17°43	3°34	9° 4	5°16	3°56	11°11	0°39	W 4
T 5	23 23 41	19° 0'24	27°39	19°50	5°41	26°33	5°44	12°53	17°43	3°37	9° 4	5° 7	3°53	11°17	0°37	T 5
F 6	23 27 38	19°59'09	9♓41	21°38	6°49	27° 8	5°36	13° 0	17°44	3°39	9° 4	4°56	3°50	11°24	0°35	F 6
S 7	23 31 34	20°57'57	21°51	23°25	7°56	27°43	5°29	13° 7	17°44	3°41	9° 4	4°43	3°47	11°31	0°34	S 7
S 8	23 35 31	21°56'46	4♈11	25°11	9° 3	28°19	5°21	13°14	17°45	3°43	9° 3	4°30	3°43	11°37	0°32	S 8
M 9	23 39 27	22°55'38	16°41	26°56	10°11	28°55	5°13	13°21	17°45	3°45	9° 3	4°17	3°40	11°44	0°31	M 9
T 10	23 43 24	23°54'32	29°22	28°40	11°19	29°31	5° 6	13°28	17°46	3°47	9° 3	4° 6	3°37	11°51	0°29	T 10
W11	23 47 20	24°53'28	12♉14	0♎24	12°27	0♑ 8	4°58	13°35	17°46	3°49	9° 3	3°58	3°34	11°57	0°28	W11
T 12	23 51 17	25°52'26	25°18	2° 6	13°36	0°44	4°50	13°42	17°46	3°52	9° 3	3°52	3°31	12° 4	0°26	T 12
F 13	23 55 13	26°51'27	8♊35	3°48	14°44	1°21	4°42	13°49	17°46	3°54	9° 3	3°49	3°27	12°11	0°25	F 13
S 14	23 59 10	27°50'30	22° 6	5°28	15°53	1°58	4°34	13°56	17°47	3°56	9°D 3	3°48	3°24	12°17	0°24	S 14
S 15	0 3 6	28°49'36	5♋55	7° 8	17° 1	2°35	4°26	14° 3	17°47	3°58	9° 3	3°48	3°21	12°24	0°23	S 15
M16	0 7 3	29°48'44	20° 0	8°47	18°10	3°13	4°18	14°10	17°R47	4° 0	9° 3	3°48	3°18	12°31	0°21	M16
T 17	0 11 0	0♎47'54	4♌23	10°25	19°20	3°51	4°10	14°17	17°47	4° 2	9° 3	3°45	3°15	12°37	0°20	T 17
W18	0 14 56	1°47'07	19° 0	12° 3	20°29	4°28	4° 2	14°24	17°47	4° 4	9° 3	3°41	3°12	12°44	0°19	W18
T 19	0 18 53	2°46'22	3♍47	13°39	21°38	5° 6	3°54	14°32	17°47	4° 6	9° 3	3°33	3° 8	12°51	0°18	T 19
F 20	0 22 49	3°45'39	18°37	15°15	22°48	5°45	3°46	14°39	17°46	4° 8	9° 3	3°23	3° 5	12°58	0°18	F 20
S 21	0 26 46	4°44'58	3♎21	16°50	23°58	6°23	3°38	14°46	17°46	4°10	9° 3	3°11	3° 2	13° 4	0°17	S 21
S 22	0 30 42	5°44'19	17°51	18°24	25° 8	7° 2	3°29	14°53	17°46	4°12	9° 4	2°59	2°59	13°11	0°16	S 22
M23	0 34 39	6°43'42	2♏ 0	19°58	26°18	7°40	3°21	15° 0	17°46	4°14	9° 4	2°48	2°56	13°18	0°15	M23
T 24	0 38 35	7°43'08	15°45	21°31	27°28	8°19	3°13	15° 7	17°45	4°16	9° 4	2°40	2°52	13°24	0°15	T 24
W25	0 42 32	8°42'35	29° 2	23° 3	28°38	8°58	3° 5	15°15	17°45	4°18	9° 4	2°33	2°49	13°31	0°14	W25
T 26	0 46 29	9°42'04	11♐53	24°34	29°49	9°38	2°57	15°22	17°44	4°20	9° 5	2°30	2°46	13°38	0°14	T 26
F 27	0 50 25	10°41'35	24°22	26° 5	0♍59	10°17	2°49	15°29	17°44	4°22	9° 5	2°29	2°43	13°44	0°14	F 27
S 28	0 54 22	11°41'08	6♑33	27°35	2°10	10°56	2°41	15°36	17°43	4°23	9° 6	2°29	2°40	13°51	0°13	S 28
S 29	0 58 18	12°40'42	18°31	29° 4	3°21	11°36	2°34	15°44	17°43	4°25	9° 6	2°28	2°37	13°58	0°13	S 29
M30	1 2 15	13♎40'19	0♒21	0♏33	4♍32	12♑16	2♈26	15♎51	17♊42	4♍27	9♑ 6	2♋27	2♋33	14♒ 4	0♒13	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n54	23s34	0s26	8n28	1n42	18n55	1s 4	26s35	3s10	0n57	1s40	2s49	2n18	23n 1	0n 3	11n 5	0n52	23s15	0s 2	23n25	23n28	20s33	13s16	6n58
M 2	5 31	23 9	1 27	7 43	1 39	18 45	0 59	26 35	3 9	0 54	1 40	2 51	2 18	23 1	0 3	11 4	0 52	23 15	0 2	23 25	23 28	20 32	13 17	6 58
T 3	5 8	21 42	2 25	6 56	1 36	18 34	0 55	26 35	3 8	0 51	1 40	2 54	2 18	23 1	0 4	11 4	0 52	23 15	0 2	23 25	23 28	20 30	13 17	6 57
W 4	4 45	19 18	3 17	6 10	1 32	18 23	0 50	26 35	3 7	0 48	1 40	2 57	2 18	23 1	0 4	11 3	0 52	23 16	0 2	23 26	23 28	20 29	13 18	6 57
T 5	4 22	16 5	4 0	5 23	1 28	18 11	0 45	26 34	3 5	0 45	1 40	3 0	2 18	23 1	0 4	11 2	0 52	23 16	0 2	23 26	23 29	20 28	13 19	6 56
F 6	3 59	12 10	4 32	4 36	1 23	17 59	0 41	26 34	3 4	0 42	1 40	3 2	2 18	23 1	0 4	11 1	0 52	23 16	0 2	23 26	23 29	20 27	13 20	6 56
S 7	3 36	7 44	4 53	3 49	1 18	17 46	0 36	26 33	3 3	0 39	1 40	3 5	2 18	23 1	0 4	11 0	0 52	23 16	0 3	23 27	23 29	20 26	13 20	6 56
S 8	3 12	2 55	5 0	3 2	1 13	17 33	0 32	26 33	3 1	0 36	1 40	3 8	2 18	23 2	0 4	11 0	0 52	23 16	0 3	23 27	23 29	20 24	13 21	6 55
M 9	2 49	2n 4	4 54	2 15	1 7	17 19	0 28	26 32	3 0	0 33	1 41	3 11	2 18	23 2	0 4	10 59	0 52	23 16	0 3	23 28	23 29	20 23	13 22	6 55
T 10	2 26	7 3	4 32	1 28	1 2	17 5	0 23	26 31	2 59	0 30	1 41	3 13	2 18	23 2	0 4	10 58	0 52	23 16	0 3	23 28	23 29	20 22	13 23	6 54
W11	2 2	11 48	3 57	0 42	0 56	16 50	0 19	26 29	2 57	0 26	1 41	3 16	2 18	23 2	0 4	10 57	0 52	23 16	0 3	23 28	23 29	20 21	13 23	6 54
T 12	1 39	16 7	3 8	0s 5	0 50	16 34	0 15	26 28	2 56	0 23	1 41	3 19	2 18	23 2	0 4	10 57	0 52	23 16	0 3	23 29	23 29	20 19	13 24	6 53
F 13	1 15	19 42	2 9	0 51	0 44	16 19	0 11	26 26	2 55	0 20	1 41	3 22	2 17	23 2	0 4	10 56	0 52	23 16	0 3	23 29	23 29	20 18	13 25	6 53
S 14	0 52	22 16	1 1	1 37	0 37	16 2	0 6	26 24	2 53	0 17	1 41	3 24	2 17	23 2	0 4	10 55	0 52	23 17	0 3	23 29	23 29	20 17	13 25	6 53
S 15	0 28	23 35	0n11	2 22	0 31	15 45	0 2	26 22	2 52	0 14	1 41	3 27	2 17	23 2	0 4	10 54	0 52	23 17	0 3	23 29	23 29	20 16	13 26	6 52
M16	0 5	23 26	1 25	3 8	0 24	15 28	0n 2	26 20	2 51	0 10	1 41	3 30	2 17	23 2	0 4	10 54	0 52	23 17	0 3	23 29	23 30	20 14	13 27	6 52
T 17	0s19	21 44	2 34	3 53	0 17	15 10	0 6	26 18	2 49	0 7	1 41	3 33	2 17	23 2	0 4	10 53	0 53	23 17	0 3	23 29	23 30	20 13	13 27	6 51
W18	0 43	18 35	3 34	4 37	0 10	14 52	0 10	26 15	2 48	0 4	1 41	3 36	2 17	23 2	0 4	10 52	0 53	23 17	0 4	23 29	23 30	20 12	13 28	6 51
T 19	1 6	14 13	4 21	5 21	0 4	14 34	0 13	26 13	2 47	0 1	1 41	3 38	2 17	23 2	0 4	10 52	0 53	23 17	0 4	23 29	23 30	20 11	13 29	6 50
F 20	1 30	8 58	4 50	6 5	0s 3	14 15	0 17	26 10	2 45	0s 3	1 41	3 41	2 17	23 2	0 4	10 51	0 53	23 17	0 4	23 29	23 30	20 9	13 29	6 50
S 21	1 54	3 15	5 0	6 48	0 10	13 55	0 21	26 6	2 44	0 6	1 41	3 44	2 17	23 2	0 4	10 50	0 53	23 17	0 4	23 30	23 30	20 8	13 30	6 50
S 22	2 17	2s33	4 50	7 31	0 17	13 35	0 25	26 3	2 43	0 9	1 41	3 47	2 17	23 2	0 4	10 49	0 53	23 17	0 4	23 30	23 30	20 7	13 30	6 49
M23	2 41	8 6	4 23	8 13	0 24	13 15	0 28	25 59	2 41	0 12	1 41	3 50	2 17	23 2	0 4	10 49	0 53	23 17	0 4	23 30	23 30	20 5	13 31	6 49
T 24	3 4	13 6	3 40	8 54	0 31	12 54	0 32	25 56	2 40	0 15	1 41	3 52	2 17	23 2	0 4	10 48	0 53	23 17	0 4	23 30	23 30	20 4	13 32	6 48
W25	3 28	17 18	2 47	9 35	0 38	12 33	0 35	25 52	2 38	0 18	1 41	3 55	2 17	23 2	0 4	10 47	0 53	23 17	0 4	23 31	23 30	20 3	13 32	6 48
T 26	3 51	20 32	1 47	10 16	0 45	12 11	0 39	25 48	2 37	0 22	1 41	3 58	2 17	23 2	0 4	10 47	0 53	23 18	0 4	23 31	23 30	20 2	13 33	6 47
F 27	4 15	22 42	0 43	10 55	0 52	11 49	0 42	25 43	2 36	0 25	1 41	4 1	2 17	23 2	0 4	10 46	0 53	23 18	0 4	23 31	23 30	20 0	13 33	6 47
S 28	4 38	23 44	0s22	11 34	0 59	11 27	0 45	25 39	2 34	0 28	1 41	4 4	2 17	23 2	0 4	10 45	0 53	23 18	0 4	23 31	23 30	19 59	13 34	6 46
S 29	5 2	23 38	1 24	12 13	1 6	11 4	0 49	25 34	2 33	0 31	1 41	4 6	2 17	23 2	0 4	10 45	0 53	23 18	0 5	23 31	23 30	19 58	13 34	6 46
M30	5s25	22s28	2s22	12s51	1s13	10n41	0n52	25s29	2s31	0s34	1s40	4s 9	2n17	23n 2	0n 4	10n44	0n53	23s18	0s 5	23n31	23n31	19s56	13s35	6n45

Julian Day Number = 2186994.5, Delta T = 11m03s
Ecliptic obliquity = 23°32'00, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'19, Lahiri = 13°45'20 Julian Calendar 1 Sept. 1275 == Greg. Calendar 8 Sept. 1275

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ASTRODIENST EPHEMERIS for the year 1275
geocentric

OCTOBER 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 6 11	14♎39'57	12♒10	2♏ 1	5♍43	12♑56	2°R18	15♎58	17°R41	4♍29	9♑ 7	2°R24	2♋30	14♒11	0°R13	T 1
W 2	1 10 8	15°39'37	24° 2	3°28	6°54	13°36	2♈10	16° 5	17♊40	4°31	9° 7	2♋19	2°27	14°18	0°D13	W 2
T 3	1 14 4	16°39'18	6♓ 1	4°55	8° 5	14°16	2° 3	16°13	17°40	4°32	9° 8	2°10	2°24	14°24	0♒13	T 3
F 4	1 18 1	17°39'02	18°10	6°20	9°16	14°57	1°55	16°20	17°39	4°34	9° 9	1°59	2°21	14°31	0°13	F 4
S 5	1 21 58	18°38'47	0♈31	7°45	10°28	15°37	1°48	16°27	17°38	4°36	9° 9	1°47	2°18	14°38	0°13	S 5
S 6	1 25 54	19°38'34	13° 6	9° 9	11°40	16°18	1°41	16°34	17°37	4°38	9°10	1°34	2°14	14°44	0°13	S 6
M 7	1 29 51	20°38'24	25°54	10°33	12°51	16°58	1°33	16°42	17°36	4°39	9°10	1°22	2°11	14°51	0°13	M 7
T 8	1 33 47	21°38'15	8♉55	11°55	14° 3	17°39	1°26	16°49	17°35	4°41	9°11	1°11	2° 8	14°58	0°14	T 8
W 9	1 37 44	22°38'08	22° 8	13°16	15°15	18°20	1°19	16°56	17°34	4°43	9°12	1° 3	2° 5	15° 4	0°14	W 9
T 10	1 41 40	23°38'04	5♊31	14°37	16°27	19° 1	1°12	17° 3	17°32	4°44	9°13	0°57	2° 2	15°11	0°15	T 10
F 11	1 45 37	24°38'01	19° 4	15°56	17°39	19°42	1° 6	17°10	17°31	4°46	9°13	0°55	1°58	15°18	0°15	F 11
S 12	1 49 33	25°38'01	2♋46	17°14	18°52	20°24	0°59	17°18	17°30	4°47	9°14	0°D54	1°55	15°24	0°16	S 12
S 13	1 53 30	26°38'03	16°37	18°31	20° 4	21° 5	0°52	17°25	17°29	4°49	9°15	0°55	1°52	15°31	0°17	S 13
M14	1 57 27	27°38'08	0♌38	19°47	21°16	21°46	0°46	17°32	17°27	4°50	9°16	0°R55	1°49	15°38	0°18	M14
T 15	2 1 23	28°38'14	14°48	21° 1	22°29	22°28	0°40	17°39	17°26	4°52	9°17	0°54	1°46	15°45	0°18	T 15
W16	2 5 20	29°38'23	29° 5	22°13	23°41	23°10	0°34	17°46	17°24	4°53	9°18	0°50	1°43	15°51	0°19	W16
T 17	2 9 16	0♏38'34	13♍28	23°24	24°54	23°51	0°28	17°53	17°23	4°55	9°19	0°44	1°39	15°58	0°20	T 17
F 18	2 13 13	1°38'46	27°51	24°32	26° 7	24°33	0°22	18° 1	17°21	4°56	9°20	0°36	1°36	16° 5	0°21	F 18
S 19	2 17 9	2°39'01	12♎ 9	25°38	27°20	25°15	0°16	18° 8	17°20	4°58	9°21	0°27	1°33	16°11	0°23	S 19
S 20	2 21 6	3°39'18	26°17	26°41	28°33	25°57	0°10	18°15	17°18	4°59	9°22	0°17	1°30	16°18	0°24	S 20
M21	2 25 2	4°39'36	10♏ 9	27°42	29°46	26°39	0° 5	18°22	17°16	5° 0	9°23	0° 8	1°27	16°25	0°25	M21
T 22	2 28 59	5°39'57	23°42	28°39	0♎59	27°21	29♓59	18°29	17°15	5° 2	9°24	0° 1	1°23	16°31	0°26	T 22
W23	2 32 56	6°40'19	6♐53	29°33	2°12	28° 4	29°55	18°36	17°13	5° 3	9°25	29♊56	1°20	16°38	0°28	W23
T 24	2 36 52	7°40'42	19°42	0♐22	3°25	28°46	29°50	18°43	17°11	5° 4	9°26	29°53	1°17	16°45	0°29	T 24
F 25	2 40 49	8°41'07	2♑10	1° 7	4°39	29°28	29°45	18°50	17° 9	5° 5	9°27	29°D53	1°14	16°51	0°31	F 25
S 26	2 44 45	9°41'34	14°22	1°47	5°52	0♒11	29°41	18°57	17° 8	5° 7	9°28	29°54	1°11	16°58	0°32	S 26
S 27	2 48 42	10°42'02	26°22	2°21	7° 6	0°53	29°37	19° 4	17° 6	5° 8	9°30	29°55	1° 8	17° 5	0°34	S 27
M28	2 52 38	11°42'31	8♒14	2°48	8°19	1°36	29°32	19°11	17° 4	5° 9	9°31	29°R56	1° 4	17°11	0°36	M28
T 29	2 56 35	12°43'02	20° 4	3° 9	9°33	2°19	29°29	19°18	17° 2	5°10	9°32	29°55	1° 1	17°18	0°37	T 29
W30	3 0 31	13°43'34	1♓57	3°21	10°46	3° 2	29°25	19°24	17° 0	5°11	9°33	29°53	0°58	17°25	0°39	W30
T 31	3 4 28	14♏44'07	13♓58	3°R25	12♎ 0	3♒44	29♓21	19♎31	16♊58	5♍12	9♑35	29♊49	0♋55	17♒31	0♒41	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s48	20s19	3s14	13s28	1s19	10n18	0n55	25s23	2s30	0s37	1s40	4s12	2n17	23n 1	0n 4	10n43	0n53	23s18	0s 5	23n31	23n31	19s55	13s35	6n45
W 2	6 11	17 17	3 57	14 4	1 26	9 54	0 58	25 18	2 29	0 40	1 40	4 15	2 17	23 1	0 4	10 43	0 53	23 18	0 5	23 31	23 31	19 54	13 36	6 44
T 3	6 34	13 32	4 31	14 39	1 32	9 30	1 1	25 12	2 27	0 43	1 40	4 18	2 17	23 1	0 4	10 42	0 53	23 18	0 5	23 31	23 31	19 52	13 36	6 44
F 4	6 57	9 11	4 53	15 14	1 39	9 6	1 3	25 7	2 26	0 46	1 40	4 20	2 17	23 1	0 4	10 42	0 53	23 18	0 5	23 31	23 31	19 51	13 37	6 43
S 5	7 20	4 23	5 1	15 48	1 45	8 41	1 6	25 0	2 25	0 49	1 40	4 23	2 17	23 1	0 4	10 41	0 53	23 18	0 5	23 31	23 31	19 49	13 37	6 43
S 6	7 43	0n40	4 55	16 21	1 51	8 17	1 9	24 54	2 23	0 51	1 40	4 26	2 17	23 1	0 4	10 40	0 53	23 18	0 5	23 31	23 31	19 48	13 37	6 42
M 7	8 5	5 47	4 34	16 53	1 56	7 51	1 11	24 48	2 22	0 54	1 40	4 29	2 17	23 1	0 4	10 40	0 53	23 18	0 5	23 32	23 31	19 47	13 38	6 42
T 8	8 28	10 45	3 59	17 24	2 2	7 26	1 14	24 41	2 20	0 57	1 39	4 31	2 17	23 1	0 4	10 39	0 53	23 18	0 5	23 32	23 31	19 45	13 38	6 42
W 9	8 50	15 18	3 11	17 55	2 7	7 0	1 16	24 34	2 19	0 59	1 39	4 34	2 17	23 1	0 4	10 39	0 53	23 18	0 5	23 32	23 31	19 44	13 39	6 41
T 10	9 13	19 10	2 11	18 24	2 13	6 34	1 18	24 27	2 18	1 2	1 39	4 37	2 17	23 1	0 4	10 38	0 53	23 18	0 6	23 32	23 31	19 43	13 39	6 41
F 11	9 35	22 2	1 3	18 52	2 18	6 8	1 21	24 19	2 16	1 5	1 39	4 40	2 17	23 1	0 4	10 38	0 53	23 18	0 6	23 32	23 31	19 41	13 39	6 40
S 12	9 57	23 40	0n10	19 19	2 22	5 42	1 23	24 12	2 15	1 7	1 39	4 42	2 17	23 1	0 4	10 37	0 53	23 18	0 6	23 32	23 31	19 40	13 40	6 40
S 13	10 19	23 52	1 23	19 45	2 27	5 15	1 25	24 4	2 13	1 10	1 39	4 45	2 17	23 0	0 4	10 36	0 53	23 18	0 6	23 32	23 31	19 38	13 40	6 39
M14	10 40	22 34	2 32	20 10	2 31	4 48	1 27	23 56	2 12	1 12	1 38	4 48	2 17	23 0	0 4	10 36	0 53	23 18	0 6	23 32	23 31	19 37	13 40	6 39
T 15	11 2	19 50	3 32	20 33	2 34	4 21	1 29	23 48	2 11	1 14	1 38	4 50	2 17	23 0	0 4	10 35	0 53	23 18	0 6	23 32	23 31	19 36	13 41	6 38
W16	11 23	15 53	4 19	20 56	2 37	3 54	1 31	23 39	2 9	1 17	1 38	4 53	2 17	23 0	0 4	10 35	0 53	23 18	0 6	23 32	23 31	19 34	13 41	6 38
T 17	11 45	11 0	4 51	21 17	2 40	3 27	1 32	23 31	2 8	1 19	1 38	4 56	2 17	23 0	0 4	10 34	0 53	23 18	0 6	23 32	23 31	19 33	13 41	6 37
F 18	12 6	5 30	5 4	21 36	2 43	2 59	1 34	23 22	2 6	1 21	1 38	4 58	2 17	23 0	0 4	10 34	0 53	23 19	0 6	23 32	23 31	19 31	13 41	6 37
S 19	12 26	0s15	4 58	21 54	2 44	2 31	1 35	23 13	2 5	1 23	1 37	5 1	2 17	23 0	0 4	10 33	0 53	23 19	0 6	23 32	23 31	19 30	13 42	6 36
S 20	12 47	5 56	4 34	22 11	2 46	2 4	1 37	23 4	2 4	1 25	1 37	5 4	2 18	23 0	0 4	10 33	0 53	23 19	0 6	23 32	23 31	19 28	13 42	6 36
M21	13 7	11 13	3 54	22 26	2 46	1 36	1 38	22 54	2 2	1 27	1 37	5 6	2 18	22 59	0 4	10 33	0 54	23 19	0 7	23 32	23 32	19 27	13 42	6 35
T 22	13 28	15 50	3 2	22 39	2 46	1 8	1 39	22 45	2 1	1 29	1 37	5 9	2 18	22 59	0 4	10 32	0 54	23 19	0 7	23 32	23 32	19 25	13 42	6 35
W23	13 48	19 34	2 0	22 50	2 46	0 40	1 41	22 35	1 59	1 31	1 37	5 12	2 18	22 59	0 4	10 32	0 54	23 19	0 7	23 32	23 32	19 24	13 42	6 34
T 24	14 8	22 13	0 55	22 59	2 44	0 11	1 42	22 25	1 58	1 32	1 36	5 14	2 18	22 59	0 4	10 31	0 54	23 19	0 7	23 32	23 32	19 23	13 43	6 34
F 25	14 27	23 43	0s12	23 6	2 42	0s17	1 43	22 14	1 57	1 34	1 36	5 17	2 18	22 59	0 4	10 31	0 54	23 19	0 7	23 32	23 32	19 21	13 43	6 34
S 26	14 46	24 2	1 17	23 11	2 38	0 45	1 44	22 4	1 55	1 36	1 36	5 19	2 18	22 59	0 4	10 30	0 54	23 19	0 7	23 32	23 32	19 20	13 43	6 33
S 27	15 6	23 13	2 18	23 14	2 34	1 14	1 44	21 53	1 54	1 37	1 36	5 22	2 18	22 58	0 4	10 30	0 54	23 19	0 7	23 32	23 32	19 18	13 43	6 33
M28	15 24	21 22	3 12	23 14	2 28	1 42	1 45	21 42	1 52	1 38	1 35	5 24	2 18	22 58	0 4	10 30	0 54	23 19	0 7	23 32	23 32	19 17	13 43	6 32
T 29	15 43	18 36	3 58	23 11	2 22	2 10	1 46	21 31	1 51	1 40	1 35	5 27	2 18	22 58	0 4	10 29	0 54	23 19	0 7	23 32	23 32	19 15	13 43	6 32
W30	16 1	15 4	4 33	23 5	2 13	2 39	1 46	21 20	1 50	1 41	1 35	5 29	2 18	22 58	0 4	10 29	0 54	23 19	0 7	23 32	23 32	19 14	13 43	6 31
T 31	16s19	10s54	4s57	22s57	2s 4	3s 7	1n47	21s 9	1s48	1s42	1s35	5s32	2n18	22n58	0n 4	10n29	0n54	23s19	0s 7	23n32	23n32	19s12	13s43	6n31

Julian Day Number = 2187024.5, Delta T = 11m03s
Ecliptic obliquity = 23°32'00, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'24, Lahiri = 13°45'24 Julian Calendar 1 Oct. 1275 == Greg. Calendar 8 Oct. 1275

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ASTRODIENST EPHEMERIS for the year 1275
geocentric

NOVEMBER 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 8 25	15♏44'42	26♓11	3°R19	13♎14	4♒27	29°R18	19♎38	16°R56	5♍13	9♑36	29°R44	0♋52	17♒38	0♒43	F 1
S 2	3 12 21	16°45'18	8♈39	3♐ 4	14°27	5°10	29♓15	19°45	16♊54	5°14	9°37	29♊36	0°49	17°45	0°45	S 2
S 3	3 16 18	17°45'55	21°24	2°38	15°41	5°53	29°12	19°51	16°51	5°15	9°39	29°29	0°45	17°52	0°47	S 3
M 4	3 20 14	18°46'33	4♉28	2° 1	16°55	6°36	29° 9	19°58	16°49	5°16	9°40	29°21	0°42	17°58	0°50	M 4
T 5	3 24 11	19°47'13	17°49	1°14	18° 9	7°19	29° 6	20° 5	16°47	5°17	9°42	29°15	0°39	18° 5	0°52	T 5
W 6	3 28 7	20°47'55	1♊26	0°16	19°23	8° 2	29° 4	20°11	16°45	5°18	9°43	29°10	0°36	18°12	0°54	W 6
T 7	3 32 4	21°48'37	15°15	29♏10	20°37	8°45	29° 2	20°18	16°43	5°18	9°44	29° 7	0°33	18°18	0°56	T 7
F 8	3 36 0	22°49'22	29°14	27°57	21°51	9°29	29° 0	20°24	16°40	5°19	9°46	29°D 7	0°29	18°25	0°59	F 8
S 9	3 39 57	23°50'08	13♋19	26°37	23° 5	10°12	28°58	20°31	16°38	5°20	9°47	29° 7	0°26	18°32	1° 1	S 9
S 10	3 43 54	24°50'55	27°28	25°16	24°20	10°55	28°57	20°37	16°36	5°21	9°49	29° 9	0°23	18°38	1° 4	S 10
M11	3 47 50	25°51'44	11♌38	23°53	25°34	11°38	28°55	20°44	16°34	5°21	9°51	29°10	0°20	18°45	1° 6	M11
T 12	3 51 47	26°52'34	25°48	22°34	26°48	12°22	28°54	20°50	16°31	5°22	9°52	29°R11	0°17	18°52	1° 9	T 12
W13	3 55 43	27°53'26	9♍56	21°19	28° 3	13° 5	28°53	20°56	16°29	5°23	9°54	29°10	0°14	18°58	1°12	W13
T 14	3 59 40	28°54'19	24° 0	20°12	29°17	13°49	28°52	21° 3	16°26	5°23	9°55	29° 8	0°10	19° 5	1°14	T 14
F 15	4 3 36	29°55'14	7♎57	19°15	0♏31	14°32	28°52	21° 9	16°24	5°24	9°57	29° 5	0° 7	19°12	1°17	F 15
S 16	4 7 33	0♐56'10	21°47	18°28	1°46	15°15	28°52	21°15	16°22	5°24	9°59	29° 1	0° 4	19°18	1°20	S 16
S 17	4 11 29	1°57'07	5♏26	17°52	3° 0	15°59	28°D51	21°21	16°19	5°25	10° 0	28°56	0° 1	19°25	1°23	S 17
M18	4 15 26	2°58'06	18°53	17°27	4°15	16°43	28°52	21°27	16°17	5°25	10° 2	28°52	29♊58	19°32	1°26	M18
T 19	4 19 23	3°59'05	2♐ 4	17°14	5°29	17°26	28°52	21°33	16°14	5°26	10° 4	28°49	29°55	19°39	1°29	T 19
W20	4 23 19	5° 0'06	14°59	17°D12	6°44	18°10	28°52	21°39	16°12	5°26	10° 5	28°47	29°51	19°45	1°32	W20
T 21	4 27 16	6° 1'08	27°37	17°20	7°59	18°53	28°53	21°45	16° 9	5°26	10° 7	28°D46	29°48	19°52	1°35	T 21
F 22	4 31 12	7° 2'10	10♑ 0	17°37	9°13	19°37	28°54	21°51	16° 7	5°27	10° 9	28°46	29°45	19°59	1°38	F 22
S 23	4 35 9	8° 3'13	22°10	18° 3	10°28	20°21	28°55	21°56	16° 4	5°27	10°11	28°48	29°42	20° 5	1°42	S 23
S 24	4 39 5	9° 4'17	4♒ 9	18°36	11°43	21° 4	28°57	22° 2	16° 2	5°27	10°12	28°49	29°39	20°12	1°45	S 24
M25	4 43 2	10° 5'21	16° 2	19°17	12°57	21°48	28°58	22° 8	15°59	5°27	10°14	28°51	29°35	20°19	1°48	M25
T 26	4 46 58	11° 6'26	27°52	20° 3	14°12	22°32	29° 0	22°13	15°56	5°28	10°16	28°52	29°32	20°25	1°52	T 26
W27	4 50 55	12° 7'31	9♓44	20°55	15°27	23°16	29° 2	22°19	15°54	5°28	10°18	28°R53	29°29	20°32	1°55	W27
T 28	4 54 52	13° 8'36	21°44	21°52	16°42	23°59	29° 4	22°24	15°51	5°28	10°20	28°52	29°26	20°39	1°58	T 28
F 29	4 58 48	14° 9'42	3♈56	22°53	17°57	24°43	29° 7	22°30	15°49	5°28	10°21	28°52	29°23	20°45	2° 2	F 29
S 30	5 2 45	15♐10'48	16♈24	23♏57	19♏11	25♒27	29♓ 9	22♎35	15♊46	5♍28	10♑23	28♊50	29♊20	20♒52	2♒ 6	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s37	6s14	5s 8	22s45	1s53	3s36	1n47	20s57	1s47	1s43	1s34	5s34	2n18	22n58	0n 4	10n28	0n54	23s19	0s 8	23n32	23n32	19s11	13s43	6n30
S 2	16 55	1 14	5 5	22 29	1 40	4 4	1 48	20 45	1 46	1 44	1 34	5 37	2 19	22 57	0 4	10 28	0 54	23 19	0 8	23 32	23 32	19 9	13 43	6 30
S 3	17 12	3n57	4 47	22 10	1 26	4 32	1 48	20 33	1 44	1 45	1 34	5 39	2 19	22 57	0 4	10 28	0 54	23 19	0 8	23 32	23 32	19 8	13 43	6 29
M 4	17 29	9 5	4 13	21 47	1 10	5 1	1 48	20 21	1 43	1 46	1 33	5 42	2 19	22 57	0 4	10 27	0 54	23 19	0 8	23 32	23 32	19 6	13 43	6 29
T 5	17 45	13 55	3 25	21 21	0 52	5 29	1 48	20 9	1 41	1 47	1 33	5 44	2 19	22 57	0 4	10 27	0 54	23 19	0 8	23 32	23 32	19 5	13 43	6 29
W 6	18 1	18 10	2 25	20 50	0 34	5 57	1 48	19 56	1 40	1 48	1 33	5 46	2 19	22 57	0 4	10 27	0 54	23 19	0 8	23 32	23 32	19 3	13 43	6 28
T 7	18 17	21 28	1 15	20 17	0 14	6 25	1 48	19 44	1 39	1 48	1 33	5 49	2 19	22 56	0 4	10 26	0 54	23 18	0 8	23 32	23 32	19 2	13 43	6 28
F 8	18 33	23 32	0n 1	19 41	0n 6	6 53	1 48	19 31	1 37	1 49	1 32	5 51	2 19	22 56	0 4	10 26	0 54	23 18	0 8	23 32	23 32	19 0	13 43	6 27
S 9	18 48	24 8	1 17	19 3	0 27	7 21	1 47	19 18	1 36	1 49	1 32	5 54	2 19	22 56	0 4	10 26	0 54	23 18	0 8	23 32	23 32	18 58	13 43	6 27
S 10	19 3	23 11	2 29	18 23	0 47	7 48	1 47	19 5	1 35	1 49	1 32	5 56	2 20	22 56	0 4	10 26	0 54	23 18	0 8	23 32	23 32	18 57	13 43	6 27
M11	19 18	20 45	3 31	17 44	1 7	8 16	1 47	18 51	1 33	1 50	1 31	5 58	2 20	22 55	0 4	10 26	0 54	23 18	0 8	23 32	23 32	18 55	13 42	6 26
T 12	19 32	17 4	4 21	17 7	1 25	8 43	1 46	18 38	1 32	1 50	1 31	6 0	2 20	22 55	0 4	10 25	0 54	23 18	0 9	23 32	23 32	18 54	13 42	6 26
W13	19 46	12 26	4 55	16 31	1 42	9 11	1 46	18 24	1 31	1 50	1 31	6 3	2 20	22 55	0 4	10 25	0 54	23 18	0 9	23 32	23 32	18 52	13 42	6 25
T 14	20 0	7 9	5 12	15 59	1 57	9 38	1 45	18 10	1 29	1 50	1 31	6 5	2 20	22 55	0 4	10 25	0 54	23 18	0 9	23 32	23 32	18 51	13 42	6 25
F 15	20 13	1 34	5 9	15 31	2 10	10 4	1 44	17 56	1 28	1 50	1 30	6 7	2 20	22 55	0 4	10 25	0 54	23 18	0 9	23 32	23 32	18 49	13 42	6 25
S 16	20 26	4s 4	4 49	15 8	2 20	10 31	1 43	17 42	1 27	1 50	1 30	6 9	2 20	22 54	0 4	10 25	0 55	23 18	0 9	23 32	23 32	18 47	13 41	6 24
S 17	20 38	9 26	4 12	14 50	2 29	10 57	1 42	17 28	1 25	1 50	1 30	6 11	2 20	22 54	0 4	10 24	0 55	23 18	0 9	23 32	23 32	18 46	13 41	6 24
M18	20 50	14 16	3 22	14 37	2 35	11 24	1 41	17 13	1 24	1 49	1 29	6 13	2 21	22 54	0 4	10 24	0 55	23 18	0 9	23 32	23 32	18 44	13 41	6 23
T 19	21 2	18 21	2 22	14 30	2 40	11 50	1 40	16 59	1 23	1 49	1 29	6 15	2 21	22 54	0 4	10 24	0 55	23 18	0 9	23 32	23 32	18 43	13 41	6 23
W20	21 13	21 26	1 15	14 26	2 42	12 15	1 39	16 44	1 21	1 48	1 29	6 18	2 21	22 53	0 4	10 24	0 55	23 18	0 9	23 32	23 32	18 41	13 40	6 23
T 21	21 24	23 24	0 6	14 28	2 43	12 41	1 38	16 29	1 20	1 48	1 28	6 20	2 21	22 53	0 4	10 24	0 55	23 18	0 9	23 32	23 32	18 39	13 40	6 22
F 22	21 34	24 11	1s 2	14 33	2 43	13 6	1 37	16 14	1 19	1 47	1 28	6 22	2 21	22 53	0 5	10 24	0 55	23 18	0 9	23 32	23 32	18 38	13 40	6 22
S 23	21 44	23 46	2 6	14 42	2 41	13 30	1 36	15 59	1 18	1 46	1 28	6 24	2 21	22 53	0 5	10 24	0 55	23 18	0 9	23 32	23 32	18 36	13 39	6 22
S 24	21 54	22 15	3 3	14 54	2 38	13 55	1 34	15 44	1 16	1 46	1 28	6 26	2 22	22 52	0 5	10 24	0 55	23 18	0 10	23 32	23 32	18 35	13 39	6 21
M25	22 3	19 47	3 52	15 8	2 34	14 19	1 33	15 29	1 15	1 45	1 27	6 28	2 22	22 52	0 5	10 24	0 55	23 18	0 10	23 32	23 32	18 33	13 39	6 21
T 26	22 12	16 30	4 31	15 25	2 30	14 43	1 31	15 13	1 14	1 44	1 27	6 29	2 22	22 52	0 5	10 24	0 55	23 18	0 10	23 32	23 32	18 31	13 38	6 21
W27	22 20	12 33	4 59	15 44	2 25	15 6	1 30	14 57	1 12	1 43	1 27	6 31	2 22	22 52	0 5	10 24	0 55	23 18	0 10	23 32	23 32	18 30	13 38	6 20
T 28	22 28	8 6	5 14	16 4	2 19	15 29	1 28	14 42	1 11	1 41	1 26	6 33	2 22	22 51	0 5	10 24	0 55	23 18	0 10	23 32	23 32	18 28	13 37	6 20
F 29	22 35	3 15	5 15	16 25	2 13	15 52	1 27	14 26	1 10	1 40	1 26	6 35	2 22	22 51	0 5	10 24	0 55	23 18	0 10	23 32	23 32	18 26	13 37	6 20
S 30	22s42	1n50	5s 2	16s48	2n 6	16s14	1n25	14s10	1s 9	1s39	1s26	6s37	2n23	22n51	0n 5	10n24	0n55	23s18	0s10	23n32	23n32	18s25	13s37	6n19

Julian Day Number = 2187055.5, Delta T = 11m02s
Ecliptic obliquity = 23°32'00, Nutation = - 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'28, Lahiri = 13°45'28 Julian Calendar 1 Nov. 1275 == Greg. Calendar 8 Nov. 1275

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ASTRODIENST EPHEMERIS for the year 1275
geocentric

DECEMBER 1275 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 6 41	16♐11'55	29♈12	25♏ 5	20♏26	26♒11	29♓12	22♎40	15°R44	5°R28	10♑25	28°R48	29♊16	20♒59	2♒ 9	S 1
M 2	5 10 38	17°13'02	12♉22	26°15	21°41	26°55	29°15	22°46	15♊41	5♍28	10°27	28♊46	29°13	21° 6	2°13	M 2
T 3	5 14 34	18°14'09	25°55	27°28	22°56	27°38	29°18	22°51	15°38	5°28	10°29	28°45	29°10	21°12	2°16	T 3
W 4	5 18 31	19°15'17	9♊49	28°43	24°11	28°22	29°22	22°56	15°36	5°28	10°31	28°44	29° 7	21°19	2°20	W 4
T 5	5 22 27	20°16'25	24° 2	29°59	25°26	29° 6	29°25	23° 1	15°33	5°28	10°33	28°D44	29° 4	21°26	2°24	T 5
F 6	5 26 24	21°17'33	8♋29	1♐18	26°41	29°50	29°29	23° 6	15°31	5°27	10°35	28°44	29° 1	21°32	2°28	F 6
S 7	5 30 21	22°18'42	23° 4	2°38	27°56	0♓34	29°33	23°10	15°28	5°27	10°37	28°44	28°57	21°39	2°31	S 7
S 8	5 34 17	23°19'52	7♌41	3°59	29°11	1°17	29°37	23°15	15°26	5°27	10°39	28°45	28°54	21°46	2°35	S 8
M 9	5 38 14	24°21'02	22°14	5°22	0♐26	2° 1	29°41	23°20	15°23	5°27	10°41	28°45	28°51	21°52	2°39	M 9
T 10	5 42 10	25°22'12	6♍38	6°45	1°41	2°45	29°46	23°25	15°21	5°26	10°43	28°46	28°48	21°59	2°43	T 10
W11	5 46 7	26°23'23	20°51	8°10	2°56	3°29	29°51	23°29	15°18	5°26	10°45	28°R46	28°45	22° 6	2°47	W11
T 12	5 50 3	27°24'34	4♎50	9°35	4°11	4°13	29°56	23°33	15°16	5°26	10°47	28°46	28°41	22°13	2°51	T 12
F 13	5 54 0	28°25'46	18°33	11° 1	5°26	4°56	0♈ 1	23°38	15°13	5°25	10°48	28°D46	28°38	22°19	2°55	F 13
S 14	5 57 56	29°26'58	2♏ 2	12°27	6°41	5°40	0° 6	23°42	15°11	5°25	10°50	28°46	28°35	22°26	2°59	S 14
S 15	6 1 53	0♑28'10	15°16	13°55	7°56	6°24	0°11	23°46	15° 8	5°24	10°52	28°46	28°32	22°33	3° 3	S 15
M16	6 5 50	1°29'23	28°17	15°23	9°11	7° 8	0°17	23°50	15° 6	5°24	10°54	28°46	28°29	22°39	3° 8	M16
T 17	6 9 46	2°30'35	11♐ 4	16°51	10°26	7°52	0°23	23°55	15° 3	5°23	10°56	28°46	28°26	22°46	3°12	T 17
W18	6 13 43	3°31'48	23°38	18°20	11°41	8°35	0°29	23°59	15° 1	5°23	10°59	28°R47	28°22	22°53	3°16	W18
T 19	6 17 39	4°33'01	6♑ 1	19°50	12°56	9°19	0°35	24° 2	14°59	5°22	11° 1	28°46	28°19	22°59	3°20	T 19
F 20	6 21 36	5°34'14	18°14	21°19	14°11	10° 3	0°41	24° 6	14°56	5°22	11° 3	28°46	28°16	23° 6	3°24	F 20
S 21	6 25 32	6°35'26	0♒18	22°50	15°26	10°47	0°48	24°10	14°54	5°21	11° 5	28°45	28°13	23°13	3°29	S 21
S 22	6 29 29	7°36'38	12°14	24°21	16°41	11°31	0°54	24°13	14°51	5°20	11° 7	28°44	28°10	23°20	3°33	S 22
M23	6 33 26	8°37'49	24° 6	25°52	17°57	12°14	1° 1	24°17	14°49	5°20	11° 9	28°43	28° 7	23°26	3°37	M23
T 24	6 37 22	9°39'00	5♓56	27°24	19°12	12°58	1° 8	24°20	14°47	5°19	11°11	28°41	28° 3	23°33	3°42	T 24
W25	6 41 19	10°40'11	17°47	28°56	20°27	13°42	1°15	24°24	14°45	5°18	11°13	28°40	28° 0	23°40	3°46	W25
T 26	6 45 15	11°41'20	29°45	0♑29	21°42	14°26	1°23	24°27	14°42	5°17	11°15	28°39	27°57	23°46	3°50	T 26
F 27	6 49 12	12°42'29	11♈53	2° 2	22°57	15° 9	1°30	24°30	14°40	5°16	11°17	28°D38	27°54	23°53	3°55	F 27
S 28	6 53 8	13°43'38	24°16	3°36	24°12	15°53	1°38	24°33	14°38	5°15	11°19	28°39	27°51	24° 0	3°59	S 28
S 29	6 57 5	14°44'45	6♉59	5°10	25°27	16°37	1°46	24°36	14°36	5°15	11°21	28°40	27°47	24° 6	4° 4	S 29
M30	7 1 1	15°45'52	20° 5	6°45	26°42	17°20	1°54	24°39	14°34	5°14	11°23	28°41	27°44	24°13	4° 8	M30
T 31	7 4 58	16♑46'58	3♊37	8♑20	27♐58	18♓ 4	2♈ 2	24♎42	14♊32	5♍13	11♑25	28♊42	27♊41	24♒20	4♒13	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat
S 1	22s49	6n58	4s33	17s11	1n59	16s36	1n23	13s54	1s 7	1s37	1s25	6s39	2n23	22n50	0n 5	10n24	0n55	23s18	0s10	23n32	23n32	18s23	13s36	6n19
M 2	22 55	11 58	3 50	17 35	1 52	16 57	1 21	13 38	1 6	1 36	1 25	6 40	2 23	22 50	0 5	10 24	0 55	23 17	0 10	23 32	23 32	18 21	13 36	6 19
T 3	23 1	16 31	2 52	17 59	1 44	17 18	1 19	13 21	1 5	1 34	1 25	6 42	2 23	22 50	0 5	10 24	0 55	23 17	0 10	23 32	23 32	18 20	13 35	6 18
W 4	23 6	20 19	1 43	18 23	1 37	17 38	1 17	13 5	1 4	1 33	1 24	6 44	2 23	22 50	0 5	10 24	0 55	23 17	0 10	23 32	23 32	18 18	13 35	6 18
T 5	23 10	22 58	0 26	18 47	1 29	17 58	1 15	12 48	1 2	1 31	1 24	6 45	2 24	22 49	0 5	10 24	0 55	23 17	0 11	23 32	23 32	18 16	13 34	6 18
F 6	23 15	24 9	0n54	19 11	1 21	18 18	1 13	12 32	1 1	1 29	1 24	6 47	2 24	22 49	0 5	10 24	0 55	23 17	0 11	23 32	23 32	18 15	13 33	6 17
S 7	23 19	23 42	2 11	19 34	1 13	18 37	1 11	12 15	1 0	1 27	1 24	6 49	2 24	22 49	0 5	10 24	0 55	23 17	0 11	23 32	23 32	18 13	13 33	6 17
S 8	23 22	21 38	3 20	19 57	1 6	18 56	1 9	11 58	0 59	1 26	1 23	6 50	2 24	22 49	0 5	10 24	0 55	23 17	0 11	23 32	23 32	18 11	13 32	6 17
M 9	23 25	18 11	4 15	20 20	0 58	19 14	1 7	11 42	0 58	1 24	1 23	6 52	2 24	22 48	0 5	10 25	0 55	23 17	0 11	23 32	23 32	18 10	13 32	6 17
T 10	23 27	13 39	4 54	20 42	0 50	19 31	1 5	11 25	0 56	1 21	1 23	6 53	2 25	22 48	0 5	10 25	0 56	23 17	0 11	23 32	23 32	18 8	13 31	6 16
W11	23 29	8 27	5 14	21 4	0 42	19 48	1 3	11 8	0 55	1 19	1 22	6 55	2 25	22 48	0 5	10 25	0 56	23 17	0 11	23 32	23 32	18 6	13 30	6 16
T 12	23 30	2 54	5 16	21 25	0 34	20 4	1 0	10 50	0 54	1 17	1 22	6 56	2 25	22 48	0 5	10 25	0 56	23 17	0 11	23 32	23 32	18 4	13 30	6 16
F 13	23 31	2s42	4 59	21 45	0 26	20 20	0 58	10 33	0 53	1 15	1 22	6 58	2 25	22 47	0 5	10 25	0 56	23 17	0 11	23 32	23 32	18 3	13 29	6 16
S 14	23 32	8 4	4 26	22 4	0 19	20 36	0 56	10 16	0 52	1 12	1 22	6 59	2 25	22 47	0 5	10 25	0 56	23 17	0 11	23 32	23 32	18 1	13 29	6 15
S 15	23 32	12 59	3 39	22 23	0 11	20 50	0 53	9 59	0 50	1 10	1 21	7 0	2 26	22 47	0 5	10 26	0 56	23 17	0 11	23 32	23 32	17 59	13 28	6 15
M16	23 31	17 14	2 41	22 40	0 4	21 4	0 51	9 41	0 49	1 7	1 21	7 2	2 26	22 46	0 5	10 26	0 56	23 16	0 12	23 32	23 31	17 57	13 27	6 15
T 17	23 31	20 35	1 37	22 57	0s 4	21 18	0 49	9 24	0 48	1 5	1 21	7 3	2 26	22 46	0 5	10 26	0 56	23 16	0 12	23 32	23 31	17 56	13 26	6 15
W18	23 29	22 54	0 28	23 12	0 11	21 31	0 46	9 6	0 47	1 2	1 20	7 4	2 26	22 46	0 5	10 26	0 56	23 16	0 12	23 32	23 31	17 54	13 26	6 14
T 19	23 27	24 4	0s40	23 27	0 18	21 43	0 44	8 49	0 46	1 0	1 20	7 5	2 27	22 46	0 5	10 27	0 56	23 16	0 12	23 32	23 31	17 52	13 25	6 14
F 20	23 25	24 2	1 46	23 40	0 25	21 55	0 41	8 31	0 45	0 57	1 20	7 7	2 27	22 45	0 5	10 27	0 56	23 16	0 12	23 32	23 31	17 50	13 24	6 14
S 21	23 22	22 52	2 46	23 52	0 32	22 5	0 39	8 13	0 44	0 54	1 20	7 8	2 27	22 45	0 5	10 27	0 56	23 16	0 12	23 32	23 31	17 49	13 23	6 14
S 22	23 19	20 41	3 38	24 3	0 38	22 16	0 36	7 56	0 42	0 51	1 19	7 9	2 27	22 45	0 5	10 27	0 56	23 16	0 12	23 32	23 31	17 47	13 23	6 14
M23	23 15	17 38	4 21	24 13	0 45	22 25	0 34	7 38	0 41	0 48	1 19	7 10	2 28	22 45	0 5	10 28	0 56	23 16	0 12	23 32	23 31	17 45	13 22	6 13
T 24	23 11	13 53	4 52	24 22	0 51	22 34	0 31	7 20	0 40	0 45	1 19	7 11	2 28	22 44	0 5	10 28	0 56	23 16	0 12	23 32	23 31	17 43	13 21	6 13
W25	23 6	9 36	5 11	24 29	0 57	22 43	0 29	7 2	0 39	0 42	1 18	7 12	2 28	22 44	0 5	10 28	0 56	23 16	0 12	23 32	23 31	17 42	13 20	6 13
T 26	23 1	4 56	5 16	24 35	1 3	22 50	0 26	6 44	0 38	0 39	1 18	7 13	2 28	22 44	0 5	10 29	0 56	23 16	0 12	23 32	23 31	17 40	13 19	6 13
F 27	22 55	0 0	5 8	24 40	1 9	22 57	0 24	6 26	0 37	0 35	1 18	7 14	2 29	22 44	0 5	10 29	0 56	23 16	0 13	23 32	23 31	17 38	13 19	6 13
S 28	22 49	5n 1	4 45	24 43	1 14	23 3	0 21	6 8	0 36	0 32	1 18	7 15	2 29	22 43	0 5	10 29	0 56	23 16	0 13	23 32	23 31	17 36	13 18	6 13
S 29	22 43	9 59	4 8	24 45	1 19	23 9	0 18	5 50	0 35	0 29	1 17	7 16	2 29	22 43	0 5	10 30	0 56	23 15	0 13	23 32	23 31	17 34	13 17	6 12
M30	22 36	14 39	3 18	24 46	1 24	23 14	0 16	5 32	0 34	0 25	1 17	7 16	2 29	22 43	0 5	10 30	0 56	23 15	0 13	23 32	23 31	17 33	13 16	6 12
T 31	22s28	18n46	2s14	24s45	1s29	23s18	0n13	5s14	0s33	0s22	1s17	7s17	2n29	22n43	0n 5	10n31	0n56	23s15	0s13	23n32	23n31	17s31	13s15	6n12

Julian Day Number = 2187085.5, Delta T = 11m02s
Ecliptic obliquity = 23°32'00, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'32, Lahiri = 13°45'32 Julian Calendar 1 Dec. 1275 == Greg. Calendar 8 Dec. 1275

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

JANUARY 1276 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 8 55	17♉48'03	17♊35	9♉56	29♐13	18♓47	2♈10	24♎45	14°R30	5°R12	11♉27	28♊43	27♊38	24♒27	4♒17	W 1
T 2	7 12 51	18°49'08	1♋59	11°32	0♉28	19°31	2°18	24°47	14♊28	5♍11	11°29	28°R44	27°35	24°33	4°22	T 2
F 3	7 16 48	19°50'11	16°44	13° 9	1°43	20°15	2°27	24°50	14°26	5°10	11°31	28°43	27°32	24°40	4°26	F 3
S 4	7 20 44	20°51'14	1♌43	14°46	2°58	20°58	2°35	24°52	14°24	5° 9	11°33	28°41	27°28	24°47	4°31	S 4
S 5	7 24 41	21°52'16	16°47	16°24	4°13	21°42	2°44	24°54	14°22	5° 7	11°35	28°38	27°25	24°53	4°35	S 5
M 6	7 28 37	22°53'18	1♍48	18° 3	5°28	22°25	2°53	24°57	14°20	5° 6	11°37	28°35	27°22	25° 0	4°40	M 6
T 7	7 32 34	23°54'19	16°36	19°42	6°43	23° 9	3° 2	24°59	14°18	5° 5	11°39	28°31	27°19	25° 7	4°45	T 7
W 8	7 36 30	24°55'19	1♎ 6	21°22	7°58	23°52	3°12	25° 1	14°17	5° 4	11°41	28°28	27°16	25°13	4°49	W 8
T 9	7 40 27	25°56'18	15°13	23° 2	9°14	24°36	3°21	25° 3	14°15	5° 3	11°43	28°27	27°13	25°20	4°54	T 9
F 10	7 44 24	26°57'17	28°57	24°43	10°29	25°19	3°30	25° 4	14°13	5° 2	11°45	28°D26	27° 9	25°27	4°58	F 10
S 11	7 48 20	27°58'15	12♏18	26°25	11°44	26° 2	3°40	25° 6	14°11	5° 0	11°47	28°27	27° 6	25°34	5° 3	S 11
S 12	7 52 17	28°59'13	25°18	28° 7	12°59	26°46	3°50	25° 8	14°10	4°59	11°49	28°29	27° 3	25°40	5° 8	S 12
M13	7 56 13	0♒ 0'10	8♐ 1	29°51	14°14	27°29	3°59	25° 9	14° 8	4°58	11°51	28°30	27° 0	25°47	5°12	M13
T 14	8 0 10	1° 1'06	20°30	1♒34	15°29	28°12	4° 9	25°10	14° 7	4°57	11°53	28°32	26°57	25°54	5°17	T 14
W15	8 4 6	2° 2'01	2♉47	3°19	16°44	28°56	4°20	25°12	14° 5	4°55	11°55	28°R32	26°53	26° 0	5°22	W15
T 16	8 8 3	3° 2'55	14°55	5° 4	17°59	29°39	4°30	25°13	14° 4	4°54	11°56	28°30	26°50	26° 7	5°26	T 16
F 17	8 11 59	4° 3'48	26°56	6°50	19°14	0♈22	4°40	25°14	14° 2	4°52	11°58	28°27	26°47	26°14	5°31	F 17
S 18	8 15 56	5° 4'40	8♒53	8°36	20°30	1° 5	4°51	25°15	14° 1	4°51	12° 0	28°22	26°44	26°20	5°36	S 18
S 19	8 19 53	6° 5'31	20°45	10°23	21°45	1°48	5° 1	25°16	14° 0	4°50	12° 2	28°15	26°41	26°27	5°40	S 19
M20	8 23 49	7° 6'20	2♓36	12°11	23° 0	2°32	5°12	25°17	13°58	4°48	12° 4	28° 8	26°38	26°34	5°45	M20
T 21	8 27 46	8° 7'08	14°27	13°59	24°15	3°15	5°23	25°17	13°57	4°47	12° 6	28° 0	26°34	26°41	5°49	T 21
W22	8 31 42	9° 7'54	26°20	15°47	25°30	3°58	5°33	25°18	13°56	4°45	12° 8	27°52	26°31	26°47	5°54	W22
T 23	8 35 39	10° 8'39	8♈19	17°36	26°45	4°41	5°44	25°18	13°55	4°44	12°10	27°46	26°28	26°54	5°59	T 23
F 24	8 39 35	11° 9'22	20°26	19°25	28° 0	5°24	5°56	25°19	13°54	4°42	12°11	27°42	26°25	27° 1	6° 3	F 24
S 25	8 43 32	12°10'03	2♉45	21°14	29°15	6° 7	6° 7	25°19	13°53	4°41	12°13	27°40	26°22	27° 7	6° 8	S 25
S 26	8 47 28	13°10'43	15°21	23° 4	0♒30	6°50	6°18	25°19	13°52	4°39	12°15	27°D39	26°19	27°14	6°13	S 26
M27	8 51 25	14°11'21	28°19	24°52	1°45	7°33	6°29	25°R19	13°51	4°38	12°17	27°40	26°15	27°21	6°17	M27
T 28	8 55 22	15°11'58	11♊41	26°41	3° 0	8°16	6°41	25°19	13°50	4°36	12°19	27°41	26°12	27°28	6°22	T 28
W29	8 59 18	16°12'32	25°31	28°28	4°15	8°59	6°52	25°19	13°49	4°35	12°20	27°R42	26° 9	27°34	6°26	W29
T 30	9 3 15	17°13'05	9♋50	0♓15	5°30	9°42	7° 4	25°18	13°48	4°33	12°22	27°41	26° 6	27°41	6°31	T 30
F 31	9 7 11	18♒13'36	24♋35	2♓ 0	6♒45	10♈24	7♈16	25♎18	13♊48	4♍32	12♉24	27♊39	26♊ 3	27♒48	6♒36	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s21	21n56	1s 1	24s43	1s34	23s21	0n11	4s56	0s32	0s18	1s17	7s18	2n30	22n43	0n 5	10n31	0n56	23s15	0s13	23n32	23n31	17s29	13s14	6n12
T 2	22 12	23 49	0n18	24 39	1 38	23 24	0 8	4 38	0 30	0 15	1 16	7 19	2 30	22 42	0 5	10 31	0 56	23 15	0 13	23 32	23 31	17 27	13 13	6 12
F 3	22 4	24 6	1 38	24 34	1 42	23 26	0 5	4 20	0 29	0 11	1 16	7 19	2 30	22 42	0 5	10 32	0 56	23 15	0 13	23 32	23 31	17 25	13 12	6 12
S 4	21 55	22 39	2 52	24 28	1 46	23 27	0 3	4 2	0 28	0 8	1 16	7 20	2 31	22 42	0 5	10 32	0 56	23 15	0 13	23 32	23 31	17 24	13 11	6 12
S 5	21 45	19 35	3 54	24 19	1 49	23 28	0 0	3 44	0 27	0 4	1 16	7 21	2 31	22 42	0 5	10 33	0 56	23 15	0 13	23 32	23 30	17 22	13 10	6 11
M 6	21 35	15 14	4 41	24 10	1 52	23 27	0s 2	3 25	0 26	0 0	1 15	7 21	2 31	22 41	0 5	10 33	0 57	23 15	0 13	23 32	23 30	17 20	13 9	6 11
T 7	21 25	10 1	5 7	23 58	1 55	23 26	0 5	3 7	0 25	0n 4	1 15	7 22	2 31	22 41	0 5	10 34	0 57	23 15	0 14	23 31	23 30	17 18	13 8	6 11
W 8	21 14	4 21	5 14	23 46	1 57	23 25	0 7	2 49	0 24	0 8	1 15	7 22	2 32	22 41	0 5	10 34	0 57	23 15	0 14	23 31	23 30	17 16	13 7	6 11
T 9	21 3	1s24	5 1	23 31	1 59	23 22	0 10	2 31	0 23	0 12	1 15	7 23	2 32	22 41	0 5	10 35	0 57	23 15	0 14	23 31	23 30	17 14	13 7	6 11
F 10	20 51	6 55	4 31	23 15	2 1	23 19	0 12	2 13	0 22	0 16	1 15	7 23	2 32	22 41	0 5	10 35	0 57	23 14	0 14	23 31	23 30	17 12	13 5	6 11
S 11	20 39	11 59	3 47	22 57	2 2	23 16	0 15	1 54	0 21	0 20	1 14	7 23	2 32	22 40	0 5	10 35	0 57	23 14	0 14	23 31	23 30	17 11	13 4	6 11
S 12	20 27	16 23	2 52	22 38	2 3	23 11	0 17	1 36	0 20	0 24	1 14	7 24	2 33	22 40	0 5	10 36	0 57	23 14	0 14	23 31	23 30	17 9	13 3	6 11
M13	20 14	19 55	1 50	22 17	2 4	23 6	0 20	1 18	0 19	0 28	1 14	7 24	2 33	22 40	0 5	10 36	0 57	23 14	0 14	23 31	23 30	17 7	13 2	6 11
T 14	20 1	22 28	0 44	21 54	2 4	23 0	0 22	1 0	0 18	0 32	1 14	7 24	2 33	22 40	0 5	10 37	0 57	23 14	0 14	23 32	23 30	17 5	13 1	6 11
W15	19 47	23 53	0s23	21 30	2 4	22 53	0 24	0 42	0 17	0 36	1 13	7 24	2 33	22 40	0 5	10 37	0 57	23 14	0 14	23 32	23 30	17 3	13 0	6 11
T 16	19 33	24 9	1 28	21 4	2 3	22 46	0 27	0 24	0 16	0 40	1 13	7 25	2 34	22 40	0 5	10 38	0 57	23 14	0 14	23 31	23 30	17 1	12 59	6 11
F 17	19 19	23 17	2 29	20 36	2 2	22 38	0 29	0 5	0 15	0 45	1 13	7 25	2 34	22 39	0 5	10 39	0 57	23 14	0 14	23 31	23 30	16 59	12 58	6 11
S 18	19 4	21 21	3 22	20 6	2 0	22 29	0 31	0n13	0 15	0 49	1 13	7 25	2 34	22 39	0 5	10 39	0 57	23 14	0 15	23 31	23 30	16 57	12 57	6 11
S 19	18 49	18 31	4 6	19 35	1 58	22 19	0 34	0 31	0 14	0 54	1 13	7 25	2 34	22 39	0 5	10 40	0 57	23 14	0 15	23 31	23 29	16 55	12 56	6 11
M20	18 34	14 55	4 39	19 3	1 55	22 9	0 36	0 49	0 13	0 58	1 12	7 25	2 35	22 39	0 5	10 40	0 57	23 14	0 15	23 31	23 29	16 54	12 55	6 11
T 21	18 19	10 46	5 1	18 28	1 51	21 59	0 38	1 7	0 12	1 2	1 12	7 25	2 35	22 39	0 5	10 41	0 57	23 14	0 15	23 31	23 29	16 52	12 54	6 11
W22	18 3	6 11	5 9	17 52	1 47	21 47	0 40	1 25	0 11	1 7	1 12	7 25	2 35	22 39	0 5	10 41	0 57	23 14	0 15	23 31	23 29	16 50	12 53	6 11
T 23	17 46	1 21	5 4	17 15	1 43	21 35	0 42	1 43	0 10	1 12	1 12	7 25	2 35	22 39	0 5	10 42	0 57	23 13	0 15	23 31	23 29	16 48	12 52	6 11
F 24	17 30	3n36	4 45	16 36	1 38	21 22	0 45	2 1	0 9	1 16	1 12	7 25	2 36	22 38	0 5	10 42	0 57	23 13	0 15	23 31	23 29	16 46	12 51	6 11
S 25	17 13	8 30	4 13	15 55	1 32	21 9	0 47	2 19	0 8	1 21	1 11	7 25	2 36	22 38	0 5	10 43	0 57	23 13	0 15	23 31	23 29	16 44	12 49	6 11
S 26	16 56	13 11	3 28	15 14	1 25	20 55	0 49	2 37	0 7	1 25	1 11	7 24	2 36	22 38	0 5	10 44	0 57	23 13	0 15	23 31	23 29	16 42	12 48	6 11
M27	16 38	17 24	2 32	14 31	1 18	20 40	0 51	2 55	0 6	1 30	1 11	7 24	2 37	22 38	0 5	10 44	0 57	23 13	0 15	23 31	23 29	16 40	12 47	6 11
T 28	16 20	20 52	1 25	13 46	1 10	20 25	0 53	3 12	0 5	1 35	1 11	7 24	2 37	22 38	0 5	10 45	0 57	23 13	0 16	23 31	23 29	16 38	12 46	6 11
W29	16 2	23 16	0 12	13 1	1 2	20 9	0 54	3 30	0 5	1 40	1 11	7 24	2 37	22 38	0 5	10 45	0 57	23 13	0 16	23 31	23 29	16 36	12 45	6 11
T 30	15 44	24 15	1n 5	12 15	0 52	19 53	0 56	3 48	0 4	1 44	1 10	7 23	2 37	22 38	0 5	10 46	0 57	23 13	0 16	23 31	23 29	16 34	12 44	6 11
F 31	15s26	23n35	2n19	11s28	0s42	19s36	0s58	4n 6	0s 3	1n49	1s10	7s23	2n38	22n38	0n 5	10n47	0n57	23s13	0s16	23n31	23n28	16s32	12s42	6n11

Julian Day Number = 2187116.5, Delta T = 11m02s
Ecliptic obliquity = 23°32'00, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'36, Lahiri = 13°45'37 Julian Calendar 1 Jan. 1276 == Greg. Calendar 8 Jan. 1276

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

FEBRUARY 1276 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 11 8	19♒14'06	9♌41	3♓43	8♒ 0	11♈ 7	7♈28	25°R18	13°R47	4°R30	12♑26	27°R34	25♊59	27♒54	6♒40	S 1
S 2	9 15 4	20°14'33	24°59	5°24	9°15	11°50	7°40	25♎17	13♊46	4♍28	12°27	27♊27	25°56	28° 1	6°45	S 2
M 3	9 19 1	21°14'59	10♍18	7° 2	10°30	12°33	7°52	25°16	13°46	4°27	12°29	27°18	25°53	28° 8	6°49	M 3
T 4	9 22 57	22°15'23	25°27	8°37	11°45	13°15	8° 4	25°15	13°45	4°25	12°31	27°10	25°50	28°14	6°54	T 4
W 5	9 26 54	23°15'46	10♎16	10° 8	13° 0	13°58	8°16	25°15	13°45	4°24	12°32	27° 2	25°47	28°21	6°58	W 5
T 6	9 30 51	24°16'08	24°39	11°34	14°15	14°41	8°28	25°13	13°44	4°22	12°34	26°56	25°44	28°28	7° 3	T 6
F 7	9 34 47	25°16'27	8♏32	12°56	15°30	15°23	8°41	25°12	13°44	4°20	12°35	26°53	25°40	28°35	7° 7	F 7
S 8	9 38 44	26°16'46	21°58	14°11	16°45	16° 6	8°53	25°11	13°44	4°19	12°37	26°D51	25°37	28°41	7°12	S 8
S 9	9 42 40	27°17'03	4♐57	15°20	17°59	16°48	9° 6	25°10	13°43	4°17	12°39	26°52	25°34	28°48	7°16	S 9
M10	9 46 37	28°17'19	17°34	16°23	19°14	17°31	9°18	25° 8	13°43	4°15	12°40	26°52	25°31	28°55	7°20	M10
T 11	9 50 33	29°17'33	29°54	17°17	20°29	18°13	9°31	25° 7	13°43	4°14	12°42	26°R53	25°28	29° 1	7°25	T 11
W12	9 54 30	0♓17'45	12♑ 1	18° 4	21°44	18°55	9°43	25° 5	13°43	4°12	12°43	26°51	25°25	29° 8	7°29	W12
T 13	9 58 26	1°17'56	24° 0	18°42	22°59	19°38	9°56	25° 4	13°D43	4°10	12°45	26°48	25°21	29°15	7°33	T 13
F 14	10 2 23	2°18'06	5♒53	19°11	24°14	20°20	10° 9	25° 2	13°43	4° 9	12°46	26°41	25°18	29°22	7°38	F 14
S 15	10 6 20	3°18'13	17°44	19°32	25°29	21° 2	10°22	25° 0	13°43	4° 7	12°47	26°32	25°15	29°28	7°42	S 15
S 16	10 10 16	4°18'18	29°35	19°43	26°44	21°45	10°35	24°58	13°43	4° 5	12°49	26°20	25°12	29°35	7°46	S 16
M17	10 14 13	5°18'22	11♓27	19°R44	27°58	22°27	10°48	24°56	13°43	4° 4	12°50	26° 7	25° 9	29°42	7°51	M17
T 18	10 18 9	6°18'24	23°21	19°37	29°13	23° 9	11° 1	24°54	13°44	4° 2	12°52	25°54	25° 5	29°48	7°55	T 18
W19	10 22 6	7°18'23	5♈19	19°21	0♓28	23°51	11°14	24°51	13°44	4° 0	12°53	25°41	25° 2	29°55	7°59	W19
T 20	10 26 2	8°18'21	17°23	18°56	1°43	24°34	11°28	24°49	13°44	3°59	12°54	25°29	24°59	0♓ 2	8° 3	T 20
F 21	10 29 59	9°18'16	29°35	18°24	2°58	25°16	11°41	24°47	13°45	3°57	12°56	25°21	24°56	0° 9	8° 7	F 21
S 22	10 33 55	10°18'09	11♉57	17°45	4°12	25°58	11°54	24°44	13°45	3°55	12°57	25°15	24°53	0°15	8°11	S 22
S 23	10 37 52	11°18'00	24°33	17° 0	5°27	26°40	12° 8	24°42	13°46	3°54	12°58	25°11	24°50	0°22	8°15	S 23
M24	10 41 49	12°17'49	7♊26	16°11	6°42	27°22	12°21	24°39	13°46	3°52	12°59	25°D10	24°46	0°29	8°20	M24
T 25	10 45 45	13°17'36	20°40	15°17	7°57	28° 4	12°34	24°36	13°47	3°50	13° 0	25°R10	24°43	0°35	8°24	T 25
W26	10 49 42	14°17'20	4♋19	14°22	9°11	28°46	12°48	24°33	13°47	3°49	13° 2	25°10	24°40	0°42	8°27	W26
T 27	10 53 38	15°17'02	18°25	13°25	10°26	29°27	13° 2	24°30	13°48	3°47	13° 3	25° 9	24°37	0°49	8°31	T 27
F 28	10 57 35	16°16'42	2♌57	12°28	11°41	0♉ 9	13°15	24°27	13°49	3°45	13° 4	25° 5	24°34	0°55	8°35	F 28
S 29	11 1 31	17♓16'19	17♌53	11♓33	12♓55	0♉51	13♈29	24♎24	13♊50	3♍44	13♑ 5	24♊58	24♊30	1♓ 2	8♒39	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 7	21n12	3n26	10s41	0s32	19s18	1s 0	4n23	0s 2	1n54	1s10	7s22	2n38	22n38	0n 5	10n47	0n57	23s13	0s16	23n31	23n28	16s30	12s41	6n11
S 2	14 48	17 18	4 18	9 53	0 20	19 0	1 2	4 41	0 1	1 59	1 10	7 22	2 38	22 38	0 5	10 48	0 57	23 13	0 16	23 31	23 28	16 28	12 40	6 11
M 3	14 28	12 14	4 52	9 6	0 8	18 41	1 3	4 58	0 0	2 4	1 10	7 21	2 38	22 38	0 5	10 48	0 57	23 13	0 16	23 30	23 28	16 26	12 39	6 11
T 4	14 9	6 29	5 5	8 18	0n 4	18 22	1 5	5 16	0n 1	2 9	1 10	7 21	2 39	22 38	0 5	10 49	0 57	23 13	0 16	23 30	23 28	16 24	12 38	6 11
W 5	13 49	0 29	4 58	7 32	0 17	18 2	1 6	5 33	0 1	2 14	1 9	7 20	2 39	22 37	0 5	10 50	0 57	23 13	0 16	23 30	23 28	16 22	12 37	6 11
T 6	13 29	5s23	4 31	6 46	0 31	17 42	1 8	5 50	0 2	2 19	1 9	7 20	2 39	22 37	0 5	10 50	0 57	23 13	0 16	23 30	23 28	16 20	12 35	6 11
F 7	13 9	10 47	3 49	6 2	0 45	17 21	1 9	6 8	0 3	2 24	1 9	7 19	2 39	22 37	0 5	10 51	0 57	23 12	0 16	23 30	23 28	16 18	12 34	6 12
S 8	12 48	15 30	2 55	5 20	1 0	17 0	1 11	6 25	0 4	2 29	1 9	7 18	2 40	22 37	0 5	10 51	0 57	23 12	0 17	23 30	23 28	16 16	12 33	6 12
S 9	12 28	19 20	1 55	4 39	1 15	16 38	1 12	6 42	0 5	2 34	1 9	7 18	2 40	22 37	0 5	10 52	0 57	23 12	0 17	23 30	23 28	16 14	12 32	6 12
M10	12 7	22 8	0 50	4 1	1 29	16 16	1 13	6 59	0 5	2 39	1 9	7 17	2 40	22 37	0 5	10 53	0 57	23 12	0 17	23 30	23 27	16 12	12 31	6 12
T 11	11 46	23 48	0s16	3 26	1 44	15 54	1 14	7 16	0 6	2 44	1 8	7 16	2 40	22 37	0 5	10 53	0 57	23 12	0 17	23 30	23 27	16 10	12 29	6 12
W12	11 25	24 19	1 20	2 55	1 59	15 30	1 16	7 33	0 7	2 49	1 8	7 15	2 41	22 37	0 5	10 54	0 57	23 12	0 17	23 30	23 27	16 8	12 28	6 12
T 13	11 3	23 41	2 19	2 27	2 13	15 7	1 17	7 50	0 8	2 54	1 8	7 15	2 41	22 37	0 5	10 55	0 57	23 12	0 17	23 30	23 27	16 6	12 27	6 12
F 14	10 42	21 58	3 12	2 2	2 27	14 43	1 18	8 6	0 8	3 0	1 8	7 14	2 41	22 37	0 5	10 55	0 57	23 12	0 17	23 30	23 27	16 4	12 26	6 12
S 15	10 20	19 19	3 56	1 42	2 40	14 19	1 19	8 23	0 9	3 5	1 8	7 13	2 41	22 37	0 5	10 56	0 57	23 12	0 17	23 29	23 27	16 2	12 25	6 13
S 16	9 58	15 52	4 29	1 27	2 53	13 54	1 20	8 40	0 10	3 10	1 8	7 12	2 41	22 37	0 5	10 56	0 57	23 12	0 17	23 29	23 27	16 0	12 23	6 13
M17	9 36	11 47	4 51	1 15	3 4	13 29	1 21	8 56	0 11	3 15	1 8	7 11	2 42	22 37	0 5	10 57	0 57	23 12	0 17	23 29	23 27	15 58	12 22	6 13
T 18	9 14	7 15	5 1	1 9	3 14	13 4	1 21	9 13	0 12	3 21	1 7	7 10	2 42	22 37	0 5	10 58	0 57	23 12	0 18	23 28	23 27	15 56	12 21	6 13
W19	8 52	2 25	4 57	1 7	3 23	12 38	1 22	9 29	0 12	3 26	1 7	7 9	2 42	22 37	0 5	10 58	0 57	23 12	0 18	23 28	23 26	15 54	12 20	6 13
T 20	8 29	2n33	4 40	1 10	3 30	12 12	1 23	9 45	0 13	3 31	1 7	7 8	2 42	22 37	0 5	10 59	0 57	23 12	0 18	23 27	23 26	15 52	12 19	6 13
F 21	8 7	7 28	4 10	1 18	3 36	11 45	1 23	10 1	0 14	3 37	1 7	7 7	2 43	22 38	0 5	10 59	0 57	23 12	0 18	23 27	23 26	15 50	12 17	6 14
S 22	7 44	12 11	3 28	1 30	3 39	11 18	1 24	10 17	0 14	3 42	1 7	7 6	2 43	22 38	0 5	11 0	0 58	23 12	0 18	23 27	23 26	15 48	12 16	6 14
S 23	7 21	16 29	2 35	1 46	3 41	10 51	1 24	10 33	0 15	3 47	1 7	7 4	2 43	22 38	0 5	11 1	0 58	23 12	0 18	23 27	23 26	15 46	12 15	6 14
M24	6 58	20 7	1 32	2 5	3 41	10 24	1 25	10 49	0 16	3 53	1 7	7 3	2 43	22 38	0 5	11 1	0 58	23 12	0 18	23 27	23 26	15 44	12 14	6 14
T 25	6 35	22 48	0 24	2 28	3 38	9 56	1 25	11 5	0 17	3 58	1 7	7 2	2 43	22 38	0 5	11 2	0 58	23 12	0 18	23 27	23 26	15 42	12 12	6 14
W26	6 12	24 16	0n48	2 53	3 34	9 28	1 25	11 21	0 17	4 3	1 6	7 1	2 44	22 38	0 5	11 3	0 58	23 12	0 18	23 27	23 26	15 40	12 11	6 15
T 27	5 49	24 14	2 0	3 21	3 28	9 0	1 26	11 36	0 18	4 9	1 6	7 0	2 44	22 38	0 5	11 3	0 58	23 12	0 18	23 27	23 25	15 38	12 10	6 15
F 28	5 26	22 35	3 5	3 50	3 20	8 32	1 26	11 52	0 19	4 14	1 6	6 58	2 44	22 38	0 5	11 4	0 58	23 12	0 19	23 26	23 25	15 35	12 9	6 15
S 29	5s 3	19n20	4n 0	4s20	3n10	8s 3	1s26	12n 7	0n19	4n20	1s 6	6s57	2n44	22n38	0n 5	11n 4	0n58	23s12	0s19	23n26	23n25	15s33	12s 8	6n15

Julian Day Number = 2187147.5, Delta T = 11m02s
Ecliptic obliquity = 23°32'00, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'40, Lahiri = 13°45'41 Julian Calendar 1 Feb. 1276 == Greg. Calendar 8 Feb. 1276

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

MARCH 1276 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 5 28	18♓15'54	3♍ 4	10°R40	14♓10	1♉33	13♈43	24°R21	13♊51	3°R42	13♋ 6	24°R49	24♊27	1♓ 9	8♒43	S 1
M 2	11 9 24	19°15'27	18°23	9♓51	15°25	2°15	13°56	24♎18	13°51	3♍41	13° 7	24♊38	24°24	1°16	8°47	M 2
T 3	11 13 21	20°14'58	3♎36	9° 5	16°39	2°56	14°10	24°14	13°52	3°39	13° 8	24°26	24°21	1°22	8°51	T 3
W 4	11 17 18	21°14'27	18°34	8°25	17°54	3°38	14°24	24°11	13°53	3°37	13° 9	24°16	24°18	1°29	8°54	W 4
T 5	11 21 14	22°13'54	3♏ 7	7°49	19° 8	4°19	14°38	24° 8	13°55	3°36	13°10	24° 7	24°15	1°36	8°58	T 5
F 6	11 25 11	23°13'19	17°11	7°19	20°23	5° 1	14°52	24° 4	13°56	3°34	13°11	24° 2	24°11	1°42	9° 2	F 6
S 7	11 29 7	24°12'42	0♐45	6°55	21°38	5°43	15° 6	24° 0	13°57	3°33	13°12	23°58	24° 8	1°49	9° 5	S 7
S 8	11 33 4	25°12'04	13°50	6°37	22°52	6°24	15°20	23°57	13°58	3°31	13°13	23°57	24° 5	1°56	9° 9	S 8
M 9	11 37 0	26°11'24	26°30	6°25	24° 7	7° 5	15°34	23°53	13°59	3°30	13°14	23°57	24° 2	2° 3	9°12	M 9
T 10	11 40 57	27°10'42	8♑50	6°19	25°21	7°47	15°48	23°49	14° 1	3°28	13°15	23°57	23°59	2° 9	9°16	T 10
W11	11 44 53	28° 9'58	20°56	6°D19	26°36	8°28	16° 2	23°45	14° 2	3°27	13°15	23°55	23°56	2°16	9°19	W11
T 12	11 48 50	29° 9'12	2♒52	6°24	27°50	9°10	16°16	23°42	14° 3	3°25	13°16	23°51	23°52	2°23	9°23	T 12
F 13	11 52 46	0♈ 8'25	14°43	6°34	29° 5	9°51	16°30	23°38	14° 5	3°24	13°17	23°45	23°49	2°29	9°26	F 13
S 14	11 56 43	1° 7'35	26°32	6°50	0♈19	10°32	16°44	23°34	14° 6	3°22	13°18	23°35	23°46	2°36	9°29	S 14
S 15	12 0 40	2° 6'44	8♓23	7°11	1°34	11°14	16°58	23°30	14° 8	3°21	13°18	23°23	23°43	2°43	9°32	S 15
M16	12 4 36	3° 5'51	20°18	7°36	2°48	11°55	17°13	23°25	14°10	3°19	13°19	23°10	23°40	2°50	9°36	M16
T 17	12 8 33	4° 4'55	2♈18	8° 6	4° 2	12°36	17°27	23°21	14°11	3°18	13°20	22°56	23°36	2°56	9°39	T 17
W18	12 12 29	5° 3'58	14°26	8°40	5°17	13°17	17°41	23°17	14°13	3°17	13°20	22°42	23°33	3° 3	9°42	W18
T 19	12 16 26	6° 2'58	26°40	9°18	6°31	13°58	17°55	23°13	14°15	3°15	13°21	22°30	23°30	3°10	9°45	T 19
F 20	12 20 22	7° 1'56	9♉ 3	10° 0	7°46	14°39	18° 9	23° 9	14°17	3°14	13°21	22°21	23°27	3°16	9°48	F 20
S 21	12 24 19	8° 0'52	21°37	10°46	9° 0	15°20	18°24	23° 4	14°18	3°13	13°22	22°15	23°24	3°23	9°51	S 21
S 22	12 28 15	8°59'46	4♊21	11°35	10°14	16° 1	18°38	23° 0	14°20	3°11	13°22	22°11	23°21	3°30	9°54	S 22
M23	12 32 12	9°58'38	17°20	12°27	11°29	16°42	18°52	22°56	14°22	3°10	13°23	22°D10	23°17	3°37	9°57	M23
T 24	12 36 9	10°57'28	0♋36	13°22	12°43	17°23	19° 7	22°51	14°24	3° 9	13°23	22°10	23°14	3°43	9°59	T 24
W25	12 40 5	11°56'15	14°10	14°21	13°57	18° 4	19°21	22°47	14°26	3° 8	13°23	22°R10	23°11	3°50	10° 2	W25
T 26	12 44 2	12°54'59	28° 6	15°22	15°11	18°45	19°35	22°42	14°28	3° 6	13°24	22° 9	23° 8	3°57	10° 5	T 26
F 27	12 47 58	13°53'42	12♌23	16°26	16°26	19°26	19°50	22°38	14°30	3° 5	13°24	22° 6	23° 5	4° 3	10° 7	F 27
S 28	12 51 55	14°52'22	27° 0	17°32	17°40	20° 7	20° 4	22°33	14°33	3° 4	13°24	22° 1	23° 2	4°10	10°10	S 28
S 29	12 55 51	15°51'00	11♍52	18°41	18°54	20°47	20°19	22°29	14°35	3° 3	13°25	21°53	22°58	4°17	10°13	S 29
M30	12 59 48	16°49'35	26°52	19°52	20° 8	21°28	20°33	22°24	14°37	3° 2	13°25	21°44	22°55	4°24	10°15	M30
T 31	13 3 44	17♈48'09	11♎51	21♓ 6	21♈22	22♉ 9	20♈47	22♎20	14♊39	3♍ 1	13♋25	21♊34	22♊52	4♓30	10♒17	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s39	14n45	4n39	4s50	2n59	7s35	1s26	12n22	0n20	4n25	1s 6	6s56	2n44	22n38	0n 5	11n 5	0n58	23s12	0s19	23n26	23n25	15s31	12s 6	6n16
M 2	4 16	9 11	4 58	5 20	2 47	7 6	1 26	12 37	0 21	4 31	1 6	6 54	2 45	22 38	0 5	11 6	0 58	23 12	0 19	23 25	23 25	15 29	12 5	6 16
T 3	3 53	3 6	4 56	5 49	2 34	6 36	1 26	12 52	0 21	4 36	1 6	6 53	2 45	22 39	0 5	11 6	0 58	23 12	0 19	23 25	23 25	15 27	12 4	6 16
W 4	3 29	3s 5	4 34	6 17	2 20	6 7	1 26	13 7	0 22	4 41	1 6	6 52	2 45	22 39	0 5	11 7	0 58	23 12	0 19	23 25	23 25	15 25	12 3	6 16
T 5	3 6	8 56	3 54	6 44	2 5	5 38	1 26	13 22	0 23	4 47	1 6	6 50	2 45	22 39	0 5	11 7	0 58	23 12	0 19	23 24	23 24	15 23	12 2	6 16
F 6	2 42	14 8	3 1	7 9	1 50	5 8	1 25	13 37	0 23	4 52	1 5	6 49	2 45	22 39	0 5	11 8	0 58	23 12	0 19	23 24	23 24	15 21	12 0	6 17
S 7	2 18	18 26	1 59	7 32	1 35	4 38	1 25	13 51	0 24	4 58	1 5	6 47	2 45	22 39	0 5	11 8	0 58	23 12	0 19	23 24	23 24	15 19	11 59	6 17
S 8	1 55	21 40	0 53	7 53	1 20	4 8	1 25	14 5	0 24	5 3	1 5	6 46	2 45	22 39	0 5	11 9	0 58	23 12	0 19	23 24	23 24	15 16	11 58	6 17
M 9	1 31	23 43	0s13	8 11	1 5	3 38	1 24	14 20	0 25	5 9	1 5	6 44	2 46	22 39	0 5	11 9	0 58	23 12	0 20	23 24	23 24	15 14	11 57	6 18
T 10	1 8	24 32	1 18	8 28	0 49	3 8	1 24	14 34	0 26	5 14	1 5	6 43	2 46	22 40	0 5	11 10	0 58	23 12	0 20	23 24	23 24	15 12	11 56	6 18
W11	0 44	24 10	2 17	8 42	0 35	2 38	1 23	14 48	0 26	5 20	1 5	6 41	2 46	22 40	0 5	11 11	0 58	23 12	0 20	23 24	23 24	15 10	11 55	6 18
T 12	0 20	22 41	3 10	8 53	0 20	2 7	1 22	15 2	0 27	5 25	1 5	6 40	2 46	22 40	0 5	11 11	0 58	23 12	0 20	23 23	23 23	15 8	11 54	6 18
F 13	0n 3	20 13	3 54	9 2	0 6	1 37	1 22	15 16	0 28	5 31	1 5	6 38	2 46	22 40	0 5	11 12	0 58	23 12	0 20	23 23	23 23	15 6	11 52	6 19
S 14	0 27	16 54	4 28	9 9	0s 7	1 6	1 21	15 29	0 28	5 36	1 5	6 37	2 46	22 40	0 5	11 12	0 58	23 12	0 20	23 23	23 23	15 4	11 51	6 19
S 15	0 51	12 56	4 50	9 14	0 21	0 36	1 20	15 43	0 29	5 42	1 5	6 35	2 46	22 40	0 5	11 13	0 58	23 12	0 20	23 22	23 23	15 1	11 50	6 19
M16	1 14	8 26	4 59	9 16	0 33	0 5	1 19	15 56	0 29	5 47	1 5	6 33	2 46	22 41	0 5	11 13	0 58	23 12	0 20	23 21	23 23	14 59	11 49	6 20
T 17	1 38	3 36	4 56	9 16	0 45	0n25	1 18	16 9	0 30	5 53	1 5	6 32	2 47	22 41	0 5	11 14	0 58	23 12	0 20	23 21	23 23	14 57	11 48	6 20
W18	2 1	1n25	4 39	9 13	0 57	0 56	1 17	16 22	0 30	5 58	1 4	6 30	2 47	22 41	0 5	11 14	0 57	23 12	0 20	23 20	23 23	14 55	11 47	6 20
T 19	2 25	6 27	4 9	9 9	1 7	1 26	1 16	16 35	0 31	6 4	1 4	6 28	2 47	22 41	0 5	11 15	0 57	23 12	0 21	23 19	23 22	14 53	11 46	6 21
F 20	2 48	11 18	3 27	9 3	1 18	1 57	1 15	16 48	0 32	6 9	1 4	6 27	2 47	22 41	0 5	11 15	0 57	23 12	0 21	23 19	23 22	14 50	11 45	6 21
S 21	3 11	15 45	2 34	8 54	1 27	2 27	1 14	17 1	0 32	6 15	1 4	6 25	2 47	22 42	0 5	11 16	0 57	23 12	0 21	23 18	23 22	14 48	11 43	6 21
S 22	3 35	19 35	1 33	8 44	1 36	2 57	1 13	17 13	0 33	6 20	1 4	6 23	2 47	22 42	0 5	11 16	0 57	23 12	0 21	23 18	23 22	14 46	11 42	6 22
M23	3 58	22 30	0 26	8 32	1 45	3 28	1 11	17 26	0 33	6 26	1 4	6 22	2 47	22 42	0 5	11 17	0 57	23 12	0 21	23 18	23 22	14 44	11 41	6 22
T 24	4 21	24 17	0n45	8 18	1 53	3 58	1 10	17 38	0 34	6 31	1 4	6 20	2 47	22 42	0 5	11 17	0 57	23 12	0 21	23 18	23 22	14 42	11 40	6 22
W25	4 44	24 40	1 54	8 2	2 0	4 28	1 9	17 50	0 34	6 37	1 4	6 18	2 47	22 43	0 5	11 17	0 57	23 12	0 21	23 18	23 21	14 40	11 39	6 23
T 26	5 7	23 32	2 58	7 44	2 7	4 58	1 7	18 2	0 35	6 42	1 4	6 17	2 47	22 43	0 5	11 18	0 57	23 13	0 21	23 18	23 21	14 37	11 38	6 23
F 27	5 30	20 53	3 54	7 25	2 13	5 28	1 6	18 13	0 35	6 48	1 4	6 15	2 47	22 43	0 5	11 18	0 57	23 13	0 21	23 18	23 21	14 35	11 37	6 23
S 28	5 53	16 51	4 35	7 4	2 18	5 58	1 4	18 25	0 36	6 53	1 4	6 13	2 47	22 43	0 5	11 19	0 57	23 13	0 21	23 18	23 21	14 33	11 36	6 24
S 29	6 16	11 44	4 58	6 41	2 23	6 28	1 2	18 36	0 36	6 59	1 4	6 12	2 47	22 44	0 5	11 19	0 57	23 13	0 22	23 17	23 21	14 31	11 35	6 24
M30	6 38	5 51	5 2	6 17	2 27	6 58	1 1	18 48	0 37	7 4	1 4	6 10	2 47	22 44	0 5	11 19	0 57	23 13	0 22	23 16	23 21	14 28	11 34	6 24
T 31	7n 1	0s21	4n44	5s51	2s31	7n27	0s59	18n59	0n37	7n10	1s 4	6s 8	2n47	22n44	0n 5	11n20	0n57	23s13	0s22	23n16	23n20	14s26	11s33	6n25

Julian Day Number = 2187176.5, Delta T = 11m02s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'44, Lahiri = 13°45'45 Julian Calendar 1 March 1276 == Greg. Calendar 8 March 1276

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

APRIL 1276 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 7 41	18♈46'41	26♎40	22♓22	22♈37	22♉49	21♈ 2	22°R15	14♊42	3°R 0	13♑25	21°R25	22♊49	4♓37	10♒20	W 1
T 2	13 11 38	19°45'10	11♏ 9	23°39	23°51	23°30	21°16	22♎11	14°44	2♍59	13°26	21♊18	22°46	4°44	10°22	T 2
F 3	13 15 34	20°43'38	25°14	24°59	25° 5	24°10	21°30	22° 6	14°46	2°58	13°26	21°13	22°42	4°50	10°24	F 3
S 4	13 19 31	21°42'04	8♐51	26°22	26°19	24°51	21°45	22° 2	14°49	2°57	13°26	21°10	22°39	4°57	10°27	S 4
S 5	13 23 27	22°40'29	22° 1	27°46	27°33	25°32	21°59	21°57	14°51	2°56	13°26	21°D 9	22°36	5° 4	10°29	S 5
M 6	13 27 24	23°38'52	4♑47	29°12	28°47	26°12	22°14	21°53	14°54	2°55	13°26	21°10	22°33	5°11	10°31	M 6
T 7	13 31 20	24°37'13	17°11	0♈40	0♉ 1	26°52	22°28	21°48	14°56	2°54	13°R26	21°11	22°30	5°17	10°33	T 7
W 8	13 35 17	25°35'33	29°20	2° 9	1°15	27°33	22°42	21°43	14°59	2°53	13°26	21°R11	22°27	5°24	10°35	W 8
T 9	13 39 13	26°33'51	11♒18	3°41	2°29	28°13	22°57	21°39	15° 1	2°52	13°26	21°10	22°23	5°31	10°37	T 9
F 10	13 43 10	27°32'08	23°10	5°15	3°43	28°54	23°11	21°34	15° 4	2°51	13°26	21° 6	22°20	5°37	10°38	F 10
S 11	13 47 7	28°30'23	5♓ 0	6°50	4°57	29°34	23°25	21°30	15° 7	2°50	13°26	21° 1	22°17	5°44	10°40	S 11
S 12	13 51 3	29°28'36	16°54	8°28	6°11	0♊14	23°40	21°25	15° 9	2°50	13°26	20°53	22°14	5°51	10°42	S 12
M13	13 55 0	0♉26'48	28°53	10° 7	7°25	0°54	23°54	21°21	15°12	2°49	13°25	20°45	22°11	5°58	10°44	M13
T 14	13 58 56	1°24'58	11♈ 1	11°48	8°39	1°35	24° 8	21°16	15°15	2°48	13°25	20°35	22° 7	6° 4	10°45	T 14
W15	14 2 53	2°23'06	23°18	13°31	9°53	2°15	24°23	21°12	15°18	2°47	13°25	20°26	22° 4	6°11	10°47	W15
T 16	14 6 49	3°21'13	5♉46	15°15	11° 7	2°55	24°37	21° 7	15°21	2°47	13°25	20°18	22° 1	6°18	10°48	T 16
F 17	14 10 46	4°19'18	18°26	17° 2	12°21	3°35	24°51	21° 3	15°24	2°46	13°24	20°12	21°58	6°24	10°50	F 17
S 18	14 14 42	5°17'22	1♊17	18°50	13°35	4°15	25° 6	20°59	15°26	2°46	13°24	20° 9	21°55	6°31	10°51	S 18
S 19	14 18 39	6°15'24	14°20	20°41	14°49	4°55	25°20	20°54	15°29	2°45	13°24	20°D 7	21°52	6°38	10°52	S 19
M20	14 22 35	7°13'24	27°35	22°33	16° 2	5°35	25°34	20°50	15°32	2°45	13°23	20° 7	21°48	6°45	10°53	M20
T 21	14 26 32	8°11'22	11♋ 3	24°27	17°16	6°15	25°48	20°46	15°35	2°44	13°23	20° 8	21°45	6°51	10°55	T 21
W22	14 30 29	9° 9'18	24°45	26°23	18°30	6°55	26° 2	20°42	15°38	2°44	13°23	20° 9	21°42	6°58	10°56	W22
T 23	14 34 25	10° 7'12	8♌40	28°20	19°44	7°35	26°17	20°37	15°41	2°43	13°22	20°R10	21°39	7° 5	10°57	T 23
F 24	14 38 22	11° 5'05	22°49	0♉20	20°58	8°15	26°31	20°33	15°44	2°43	13°22	20°10	21°36	7°12	10°58	F 24
S 25	14 42 18	12° 2'55	7♍10	2°21	22°11	8°55	26°45	20°29	15°48	2°42	13°21	20° 7	21°33	7°18	10°59	S 25
S 26	14 46 15	13° 0'44	21°41	4°24	23°25	9°35	26°59	20°25	15°51	2°42	13°21	20° 4	21°29	7°25	10°59	S 26
M27	14 50 11	13°58'31	6♎16	6°28	24°39	10°14	27°13	20°21	15°54	2°42	13°20	19°59	21°26	7°32	11° 0	M27
T 28	14 54 8	14°56'16	20°49	8°34	25°52	10°54	27°27	20°17	15°57	2°41	13°20	19°54	21°23	7°38	11° 1	T 28
W29	14 58 4	15°54'00	5♏14	10°42	27° 6	11°34	27°41	20°13	16° 0	2°41	13°19	19°49	21°20	7°45	11° 1	W29
T 30	15 2 1	16♉51'42	19♏25	12♉50	28♉20	12♊14	27♈55	20♎10	16♊ 3	2♍41	13♑18	19♊45	21♊17	7♓52	11♒ 2	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n23	6s28	4n 8	5s24	2s34	7n57	0s57	19n10	0n38	7n15	1s 4	6s 6	2n47	22n44	0n 5	11n20	0n57	23s13	0s22	23n15	23n20	14s24	11s32	6n25
T 2	7 45	12 7	3 16	4 56	2 37	8 26	0 56	19 20	0 38	7 21	1 4	6 5	2 48	22 45	0 5	11 21	0 57	23 13	0 22	23 15	23 20	14 22	11 31	6 25
F 3	8 7	16 59	2 14	4 26	2 39	8 55	0 54	19 31	0 39	7 26	1 4	6 3	2 48	22 45	0 5	11 21	0 57	23 13	0 22	23 14	23 20	14 19	11 30	6 26
S 4	8 29	20 47	1 5	3 54	2 40	9 23	0 52	19 42	0 39	7 32	1 4	6 1	2 48	22 45	0 5	11 21	0 57	23 13	0 22	23 14	23 20	14 17	11 29	6 26
S 5	8 51	23 22	0s 5	3 21	2 41	9 52	0 50	19 52	0 40	7 37	1 3	6 0	2 48	22 46	0 5	11 22	0 57	23 13	0 22	23 14	23 20	14 15	11 28	6 27
M 6	9 13	24 39	1 12	2 47	2 42	10 20	0 48	20 2	0 40	7 42	1 3	5 58	2 47	22 46	0 5	11 22	0 57	23 13	0 22	23 14	23 19	14 13	11 27	6 27
T 7	9 35	24 39	2 15	2 12	2 41	10 48	0 46	20 12	0 41	7 48	1 3	5 56	2 47	22 46	0 5	11 22	0 57	23 14	0 23	23 14	23 19	14 10	11 27	6 27
W 8	9 56	23 28	3 10	1 36	2 41	11 16	0 44	20 22	0 41	7 53	1 3	5 55	2 47	22 46	0 5	11 23	0 57	23 14	0 23	23 14	23 19	14 8	11 26	6 28
T 9	10 17	21 14	3 55	0 58	2 39	11 44	0 42	20 31	0 42	7 58	1 3	5 53	2 47	22 47	0 5	11 23	0 57	23 14	0 23	23 14	23 19	14 6	11 25	6 28
F 10	10 38	18 6	4 31	0 19	2 37	12 11	0 40	20 41	0 42	8 4	1 3	5 51	2 47	22 47	0 5	11 23	0 57	23 14	0 23	23 14	23 19	14 4	11 24	6 29
S 11	10 59	14 16	4 54	0n21	2 35	12 38	0 38	20 50	0 43	8 9	1 3	5 50	2 47	22 47	0 5	11 23	0 57	23 14	0 23	23 14	23 18	14 1	11 23	6 29
S 12	11 20	9 52	5 5	1 2	2 32	13 4	0 36	20 59	0 43	8 15	1 3	5 48	2 47	22 48	0 5	11 24	0 57	23 14	0 23	23 13	23 18	13 59	11 22	6 29
M13	11 40	5 4	5 3	1 45	2 29	13 31	0 34	21 8	0 44	8 20	1 3	5 46	2 47	22 48	0 5	11 24	0 57	23 14	0 23	23 13	23 18	13 57	11 21	6 30
T 14	12 1	0 2	4 47	2 28	2 24	13 57	0 31	21 17	0 44	8 25	1 3	5 45	2 47	22 48	0 5	11 24	0 57	23 14	0 23	23 12	23 18	13 55	11 21	6 30
W15	12 21	5n 6	4 18	3 12	2 20	14 23	0 29	21 25	0 44	8 30	1 3	5 43	2 47	22 49	0 5	11 24	0 57	23 15	0 23	23 11	23 18	13 52	11 20	6 31
T 16	12 41	10 6	3 36	3 58	2 15	14 48	0 27	21 33	0 45	8 36	1 3	5 42	2 47	22 49	0 5	11 25	0 57	23 15	0 23	23 11	23 18	13 50	11 19	6 31
F 17	13 1	14 47	2 42	4 44	2 9	15 13	0 25	21 42	0 45	8 41	1 3	5 40	2 47	22 49	0 5	11 25	0 57	23 15	0 24	23 10	23 17	13 48	11 18	6 31
S 18	13 20	18 52	1 40	5 31	2 3	15 37	0 22	21 50	0 46	8 46	1 3	5 38	2 47	22 50	0 5	11 25	0 57	23 15	0 24	23 10	23 17	13 45	11 17	6 32
S 19	13 40	22 6	0 31	6 18	1 57	16 2	0 20	21 57	0 46	8 51	1 3	5 37	2 47	22 50	0 5	11 25	0 57	23 15	0 24	23 10	23 17	13 43	11 17	6 32
M20	13 59	24 11	0n40	7 7	1 49	16 25	0 18	22 5	0 47	8 57	1 3	5 35	2 47	22 50	0 5	11 25	0 57	23 15	0 24	23 10	23 17	13 41	11 16	6 33
T 21	14 18	24 55	1 51	7 56	1 42	16 49	0 15	22 12	0 47	9 2	1 3	5 34	2 47	22 51	0 5	11 26	0 57	23 15	0 24	23 10	23 17	13 38	11 15	6 33
W22	14 36	24 9	2 57	8 46	1 34	17 12	0 13	22 20	0 47	9 7	1 3	5 32	2 47	22 51	0 5	11 26	0 57	23 15	0 24	23 10	23 16	13 36	11 15	6 33
T 23	14 55	21 54	3 53	9 36	1 26	17 34	0 10	22 27	0 48	9 12	1 3	5 31	2 46	22 51	0 6	11 26	0 57	23 16	0 24	23 10	23 16	13 34	11 14	6 34
F 24	15 13	18 18	4 36	10 26	1 17	17 56	0 8	22 34	0 48	9 17	1 3	5 29	2 46	22 52	0 6	11 26	0 57	23 16	0 24	23 10	23 16	13 31	11 13	6 34
S 25	15 31	13 35	5 3	11 17	1 8	18 18	0 6	22 40	0 49	9 22	1 3	5 28	2 46	22 52	0 6	11 26	0 57	23 16	0 24	23 10	23 16	13 29	11 13	6 35
S 26	15 48	8 3	5 10	12 8	0 58	18 39	0 3	22 47	0 49	9 27	1 3	5 27	2 46	22 52	0 6	11 26	0 57	23 16	0 25	23 10	23 16	13 27	11 12	6 35
M27	16 6	2 4	4 58	12 58	0 48	19 0	0 1	22 53	0 49	9 32	1 3	5 25	2 46	22 53	0 6	11 26	0 57	23 16	0 25	23 9	23 15	13 24	11 11	6 36
T 28	16 23	4s 2	4 27	13 49	0 38	19 20	0n 2	22 59	0 50	9 37	1 3	5 24	2 46	22 53	0 6	11 26	0 57	23 16	0 25	23 9	23 15	13 22	11 11	6 36
W29	16 40	9 53	3 39	14 39	0 28	19 39	0 4	23 5	0 50	9 42	1 3	5 23	2 46	22 53	0 6	11 26	0 57	23 17	0 25	23 8	23 15	13 20	11 10	6 36
T 30	16n56	15s 7	2n38	15n29	0s17	19n58	0n 7	23n11	0n50	9n47	1s 3	5s21	2n46	22n54	0n 6	11n27	0n57	23s17	0s25	23n 8	23n15	13s17	11s10	6n37

Julian Day Number = 2187207.5, Delta T = 11m02s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'49, Lahiri = 13°45'49 Julian Calendar 1 Apr. 1276 == Greg. Calendar 8 Apr. 1276

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

MAY 1276 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 5 58	17♉49'23	3♐17	15♉ 0	29♉33	12♊53	28♈ 9	20°R 6	16♊ 7	2°R41	13°R18	19°R42	21♊13	7♓59	11♒ 2	F 1
S 2	15 9 54	18°47'03	16°47	17°10	0♊47	13°33	28°23	20♎ 2	16°10	2♍41	13♑17	19°D41	21°10	8° 5	11° 3	S 2
S 3	15 13 51	19°44'42	29°55	19°21	2° 1	14°13	28°37	19°58	16°13	2°41	13°16	19♊42	21° 7	8°12	11° 3	S 3
M 4	15 17 47	20°42'19	12♑41	21°33	3°14	14°52	28°50	19°55	16°16	2°40	13°16	19°43	21° 4	8°19	11° 4	M 4
T 5	15 21 44	21°39'56	25° 8	23°44	4°28	15°32	29° 4	19°51	16°20	2°40	13°15	19°44	21° 1	8°25	11° 4	T 5
W 6	15 25 40	22°37'31	7♒20	25°56	5°41	16°11	29°18	19°48	16°23	2°D40	13°14	19°46	20°58	8°32	11° 4	W 6
T 7	15 29 37	23°35'06	19°20	28° 7	6°55	16°51	29°32	19°44	16°26	2°40	13°13	19°R47	20°54	8°39	11° 4	T 7
F 8	15 33 34	24°32'39	1♓14	0♊17	8° 9	17°30	29°45	19°41	16°30	2°40	13°12	19°47	20°51	8°46	11°R 4	F 8
S 9	15 37 30	25°30'11	13° 7	2°27	9°22	18°10	29°59	19°38	16°33	2°40	13°12	19°45	20°48	8°52	11° 4	S 9
S 10	15 41 27	26°27'43	25° 3	4°35	10°36	18°49	0♉13	19°35	16°37	2°41	13°11	19°43	20°45	8°59	11° 4	S 10
M11	15 45 23	27°25'14	7♈ 6	6°41	11°49	19°29	0°26	19°31	16°40	2°41	13°10	19°40	20°42	9° 6	11° 4	M11
T 12	15 49 20	28°22'43	19°19	8°46	13° 3	20° 8	0°40	19°28	16°43	2°41	13° 9	19°37	20°39	9°12	11° 4	T 12
W13	15 53 16	29°20'12	1♉45	10°50	14°16	20°47	0°53	19°25	16°47	2°41	13° 8	19°34	20°35	9°19	11° 3	W13
T 14	15 57 13	0♊17'40	14°26	12°51	15°29	21°27	1° 7	19°23	16°50	2°41	13° 7	19°31	20°32	9°26	11° 3	T 14
F 15	16 1 9	1°15'08	27°23	14°50	16°43	22° 6	1°20	19°20	16°54	2°42	13° 6	19°29	20°29	9°33	11° 3	F 15
S 16	16 5 6	2°12'34	10♊34	16°46	17°56	22°45	1°33	19°17	16°57	2°42	13° 5	19°28	20°26	9°39	11° 2	S 16
S 17	16 9 3	3° 9'59	24° 1	18°41	19°10	23°25	1°46	19°14	17° 1	2°42	13° 4	19°D28	20°23	9°46	11° 2	S 17
M18	16 12 59	4° 7'24	7♋40	20°33	20°23	24° 4	2° 0	19°12	17° 4	2°43	13° 3	19°29	20°19	9°53	11° 1	M18
T 19	16 16 56	5° 4'47	21°31	22°22	21°37	24°43	2°13	19° 9	17° 8	2°43	13° 2	19°30	20°16	10° 0	11° 0	T 19
W20	16 20 52	6° 2'09	5♌30	24° 9	22°50	25°22	2°26	19° 7	17°11	2°43	13° 1	19°31	20°13	10° 6	11° 0	W20
T 21	16 24 49	6°59'30	19°37	25°53	24° 3	26° 2	2°39	19° 5	17°15	2°44	13° 0	19°31	20°10	10°13	10°59	T 21
F 22	16 28 45	7°56'50	3♍49	27°35	25°17	26°41	2°52	19° 2	17°18	2°44	12°59	19°R32	20° 7	10°20	10°58	F 22
S 23	16 32 42	8°54'09	18° 4	29°14	26°30	27°20	3° 5	19° 0	17°22	2°45	12°57	19°32	20° 4	10°26	10°57	S 23
S 24	16 36 38	9°51'26	2♎19	0♋51	27°43	27°59	3°18	18°58	17°26	2°46	12°56	19°31	20° 0	10°33	10°56	S 24
M25	16 40 35	10°48'43	16°31	2°25	28°57	28°38	3°31	18°56	17°29	2°46	12°55	19°30	19°57	10°40	10°55	M25
T 26	16 44 32	11°45'59	0♏37	3°56	0♋10	29°17	3°43	18°54	17°33	2°47	12°54	19°29	19°54	10°47	10°54	T 26
W27	16 48 28	12°43'14	14°34	5°24	1°23	29°56	3°56	18°52	17°36	2°47	12°53	19°29	19°51	10°53	10°53	W27
T 28	16 52 25	13°40'28	28°18	6°50	2°36	0♋35	4° 9	18°51	17°40	2°48	12°52	19°28	19°48	11° 0	10°51	T 28
F 29	16 56 21	14°37'42	11♐48	8°13	3°49	1°14	4°21	18°49	17°43	2°49	12°50	19°28	19°45	11° 7	10°50	F 29
S 30	17 0 18	15°34'55	25° 2	9°33	5° 3	1°53	4°34	18°48	17°47	2°50	12°49	19°D28	19°41	11°14	10°49	S 30
S 31	17 4 14	16♊32'08	7♑59	10♋50	6♋16	2♋32	4♉46	18♎46	17♊51	2♍50	12♑48	19♊28	19♊38	11♓20	10♒47	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17n13	19s27	1n28	16n17	0s 7	20n17	0n 9	23n16	0n51	9n52	1s 3	5s20	2n45	22n54	0n 6	11n27	0n57	23s17	0s25	23n 8	23n15	13s15	11s 9	6n37
S 2	17 29	22 37	0 16	17 5	0n 4	20 35	0 12	23 22	0 51	9 57	1 3	5 19	2 45	22 54	0 6	11 27	0 57	23 17	0 25	23 8	23 14	13 13	11 9	6 38
S 3	17 44	24 28	0s56	17 52	0 14	20 52	0 14	23 27	0 51	10 2	1 3	5 17	2 45	22 55	0 6	11 27	0 57	23 17	0 25	23 8	23 14	13 10	11 8	6 38
M 4	18 0	24 58	2 3	18 37	0 25	21 9	0 16	23 32	0 52	10 7	1 3	5 16	2 45	22 55	0 6	11 27	0 57	23 17	0 25	23 8	23 14	13 8	11 8	6 39
T 5	18 15	24 10	3 2	19 21	0 35	21 26	0 19	23 37	0 52	10 12	1 3	5 15	2 45	22 55	0 6	11 27	0 57	23 18	0 25	23 8	23 14	13 6	11 7	6 39
W 6	18 30	22 15	3 52	20 3	0 45	21 41	0 21	23 41	0 53	10 17	1 3	5 14	2 45	22 56	0 6	11 27	0 57	23 18	0 26	23 8	23 13	13 3	11 7	6 39
T 7	18 45	19 22	4 31	20 42	0 55	21 56	0 24	23 45	0 53	10 22	1 3	5 13	2 44	22 56	0 6	11 27	0 57	23 18	0 26	23 8	23 13	13 1	11 6	6 40
F 8	18 59	15 42	4 58	21 20	1 4	22 11	0 26	23 50	0 53	10 27	1 3	5 12	2 44	22 56	0 6	11 27	0 57	23 18	0 26	23 8	23 13	12 58	11 6	6 40
S 9	19 13	11 27	5 12	21 55	1 13	22 25	0 29	23 54	0 54	10 31	1 3	5 11	2 44	22 57	0 6	11 27	0 57	23 18	0 26	23 8	23 13	12 56	11 6	6 41
S 10	19 26	6 45	5 13	22 28	1 21	22 38	0 31	23 57	0 54	10 36	1 3	5 10	2 44	22 57	0 6	11 26	0 57	23 19	0 26	23 8	23 13	12 54	11 5	6 41
M11	19 40	1 45	5 0	22 58	1 29	22 51	0 33	24 1	0 54	10 41	1 3	5 9	2 44	22 57	0 6	11 26	0 57	23 19	0 26	23 8	23 12	12 51	11 5	6 41
T 12	19 53	3n23	4 33	23 26	1 36	23 3	0 36	24 4	0 54	10 45	1 4	5 8	2 44	22 58	0 6	11 26	0 57	23 19	0 26	23 8	23 12	12 49	11 4	6 42
W13	20 5	8 29	3 53	23 51	1 42	23 14	0 38	24 7	0 55	10 50	1 4	5 7	2 43	22 58	0 6	11 26	0 57	23 19	0 26	23 7	23 12	12 46	11 4	6 42
T 14	20 18	13 21	3 1	24 13	1 48	23 25	0 40	24 10	0 55	10 55	1 4	5 6	2 43	22 58	0 6	11 26	0 57	23 19	0 26	23 7	23 12	12 44	11 4	6 43
F 15	20 29	17 43	1 59	24 32	1 53	23 35	0 43	24 13	0 55	10 59	1 4	5 5	2 43	22 59	0 6	11 26	0 57	23 20	0 27	23 7	23 11	12 42	11 4	6 43
S 16	20 41	21 19	0 49	24 49	1 57	23 44	0 45	24 16	0 56	11 4	1 4	5 4	2 43	22 59	0 6	11 26	0 56	23 20	0 27	23 7	23 11	12 39	11 3	6 44
S 17	20 52	23 49	0n25	25 3	2 1	23 52	0 47	24 18	0 56	11 8	1 4	5 3	2 43	22 59	0 6	11 26	0 56	23 20	0 27	23 7	23 11	12 37	11 3	6 44
M18	21 3	24 57	1 39	25 15	2 4	24 0	0 49	24 20	0 56	11 13	1 4	5 2	2 42	23 0	0 6	11 26	0 56	23 20	0 27	23 7	23 11	12 34	11 3	6 44
T 19	21 14	24 34	2 48	25 24	2 6	24 7	0 52	24 22	0 57	11 18	1 4	5 2	2 42	23 0	0 6	11 25	0 56	23 20	0 27	23 7	23 11	12 32	11 3	6 45
W20	21 24	22 39	3 48	25 31	2 7	24 14	0 54	24 24	0 57	11 22	1 4	5 1	2 42	23 1	0 6	11 25	0 56	23 21	0 27	23 7	23 10	12 30	11 2	6 45
T 21	21 34	19 19	4 34	25 36	2 8	24 20	0 56	24 26	0 57	11 26	1 4	5 0	2 42	23 1	0 6	11 25	0 56	23 21	0 27	23 7	23 10	12 27	11 2	6 46
F 22	21 43	14 52	5 4	25 38	2 7	24 25	0 58	24 27	0 57	11 31	1 4	5 0	2 41	23 1	0 6	11 25	0 56	23 21	0 27	23 7	23 10	12 25	11 2	6 46
S 23	21 52	9 35	5 16	25 38	2 6	24 29	1 0	24 28	0 58	11 35	1 4	4 59	2 41	23 2	0 6	11 25	0 56	23 21	0 27	23 7	23 10	12 22	11 2	6 46
S 24	22 1	3 47	5 8	25 37	2 5	24 33	1 2	24 29	0 58	11 39	1 4	4 59	2 41	23 2	0 6	11 24	0 56	23 21	0 27	23 7	23 9	12 20	11 2	6 47
M25	22 9	2s11	4 42	25 33	2 2	24 36	1 4	24 30	0 58	11 44	1 4	4 58	2 41	23 2	0 6	11 24	0 56	23 22	0 28	23 7	23 9	12 17	11 2	6 47
T 26	22 17	8 0	3 59	25 28	1 59	24 38	1 6	24 30	0 59	11 48	1 4	4 57	2 41	23 3	0 6	11 24	0 56	23 22	0 28	23 7	23 9	12 15	11 2	6 47
W27	22 25	13 23	3 1	25 20	1 55	24 39	1 8	24 31	0 59	11 52	1 4	4 57	2 40	23 3	0 6	11 24	0 56	23 22	0 28	23 7	23 9	12 12	11 2	6 48
T 28	22 32	18 0	1 55	25 12	1 51	24 40	1 10	24 31	0 59	11 56	1 4	4 57	2 40	23 3	0 6	11 23	0 56	23 22	0 28	23 7	23 8	12 10	11 2	6 48
F 29	22 39	21 36	0 42	25 2	1 45	24 40	1 12	24 31	0 59	12 1	1 4	4 56	2 40	23 4	0 6	11 23	0 56	23 23	0 28	23 7	23 8	12 7	11 2	6 49
S 30	22 45	23 57	0s31	24 50	1 39	24 39	1 13	24 31	1 0	12 5	1 4	4 56	2 40	23 4	0 6	11 23	0 56	23 23	0 28	23 7	23 8	12 5	11 2	6 49
S 31	22n51	24s58	1s41	24n38	1n33	24n38	1n15	24n30	1n 0	12n 9	1s 5	4s56	2n39	23n 4	0n 6	11n22	0n56	23s23	0s28	23n 7	23n 8	12s 3	11s 2	6n49

Julian Day Number = 2187237.5, Delta T = 11m02s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'53, Lahiri = 13°45'53 Julian Calendar 1 May 1276 == Greg. Calendar 8 May 1276

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

JUNE 1276 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 8 11	17♊29'20	20♑38	12♋ 5	7♋29	3♋11	4♉58	18°R45	17♊54	2♍51	12°R46	19♊28	19♊35	11♓27	10°R46	M 1
T 2	17 12 7	18°26'32	3♒ 2	13°16	8°42	3°50	5°11	18♎44	17°58	2°52	12♑45	19°28	19°32	11°34	10♒44	T 2
W 3	17 16 4	19°23'44	15°13	14°24	9°55	4°29	5°23	18°42	18° 1	2°53	12°44	19°R28	19°29	11°40	10°43	W 3
T 4	17 20 1	20°20'56	27°15	15°30	11° 8	5° 7	5°35	18°41	18° 5	2°54	12°43	19°28	19°25	11°47	10°41	T 4
F 5	17 23 57	21°18'07	9♓10	16°32	12°21	5°46	5°47	18°40	18° 8	2°55	12°41	19°28	19°22	11°54	10°40	F 5
S 6	17 27 54	22°15'18	21° 3	17°31	13°34	6°25	5°59	18°40	18°12	2°56	12°40	19°D28	19°19	12° 1	10°38	S 6
S 7	17 31 50	23°12'30	3♈ 0	18°27	14°47	7° 4	6°11	18°39	18°16	2°57	12°39	19°28	19°16	12° 7	10°36	S 7
M 8	17 35 47	24° 9'41	15° 3	19°19	16° 0	7°43	6°23	18°38	18°19	2°58	12°37	19°28	19°13	12°14	10°34	M 8
T 9	17 39 43	25° 6'52	27°19	20° 8	17°13	8°22	6°34	18°38	18°23	2°59	12°36	19°29	19°10	12°21	10°32	T 9
W10	17 43 40	26° 4'04	9♉49	20°53	18°26	9° 0	6°46	18°37	18°26	3° 0	12°34	19°30	19° 6	12°27	10°30	W10
T 11	17 47 36	27° 1'15	22°38	21°34	19°39	9°39	6°58	18°37	18°30	3° 1	12°33	19°30	19° 3	12°34	10°28	T 11
F 12	17 51 33	27°58'27	5♊47	22°12	20°52	10°18	7° 9	18°37	18°33	3° 2	12°32	19°31	19° 0	12°41	10°26	F 12
S 13	17 55 30	28°55'38	19°17	22°45	22° 5	10°56	7°20	18°36	18°37	3° 3	12°30	19°R31	18°57	12°48	10°24	S 13
S 14	17 59 26	29°52'50	3♋ 6	23°15	23°18	11°35	7°32	18°D36	18°40	3° 4	12°29	19°31	18°54	12°54	10°22	S 14
M15	18 3 23	0♋50'02	17°12	23°40	24°31	12°14	7°43	18°36	18°44	3° 6	12°27	19°30	18°51	13° 1	10°20	M15
T 16	18 7 19	1°47'13	1♌30	24° 1	25°44	12°53	7°54	18°36	18°48	3° 7	12°26	19°29	18°47	13° 8	10°18	T 16
W17	18 11 16	2°44'25	15°56	24°17	26°57	13°31	8° 5	18°37	18°51	3° 8	12°25	19°27	18°44	13°15	10°15	W17
T 18	18 15 12	3°41'36	0♍23	24°29	28°10	14°10	8°16	18°37	18°55	3° 9	12°23	19°26	18°41	13°21	10°13	T 18
F 19	18 19 9	4°38'47	14°49	24°36	29°23	14°48	8°27	18°37	18°58	3°11	12°22	19°24	18°38	13°28	10°11	F 19
S 20	18 23 5	5°35'58	29° 7	24°R38	0♌35	15°27	8°37	18°38	19° 1	3°12	12°20	19°D24	18°35	13°35	10° 8	S 20
S 21	18 27 2	6°33'08	13♎16	24°36	1°48	16° 6	8°48	18°39	19° 5	3°13	12°19	19°24	18°31	13°41	10° 6	S 21
M22	18 30 59	7°30'19	27°14	24°29	3° 1	16°44	8°59	18°39	19° 8	3°15	12°17	19°24	18°28	13°48	10° 3	M22
T 23	18 34 55	8°27'30	10♏59	24°17	4°14	17°23	9° 9	18°40	19°12	3°16	12°16	19°26	18°25	13°55	10° 1	T 23
W24	18 38 52	9°24'40	24°31	24° 0	5°26	18° 1	9°19	18°41	19°15	3°18	12°14	19°27	18°22	14° 2	9°58	W24
T 25	18 42 48	10°21'51	7♐50	23°40	6°39	18°40	9°29	18°42	19°19	3°19	12°13	19°28	18°19	14° 8	9°55	T 25
F 26	18 46 45	11°19'02	20°56	23°15	7°52	19°18	9°40	18°43	19°22	3°21	12°12	19°R28	18°16	14°15	9°53	F 26
S 27	18 50 41	12°16'13	3♑49	22°46	9° 4	19°57	9°50	18°44	19°25	3°22	12°10	19°28	18°12	14°22	9°50	S 27
S 28	18 54 38	13°13'25	16°29	22°14	10°17	20°35	9°59	18°46	19°29	3°24	12° 9	19°26	18° 9	14°29	9°47	S 28
M29	18 58 35	14°10'37	28°57	21°38	11°29	21°14	10° 9	18°47	19°32	3°25	12° 7	19°23	18° 6	14°35	9°45	M29
T 30	19 2 31	15♋ 7'49	11♒13	21♋ 0	12♌42	21♋52	10♉19	18♎49	19♊35	3♍27	12♑ 6	19♊19	18♊ 3	14♓42	9♒42	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n57	24s39	2s44	24n24	1n25	24n36	1n17	24n30	1n 0	12n13	1s 5	4s55	2n39	23n 5	0n 6	11n22	0n56	23s23	0s28	23n 7	23n 7	12s 0	11s 2	6n50
T 2	23 2	23 6	3 39	24 9	1 18	24 33	1 18	24 29	1 0	12 17	1 5	4 55	2 39	23 5	0 6	11 22	0 56	23 23	0 28	23 7	23 7	11 58	11 2	6 50
W 3	23 6	20 30	4 22	23 54	1 9	24 29	1 20	24 28	1 1	12 21	1 5	4 55	2 39	23 5	0 6	11 22	0 56	23 24	0 28	23 7	23 7	11 55	11 2	6 50
T 4	23 11	17 4	4 53	23 37	1 0	24 25	1 21	24 27	1 1	12 25	1 5	4 55	2 38	23 6	0 6	11 21	0 56	23 24	0 29	23 7	23 7	11 53	11 2	6 51
F 5	23 15	12 58	5 12	23 20	0 50	24 20	1 23	24 25	1 1	12 29	1 5	4 55	2 38	23 6	0 6	11 21	0 56	23 24	0 29	23 7	23 6	11 50	11 2	6 51
S 6	23 18	8 24	5 17	23 2	0 40	24 14	1 24	24 24	1 1	12 33	1 5	4 54	2 38	23 6	0 6	11 20	0 56	23 24	0 29	23 7	23 6	11 48	11 2	6 51
S 7	23 22	3 31	5 8	22 44	0 29	24 8	1 26	24 22	1 1	12 37	1 5	4 54	2 38	23 7	0 6	11 20	0 56	23 25	0 29	23 7	23 6	11 45	11 2	6 52
M 8	23 24	1n34	4 46	22 25	0 17	24 0	1 27	24 20	1 2	12 40	1 5	4 54	2 37	23 7	0 6	11 20	0 56	23 25	0 29	23 7	23 6	11 43	11 2	6 52
T 9	23 27	6 40	4 10	22 6	0 5	23 53	1 28	24 18	1 2	12 44	1 5	4 54	2 37	23 7	0 6	11 19	0 56	23 25	0 29	23 7	23 5	11 40	11 3	6 52
W10	23 28	11 37	3 23	21 47	0s 7	23 44	1 29	24 16	1 2	12 48	1 5	4 55	2 37	23 8	0 6	11 19	0 56	23 25	0 29	23 7	23 5	11 38	11 3	6 53
T 11	23 30	16 11	2 23	21 28	0 20	23 35	1 30	24 13	1 2	12 52	1 5	4 55	2 36	23 8	0 6	11 18	0 56	23 25	0 29	23 7	23 5	11 35	11 3	6 53
F 12	23 31	20 7	1 15	21 8	0 34	23 25	1 31	24 10	1 3	12 55	1 5	4 55	2 36	23 8	0 6	11 18	0 56	23 26	0 29	23 7	23 5	11 33	11 3	6 53
S 13	23 32	23 5	0 1	20 49	0 48	23 14	1 32	24 7	1 3	12 59	1 6	4 55	2 36	23 8	0 6	11 18	0 56	23 26	0 29	23 7	23 4	11 30	11 4	6 54
S 14	23 32	24 44	1n14	20 30	1 2	23 3	1 33	24 4	1 3	13 3	1 6	4 55	2 36	23 9	0 6	11 17	0 56	23 26	0 30	23 7	23 4	11 28	11 4	6 54
M15	23 32	24 51	2 27	20 12	1 17	22 51	1 34	24 1	1 3	13 6	1 6	4 55	2 35	23 9	0 6	11 17	0 56	23 26	0 30	23 7	23 4	11 25	11 4	6 54
T 16	23 31	23 21	3 32	19 53	1 31	22 38	1 35	23 58	1 3	13 10	1 6	4 56	2 35	23 9	0 6	11 16	0 56	23 27	0 30	23 7	23 3	11 23	11 4	6 54
W17	23 30	20 19	4 23	19 36	1 46	22 25	1 36	23 54	1 4	13 13	1 6	4 56	2 35	23 10	0 6	11 16	0 56	23 27	0 30	23 7	23 3	11 20	11 5	6 55
T 18	23 29	16 1	4 58	19 19	2 2	22 11	1 36	23 50	1 4	13 16	1 6	4 56	2 35	23 10	0 6	11 15	0 56	23 27	0 30	23 7	23 3	11 17	11 5	6 55
F 19	23 27	10 50	5 15	19 3	2 17	21 56	1 37	23 46	1 4	13 20	1 6	4 57	2 34	23 10	0 6	11 15	0 56	23 27	0 30	23 7	23 3	11 15	11 5	6 55
S 20	23 25	5 6	5 11	18 47	2 32	21 41	1 37	23 42	1 4	13 23	1 6	4 57	2 34	23 11	0 6	11 14	0 56	23 28	0 30	23 6	23 2	11 12	11 6	6 56
S 21	23 22	0s50	4 49	18 33	2 47	21 26	1 38	23 37	1 4	13 26	1 6	4 58	2 34	23 11	0 6	11 14	0 56	23 28	0 30	23 6	23 2	11 10	11 6	6 56
M22	23 19	6 39	4 9	18 19	3 2	21 9	1 38	23 33	1 4	13 30	1 6	4 58	2 34	23 11	0 6	11 13	0 56	23 28	0 30	23 7	23 2	11 7	11 7	6 56
T 23	23 16	12 4	3 16	18 7	3 16	20 52	1 39	23 28	1 5	13 33	1 7	4 59	2 33	23 12	0 6	11 13	0 56	23 28	0 30	23 7	23 2	11 5	11 7	6 56
W24	23 12	16 49	2 13	17 56	3 30	20 35	1 39	23 23	1 5	13 36	1 7	4 59	2 33	23 12	0 6	11 12	0 56	23 28	0 31	23 7	23 1	11 2	11 8	6 56
T 25	23 8	20 39	1 4	17 47	3 44	20 17	1 39	23 18	1 5	13 39	1 7	5 0	2 33	23 12	0 6	11 12	0 56	23 29	0 31	23 7	23 1	11 0	11 8	6 57
F 26	23 3	23 21	0s 8	17 38	3 56	19 58	1 39	23 13	1 5	13 42	1 7	5 1	2 33	23 12	0 6	11 11	0 56	23 29	0 31	23 7	23 1	10 57	11 9	6 57
S 27	22 58	24 47	1 18	17 32	4 8	19 39	1 39	23 7	1 5	13 45	1 7	5 1	2 32	23 13	0 6	11 10	0 56	23 29	0 31	23 7	23 0	10 54	11 9	6 57
S 28	22 52	24 53	2 23	17 26	4 19	19 19	1 39	23 2	1 5	13 48	1 7	5 2	2 32	23 13	0 6	11 10	0 56	23 29	0 31	23 7	23 0	10 52	11 10	6 57
M29	22 47	23 42	3 20	17 22	4 28	18 59	1 39	22 56	1 6	13 51	1 7	5 3	2 32	23 13	0 6	11 9	0 56	23 30	0 31	23 6	23 0	10 49	11 10	6 57
T 30	22n40	21s25	4s 7	17n20	4s36	18n38	1n38	22n50	1n 6	13n54	1s 7	5s 4	2n31	23n13	0n 6	11n 9	0n56	23s30	0s31	23n 6	23n 0	10s47	11s11	6n58

Julian Day Number = 2187268.5, Delta T = 11m01s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°38'57, Lahiri = 13°45'58 Julian Calendar 1 June 1276 == Greg. Calendar 8 June 1276

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

JULY 1276 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 6 28	16♋ 5'03	23♒20	20°R21	13♌54	22♋31	10♉28	18♎50	19♊39	3♍29	12°R 4	19°R15	18♊ 0	14♓49	9°R39	W 1
T 2	19 10 24	17° 2'16	5♓19	19♋40	15° 7	23° 9	10°38	18°52	19°42	3°30	12♂ 3	19♊10	17°57	14°55	9♒36	T 2
F 3	19 14 21	17°59'31	17°13	18°58	16°19	23°47	10°47	18°54	19°45	3°32	12° 1	19° 6	17°53	15° 2	9°33	F 3
S 4	19 18 17	18°56'46	29° 6	18°17	17°32	24°26	10°56	18°55	19°49	3°34	12° 0	19° 3	17°50	15° 9	9°30	S 4
S 5	19 22 14	19°54'02	11♈ 1	17°36	18°44	25° 4	11° 5	18°57	19°52	3°35	11°59	19° 2	17°47	15°16	9°27	S 5
M 6	19 26 10	20°51'19	23° 3	16°57	19°57	25°43	11°14	18°59	19°55	3°37	11°57	19°D 1	17°44	15°22	9°24	M 6
T 7	19 30 7	21°48'37	5♉17	16°20	21° 9	26°21	11°23	19° 2	19°58	3°39	11°56	19° 2	17°41	15°29	9°21	T 7
W 8	19 34 4	22°45'56	17°47	15°47	22°21	26°59	11°32	19° 4	20° 1	3°41	11°54	19° 4	17°37	15°36	9°18	W 8
T 9	19 38 0	23°43'17	0♊37	15°17	23°34	27°38	11°40	19° 6	20° 4	3°42	11°53	19° 5	17°34	15°42	9°15	T 9
F 10	19 41 57	24°40'38	13°51	14°51	24°46	28°16	11°49	19° 9	20° 8	3°44	11°51	19°R 6	17°31	15°49	9°12	F 10
S 11	19 45 53	25°38'00	27°30	14°30	25°58	28°54	11°57	19°11	20°11	3°46	11°50	19° 6	17°28	15°56	9° 9	S 11
S 12	19 49 50	26°35'23	11♋35	14°14	27°10	29°33	12° 5	19°14	20°14	3°48	11°49	19° 4	17°25	16° 3	9° 6	S 12
M13	19 53 46	27°32'48	26° 1	14° 4	28°22	0♌11	12°13	19°16	20°17	3°50	11°47	19° 1	17°22	16° 9	9° 3	M13
T 14	19 57 43	28°30'13	10♌45	14°D 0	29°35	0°49	12°21	19°19	20°20	3°52	11°46	18°56	17°18	16°16	9° 0	T 14
W15	20 1 39	29°27'38	25°37	14° 2	0♍47	1°28	12°29	19°22	20°23	3°53	11°44	18°50	17°15	16°23	8°57	W15
T 16	20 5 36	0♌25'05	10♍30	14°10	1°59	2° 6	12°36	19°25	20°26	3°55	11°43	18°44	17°12	16°30	8°54	T 16
F 17	20 9 33	1°22'32	25°15	14°25	3°11	2°44	12°44	19°28	20°29	3°57	11°42	18°39	17° 9	16°36	8°50	F 17
S 18	20 13 29	2°20'01	9♎46	14°46	4°23	3°23	12°51	19°31	20°31	3°59	11°40	18°35	17° 6	16°43	8°47	S 18
S 19	20 17 26	3°17'29	24° 0	15°14	5°35	4° 1	12°58	19°34	20°34	4° 1	11°39	18°33	17° 3	16°50	8°44	S 19
M20	20 21 22	4°14'59	7♏54	15°49	6°47	4°39	13° 5	19°38	20°37	4° 3	11°38	18°D33	16°59	16°56	8°41	M20
T 21	20 25 19	5°12'30	21°28	16°30	7°59	5°18	13°12	19°41	20°40	4° 5	11°36	18°33	16°56	17° 3	8°38	T 21
W22	20 29 15	6°10'01	4♐44	17°18	9°10	5°56	13°19	19°45	20°43	4° 7	11°35	18°35	16°53	17°10	8°35	W22
T 23	20 33 12	7° 7'33	17°43	18°12	10°22	6°34	13°25	19°48	20°45	4° 9	11°34	18°R35	16°50	17°17	8°31	T 23
F 24	20 37 8	8° 5'07	0♑29	19°13	11°34	7°12	13°31	19°52	20°48	4°11	11°33	18°35	16°47	17°23	8°28	F 24
S 25	20 41 5	9° 2'41	13° 3	20°19	12°46	7°51	13°38	19°56	20°51	4°13	11°31	18°32	16°43	17°30	8°25	S 25
S 26	20 45 2	10° 0'17	25°27	21°31	13°57	8°29	13°44	19°59	20°53	4°15	11°30	18°27	16°40	17°37	8°22	S 26
M27	20 48 58	10°57'53	7♒42	22°49	15° 9	9° 7	13°50	20° 3	20°56	4°17	11°29	18°20	16°37	17°44	8°19	M27
T 28	20 52 55	11°55'31	19°49	24°13	16°21	9°45	13°55	20° 7	20°59	4°19	11°28	18°11	16°34	17°50	8°15	T 28
W29	20 56 51	12°53'10	1♓50	25°41	17°32	10°23	14° 1	20°11	21° 1	4°22	11°26	18° 0	16°31	17°57	8°12	W29
T 30	21 0 48	13°50'51	13°45	27°14	18°44	11° 2	14° 6	20°15	21° 4	4°24	11°25	17°50	16°28	18° 4	8° 9	T 30
F 31	21 4 44	14♌48'33	25♓38	28♋52	19♍55	11♌40	14♉11	20♎20	21♊ 6	4♍26	11♂24	17♊40	16♊24	18♓10	8♒ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n34	18s13	4s41	17n19	4s43	18n17	1n38	22n44	1n 6	13n57	1s 8	5s 5	2n31	23n14	0n 6	11n 8	0n56	23s30	0s31	23n 6	22n59	10s44	11s11	6n58
T 2	22 27	14 18	5 3	17 20	4 48	17 55	1 38	22 37	1 6	14 0	1 8	5 5	2 31	23 14	0 6	11 7	0 56	23 30	0 31	23 5	22 59	10 42	11 12	6 58
F 3	22 19	9 51	5 12	17 23	4 51	17 33	1 37	22 31	1 6	14 3	1 8	5 6	2 31	23 14	0 6	11 7	0 56	23 31	0 31	23 5	22 59	10 39	11 12	6 58
S 4	22 11	5 4	5 8	17 26	4 53	17 10	1 37	22 24	1 6	14 5	1 8	5 7	2 30	23 15	0 6	11 6	0 56	23 31	0 32	23 5	22 58	10 36	11 13	6 58
S 5	22 3	0 4	4 50	17 32	4 53	16 47	1 36	22 18	1 6	14 8	1 8	5 8	2 30	23 15	0 6	11 6	0 56	23 31	0 32	23 5	22 58	10 34	11 14	6 58
M 6	21 55	4n59	4 19	17 38	4 51	16 24	1 35	22 11	1 7	14 11	1 8	5 9	2 30	23 15	0 6	11 5	0 56	23 31	0 32	23 5	22 58	10 31	11 14	6 59
T 7	21 46	9 56	3 36	17 46	4 48	16 0	1 35	22 3	1 7	14 13	1 8	5 10	2 30	23 15	0 6	11 4	0 56	23 31	0 32	23 5	22 58	10 29	11 15	6 59
W 8	21 36	14 36	2 42	17 55	4 43	15 36	1 34	21 56	1 7	14 16	1 8	5 11	2 29	23 16	0 6	11 4	0 56	23 32	0 32	23 5	22 57	10 26	11 16	6 59
T 9	21 26	18 45	1 39	18 5	4 36	15 11	1 33	21 49	1 7	14 18	1 9	5 13	2 29	23 16	0 6	11 3	0 56	23 32	0 32	23 5	22 57	10 23	11 16	6 59
F 10	21 16	22 5	0 29	18 16	4 28	14 46	1 32	21 41	1 7	14 21	1 9	5 14	2 29	23 16	0 6	11 2	0 56	23 32	0 32	23 5	22 57	10 21	11 17	6 59
S 11	21 6	24 16	0n46	18 28	4 18	14 20	1 31	21 33	1 7	14 23	1 9	5 15	2 29	23 16	0 6	11 2	0 56	23 32	0 32	23 5	22 56	10 18	11 18	6 59
S 12	20 55	25 0	1 59	18 40	4 7	13 54	1 30	21 25	1 7	14 26	1 9	5 16	2 28	23 17	0 6	11 1	0 56	23 33	0 32	23 5	22 56	10 16	11 18	6 59
M13	20 44	24 5	3 7	18 53	3 55	13 28	1 28	21 17	1 7	14 28	1 9	5 17	2 28	23 17	0 6	11 0	0 56	23 33	0 32	23 5	22 56	10 13	11 19	6 59
T 14	20 33	21 31	4 3	19 6	3 43	13 1	1 27	21 9	1 8	14 30	1 9	5 19	2 28	23 17	0 6	11 0	0 56	23 33	0 32	23 4	22 56	10 10	11 20	6 59
W15	20 21	17 29	4 44	19 20	3 29	12 34	1 26	21 1	1 8	14 32	1 9	5 20	2 28	23 17	0 6	10 59	0 56	23 33	0 33	23 4	22 55	10 8	11 20	6 59
T 16	20 8	12 22	5 6	19 33	3 14	12 7	1 24	20 52	1 8	14 35	1 10	5 21	2 27	23 17	0 6	10 58	0 55	23 33	0 33	23 3	22 55	10 5	11 21	6 59
F 17	19 56	6 35	5 7	19 47	2 59	11 40	1 23	20 44	1 8	14 37	1 10	5 23	2 27	23 18	0 6	10 57	0 55	23 34	0 33	23 3	22 55	10 2	11 22	7 0
S 18	19 43	0 32	4 48	20 0	2 44	11 12	1 21	20 35	1 8	14 39	1 10	5 24	2 27	23 18	0 6	10 57	0 55	23 34	0 33	23 2	22 54	10 0	11 23	7 0
S 19	19 30	5s26	4 12	20 13	2 28	10 44	1 19	20 26	1 8	14 41	1 10	5 26	2 27	23 18	0 6	10 56	0 55	23 34	0 33	23 2	22 54	9 57	11 24	7 0
M20	19 16	11 1	3 22	20 25	2 12	10 15	1 17	20 17	1 8	14 43	1 10	5 27	2 26	23 18	0 6	10 55	0 55	23 34	0 33	23 2	22 54	9 55	11 24	7 0
T 21	19 2	15 56	2 21	20 36	1 56	9 47	1 15	20 7	1 8	14 45	1 10	5 29	2 26	23 19	0 6	10 55	0 55	23 34	0 33	23 2	22 53	9 52	11 25	7 0
W22	18 48	19 57	1 14	20 46	1 39	9 18	1 14	19 58	1 8	14 47	1 10	5 30	2 26	23 19	0 6	10 54	0 55	23 35	0 33	23 2	22 53	9 49	11 26	7 0
T 23	18 34	22 53	0 5	20 55	1 23	8 49	1 11	19 49	1 8	14 48	1 11	5 32	2 26	23 19	0 6	10 53	0 55	23 35	0 33	23 2	22 53	9 47	11 27	7 0
F 24	18 19	24 36	1s 4	21 2	1 8	8 19	1 9	19 39	1 9	14 50	1 11	5 33	2 25	23 19	0 6	10 52	0 55	23 35	0 33	23 2	22 52	9 44	11 28	7 0
S 25	18 4	25 0	2 8	21 8	0 52	7 50	1 7	19 29	1 9	14 52	1 11	5 35	2 25	23 19	0 6	10 52	0 55	23 35	0 33	23 2	22 52	9 41	11 28	7 0
S 26	17 49	24 9	3 5	21 12	0 37	7 20	1 5	19 19	1 9	14 53	1 11	5 37	2 25	23 20	0 6	10 51	0 55	23 35	0 33	23 2	22 52	9 39	11 29	6 59
M27	17 33	22 9	3 52	21 14	0 22	6 50	1 3	19 9	1 9	14 55	1 11	5 38	2 25	23 20	0 6	10 50	0 55	23 36	0 34	23 1	22 51	9 36	11 30	6 59
T 28	17 17	19 10	4 28	21 13	0 8	6 20	1 0	18 59	1 9	14 57	1 11	5 40	2 24	23 20	0 6	10 49	0 55	23 36	0 34	23 0	22 51	9 33	11 31	6 59
W29	17 1	15 25	4 53	21 10	0n 5	5 50	0 58	18 49	1 9	14 58	1 12	5 42	2 24	23 20	0 6	10 49	0 55	23 36	0 34	22 59	22 51	9 31	11 32	6 59
T 30	16 44	11 5	5 4	21 5	0 18	5 19	0 55	18 38	1 9	15 0	1 12	5 43	2 24	23 20	0 6	10 48	0 55	23 36	0 34	22 58	22 51	9 28	11 33	6 59
F 31	16n27	6s21	5s 1	20n57	0n30	4n49	0n53	18n28	1n 9	15n 1	1s12	5s45	2n24	23n20	0n 6	10n47	0n55	23s36	0s34	22n58	22n50	9s25	11s34	6n59

Julian Day Number = 2187298.5, Delta T = 11m01s
Ecliptic obliquity = 23°32'01, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'01, Lahiri = 13°46'02 Julian Calendar 1 July 1276 == Greg. Calendar 8 July 1276

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

AUGUST 1276 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 8 41	15♌46'17	7♈29	0♌33	21♍ 7	12♌18	14♉17	20♎24	21♊ 9	4♍28	11°R23	17°R32	16♊21	18♓17	8°R 3	S 1
S 2	21 12 37	16°44'02	19°23	2°18	22°18	12°56	14°21	20°28	21°11	4°30	11♑22	17♊26	16°18	18°24	8♒ 0	S 2
M 3	21 16 34	17°41'49	1♉23	4° 6	23°29	13°34	14°26	20°33	21°13	4°32	11°21	17°23	16°15	18°31	7°56	M 3
T 4	21 20 31	18°39'38	13°34	5°57	24°40	14°13	14°31	20°37	21°16	4°34	11°20	17°D21	16°12	18°37	7°53	T 4
W 5	21 24 27	19°37'28	26° 0	7°50	25°52	14°51	14°35	20°42	21°18	4°37	11°18	17°21	16° 8	18°44	7°50	W 5
T 6	21 28 24	20°35'21	8♊47	9°45	27° 3	15°29	14°39	20°46	21°20	4°39	11°17	17°22	16° 5	18°51	7°47	T 6
F 7	21 32 20	21°33'15	21°58	11°41	28°14	16° 7	14°43	20°51	21°22	4°41	11°16	17°R22	16° 2	18°57	7°44	F 7
S 8	21 36 17	22°31'11	5♋37	13°39	29°25	16°45	14°47	20°56	21°24	4°43	11°15	17°21	15°59	19° 4	7°41	S 8
S 9	21 40 13	23°29'09	19°45	15°37	0♎36	17°24	14°51	21° 1	21°26	4°45	11°14	17°17	15°56	19°11	7°38	S 9
M10	21 44 10	24°27'09	4♌20	17°35	1°47	18° 2	14°54	21° 6	21°29	4°47	11°13	17°11	15°53	19°18	7°35	M10
T 11	21 48 6	25°25'10	19°17	19°34	2°58	18°40	14°57	21°10	21°31	4°50	11°12	17° 3	15°49	19°24	7°32	T 11
W12	21 52 3	26°23'13	4♍28	21°32	4° 9	19°18	15° 1	21°16	21°33	4°52	11°11	16°53	15°46	19°31	7°29	W12
T 13	21 56 0	27°21'18	19°41	23°30	5°20	19°56	15° 3	21°21	21°34	4°54	11°11	16°43	15°43	19°38	7°26	T 13
F 14	21 59 56	28°19'24	4♎47	25°28	6°30	20°35	15° 6	21°26	21°36	4°56	11°10	16°34	15°40	19°45	7°23	F 14
S 15	22 3 53	29°17'32	19°35	27°25	7°41	21°13	15° 9	21°31	21°38	4°58	11° 9	16°27	15°37	19°51	7°20	S 15
S 16	22 7 49	0♍15'41	4♏ 1	29°21	8°52	21°51	15°11	21°36	21°40	5° 1	11° 8	16°22	15°34	19°58	7°17	S 16
M17	22 11 46	1°13'52	18° 0	1♍17	10° 2	22°29	15°13	21°42	21°42	5° 3	11° 7	16°20	15°30	20° 5	7°15	M17
T 18	22 15 42	2°12'04	1♐34	3°11	11°13	23° 7	15°15	21°47	21°43	5° 5	11° 6	16°D19	15°27	20°11	7°12	T 18
W19	22 19 39	3°10'17	14°44	5° 5	12°23	23°46	15°17	21°53	21°45	5° 7	11° 6	16°R19	15°24	20°18	7° 9	W19
T 20	22 23 35	4° 8'33	27°34	6°57	13°34	24°24	15°18	21°58	21°47	5°10	11° 5	16°19	15°21	20°25	7° 6	T 20
F 21	22 27 32	5° 6'50	10♑ 8	8°48	14°44	25° 2	15°20	22° 4	21°48	5°12	11° 4	16°17	15°18	20°32	7° 4	F 21
S 22	22 31 29	6° 5'08	22°28	10°39	15°54	25°40	15°21	22° 9	21°50	5°14	11° 3	16°12	15°14	20°38	7° 1	S 22
S 23	22 35 25	7° 3'28	4♒40	12°28	17° 5	26°18	15°22	22°15	21°51	5°16	11° 3	16° 5	15°11	20°45	6°58	S 23
M24	22 39 22	8° 1'50	16°44	14°16	18°15	26°56	15°23	22°21	21°53	5°19	11° 2	15°55	15° 8	20°52	6°56	M24
T 25	22 43 18	9° 0'13	28°43	16° 2	19°25	27°35	15°23	22°27	21°54	5°21	11° 1	15°42	15° 5	20°59	6°53	T 25
W26	22 47 15	9°58'39	10♓38	17°48	20°35	28°13	15°23	22°33	21°55	5°23	11° 1	15°28	15° 2	21° 5	6°51	W26
T 27	22 51 11	10°57'06	22°31	19°33	21°44	28°51	15°R24	22°38	21°57	5°25	11° 0	15°14	14°59	21°12	6°48	T 27
F 28	22 55 8	11°55'35	4♈24	21°16	22°54	29°29	15°24	22°44	21°58	5°27	11° 0	15° 1	14°55	21°19	6°46	F 28
S 29	22 59 4	12°54'06	16°16	22°59	24° 4	0♍ 7	15°23	22°50	21°59	5°30	10°59	14°49	14°52	21°25	6°44	S 29
S 30	23 3 1	13°52'40	28°12	24°40	25°14	0°46	15°23	22°57	22° 0	5°32	10°59	14°40	14°49	21°32	6°41	S 30
M31	23 6 57	14♍51'15	10♉13	26♍20	26♎23	1♍24	15♉22	23♎ 3	22♊ 1	5♍34	10♑58	14♊34	14♊46	21♓39	6♒39	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n10	1s24	4s46	20n47	0n41	4n18	0n50	18n17	1n 9	15n 2	1s12	5s47	2n24	23n21	0n 6	10n46	0n55	23s37	0s34	22n57	22n50	9s23	11s34	6n59
S 2	15 53	3n37	4 19	20 34	0 51	3 47	0 47	18 6	1 9	15 4	1 12	5 49	2 23	23 21	0 7	10 45	0 55	23 37	0 34	22 56	22 50	9 20	11 35	6 59
M 3	15 35	8 34	3 40	20 18	1 1	3 17	0 45	17 55	1 9	15 5	1 12	5 51	2 23	23 21	0 7	10 45	0 55	23 37	0 34	22 56	22 49	9 17	11 36	6 59
T 4	15 18	13 16	2 50	19 59	1 10	2 46	0 42	17 44	1 9	15 6	1 13	5 53	2 23	23 21	0 7	10 44	0 55	23 37	0 34	22 56	22 49	9 15	11 37	6 59
W 5	14 59	17 32	1 51	19 37	1 17	2 15	0 39	17 33	1 9	15 7	1 13	5 54	2 23	23 21	0 7	10 43	0 55	23 37	0 34	22 56	22 49	9 12	11 38	6 59
T 6	14 41	21 6	0 46	19 14	1 24	1 44	0 36	17 22	1 9	15 8	1 13	5 56	2 23	23 22	0 7	10 42	0 55	23 37	0 34	22 56	22 48	9 9	11 39	6 58
F 7	14 23	23 42	0n24	18 47	1 30	1 12	0 33	17 10	1 9	15 9	1 13	5 58	2 22	23 22	0 7	10 42	0 55	23 38	0 35	22 56	22 48	9 6	11 40	6 58
S 8	14 4	25 0	1 36	18 18	1 35	0 41	0 30	16 59	1 9	15 10	1 13	6 0	2 22	23 22	0 7	10 41	0 55	23 38	0 35	22 56	22 48	9 4	11 41	6 58
S 9	13 45	24 46	2 43	17 47	1 39	0 10	0 26	16 47	1 9	15 11	1 13	6 2	2 22	23 22	0 7	10 40	0 55	23 38	0 35	22 55	22 47	9 1	11 42	6 58
M10	13 25	22 51	3 42	17 14	1 42	0s21	0 23	16 35	1 10	15 12	1 14	6 4	2 22	23 22	0 7	10 39	0 55	23 38	0 35	22 55	22 47	8 58	11 43	6 58
T 11	13 6	19 20	4 28	16 40	1 44	0 53	0 20	16 23	1 10	15 13	1 14	6 6	2 22	23 22	0 7	10 38	0 55	23 38	0 35	22 54	22 47	8 56	11 43	6 58
W12	12 46	14 29	4 55	16 3	1 46	1 24	0 17	16 12	1 10	15 14	1 14	6 8	2 21	23 22	0 7	10 37	0 55	23 38	0 35	22 53	22 46	8 53	11 44	6 57
T 13	12 26	8 43	5 1	15 25	1 47	1 55	0 13	15 59	1 10	15 14	1 14	6 11	2 21	23 23	0 7	10 37	0 55	23 39	0 35	22 52	22 46	8 50	11 45	6 57
F 14	12 6	2 29	4 47	14 45	1 47	2 27	0 10	15 47	1 10	15 15	1 14	6 13	2 21	23 23	0 7	10 36	0 55	23 39	0 35	22 51	22 46	8 47	11 46	6 57
S 15	11 46	3s47	4 13	14 5	1 46	2 58	0 6	15 35	1 10	15 15	1 14	6 15	2 21	23 23	0 7	10 35	0 55	23 39	0 35	22 50	22 45	8 45	11 47	6 57
S 16	11 25	9 42	3 24	13 23	1 45	3 29	0 3	15 23	1 10	15 16	1 15	6 17	2 21	23 23	0 7	10 34	0 55	23 39	0 35	22 50	22 45	8 42	11 48	6 57
M17	11 5	14 57	2 24	12 40	1 43	4 0	0s 1	15 10	1 10	15 16	1 15	6 19	2 20	23 23	0 7	10 33	0 56	23 39	0 35	22 50	22 45	8 39	11 49	6 56
T 18	10 44	19 18	1 17	11 57	1 41	4 31	0 4	14 58	1 10	15 17	1 15	6 21	2 20	23 23	0 7	10 33	0 56	23 39	0 35	22 50	22 44	8 37	11 50	6 56
W19	10 23	22 31	0 8	11 13	1 38	5 2	0 8	14 45	1 10	15 17	1 15	6 24	2 20	23 23	0 7	10 32	0 56	23 39	0 35	22 50	22 44	8 34	11 51	6 56
T 20	10 2	24 30	0s59	10 28	1 35	5 33	0 12	14 32	1 10	15 17	1 15	6 26	2 20	23 23	0 7	10 31	0 56	23 40	0 36	22 50	22 43	8 31	11 52	6 56
F 21	9 40	25 11	2 2	9 43	1 32	6 4	0 15	14 19	1 10	15 18	1 15	6 28	2 20	23 24	0 7	10 30	0 56	23 40	0 36	22 49	22 43	8 28	11 52	6 55
S 22	9 19	24 35	2 59	8 57	1 27	6 34	0 19	14 6	1 10	15 18	1 16	6 30	2 20	23 24	0 7	10 29	0 56	23 40	0 36	22 49	22 43	8 26	11 53	6 55
S 23	8 57	22 49	3 46	8 11	1 23	7 5	0 23	13 53	1 10	15 18	1 16	6 33	2 19	23 24	0 7	10 29	0 56	23 40	0 36	22 48	22 42	8 23	11 54	6 55
M24	8 35	20 3	4 22	7 25	1 18	7 35	0 27	13 40	1 10	15 18	1 16	6 35	2 19	23 24	0 7	10 28	0 56	23 40	0 36	22 47	22 42	8 20	11 55	6 55
T 25	8 14	16 26	4 47	6 39	1 13	8 6	0 30	13 27	1 10	15 18	1 16	6 37	2 19	23 24	0 7	10 27	0 56	23 40	0 36	22 46	22 42	8 17	11 56	6 54
W26	7 51	12 12	4 58	5 53	1 8	8 36	0 34	13 14	1 10	15 18	1 16	6 39	2 19	23 24	0 7	10 26	0 56	23 40	0 36	22 44	22 41	8 15	11 57	6 54
T 27	7 29	7 31	4 57	5 6	1 2	9 6	0 38	13 1	1 10	15 18	1 16	6 42	2 19	23 24	0 7	10 25	0 56	23 41	0 36	22 43	22 41	8 12	11 58	6 54
F 28	7 7	2 34	4 43	4 20	0 56	9 36	0 42	12 47	1 10	15 18	1 17	6 44	2 19	23 24	0 7	10 25	0 56	23 41	0 36	22 41	22 41	8 9	11 59	6 53
S 29	6 45	2n29	4 16	3 34	0 50	10 5	0 46	12 34	1 10	15 17	1 17	6 46	2 18	23 24	0 7	10 24	0 56	23 41	0 36	22 40	22 40	8 6	12 0	6 53
S 30	6 22	7 29	3 38	2 48	0 44	10 34	0 50	12 20	1 10	15 17	1 17	6 49	2 18	23 24	0 7	10 23	0 56	23 41	0 36	22 39	22 40	8 4	12 0	6 53
M31	5n59	12n15	2s50	2n 2	0n37	11s 4	0s54	12n 6	1n10	15n17	1s17	6s51	2n18	23n24	0n 7	10n22	0n56	23s41	0s36	22n38	22n40	8s 1	12s 1	6n53

Julian Day Number = 2187329.5, Delta T = 11m01s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'05, Lahiri = 13°46'06 Julian Calendar 1 Aug. 1276 == Greg. Calendar 8 Aug. 1276

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

SEPTEMBER 1276 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 10 54	15♍49'53	22♉24	28♍ 0	27♎33	2♍ 2	15°R21	23♎ 9	22♊ 2	5♍36	10°R58	14°R31	14♊43	21♓46	6°R37	T 1
W 2	23 14 51	16°48'33	4♊48	29°38	28°42	2°40	15♉20	23°15	22° 3	5°38	10♑57	14♊30	14°40	21°52	6♒35	W 2
T 3	23 18 47	17°47'15	17°31	1♎15	29°51	3°18	15°19	23°21	22° 4	5°41	10°57	14°30	14°36	21°59	6°33	T 3
F 4	23 22 44	18°46'00	0♋36	2°52	1♏ 1	3°57	15°18	23°28	22° 5	5°43	10°57	14°30	14°33	22° 6	6°30	F 4
S 5	23 26 40	19°44'47	14° 8	4°27	2°10	4°35	15°16	23°34	22° 6	5°45	10°56	14°28	14°30	22°12	6°28	S 5
S 6	23 30 37	20°43'36	28° 9	6° 2	3°19	5°13	15°14	23°40	22° 7	5°47	10°56	14°24	14°27	22°19	6°26	S 6
M 7	23 34 33	21°42'28	12♌39	7°35	4°28	5°51	15°12	23°47	22° 7	5°49	10°56	14°18	14°24	22°26	6°25	M 7
T 8	23 38 30	22°41'21	27°34	9° 8	5°37	6°30	15°10	23°53	22° 8	5°52	10°56	14° 9	14°20	22°33	6°23	T 8
W 9	23 42 26	23°40'17	12♍47	10°40	6°45	7° 8	15° 7	24° 0	22° 9	5°54	10°55	13°58	14°17	22°39	6°21	W 9
T 10	23 46 23	24°39'15	28° 7	12°10	7°54	7°46	15° 5	24° 6	22° 9	5°56	10°55	13°47	14°14	22°46	6°19	T 10
F 11	23 50 20	25°38'15	13♎23	13°40	9° 3	8°24	15° 2	24°13	22°10	5°58	10°55	13°37	14°11	22°53	6°17	F 11
S 12	23 54 16	26°37'17	28°25	15° 9	10°11	9° 3	14°59	24°19	22°10	6° 0	10°55	13°29	14° 8	23° 0	6°16	S 12
S 13	23 58 13	27°36'21	13♏ 2	16°37	11°19	9°41	14°56	24°26	22°11	6° 2	10°55	13°23	14° 5	23° 6	6°14	S 13
M14	0 2 9	28°35'27	27°12	18° 4	12°28	10°19	14°52	24°33	22°11	6° 4	10°55	13°20	14° 1	23°13	6°13	M14
T 15	0 6 6	29°34'34	10♐53	19°31	13°36	10°57	14°48	24°40	22°11	6° 6	10°55	13°D20	13°58	23°20	6°11	T 15
W16	0 10 2	0♎33'44	24° 7	20°56	14°44	11°36	14°45	24°46	22°12	6° 8	10°D55	13°R20	13°55	23°26	6°10	W16
T 17	0 13 59	1°32'55	6♑57	22°20	15°52	12°14	14°41	24°53	22°12	6°11	10°55	13°20	13°52	23°33	6° 8	T 17
F 18	0 17 55	2°32'08	19°27	23°43	17° 0	12°52	14°37	25° 0	22°12	6°13	10°55	13°18	13°49	23°40	6° 7	F 18
S 19	0 21 52	3°31'23	1♒42	25° 5	18° 7	13°30	14°32	25° 7	22°12	6°15	10°55	13°15	13°45	23°47	6° 6	S 19
S 20	0 25 49	4°30'39	13°47	26°27	19°15	14° 9	14°28	25°14	22°R12	6°17	10°55	13° 9	13°42	23°53	6° 5	S 20
M21	0 29 45	5°29'58	25°45	27°46	20°22	14°47	14°23	25°20	22°12	6°19	10°55	13° 0	13°39	24° 0	6° 4	M21
T 22	0 33 42	6°29'18	7♓39	29° 5	21°29	15°25	14°18	25°27	22°12	6°21	10°55	12°49	13°36	24° 7	6° 2	T 22
W23	0 37 38	7°28'40	19°32	0♏23	22°36	16° 3	14°13	25°34	22°12	6°23	10°56	12°37	13°33	24°13	6° 1	W23
T 24	0 41 35	8°28'05	1♈24	1°39	23°43	16°42	14° 8	25°41	22°12	6°25	10°56	12°24	13°30	24°20	6° 1	T 24
F 25	0 45 31	9°27'31	13°19	2°54	24°50	17°20	14° 2	25°48	22°11	6°26	10°56	12°12	13°26	24°27	6° 0	F 25
S 26	0 49 28	10°26'59	25°17	4° 7	25°56	17°58	13°57	25°55	22°11	6°28	10°56	12° 2	13°23	24°34	5°59	S 26
S 27	0 53 24	11°26'30	7♉19	5°19	27° 3	18°37	13°51	26° 2	22°11	6°30	10°57	11°54	13°20	24°40	5°58	S 27
M28	0 57 21	12°26'02	19°28	6°28	28° 9	19°15	13°45	26° 9	22°10	6°32	10°57	11°49	13°17	24°47	5°58	M28
T 29	1 1 18	13°25'37	1♊45	7°36	29°15	19°53	13°39	26°16	22°10	6°34	10°57	11°47	13°14	24°54	5°57	T 29
W30	1 5 14	14♎25'15	14♊15	8♏42	0♐21	20♍32	13♉33	26♎23	22♊ 9	6♍36	10♑58	11°D46	13♊11	25♓ 0	5♒56	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n37	16n36	1s54	1n16	0n31	11s33	0s58	11n53	1n10	15n16	1s17	6s54	2n18	23n25	0n 7	10n21	0n56	23s41	0s36	22n38	22n39	7s58	12s 2	6n52
W 2	5 14	20 21	0 51	0 31	0 24	12 1	1 2	11 39	1 10	15 16	1 17	6 56	2 18	23 25	0 7	10 21	0 56	23 41	0 37	22 38	22 39	7 55	12 3	6 52
T 3	4 51	23 13	0n16	0s15	0 17	12 30	1 6	11 25	1 10	15 15	1 18	6 59	2 18	23 25	0 7	10 20	0 56	23 41	0 37	22 38	22 39	7 53	12 4	6 52
F 4	4 28	24 56	1 24	1 0	0 10	12 58	1 10	11 11	1 10	15 15	1 18	7 1	2 18	23 25	0 7	10 19	0 56	23 41	0 37	22 38	22 38	7 50	12 5	6 51
S 5	4 5	25 16	2 30	1 44	0 3	13 26	1 14	10 57	1 10	15 14	1 18	7 3	2 17	23 25	0 7	10 18	0 56	23 42	0 37	22 38	22 38	7 47	12 6	6 51
S 6	3 41	24 1	3 29	2 28	0s 4	13 53	1 18	10 43	1 9	15 14	1 18	7 6	2 17	23 25	0 7	10 17	0 56	23 42	0 37	22 37	22 37	7 44	12 6	6 50
M 7	3 18	21 10	4 16	3 12	0 12	14 21	1 22	10 29	1 9	15 13	1 18	7 8	2 17	23 25	0 7	10 17	0 56	23 42	0 37	22 36	22 37	7 41	12 7	6 50
T 8	2 55	16 52	4 48	3 55	0 19	14 48	1 26	10 14	1 9	15 12	1 18	7 11	2 17	23 25	0 7	10 16	0 56	23 42	0 37	22 35	22 37	7 39	12 8	6 50
W 9	2 31	11 24	5 0	4 38	0 26	15 15	1 30	10 0	1 9	15 11	1 18	7 13	2 17	23 25	0 7	10 15	0 56	23 42	0 37	22 34	22 36	7 36	12 9	6 49
T 10	2 8	5 12	4 51	5 21	0 34	15 41	1 34	9 46	1 9	15 10	1 19	7 16	2 17	23 25	0 7	10 14	0 56	23 42	0 37	22 33	22 36	7 33	12 10	6 49
F 11	1 44	1s18	4 21	6 3	0 41	16 7	1 38	9 31	1 9	15 9	1 19	7 18	2 17	23 25	0 7	10 13	0 56	23 42	0 37	22 31	22 36	7 30	12 10	6 49
S 12	1 21	7 37	3 34	6 44	0 48	16 33	1 42	9 17	1 9	15 8	1 19	7 21	2 17	23 25	0 7	10 13	0 56	23 42	0 37	22 30	22 35	7 27	12 11	6 48
S 13	0 57	13 23	2 33	7 25	0 56	16 58	1 46	9 2	1 9	15 7	1 19	7 23	2 17	23 25	0 7	10 12	0 56	23 42	0 37	22 30	22 35	7 25	12 12	6 48
M14	0 34	18 15	1 24	8 5	1 3	17 23	1 50	8 48	1 9	15 6	1 19	7 26	2 16	23 25	0 7	10 11	0 56	23 42	0 37	22 29	22 34	7 22	12 13	6 47
T 15	0 10	21 57	0 13	8 45	1 10	17 48	1 54	8 33	1 9	15 5	1 19	7 29	2 16	23 25	0 7	10 10	0 56	23 42	0 38	22 29	22 34	7 19	12 13	6 47
W16	0s13	24 21	0s57	9 24	1 18	18 12	1 58	8 18	1 9	15 4	1 19	7 31	2 16	23 25	0 7	10 10	0 56	23 43	0 38	22 29	22 34	7 16	12 14	6 47
T 17	0 37	25 23	2 2	10 2	1 25	18 36	2 2	8 4	1 9	15 2	1 19	7 34	2 16	23 25	0 7	10 9	0 56	23 43	0 38	22 29	22 33	7 13	12 15	6 46
F 18	1 1	25 4	2 59	10 40	1 32	18 59	2 6	7 49	1 9	15 1	1 20	7 36	2 16	23 25	0 7	10 8	0 56	23 43	0 38	22 29	22 33	7 11	12 16	6 46
S 19	1 24	23 33	3 47	11 17	1 39	19 22	2 10	7 34	1 9	15 0	1 20	7 39	2 16	23 25	0 7	10 7	0 56	23 43	0 38	22 29	22 33	7 8	12 16	6 45
S 20	1 48	20 58	4 24	11 53	1 46	19 45	2 13	7 19	1 9	14 58	1 20	7 41	2 16	23 25	0 7	10 7	0 56	23 43	0 38	22 28	22 32	7 5	12 17	6 45
M21	2 12	17 30	4 49	12 28	1 52	20 7	2 17	7 4	1 9	14 57	1 20	7 44	2 16	23 25	0 7	10 6	0 56	23 43	0 38	22 27	22 32	7 2	12 18	6 44
T 22	2 35	13 23	5 1	13 3	1 59	20 28	2 21	6 49	1 8	14 55	1 20	7 47	2 16	23 25	0 7	10 5	0 56	23 43	0 38	22 25	22 31	6 59	12 18	6 44
W23	2 59	8 45	5 0	13 36	2 5	20 49	2 24	6 34	1 8	14 54	1 20	7 49	2 16	23 25	0 7	10 5	0 56	23 43	0 38	22 24	22 31	6 56	12 19	6 44
T 24	3 22	3 48	4 46	14 9	2 12	21 10	2 28	6 19	1 8	14 52	1 20	7 52	2 16	23 25	0 7	10 4	0 56	23 43	0 38	22 22	22 31	6 54	12 20	6 43
F 25	3 46	1n18	4 19	14 41	2 18	21 30	2 32	6 4	1 8	14 50	1 20	7 54	2 15	23 25	0 7	10 3	0 56	23 43	0 38	22 21	22 30	6 51	12 20	6 43
S 26	4 9	6 23	3 41	15 11	2 23	21 50	2 35	5 49	1 8	14 49	1 20	7 57	2 15	23 25	0 7	10 2	0 56	23 43	0 38	22 19	22 30	6 48	12 21	6 42
S 27	4 33	11 17	2 53	15 41	2 29	22 9	2 39	5 34	1 8	14 47	1 20	8 0	2 15	23 25	0 7	10 2	0 56	23 43	0 38	22 18	22 29	6 45	12 21	6 42
M28	4 56	15 48	1 56	16 9	2 34	22 27	2 42	5 19	1 8	14 45	1 20	8 2	2 15	23 25	0 7	10 1	0 56	23 43	0 39	22 18	22 29	6 42	12 22	6 41
T 29	5 19	19 43	0 53	16 36	2 39	22 46	2 45	5 3	1 8	14 43	1 20	8 5	2 15	23 25	0 7	10 0	0 56	23 43	0 39	22 17	22 29	6 39	12 23	6 41
W30	5s42	22n49	0n13	17s 2	2s44	23s 3	2s49	4n48	1n 8	14n41	1s21	8s 7	2n15	23n25	0n 7	10n 0	0n56	23s43	0s39	22n17	22n28	6s37	12s23	6n41

Julian Day Number = 2187360.5, Delta T = 11m01s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'10, Lahiri = 13°46'10 Julian Calendar 1 Sept. 1276 == Greg. Calendar 8 Sept. 1276

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

OCTOBER 1276 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 9 11	15♎24'54	26♊59	9♏46	1♐27	21♍10	13°R27	26♎30	22°R 9	6♍38	10♑58	11♊47	13♊ 7	25♓ 7	5°R56	T 1
F 2	1 13 7	16°24'36	10♋ 3	10°47	2°32	21°48	13♉20	26°38	22♊ 8	6°40	10°59	11°R48	13° 4	25°14	5♒55	F 2
S 3	1 17 4	17°24'21	23°28	11°45	3°38	22°27	13°14	26°45	22° 8	6°41	10°59	11°48	13° 1	25°21	5°55	S 3
S 4	1 21 0	18°24'07	7♌19	12°40	4°43	23° 5	13° 7	26°52	22° 7	6°43	11° 0	11°46	12°58	25°27	5°55	S 4
M 5	1 24 57	19°23'56	21°35	13°32	5°48	23°44	13° 0	26°59	22° 6	6°45	11° 0	11°42	12°55	25°34	5°55	M 5
T 6	1 28 53	20°23'47	6♍15	14°20	6°52	24°22	12°53	27° 6	22° 5	6°47	11° 1	11°36	12°51	25°41	5°55	T 6
W 7	1 32 50	21°23'40	21°13	15° 4	7°57	25° 0	12°46	27°13	22° 5	6°48	11° 2	11°29	12°48	25°48	5°54	W 7
T 8	1 36 47	22°23'36	6♎22	15°43	9° 1	25°39	12°39	27°20	22° 4	6°50	11° 2	11°21	12°45	25°54	5°D54	T 8
F 9	1 40 43	23°23'33	21°32	16°17	10° 5	26°17	12°32	27°28	22° 3	6°52	11° 3	11°14	12°42	26° 1	5°54	F 9
S 10	1 44 40	24°23'33	6♏32	16°46	11° 9	26°56	12°24	27°35	22° 2	6°53	11° 4	11° 8	12°39	26° 8	5°55	S 10
S 11	1 48 36	25°23'34	21°13	17° 8	12°12	27°34	12°17	27°42	22° 1	6°55	11° 4	11° 4	12°36	26°14	5°55	S 11
M12	1 52 33	26°23'37	5♐30	17°24	13°16	28°12	12° 9	27°49	22° 0	6°57	11° 5	11°D 3	12°32	26°21	5°55	M12
T 13	1 56 29	27°23'42	19°19	17°32	14°19	28°51	12° 2	27°56	21°58	6°58	11° 6	11° 3	12°29	26°28	5°55	T 13
W14	2 0 26	28°23'49	2♑40	17°R32	15°21	29°29	11°54	28° 3	21°57	7° 0	11° 7	11° 4	12°26	26°35	5°56	W14
T 15	2 4 22	29°23'57	15°36	17°24	16°24	0♎ 8	11°46	28°11	21°56	7° 1	11° 8	11° 5	12°23	26°41	5°56	T 15
F 16	2 8 19	0♏24'07	28° 9	17° 6	17°26	0°46	11°38	28°18	21°55	7° 3	11° 9	11°R 6	12°20	26°48	5°57	F 16
S 17	2 12 16	1°24'18	10♒26	16°39	18°28	1°25	11°30	28°25	21°53	7° 4	11° 9	11° 6	12°17	26°55	5°57	S 17
S 18	2 16 12	2°24'31	22°30	16° 1	19°29	2° 3	11°22	28°32	21°52	7° 6	11°10	11° 4	12°13	27° 1	5°58	S 18
M19	2 20 9	3°24'45	4♓26	15°15	20°30	2°42	11°14	28°39	21°51	7° 7	11°11	11° 0	12°10	27° 8	5°59	M19
T 20	2 24 5	4°25'01	16°18	14°19	21°31	3°20	11° 6	28°46	21°49	7° 9	11°12	10°54	12° 7	27°15	6° 0	T 20
W21	2 28 2	5°25'19	28°10	13°14	22°31	3°58	10°58	28°54	21°48	7°10	11°13	10°48	12° 4	27°22	6° 0	W21
T 22	2 31 58	6°25'38	10♈ 5	12° 3	23°31	4°37	10°50	29° 1	21°46	7°11	11°14	10°41	12° 1	27°28	6° 1	T 22
F 23	2 35 55	7°25'58	22° 4	10°47	24°31	5°15	10°42	29° 8	21°44	7°13	11°15	10°35	11°57	27°35	6° 2	F 23
S 24	2 39 51	8°26'21	4♉10	9°27	25°30	5°54	10°34	29°15	21°43	7°14	11°17	10°30	11°54	27°42	6° 3	S 24
S 25	2 43 48	9°26'45	16°23	8° 7	26°29	6°32	10°26	29°22	21°41	7°15	11°18	10°26	11°51	27°48	6° 5	S 25
M26	2 47 44	10°27'10	28°46	6°49	27°27	7°11	10°17	29°29	21°39	7°16	11°19	10°24	11°48	27°55	6° 6	M26
T 27	2 51 41	11°27'38	11♊19	5°35	28°25	7°50	10° 9	29°36	21°38	7°18	11°20	10°D23	11°45	28° 2	6° 7	T 27
W28	2 55 38	12°28'07	24° 3	4°29	29°22	8°28	10° 1	29°43	21°36	7°19	11°21	10°24	11°42	28° 9	6° 8	W28
T 29	2 59 34	13°28'38	7♋ 0	3°31	0♑19	9° 7	9°53	29°50	21°34	7°20	11°22	10°25	11°38	28°15	6°10	T 29
F 30	3 3 31	14°29'11	20°12	2°44	1°15	9°45	9°45	29°58	21°32	7°21	11°24	10°27	11°35	28°22	6°11	F 30
S 31	3 7 27	15♏29'46	3♌41	2♏ 8	2♑11	10♎24	9♉37	0♏ 5	21♊30	7♍22	11♑25	10♊28	11♊32	28♓29	6♒13	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6s 6	24n51	1n21	17s27	2s48	23s20	2s52	4n33	1n 8	14n39	1s21	8s10	2n15	23n25	0n 7	9n59	0n56	23s43	0s39	22n17	22n28	6s34	12s24	6n40
F 2	6 29	25 34	2 26	17 50	2 52	23 37	2 55	4 18	1 7	14 37	1 21	8 13	2 15	23 25	0 7	9 58	0 56	23 43	0 39	22 17	22 27	6 31	12 24	6 40
S 3	6 52	24 50	3 24	18 11	2 55	23 52	2 58	4 2	1 7	14 35	1 21	8 15	2 15	23 25	0 7	9 58	0 56	23 43	0 39	22 17	22 27	6 28	12 25	6 39
S 4	7 14	22 36	4 13	18 31	2 58	24 8	3 1	3 47	1 7	14 33	1 21	8 18	2 15	23 25	0 7	9 57	0 56	23 43	0 39	22 17	22 27	6 25	12 25	6 39
M 5	7 37	18 54	4 48	18 49	3 0	24 22	3 4	3 32	1 7	14 31	1 21	8 20	2 15	23 25	0 8	9 57	0 56	23 43	0 39	22 17	22 26	6 22	12 26	6 38
T 6	8 0	13 59	5 5	19 6	3 2	24 37	3 7	3 16	1 7	14 29	1 21	8 23	2 15	23 25	0 8	9 56	0 57	23 43	0 39	22 16	22 26	6 19	12 26	6 38
W 7	8 23	8 7	5 2	19 20	3 3	24 50	3 9	3 1	1 7	14 27	1 21	8 26	2 15	23 25	0 8	9 55	0 57	23 43	0 39	22 15	22 25	6 17	12 27	6 37
T 8	8 45	1 43	4 38	19 31	3 3	25 3	3 12	2 45	1 7	14 25	1 21	8 28	2 15	23 25	0 8	9 55	0 57	23 43	0 39	22 14	22 25	6 14	12 27	6 37
F 9	9 7	4s48	3 55	19 41	3 2	25 15	3 15	2 30	1 7	14 23	1 21	8 31	2 15	23 25	0 8	9 54	0 57	23 44	0 39	22 13	22 25	6 11	12 28	6 36
S 10	9 29	11 0	2 55	19 48	3 0	25 27	3 17	2 15	1 6	14 20	1 21	8 33	2 15	23 25	0 8	9 54	0 57	23 44	0 39	22 12	22 24	6 8	12 28	6 36
S 11	9 52	16 27	1 45	19 51	2 58	25 38	3 19	1 59	1 6	14 18	1 21	8 36	2 15	23 25	0 8	9 53	0 57	23 44	0 39	22 11	22 24	6 5	12 28	6 36
M12	10 13	20 49	0 30	19 52	2 54	25 49	3 22	1 44	1 6	14 16	1 21	8 39	2 15	23 25	0 8	9 52	0 57	23 44	0 40	22 11	22 23	6 2	12 29	6 35
T 13	10 35	23 51	0s45	19 50	2 49	25 59	3 24	1 28	1 6	14 13	1 21	8 41	2 15	23 25	0 8	9 52	0 57	23 44	0 40	22 11	22 23	5 59	12 29	6 35
W14	10 57	25 25	1 54	19 43	2 42	26 8	3 26	1 13	1 6	14 11	1 21	8 44	2 15	23 25	0 8	9 51	0 57	23 44	0 40	22 11	22 23	5 56	12 30	6 34
T 15	11 18	25 32	2 56	19 33	2 34	26 17	3 28	0 57	1 6	14 9	1 21	8 46	2 15	23 25	0 8	9 51	0 57	23 44	0 40	22 12	22 22	5 54	12 30	6 34
F 16	11 39	24 20	3 48	19 19	2 25	26 25	3 29	0 42	1 6	14 6	1 21	8 49	2 15	23 25	0 8	9 50	0 57	23 44	0 40	22 12	22 22	5 51	12 30	6 33
S 17	12 1	21 59	4 27	19 0	2 13	26 32	3 31	0 26	1 5	14 4	1 21	8 51	2 15	23 25	0 8	9 50	0 57	23 44	0 40	22 12	22 21	5 48	12 31	6 33
S 18	12 21	18 42	4 54	18 37	2 0	26 39	3 33	0 11	1 5	14 1	1 21	8 54	2 15	23 25	0 8	9 49	0 57	23 44	0 40	22 11	22 21	5 45	12 31	6 32
M19	12 42	14 42	5 8	18 9	1 46	26 45	3 34	0s 5	1 5	13 59	1 21	8 56	2 15	23 25	0 8	9 49	0 57	23 44	0 40	22 11	22 20	5 42	12 31	6 32
T 20	13 3	10 10	5 9	17 37	1 29	26 50	3 35	0 20	1 5	13 57	1 21	8 59	2 15	23 25	0 8	9 48	0 57	23 44	0 40	22 10	22 20	5 39	12 31	6 31
W21	13 23	5 15	4 56	17 1	1 12	26 55	3 36	0 36	1 5	13 54	1 20	9 1	2 15	23 24	0 8	9 48	0 57	23 43	0 40	22 9	22 20	5 36	12 32	6 31
T 22	13 43	0 9	4 31	16 21	0 53	26 59	3 37	0 51	1 5	13 52	1 20	9 4	2 15	23 24	0 8	9 47	0 57	23 43	0 40	22 8	22 19	5 33	12 32	6 30
F 23	14 3	5n 1	3 53	15 38	0 33	27 3	3 38	1 7	1 4	13 49	1 20	9 7	2 15	23 24	0 8	9 47	0 57	23 43	0 40	22 7	22 19	5 30	12 32	6 30
S 24	14 22	10 3	3 5	14 53	0 12	27 6	3 39	1 22	1 4	13 47	1 20	9 9	2 15	23 24	0 8	9 46	0 57	23 43	0 40	22 7	22 18	5 28	12 32	6 30
S 25	14 42	14 46	2 7	14 8	0n 9	27 8	3 39	1 38	1 4	13 44	1 20	9 11	2 15	23 24	0 8	9 46	0 57	23 43	0 40	22 6	22 18	5 25	12 32	6 29
M26	15 1	18 56	1 3	13 23	0 29	27 10	3 40	1 53	1 4	13 42	1 20	9 14	2 15	23 24	0 8	9 46	0 57	23 43	0 41	22 6	22 17	5 22	12 33	6 29
T 27	15 20	22 19	0n 5	12 40	0 49	27 11	3 40	2 9	1 4	13 39	1 20	9 16	2 15	23 24	0 8	9 45	0 57	23 43	0 41	22 6	22 17	5 19	12 33	6 28
W28	15 38	24 38	1 14	12 1	1 7	27 12	3 40	2 24	1 3	13 37	1 20	9 19	2 15	23 24	0 8	9 45	0 57	23 43	0 41	22 6	22 17	5 16	12 33	6 28
T 29	15 57	25 42	2 21	11 26	1 23	27 12	3 40	2 39	1 3	13 34	1 20	9 21	2 15	23 24	0 8	9 44	0 57	23 43	0 41	22 6	22 16	5 13	12 33	6 27
F 30	16 15	25 20	3 21	10 56	1 38	27 11	3 39	2 55	1 3	13 32	1 20	9 24	2 15	23 24	0 8	9 44	0 57	23 43	0 41	22 6	22 16	5 10	12 33	6 27
S 31	16s33	23n29	4n12	10s31	1n51	27s10	3s39	3s10	1n 3	13n30	1s19	9s26	2n15	23n24	0n 8	9n44	0n57	23s43	0s41	22n 6	22n15	5s 7	12s33	6n26

Julian Day Number = 2187390.5, Delta T = 11m01s
Ecliptic obliquity = 23°32'03, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'14, Lahiri = 13°46'14 Julian Calendar 1 Oct. 1276 == Greg. Calendar 8 Oct. 1276

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

NOVEMBER 1276 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 11 24	16♏30'23	17♌27	1°R44	3♉ 6	11♎ 2	9°R29	0♏12	21°R28	7♍23	11♉26	10°R28	11♊29	28♓36	6♒14	S 1
M 2	3 15 20	17°31'01	1♍31	1♏31	4° 1	11°41	9♉21	0°19	21♊26	7°24	11°27	10♊28	11°26	28°42	6°16	M 2
T 3	3 19 17	18°31'41	15°52	1°D30	4°55	12°19	9°13	0°26	21°24	7°25	11°29	10°26	11°23	28°49	6°18	T 3
W 4	3 23 13	19°32'23	0♎27	1°39	5°49	12°58	9° 5	0°32	21°22	7°26	11°30	10°24	11°19	28°56	6°19	W 4
T 5	3 27 10	20°33'06	15°11	1°59	6°41	13°37	8°57	0°39	21°20	7°27	11°32	10°21	11°16	29° 2	6°21	T 5
F 6	3 31 7	21°33'51	29°58	2°27	7°33	14°15	8°49	0°46	21°18	7°28	11°33	10°18	11°13	29° 9	6°23	F 6
S 7	3 35 3	22°34'38	14♏39	3° 4	8°25	14°54	8°41	0°53	21°16	7°29	11°34	10°16	11°10	29°16	6°25	S 7
S 8	3 39 0	23°35'26	29° 9	3°48	9°16	15°32	8°34	1° 0	21°14	7°30	11°36	10°15	11° 7	29°23	6°27	S 8
M 9	3 42 56	24°36'15	13♐20	4°39	10° 6	16°11	8°26	1° 7	21°12	7°30	11°37	10°D15	11° 3	29°29	6°29	M 9
T 10	3 46 53	25°37'05	27° 9	5°35	10°55	16°50	8°19	1°14	21° 9	7°31	11°39	10°15	11° 0	29°36	6°31	T 10
W11	3 50 49	26°37'57	10♑33	6°36	11°43	17°28	8°11	1°20	21° 7	7°32	11°40	10°16	10°57	29°43	6°33	W11
T 12	3 54 46	27°38'49	23°34	7°42	12°30	18° 7	8° 4	1°27	21° 5	7°33	11°42	10°18	10°54	29°49	6°36	T 12
F 13	3 58 43	28°39'43	6♒13	8°51	13°17	18°46	7°57	1°34	21° 3	7°33	11°43	10°19	10°51	29°56	6°38	F 13
S 14	4 2 39	29°40'37	18°34	10° 3	14° 3	19°24	7°50	1°40	21° 0	7°34	11°45	10°19	10°48	0♈ 3	6°40	S 14
S 15	4 6 36	0♐41'32	0♓41	11°19	14°47	20° 3	7°43	1°47	20°58	7°35	11°47	10°R20	10°44	0°10	6°43	S 15
M16	4 10 32	1°42'28	12°38	12°36	15°31	20°42	7°36	1°53	20°55	7°35	11°48	10°19	10°41	0°16	6°45	M16
T 17	4 14 29	2°43'24	24°30	13°56	16°13	21°20	7°29	2° 0	20°53	7°36	11°50	10°19	10°38	0°23	6°48	T 17
W18	4 18 25	3°44'22	6♈22	15°17	16°55	21°59	7°23	2° 6	20°51	7°36	11°52	10°18	10°35	0°30	6°50	W18
T 19	4 22 22	4°45'20	18°18	16°40	17°35	22°38	7°16	2°13	20°48	7°37	11°53	10°17	10°32	0°36	6°53	T 19
F 20	4 26 18	5°46'19	0♉22	18° 5	18°14	23°16	7°10	2°19	20°46	7°37	11°55	10°16	10°28	0°43	6°56	F 20
S 21	4 30 15	6°47'18	12°35	19°30	18°52	23°55	7° 4	2°26	20°43	7°37	11°57	10°16	10°25	0°50	6°58	S 21
S 22	4 34 12	7°48'19	25° 1	20°56	19°28	24°34	6°58	2°32	20°41	7°38	11°58	10°16	10°22	0°57	7° 1	S 22
M23	4 38 8	8°49'20	7♊40	22°23	20° 3	25°12	6°52	2°38	20°38	7°38	12° 0	10°D16	10°19	1° 3	7° 4	M23
T 24	4 42 5	9°50'22	20°34	23°51	20°37	25°51	6°46	2°45	20°36	7°38	12° 2	10°R16	10°16	1°10	7° 7	T 24
W25	4 46 1	10°51'25	3♋41	25°20	21° 9	26°30	6°41	2°51	20°33	7°39	12° 4	10°16	10°13	1°17	7°10	W25
T 26	4 49 58	11°52'29	17° 2	26°49	21°39	27° 8	6°35	2°57	20°31	7°39	12° 5	10°16	10° 9	1°23	7°13	T 26
F 27	4 53 54	12°53'33	0♌36	28°18	22° 8	27°47	6°30	3° 3	20°28	7°39	12° 7	10°15	10° 6	1°30	7°16	F 27
S 28	4 57 51	13°54'39	14°20	29°48	22°36	28°26	6°25	3° 9	20°26	7°39	12° 9	10°15	10° 3	1°37	7°19	S 28
S 29	5 1 47	14°55'45	28°15	1♐18	23° 1	29° 5	6°20	3°15	20°23	7°39	12°11	10°15	10° 0	1°44	7°22	S 29
M30	5 5 44	15♐56'52	12♍19	2♐49	23♉25	29♎43	6♉16	3♏21	20♊21	7♍39	12♉13	10°D14	9♊57	1♈50	7♒25	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s50	20n15	4n50	10s13	2n 2	27s 8	3s38	3s26	1n 3	13n27	1s19	9s29	2n15	23n23	0n 8	9n43	0n57	23s43	0s41	22n 6	22n15	5s 4	12s33	6n26
M 2	17 8	15 48	5 11	10 0	2 11	27 5	3 37	3 41	1 2	13 25	1 19	9 31	2 15	23 23	0 8	9 43	0 57	23 43	0 41	22 6	22 14	5 1	12 33	6 25
T 3	17 25	10 24	5 13	9 53	2 18	27 2	3 36	3 56	1 2	13 22	1 19	9 33	2 15	23 23	0 8	9 43	0 58	23 43	0 41	22 6	22 14	4 58	12 33	6 25
W 4	17 41	4 20	4 56	9 52	2 23	26 59	3 34	4 11	1 2	13 20	1 19	9 36	2 15	23 23	0 8	9 42	0 58	23 43	0 41	22 6	22 14	4 55	12 33	6 25
T 5	17 58	2s 2	4 19	9 55	2 26	26 54	3 33	4 27	1 2	13 18	1 19	9 38	2 15	23 23	0 8	9 42	0 58	23 43	0 41	22 5	22 13	4 53	12 33	6 24
F 6	18 14	8 19	3 24	10 3	2 29	26 50	3 31	4 42	1 1	13 15	1 19	9 40	2 15	23 23	0 8	9 42	0 58	23 43	0 41	22 5	22 13	4 50	12 33	6 24
S 7	18 29	14 7	2 17	10 15	2 29	26 45	3 29	4 57	1 1	13 13	1 18	9 43	2 15	23 23	0 8	9 41	0 58	23 43	0 41	22 5	22 12	4 47	12 33	6 23
S 8	18 45	19 3	1 1	10 30	2 29	26 39	3 27	5 12	1 1	13 11	1 18	9 45	2 15	23 23	0 8	9 41	0 58	23 43	0 41	22 4	22 12	4 44	12 33	6 23
M 9	19 0	22 46	0s17	10 49	2 27	26 33	3 24	5 27	1 1	13 8	1 18	9 47	2 16	23 22	0 8	9 41	0 58	23 43	0 42	22 4	22 11	4 41	12 33	6 22
T 10	19 14	25 2	1 32	11 10	2 25	26 26	3 22	5 42	1 0	13 6	1 18	9 50	2 16	23 22	0 8	9 41	0 58	23 43	0 42	22 4	22 11	4 38	12 33	6 22
W11	19 29	25 46	2 40	11 33	2 21	26 19	3 19	5 58	1 0	13 4	1 18	9 52	2 16	23 22	0 8	9 40	0 58	23 43	0 42	22 5	22 10	4 35	12 33	6 22
T 12	19 43	25 2	3 37	11 58	2 17	26 11	3 16	6 13	1 0	13 2	1 17	9 54	2 16	23 22	0 8	9 40	0 58	23 43	0 42	22 5	22 10	4 32	12 33	6 21
F 13	19 56	23 2	4 23	12 24	2 13	26 3	3 12	6 28	1 0	13 0	1 17	9 56	2 16	23 22	0 8	9 40	0 58	23 43	0 42	22 5	22 10	4 29	12 32	6 21
S 14	20 10	19 59	4 54	12 52	2 8	25 55	3 8	6 42	0 59	12 58	1 17	9 59	2 16	23 22	0 8	9 40	0 58	23 43	0 42	22 5	22 9	4 26	12 32	6 20
S 15	20 23	16 8	5 12	13 21	2 2	25 46	3 4	6 57	0 59	12 56	1 17	10 1	2 16	23 22	0 8	9 39	0 58	23 42	0 42	22 5	22 9	4 23	12 32	6 20
M16	20 35	11 43	5 16	13 50	1 56	25 37	3 0	7 12	0 59	12 54	1 17	10 3	2 16	23 21	0 8	9 39	0 58	23 42	0 42	22 5	22 8	4 20	12 32	6 20
T 17	20 47	6 53	5 7	14 20	1 50	25 27	2 56	7 27	0 59	12 52	1 16	10 5	2 16	23 21	0 8	9 39	0 58	23 42	0 42	22 5	22 8	4 17	12 32	6 19
W18	20 59	1 49	4 45	14 50	1 43	25 17	2 51	7 42	0 58	12 50	1 16	10 7	2 16	23 21	0 8	9 39	0 58	23 42	0 42	22 5	22 7	4 14	12 31	6 19
T 19	21 10	3n21	4 10	15 21	1 37	25 6	2 46	7 56	0 58	12 48	1 16	10 9	2 16	23 21	0 8	9 39	0 58	23 42	0 42	22 5	22 7	4 11	12 31	6 18
F 20	21 21	8 28	3 24	15 51	1 30	24 56	2 40	8 11	0 58	12 46	1 16	10 11	2 17	23 21	0 8	9 39	0 58	23 42	0 42	22 5	22 6	4 8	12 31	6 18
S 21	21 32	13 20	2 28	16 21	1 23	24 45	2 34	8 26	0 57	12 44	1 15	10 14	2 17	23 21	0 8	9 39	0 58	23 42	0 42	22 5	22 6	4 5	12 30	6 18
S 22	21 42	17 45	1 24	16 51	1 15	24 33	2 28	8 40	0 57	12 42	1 15	10 16	2 17	23 20	0 8	9 39	0 58	23 42	0 43	22 5	22 5	4 2	12 30	6 17
M23	21 52	21 26	0 14	17 20	1 8	24 22	2 22	8 55	0 57	12 41	1 15	10 18	2 17	23 20	0 8	9 38	0 58	23 42	0 43	22 5	22 5	4 0	12 30	6 17
T 24	22 1	24 9	0n57	17 50	1 1	24 10	2 15	9 9	0 56	12 39	1 15	10 20	2 17	23 20	0 8	9 38	0 58	23 42	0 43	22 5	22 5	3 57	12 29	6 17
W25	22 10	25 35	2 6	18 18	0 54	23 58	2 8	9 23	0 56	12 38	1 14	10 22	2 17	23 20	0 8	9 38	0 58	23 42	0 43	22 5	22 4	3 54	12 29	6 16
T 26	22 18	25 35	3 10	18 46	0 46	23 46	2 0	9 38	0 56	12 36	1 14	10 24	2 17	23 20	0 8	9 38	0 59	23 42	0 43	22 5	22 4	3 51	12 29	6 16
F 27	22 26	24 5	4 4	19 14	0 39	23 33	1 52	9 52	0 56	12 35	1 14	10 26	2 17	23 20	0 8	9 38	0 59	23 42	0 43	22 4	22 3	3 48	12 28	6 16
S 28	22 34	21 8	4 45	19 41	0 31	23 20	1 44	10 6	0 55	12 33	1 14	10 27	2 17	23 19	0 8	9 38	0 59	23 41	0 43	22 4	22 3	3 45	12 28	6 15
S 29	22 41	16 58	5 10	20 7	0 24	23 8	1 35	10 20	0 55	12 32	1 13	10 29	2 18	23 19	0 8	9 38	0 59	23 41	0 43	22 4	22 2	3 42	12 27	6 15
M30	22s47	11n50	5n17	20s32	0n17	22s55	1s26	10s34	0n54	12n31	1s13	10s31	2n18	23n19	0n 8	9n38	0n59	23s41	0s43	22n 4	22n 2	3s39	12s27	6n15

Julian Day Number = 2187421.5, Delta T = 11m01s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'18, Lahiri = 13°46'19 Julian Calendar 1 Nov. 1276 == Greg. Calendar 8 Nov. 1276

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ASTRODIENST EPHEMERIS for the year 1276
geocentric

DECEMBER 1276 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 9 41	16♐58'00	26♍29	4♐20	23♑47	0♏22	6°R11	3♏27	20°R18	7♍40	12♑14	10♊14	9♊54	1♈57	7♒28	T 1
W 2	5 13 37	17°59'09	10♎44	5°51	24° 7	1° 1	6♉ 7	3°33	20♊15	7°R40	12°16	10°15	9°50	2° 4	7°32	W 2
T 3	5 17 34	19° 0'19	25° 2	7°23	24°25	1°40	6° 3	3°38	20°13	7°40	12°18	10°16	9°47	2°10	7°35	T 3
F 4	5 21 30	20° 1'29	9♏19	8°54	24°41	2°18	5°59	3°44	20°10	7°39	12°20	10°16	9°44	2°17	7°38	F 4
S 5	5 25 27	21° 2'40	23°31	10°26	24°55	2°57	5°55	3°50	20° 8	7°39	12°22	10°17	9°41	2°24	7°42	S 5
S 6	5 29 23	22° 3'51	7♐35	11°59	25° 7	3°36	5°51	3°55	20° 5	7°39	12°24	10°R18	9°38	2°31	7°45	S 6
M 7	5 33 20	23° 5'03	21°26	13°31	25°17	4°15	5°48	4° 1	20° 3	7°39	12°26	10°17	9°34	2°37	7°49	M 7
T 8	5 37 16	24° 6'15	5♑ 2	15° 4	25°24	4°53	5°45	4° 6	20° 0	7°39	12°28	10°16	9°31	2°44	7°52	T 8
W 9	5 41 13	25° 7'28	18°19	16°37	25°29	5°32	5°42	4°12	19°57	7°39	12°30	10°15	9°28	2°51	7°56	W 9
T 10	5 45 10	26° 8'40	1♒18	18°10	25°32	6°11	5°39	4°17	19°55	7°38	12°32	10°12	9°25	2°57	7°59	T 10
F 11	5 49 6	27° 9'53	13°58	19°44	25°R32	6°50	5°37	4°22	19°52	7°38	12°33	10°10	9°22	3° 4	8° 3	F 11
S 12	5 53 3	28°11'05	26°21	21°18	25°29	7°29	5°34	4°27	19°50	7°38	12°35	10° 7	9°19	3°11	8° 7	S 12
S 13	5 56 59	29°12'17	8♓29	22°52	25°24	8° 7	5°32	4°33	19°47	7°37	12°37	10° 5	9°15	3°18	8°10	S 13
M14	6 0 56	0♑13'29	20°28	24°26	25°17	8°46	5°30	4°38	19°45	7°37	12°39	10° 4	9°12	3°24	8°14	M14
T 15	6 4 52	1°14'40	2♈21	26° 1	25° 7	9°25	5°28	4°43	19°42	7°37	12°41	10°D 3	9° 9	3°31	8°18	T 15
W16	6 8 49	2°15'52	14°12	27°36	24°55	10° 4	5°27	4°47	19°40	7°36	12°43	10° 4	9° 6	3°38	8°22	W16
T 17	6 12 45	3°17'03	26° 8	29°12	24°40	10°42	5°26	4°52	19°37	7°36	12°45	10° 5	9° 3	3°44	8°26	T 17
F 18	6 16 42	4°18'13	8♉12	0♑47	24°22	11°21	5°24	4°57	19°35	7°35	12°47	10° 7	9° 0	3°51	8°30	F 18
S 19	6 20 39	5°19'23	20°29	2°24	24° 3	12° 0	5°24	5° 2	19°32	7°35	12°49	10° 9	8°56	3°58	8°33	S 19
S 20	6 24 35	6°20'33	3♊ 3	4° 0	23°41	12°39	5°23	5° 6	19°30	7°34	12°51	10°10	8°53	4° 5	8°37	S 20
M21	6 28 32	7°21'43	15°55	5°37	23°16	13°18	5°22	5°11	19°27	7°33	12°53	10°R10	8°50	4°11	8°41	M21
T 22	6 32 28	8°22'52	29° 8	7°15	22°50	13°56	5°22	5°15	19°25	7°33	12°55	10° 9	8°47	4°18	8°45	T 22
W23	6 36 25	9°24'01	12♋39	8°53	22°21	14°35	5°D22	5°20	19°23	7°32	12°57	10° 6	8°44	4°25	8°49	W23
T 24	6 40 21	10°25'10	26°29	10°31	21°51	15°14	5°22	5°24	19°20	7°31	12°59	10° 2	8°41	4°31	8°54	T 24
F 25	6 44 18	11°26'18	10♌32	12°10	21°19	15°53	5°22	5°28	19°18	7°31	13° 1	9°57	8°37	4°38	8°58	F 25
S 26	6 48 15	12°27'26	24°44	13°49	20°46	16°32	5°23	5°33	19°16	7°30	13° 3	9°52	8°34	4°45	9° 2	S 26
S 27	6 52 11	13°28'34	9♍ 1	15°29	20°11	17°10	5°24	5°37	19°13	7°29	13° 5	9°47	8°31	4°51	9° 6	S 27
M28	6 56 8	14°29'41	23°18	17° 9	19°36	17°49	5°25	5°41	19°11	7°28	13° 7	9°44	8°28	4°58	9°10	M28
T 29	7 0 4	15°30'48	7♎32	18°50	19° 0	18°28	5°26	5°45	19° 9	7°27	13° 9	9°42	8°25	5° 5	9°14	T 29
W30	7 4 1	16°31'55	21°41	20°31	18°23	19° 7	5°27	5°48	19° 7	7°26	13°11	9°D42	8°21	5°12	9°18	W30
T 31	7 7 57	17♑33'02	5♏42	22♑13	17♑46	19♏46	5♉29	5♏52	19♊ 4	7♍26	13♑13	9♊43	8♊18	5♈18	9♒23	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s54	6n 3	5n 4	20s56	0n10	22s41	1s17	10s48	0n54	12n29	1s13	10s33	2n18	23n19	0n 8	9n38	0n59	23s41	0s43	22n 4	22n 1	3s36	12s26	6n14
W 2	22 59	0s 5	4 33	21 20	0 3	22 28	1 7	11 2	0 54	12 28	1 13	10 35	2 18	23 19	0 8	9 38	0 59	23 41	0 43	22 4	22 1	3 33	12 26	6 14
T 3	23 5	6 14	3 45	21 42	0s 5	22 15	0 57	11 16	0 53	12 27	1 12	10 37	2 18	23 19	0 8	9 38	0 59	23 41	0 43	22 5	22 0	3 30	12 25	6 14
F 4	23 9	12 4	2 43	22 4	0 11	22 2	0 46	11 30	0 53	12 26	1 12	10 39	2 18	23 18	0 8	9 38	0 59	23 41	0 44	22 5	22 0	3 27	12 25	6 13
S 5	23 14	17 15	1 32	22 24	0 18	21 48	0 35	11 43	0 53	12 25	1 12	10 40	2 18	23 18	0 8	9 38	0 59	23 41	0 44	22 5	21 59	3 24	12 24	6 13
S 6	23 18	21 25	0 15	22 44	0 25	21 35	0 24	11 57	0 52	12 24	1 11	10 42	2 19	23 18	0 8	9 39	0 59	23 41	0 44	22 5	21 59	3 21	12 24	6 13
M 7	23 21	24 16	1s 1	23 2	0 32	21 22	0 12	12 10	0 52	12 23	1 11	10 44	2 19	23 18	0 8	9 39	0 59	23 41	0 44	22 5	21 58	3 18	12 23	6 12
T 8	23 24	25 39	2 13	23 19	0 38	21 8	0n 0	12 24	0 52	12 23	1 11	10 46	2 19	23 18	0 8	9 39	0 59	23 40	0 44	22 5	21 58	3 15	12 23	6 12
W 9	23 27	25 30	3 15	23 36	0 44	20 55	0 13	12 37	0 51	12 22	1 11	10 47	2 19	23 17	0 8	9 39	0 59	23 40	0 44	22 4	21 57	3 12	12 22	6 12
T 10	23 29	23 56	4 6	23 51	0 50	20 42	0 26	12 50	0 51	12 21	1 10	10 49	2 19	23 17	0 8	9 39	0 59	23 40	0 44	22 4	21 57	3 9	12 21	6 11
F 11	23 30	21 13	4 43	24 4	0 56	20 28	0 39	13 3	0 50	12 21	1 10	10 50	2 19	23 17	0 8	9 39	0 59	23 40	0 44	22 4	21 57	3 6	12 21	6 11
S 12	23 31	17 35	5 6	24 17	1 2	20 15	0 53	13 16	0 50	12 20	1 10	10 52	2 20	23 17	0 8	9 39	0 59	23 40	0 44	22 3	21 56	3 3	12 20	6 11
S 13	23 32	13 17	5 15	24 28	1 8	20 2	1 7	13 29	0 49	12 20	1 9	10 54	2 20	23 17	0 8	9 40	0 59	23 40	0 44	22 3	21 56	3 0	12 19	6 11
M14	23 32	8 32	5 10	24 38	1 13	19 50	1 22	13 42	0 49	12 19	1 9	10 55	2 20	23 17	0 8	9 40	0 59	23 40	0 44	22 3	21 55	2 57	12 19	6 10
T 15	23 32	3 31	4 52	24 47	1 18	19 37	1 36	13 55	0 49	12 19	1 9	10 57	2 20	23 16	0 8	9 40	0 59	23 40	0 44	22 3	21 55	2 54	12 18	6 10
W16	23 31	1n37	4 21	24 54	1 23	19 25	1 51	14 8	0 48	12 19	1 8	10 58	2 20	23 16	0 8	9 40	0 59	23 40	0 45	22 3	21 54	2 51	12 17	6 10
T 17	23 30	6 44	3 39	25 0	1 28	19 12	2 6	14 20	0 48	12 19	1 8	11 0	2 20	23 16	0 8	9 40	0 59	23 40	0 45	22 3	21 54	2 48	12 17	6 10
F 18	23 28	11 40	2 47	25 5	1 33	19 0	2 22	14 33	0 47	12 19	1 8	11 1	2 21	23 16	0 8	9 41	0 59	23 39	0 45	22 3	21 53	2 45	12 16	6 9
S 19	23 26	16 14	1 46	25 8	1 37	18 48	2 37	14 45	0 47	12 19	1 7	11 2	2 21	23 16	0 8	9 41	0 59	23 39	0 45	22 4	21 53	2 42	12 15	6 9
S 20	23 23	20 13	0 39	25 9	1 41	18 37	2 53	14 58	0 46	12 19	1 7	11 4	2 21	23 15	0 8	9 41	1 0	23 39	0 45	22 4	21 52	2 39	12 14	6 9
M21	23 20	23 19	0n32	25 10	1 45	18 26	3 8	15 10	0 46	12 19	1 7	11 5	2 21	23 15	0 8	9 41	1 0	23 39	0 45	22 4	21 52	2 36	12 14	6 9
T 22	23 16	25 14	1 42	25 8	1 48	18 15	3 24	15 22	0 45	12 19	1 7	11 6	2 21	23 15	0 8	9 42	1 0	23 39	0 45	22 4	21 51	2 33	12 13	6 8
W23	23 12	25 43	2 49	25 6	1 52	18 4	3 39	15 34	0 45	12 19	1 6	11 8	2 21	23 15	0 8	9 42	1 0	23 39	0 45	22 3	21 51	2 30	12 12	6 8
T 24	23 7	24 39	3 46	25 1	1 55	17 54	3 55	15 46	0 44	12 20	1 6	11 9	2 22	23 15	0 8	9 42	1 0	23 39	0 45	22 2	21 50	2 27	12 11	6 8
F 25	23 2	22 1	4 32	24 55	1 57	17 44	4 10	15 57	0 44	12 20	1 6	11 10	2 22	23 15	0 8	9 43	1 0	23 39	0 45	22 2	21 50	2 24	12 10	6 8
S 26	22 57	18 3	5 1	24 48	1 59	17 34	4 24	16 9	0 43	12 20	1 5	11 11	2 22	23 14	0 9	9 43	1 0	23 39	0 45	22 1	21 49	2 21	12 9	6 8
S 27	22 51	13 1	5 11	24 38	2 1	17 25	4 39	16 21	0 43	12 21	1 5	11 12	2 22	23 14	0 9	9 43	1 0	23 39	0 45	22 0	21 49	2 18	12 9	6 7
M28	22 45	7 18	5 3	24 28	2 3	17 16	4 53	16 32	0 42	12 22	1 5	11 14	2 22	23 14	0 9	9 44	1 0	23 38	0 46	22 0	21 48	2 15	12 8	6 7
T 29	22 38	1 13	4 36	24 15	2 4	17 7	5 6	16 43	0 42	12 22	1 4	11 15	2 23	23 14	0 9	9 44	1 0	23 38	0 46	22 0	21 48	2 12	12 7	6 7
W30	22 30	4s54	3 52	24 1	2 5	16 59	5 19	16 54	0 41	12 23	1 4	11 16	2 23	23 14	0 9	9 44	1 0	23 38	0 46	22 0	21 47	2 9	12 6	6 7
T 31	22s23	10s44	2n55	23s45	2s 5	16s52	5n32	17s 5	0n41	12n24	1s 4	11s17	2n23	23n13	0n 9	9n45	1n 0	23s38	0s46	22n 0	21n47	2s 6	12s 5	6n 7

Julian Day Number = 2187451.5, Delta T = 11m01s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'22, Lahiri = 13°46'23 Julian Calendar 1 Dec. 1276 == Greg. Calendar 8 Dec. 1276

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

JANUARY 1277 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 11 54	18♑34'08	19♏35	23♑55	17°R 9	20♏24	5♉31	5♏56	19°R 2	7°R25	13♑15	9♊44	8♊15	5♈25	9♒27	F 1
S 2	7 15 50	19°35'14	3♐20	25°37	16♑32	21° 3	5°33	5°59	19♊ 0	7♍24	13°17	9°R46	8°12	5°32	9°31	S 2
S 3	7 19 47	20°36'19	16°55	27°20	15°56	21°42	5°35	6° 3	18°58	7°23	13°19	9°45	8° 9	5°38	9°35	S 3
M 4	7 23 44	21°37'24	0♑20	29° 4	15°21	22°21	5°37	6° 6	18°56	7°22	13°21	9°44	8° 6	5°45	9°40	M 4
T 5	7 27 40	22°38'29	13°33	0♒47	14°47	23° 0	5°40	6° 9	18°54	7°21	13°23	9°39	8° 2	5°52	9°44	T 5
W 6	7 31 37	23°39'32	26°33	2°31	14°14	23°38	5°42	6°13	18°52	7°19	13°25	9°33	7°59	5°59	9°48	W 6
T 7	7 35 33	24°40'35	9♒20	4°15	13°42	24°17	5°45	6°16	18°50	7°18	13°27	9°25	7°56	6° 5	9°53	T 7
F 8	7 39 30	25°41'36	21°53	5°59	13°12	24°56	5°49	6°19	18°48	7°17	13°29	9°16	7°53	6°12	9°57	F 8
S 9	7 43 26	26°42'37	4♓13	7°43	12°44	25°35	5°52	6°22	18°46	7°16	13°31	9° 7	7°50	6°19	10° 2	S 9
S 10	7 47 23	27°43'36	16°20	9°26	12°18	26°13	5°56	6°24	18°44	7°15	13°33	8°59	7°46	6°25	10° 6	S 10
M11	7 51 19	28°44'34	28°18	11° 9	11°54	26°52	5°59	6°27	18°42	7°14	13°35	8°52	7°43	6°32	10°10	M11
T 12	7 55 16	29°45'31	10♈10	12°52	11°32	27°31	6° 3	6°30	18°41	7°12	13°37	8°48	7°40	6°39	10°15	T 12
W13	7 59 13	0♒46'27	22° 0	14°33	11°12	28°10	6° 7	6°32	18°39	7°11	13°39	8°45	7°37	6°46	10°19	W13
T 14	8 3 9	1°47'21	3♉53	16°14	10°55	28°48	6°12	6°35	18°37	7°10	13°41	8°D45	7°34	6°52	10°24	T 14
F 15	8 7 6	2°48'14	15°55	17°52	10°40	29°27	6°16	6°37	18°36	7° 9	13°43	8°46	7°31	6°59	10°28	F 15
S 16	8 11 2	3°49'05	28°10	19°29	10°27	0♐ 6	6°21	6°39	18°34	7° 7	13°45	8°47	7°27	7° 6	10°32	S 16
S 17	8 14 59	4°49'55	10♊45	21° 3	10°17	0°45	6°26	6°42	18°32	7° 6	13°47	8°R47	7°24	7°12	10°37	S 17
M18	8 18 55	5°50'44	23°42	22°35	10°10	1°23	6°31	6°44	18°31	7° 5	13°49	8°46	7°21	7°19	10°41	M18
T 19	8 22 52	6°51'31	7♋ 4	24° 2	10° 4	2° 2	6°36	6°46	18°29	7° 3	13°51	8°42	7°18	7°26	10°46	T 19
W20	8 26 48	7°52'17	20°52	25°26	10° 2	2°41	6°41	6°47	18°28	7° 2	13°52	8°36	7°15	7°32	10°50	W20
T 21	8 30 45	8°53'01	5♌ 3	26°44	10°D 2	3°19	6°47	6°49	18°27	7° 0	13°54	8°28	7°12	7°39	10°55	T 21
F 22	8 34 42	9°53'44	19°33	27°57	10° 4	3°58	6°53	6°51	18°25	6°59	13°56	8°19	7° 8	7°46	10°59	F 22
S 23	8 38 38	10°54'26	4♍15	29° 4	10° 9	4°37	6°59	6°52	18°24	6°58	13°58	8° 8	7° 5	7°53	11° 4	S 23
S 24	8 42 35	11°55'06	19° 1	0♓ 4	10°16	5°15	7° 5	6°54	18°23	6°56	14° 0	7°59	7° 2	7°59	11° 8	S 24
M25	8 46 31	12°55'45	3♎43	0°56	10°25	5°54	7°11	6°55	18°22	6°55	14° 2	7°51	6°59	8° 6	11°13	M25
T 26	8 50 28	13°56'23	18°14	1°39	10°37	6°33	7°17	6°57	18°20	6°53	14° 3	7°46	6°56	8°13	11°17	T 26
W27	8 54 24	14°57'00	2♏31	2°13	10°50	7°11	7°24	6°58	18°19	6°52	14° 5	7°44	6°52	8°19	11°21	W27
T 28	8 58 21	15°57'35	16°31	2°38	11° 6	7°50	7°31	6°59	18°18	6°50	14° 7	7°D43	6°49	8°26	11°26	T 28
F 29	9 2 17	16°58'10	0♐15	2°53	11°24	8°29	7°37	7° 0	18°17	6°49	14° 9	7°43	6°46	8°33	11°30	F 29
S 30	9 6 14	17°58'43	13°43	2°R57	11°44	9° 7	7°45	7° 0	18°16	6°47	14°10	7°R43	6°43	8°39	11°35	S 30
S 31	9 10 11	18♒59'15	26♐57	2♓51	12♑ 5	9♐46	7♉52	7♏ 1	18♊15	6♍45	14♑12	7♊42	6♊40	8♈46	11♒39	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s14	15s59	1n47	23s28	2s 5	16s45	5n44	17s16	0n40	12n25	1s 4	11s18	2n23	23n13	0n 9	9n45	1n 0	23s38	0s46	22n 0	21n46	2s 3	12s 4	6n 6	F 1
S 2	22 6	20 20	0 35	23 8	2 4	16 38	5 55	17 27	0 40	12 26	1 3	11 19	2 23	23 13	0 9	9 45	1 0	23 38	0 46	22 0	21 46	2 0	12 3	6 6	S 2
S 3	21 57	23 32	0s39	22 47	2 3	16 32	6 5	17 38	0 39	12 27	1 3	11 20	2 24	23 13	0 9	9 46	1 0	23 38	0 46	22 0	21 45	1 56	12 2	6 6	S 3
M 4	21 47	25 21	1 49	22 25	2 2	16 27	6 15	17 48	0 39	12 28	1 3	11 21	2 24	23 13	0 9	9 46	1 0	23 38	0 46	22 0	21 45	1 53	12 1	6 6	M 4
T 5	21 37	25 42	2 52	22 0	2 0	16 22	6 23	17 59	0 38	12 29	1 2	11 22	2 24	23 13	0 9	9 47	1 0	23 38	0 46	21 59	21 44	1 50	12 0	6 6	T 5
W 6	21 27	24 37	3 46	21 34	1 57	16 17	6 31	18 9	0 37	12 30	1 2	11 22	2 24	23 12	0 9	9 47	1 0	23 37	0 46	21 58	21 44	1 47	11 59	6 6	W 6
T 7	21 16	22 16	4 26	21 7	1 54	16 13	6 38	18 19	0 37	12 31	1 2	11 23	2 25	23 12	0 9	9 48	1 0	23 37	0 46	21 57	21 43	1 44	11 58	6 6	T 7
F 8	21 5	18 53	4 53	20 37	1 50	16 10	6 45	18 29	0 36	12 33	1 1	11 24	2 25	23 12	0 9	9 48	1 0	23 37	0 47	21 56	21 43	1 41	11 57	6 5	F 8
S 9	20 54	14 45	5 6	20 7	1 45	16 7	6 50	18 39	0 36	12 34	1 1	11 25	2 25	23 12	0 9	9 48	1 0	23 37	0 47	21 54	21 42	1 38	11 56	6 5	S 9
S 10	20 42	10 5	5 5	19 34	1 40	16 5	6 55	18 49	0 35	12 36	1 1	11 25	2 25	23 12	0 9	9 49	1 0	23 37	0 47	21 53	21 42	1 35	11 55	6 5	S 10
M11	20 30	5 6	4 50	19 0	1 34	16 3	6 59	18 59	0 34	12 37	1 1	11 26	2 25	23 12	0 9	9 49	1 0	23 37	0 47	21 52	21 41	1 32	11 54	6 5	M11
T 12	20 17	0n 1	4 23	18 25	1 28	16 1	7 2	19 8	0 34	12 39	1 0	11 27	2 26	23 12	0 9	9 50	1 0	23 37	0 47	21 51	21 41	1 29	11 53	6 5	T 12
W13	20 4	5 8	3 44	17 49	1 21	16 1	7 4	19 17	0 33	12 40	1 0	11 27	2 26	23 11	0 9	9 50	1 0	23 37	0 47	21 51	21 40	1 26	11 52	6 5	W13
T 14	19 50	10 6	2 56	17 11	1 12	16 0	7 6	19 27	0 32	12 42	1 0	11 28	2 26	23 11	0 9	9 51	1 0	23 37	0 47	21 51	21 39	1 23	11 51	6 5	T 14
F 15	19 37	14 46	2 0	16 33	1 4	16 0	7 7	19 36	0 32	12 44	0 59	11 28	2 26	23 11	0 9	9 51	1 0	23 36	0 47	21 51	21 39	1 20	11 50	6 5	F 15
S 16	19 22	18 55	0 57	15 53	0 54	16 1	7 7	19 45	0 31	12 46	0 59	11 29	2 27	23 11	0 9	9 52	1 0	23 36	0 47	21 51	21 38	1 17	11 49	6 5	S 16
S 17	19 8	22 19	0n11	15 13	0 44	16 2	7 7	19 53	0 30	12 47	0 59	11 29	2 27	23 11	0 9	9 52	1 1	23 36	0 47	21 51	21 38	1 14	11 47	6 5	S 17
M18	18 53	24 42	1 19	14 33	0 32	16 3	7 6	20 2	0 30	12 49	0 59	11 30	2 27	23 11	0 9	9 53	1 1	23 36	0 48	21 51	21 37	1 11	11 46	6 5	M18
T 19	18 38	25 46	2 25	13 53	0 20	16 5	7 5	20 11	0 29	12 51	0 58	11 30	2 27	23 11	0 9	9 54	1 1	23 36	0 48	21 50	21 37	1 8	11 45	6 5	T 19
W20	18 22	25 17	3 25	13 13	0 7	16 7	7 3	20 19	0 28	12 53	0 58	11 31	2 28	23 10	0 9	9 54	1 1	23 36	0 48	21 50	21 36	1 5	11 44	6 5	W20
T 21	18 7	23 11	4 14	12 33	0n 6	16 10	7 0	20 27	0 28	12 55	0 58	11 31	2 28	23 10	0 9	9 55	1 1	23 36	0 48	21 48	21 36	1 2	11 43	6 4	T 21
F 22	17 50	19 33	4 47	11 55	0 21	16 13	6 58	20 35	0 27	12 58	0 57	11 31	2 28	23 10	0 9	9 55	1 1	23 36	0 48	21 47	21 35	0 59	11 42	6 4	F 22
S 23	17 34	14 40	5 2	11 17	0 35	16 16	6 54	20 43	0 26	13 0	0 57	11 32	2 28	23 10	0 9	9 56	1 1	23 36	0 48	21 45	21 35	0 56	11 41	6 4	S 23
S 24	17 17	8 55	4 58	10 42	0 51	16 19	6 51	20 51	0 25	13 2	0 57	11 32	2 28	23 10	0 9	9 56	1 1	23 36	0 48	21 44	21 34	0 52	11 39	6 4	S 24
M25	17 0	2 42	4 33	10 9	1 7	16 22	6 46	20 58	0 25	13 4	0 57	11 32	2 29	23 10	0 9	9 57	1 1	23 35	0 48	21 42	21 34	0 49	11 38	6 4	M25
T 26	16 43	3s37	3 51	9 38	1 23	16 26	6 42	21 6	0 24	13 7	0 56	11 32	2 29	23 10	0 9	9 57	1 1	23 35	0 48	21 42	21 33	0 46	11 37	6 4	T 26
W27	16 25	9 39	2 56	9 11	1 39	16 29	6 37	21 13	0 23	13 9	0 56	11 33	2 29	23 10	0 9	9 58	1 1	23 35	0 48	21 41	21 33	0 43	11 36	6 4	W27
T 28	16 7	15 5	1 50	8 47	1 55	16 33	6 32	21 20	0 22	13 11	0 56	11 33	2 29	23 10	0 9	9 59	1 1	23 35	0 49	21 41	21 32	0 40	11 35	6 4	T 28
F 29	15 49	19 38	0 40	8 27	2 11	16 37	6 27	21 27	0 21	13 14	0 56	11 33	2 30	23 10	0 9	9 59	1 1	23 35	0 49	21 41	21 32	0 37	11 33	6 4	F 29
S 30	15 30	23 4	0s32	8 11	2 27	16 41	6 22	21 34	0 21	13 16	0 55	11 33	2 30	23 9	0 9	10 0	1 1	23 35	0 49	21 41	21 31	0 34	11 32	6 4	S 30
S 31	15s11	25s10	1s40	7s59	2n42	16s44	6n16	21s41	0n20	13n19	0s55	11s33	2n30	23n 9	0n 9	10n 0	1n 1	23s35	0s49	21n41	21n30	0s31	11s31	6n 4	S 31

Julian Day Number = 2187482.5, Delta T = 11m01s
Ecliptic obliquity = 23°32'02, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'26, Lahiri = 13°46'27 Julian Calendar 1 Jan. 1277 == Greg. Calendar 8 Jan. 1277

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

FEBRUARY 1277 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 14 7	19♒59'45	9♉59	2°R35	12♉29	10♐25	7♉59	7♏ 2	18°R15	6°R44	14♉14	7°R38	6♊37	8♈53	11♒44	M 1
T 2	9 18 4	21° 0'14	22°49	2♓ 9	12°54	11° 3	8° 7	7° 2	18♊14	6♍42	14°16	7♊31	6°33	9° 0	11°48	T 2
W 3	9 22 0	22° 0'42	5♒30	1°34	13°21	11°42	8°14	7° 3	18°13	6°41	14°17	7°21	6°30	9° 6	11°52	W 3
T 4	9 25 57	23° 1'07	18° 0	0°51	13°49	12°20	8°22	7° 3	18°12	6°39	14°19	7° 8	6°27	9°13	11°57	T 4
F 5	9 29 53	24° 1'31	0♓20	0° 0	14°20	12°59	8°30	7° 3	18°12	6°37	14°21	6°54	6°24	9°20	12° 1	F 5
S 6	9 33 50	25° 1'54	12°31	29♒ 4	14°51	13°37	8°38	7° 3	18°11	6°36	14°22	6°40	6°21	9°26	12° 6	S 6
S 7	9 37 46	26° 2'14	24°33	28° 3	15°24	14°16	8°46	7°R 3	18°10	6°34	14°24	6°27	6°18	9°33	12°10	S 7
M 8	9 41 43	27° 2'33	6♈28	27° 0	15°59	14°54	8°55	7° 3	18°10	6°33	14°25	6°16	6°14	9°40	12°14	M 8
T 9	9 45 40	28° 2'49	18°18	25°56	16°35	15°33	9° 3	7° 3	18° 9	6°31	14°27	6° 7	6°11	9°46	12°19	T 9
W10	9 49 36	29° 3'04	0♉ 6	24°52	17°12	16°11	9°12	7° 3	18° 9	6°29	14°29	6° 1	6° 8	9°53	12°23	W10
T 11	9 53 33	0♓ 3'17	11°58	23°50	17°50	16°50	9°21	7° 3	18° 9	6°28	14°30	5°58	6° 5	10° 0	12°27	T 11
F 12	9 57 29	1° 3'27	23°57	22°51	18°29	17°28	9°30	7° 2	18° 8	6°26	14°32	5°57	6° 2	10° 7	12°32	F 12
S 13	10 1 26	2° 3'36	6♊ 9	21°57	19°10	18° 6	9°39	7° 1	18° 8	6°24	14°33	5°57	5°58	10°13	12°36	S 13
S 14	10 5 22	3° 3'42	18°39	21° 8	19°52	18°45	9°48	7° 1	18° 8	6°23	14°35	5°57	5°55	10°20	12°40	S 14
M15	10 9 19	4° 3'47	1♋33	20°24	20°34	19°23	9°57	7° 0	18° 8	6°21	14°36	5°55	5°52	10°27	12°44	M15
T 16	10 13 15	5° 3'49	14°54	19°47	21°18	20° 1	10° 6	6°59	18° 8	6°19	14°37	5°51	5°49	10°33	12°48	T 16
W17	10 17 12	6° 3'49	28°44	19°17	22° 3	20°40	10°16	6°58	18°D 8	6°18	14°39	5°45	5°46	10°40	12°53	W17
T 18	10 21 9	7° 3'47	13♌ 4	18°53	22°49	21°18	10°26	6°57	18° 8	6°16	14°40	5°35	5°43	10°47	12°57	T 18
F 19	10 25 5	8° 3'42	27°48	18°36	23°35	21°56	10°35	6°56	18° 8	6°14	14°42	5°24	5°39	10°53	13° 1	F 19
S 20	10 29 2	9° 3'36	12♍50	18°26	24°23	22°34	10°45	6°54	18° 8	6°13	14°43	5°13	5°36	11° 0	13° 5	S 20
S 21	10 32 58	10° 3'27	27°59	18°D22	25°11	23°13	10°55	6°53	18° 8	6°11	14°44	5° 2	5°33	11° 7	13° 9	S 21
M22	10 36 55	11° 3'17	13♎ 5	18°24	26° 0	23°51	11° 5	6°52	18° 9	6° 9	14°45	4°53	5°30	11°14	13°13	M22
T 23	10 40 51	12° 3'05	27°58	18°32	26°50	24°29	11°16	6°50	18° 9	6° 8	14°47	4°46	5°27	11°20	13°17	T 23
W24	10 44 48	13° 2'51	12♏32	18°46	27°40	25° 7	11°26	6°48	18° 9	6° 6	14°48	4°43	5°24	11°27	13°21	W24
T 25	10 48 44	14° 2'36	26°44	19° 6	28°32	25°45	11°36	6°46	18°10	6° 4	14°49	4°41	5°20	11°34	13°25	T 25
F 26	10 52 41	15° 2'19	10♐32	19°30	29°24	26°23	11°47	6°45	18°10	6° 3	14°50	4°41	5°17	11°40	13°29	F 26
S 27	10 56 38	16° 2'00	23°57	19°59	0♒16	27° 1	11°58	6°43	18°11	6° 1	14°52	4°41	5°14	11°47	13°33	S 27
S 28	11 0 34	17♓ 1'40	7♉ 3	20♒33	1♒ 9	27♐39	12♉ 8	6♏41	18♊11	5♍59	14♉53	4♊40	5♊11	11♈54	13♒37	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14s52	25s51	2s42	7s52	2n56	16s48	6n10	21s47	0n19	13n22	0s55	11s33	2n30	23n 9	0n 9	10n 1	1n 1	23s35	0s49	21n40	21n30	0s28	11s30	6n 4
T 2	14 33	25 7	3 35	7 49	3 8	16 52	6 4	21 53	0 18	13 24	0 55	11 33	2 31	23 9	0 9	10 2	1 1	23 35	0 49	21 39	21 29	0 25	11 29	6 4
W 3	14 14	23 6	4 16	7 51	3 19	16 56	5 58	21 59	0 17	13 27	0 54	11 33	2 31	23 9	0 9	10 2	1 1	23 35	0 49	21 37	21 29	0 22	11 27	6 4
T 4	13 54	19 59	4 44	7 58	3 29	16 59	5 51	22 5	0 16	13 30	0 54	11 33	2 31	23 9	0 9	10 3	1 1	23 35	0 49	21 35	21 28	0 19	11 26	6 5
F 5	13 34	16 2	4 58	8 8	3 36	17 3	5 45	22 11	0 16	13 33	0 54	11 32	2 31	23 9	0 9	10 4	1 1	23 35	0 49	21 33	21 28	0 16	11 25	6 5
S 6	13 14	11 29	4 58	8 23	3 42	17 6	5 38	22 17	0 15	13 35	0 54	11 32	2 32	23 9	0 9	10 4	1 1	23 35	0 49	21 31	21 27	0 13	11 24	6 5
S 7	12 53	6 32	4 45	8 41	3 45	17 9	5 31	22 22	0 14	13 38	0 53	11 32	2 32	23 9	0 9	10 5	1 1	23 34	0 50	21 28	21 27	0 10	11 22	6 5
M 8	12 33	1 24	4 20	9 1	3 46	17 12	5 25	22 28	0 13	13 41	0 53	11 32	2 32	23 9	0 9	10 5	1 1	23 34	0 50	21 26	21 26	0 6	11 21	6 5
T 9	12 12	3n45	3 44	9 24	3 45	17 15	5 18	22 33	0 12	13 44	0 53	11 31	2 32	23 9	0 9	10 6	1 1	23 34	0 50	21 25	21 26	0 3	11 20	6 5
W10	11 51	8 47	2 57	9 48	3 41	17 17	5 11	22 38	0 11	13 47	0 53	11 31	2 32	23 9	0 9	10 7	1 1	23 34	0 50	21 24	21 25	0 0	11 19	6 5
T 11	11 30	13 32	2 3	10 14	3 36	17 19	5 4	22 43	0 10	13 50	0 52	11 31	2 33	23 9	0 9	10 7	1 1	23 34	0 50	21 23	21 24	0n 3	11 17	6 5
F 12	11 8	17 49	1 3	10 40	3 29	17 21	4 57	22 47	0 9	13 53	0 52	11 30	2 33	23 9	0 9	10 8	1 1	23 34	0 50	21 23	21 24	0 6	11 16	6 5
S 13	10 47	21 26	0n 1	11 6	3 20	17 23	4 50	22 52	0 8	13 56	0 52	11 30	2 33	23 9	0 9	10 9	1 1	23 34	0 50	21 23	21 23	0 9	11 15	6 5
S 14	10 25	24 9	1 7	11 31	3 10	17 24	4 42	22 56	0 7	13 59	0 52	11 30	2 33	23 9	0 9	10 9	1 1	23 34	0 50	21 23	21 23	0 12	11 14	6 5
M15	10 3	25 42	2 11	11 55	2 58	17 25	4 35	23 0	0 6	14 3	0 51	11 29	2 34	23 9	0 9	10 10	1 1	23 34	0 50	21 23	21 22	0 15	11 12	6 5
T 16	9 42	25 51	3 10	12 19	2 46	17 26	4 28	23 4	0 5	14 6	0 51	11 29	2 34	23 9	0 9	10 10	1 1	23 34	0 51	21 22	21 22	0 18	11 11	6 6
W17	9 19	24 25	4 0	12 41	2 33	17 26	4 21	23 8	0 4	14 9	0 51	11 28	2 34	23 9	0 9	10 11	1 1	23 34	0 51	21 21	21 21	0 21	11 10	6 6
T 18	8 57	21 23	4 38	13 1	2 19	17 26	4 13	23 12	0 3	14 12	0 51	11 27	2 34	23 9	0 9	10 12	1 1	23 34	0 51	21 19	21 21	0 24	11 9	6 6
F 19	8 35	16 56	4 57	13 19	2 6	17 25	4 6	23 15	0 2	14 15	0 51	11 27	2 34	23 9	0 9	10 12	1 1	23 34	0 51	21 17	21 20	0 27	11 7	6 6
S 20	8 12	11 21	4 57	13 36	1 52	17 24	3 59	23 19	0 1	14 19	0 50	11 26	2 35	23 9	0 9	10 13	1 1	23 34	0 51	21 15	21 19	0 31	11 6	6 6
S 21	7 50	5 2	4 37	13 51	1 37	17 23	3 52	23 22	0s 0	14 22	0 50	11 26	2 35	23 9	0 9	10 14	1 1	23 34	0 51	21 13	21 19	0 34	11 5	6 6
M22	7 27	1s33	3 57	14 3	1 23	17 21	3 44	23 25	0 1	14 25	0 50	11 25	2 35	23 9	0 9	10 14	1 1	23 34	0 51	21 12	21 18	0 37	11 4	6 6
T 23	7 4	7 59	3 1	14 14	1 9	17 19	3 37	23 27	0 2	14 29	0 50	11 24	2 35	23 9	0 9	10 15	1 1	23 34	0 51	21 10	21 18	0 40	11 2	6 6
W24	6 41	13 51	1 54	14 23	0 56	17 17	3 30	23 30	0 3	14 32	0 50	11 23	2 36	23 9	0 9	10 15	1 1	23 34	0 51	21 10	21 17	0 43	11 1	6 7
T 25	6 18	18 49	0 42	14 29	0 42	17 14	3 23	23 33	0 5	14 36	0 49	11 23	2 36	23 9	0 9	10 16	1 1	23 34	0 52	21 10	21 17	0 46	11 0	6 7
F 26	5 55	22 37	0s31	14 34	0 29	17 10	3 16	23 35	0 6	14 39	0 49	11 22	2 36	23 9	0 9	10 17	1 1	23 34	0 52	21 10	21 16	0 49	10 58	6 7
S 27	5 32	25 4	1 40	14 37	0 16	17 6	3 9	23 37	0 7	14 42	0 49	11 21	2 36	23 9	0 9	10 17	1 1	23 34	0 52	21 9	21 15	0 52	10 57	6 7
S 28	5s 9	26s 3	2s42	14s38	0n 4	17s 2	3n 2	23s39	0s 8	14n46	0s49	11s20	2n36	23n 9	0n 9	10n18	1n 1	23s34	0s52	21n 9	21n15	0n55	10s56	6n 7

Julian Day Number = 2187513.5, Delta T = 11m00s
Ecliptic obliquity = 23°32'03, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'31, Lahiri = 13°46'31 Julian Calendar 1 Feb. 1277 == Greg. Calendar 8 Feb. 1277

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

MARCH 1277 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 4 31	18♓ 1'17	19♉53	21♒11	2♒ 3	28♐17	12♉19	6°R38	18♊12	5°R58	14♉54	4°R36	5♊ 8	12♈ 0	13♒41	M 1
T 2	11 8 27	19° 0'53	2♒29	21°52	2°58	28°55	12°30	6♏36	18°13	5♍56	14°55	4♊29	5° 4	12° 7	13°45	T 2
W 3	11 12 24	20° 0'27	14°53	22°38	3°53	29°33	12°41	6°34	18°13	5°55	14°56	4°20	5° 1	12°14	13°49	W 3
T 4	11 16 20	20°59'59	27° 8	23°27	4°48	0♉11	12°52	6°31	18°14	5°53	14°57	4° 8	4°58	12°21	13°52	T 4
F 5	11 20 17	21°59'29	9♓16	24°19	5°44	0°49	13° 3	6°29	18°15	5°51	14°58	3°55	4°55	12°27	13°56	F 5
S 6	11 24 13	22°58'57	21°17	25°14	6°41	1°27	13°15	6°26	18°16	5°50	14°59	3°41	4°52	12°34	14° 0	S 6
S 7	11 28 10	23°58'23	3♈12	26°12	7°38	2° 5	13°26	6°24	18°17	5°48	15° 0	3°29	4°49	12°41	14° 3	S 7
M 8	11 32 7	24°57'47	15° 3	27°13	8°35	2°42	13°38	6°21	18°18	5°47	15° 1	3°18	4°45	12°47	14° 7	M 8
T 9	11 36 3	25°57'09	26°52	28°17	9°33	3°20	13°49	6°18	18°19	5°45	15° 2	3° 9	4°42	12°54	14°11	T 9
W10	11 40 0	26°56'28	8♉41	29°23	10°31	3°58	14° 1	6°15	18°20	5°44	15° 3	3° 4	4°39	13° 1	14°14	W10
T 11	11 43 56	27°55'46	20°33	0♓31	11°30	4°35	14°13	6°12	18°21	5°42	15° 3	3° 1	4°36	13° 7	14°18	T 11
F 12	11 47 53	28°55'01	2♊33	1°42	12°29	5°13	14°24	6° 9	18°22	5°40	15° 4	3°D 0	4°33	13°14	14°21	F 12
S 13	11 51 49	29°54'13	14°44	2°54	13°29	5°50	14°36	6° 6	18°23	5°39	15° 5	3° 0	4°29	13°21	14°25	S 13
S 14	11 55 46	0♈53'24	27°11	4° 9	14°29	6°28	14°48	6° 3	18°25	5°37	15° 6	3°R 1	4°26	13°27	14°28	S 14
M15	11 59 42	1°52'32	10♋ 0	5°26	15°29	7° 5	15° 0	6° 0	18°26	5°36	15° 7	3° 1	4°23	13°34	14°31	M15
T 16	12 3 39	2°51'38	23°15	6°45	16°29	7°43	15°12	5°56	18°27	5°35	15° 7	2°59	4°20	13°41	14°35	T 16
W17	12 7 35	3°50'41	7♌ 0	8° 5	17°30	8°20	15°25	5°53	18°29	5°33	15° 8	2°55	4°17	13°48	14°38	W17
T 18	12 11 32	4°49'42	21°14	9°27	18°31	8°57	15°37	5°49	18°30	5°32	15° 9	2°48	4°14	13°54	14°41	T 18
F 19	12 15 29	5°48'41	5♍55	10°51	19°33	9°35	15°49	5°46	18°32	5°30	15° 9	2°40	4°10	14° 1	14°44	F 19
S 20	12 19 25	6°47'37	20°59	12°17	20°35	10°12	16° 2	5°42	18°34	5°29	15°10	2°32	4° 7	14° 8	14°47	S 20
S 21	12 23 22	7°46'31	6♎15	13°45	21°37	10°49	16°14	5°39	18°35	5°28	15°10	2°24	4° 4	14°14	14°51	S 21
M22	12 27 18	8°45'24	21°32	15°14	22°39	11°26	16°27	5°35	18°37	5°26	15°11	2°17	4° 1	14°21	14°54	M22
T 23	12 31 15	9°44'14	6♏41	16°45	23°42	12° 3	16°39	5°31	18°39	5°25	15°11	2°12	3°58	14°28	14°57	T 23
W24	12 35 11	10°43'02	21°32	18°17	24°45	12°40	16°52	5°27	18°40	5°24	15°12	2°10	3°55	14°34	14°59	W24
T 25	12 39 8	11°41'49	5♐58	19°51	25°48	13°17	17° 4	5°23	18°42	5°22	15°12	2°D 9	3°51	14°41	15° 2	T 25
F 26	12 43 4	12°40'34	19°58	21°27	26°51	13°54	17°17	5°19	18°44	5°21	15°13	2°10	3°48	14°48	15° 5	F 26
S 27	12 47 1	13°39'17	3♑32	23° 4	27°55	14°30	17°30	5°15	18°46	5°20	15°13	2°11	3°45	14°54	15° 8	S 27
S 28	12 50 58	14°37'59	16°40	24°43	28°59	15° 7	17°43	5°11	18°48	5°19	15°14	2°R12	3°42	15° 1	15°11	S 28
M29	12 54 54	15°36'39	29°28	26°24	0♓ 3	15°44	17°56	5° 7	18°50	5°17	15°14	2°11	3°39	15° 8	15°14	M29
T 30	12 58 51	16°35'17	11♒59	28° 6	1° 7	16°20	18° 9	5° 3	18°52	5°16	15°14	2° 8	3°35	15°15	15°16	T 30
W31	13 2 47	17♈33'53	24♒15	29♓50	2♓12	16♑57	18♉22	4♏59	18♊54	5♍15	15♑14	2♊ 3	3♊32	15♈21	15♒19	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4s45	25s36	3s35	14s37	0s 8	16s57	2n54	23s41	0s 9	14n49	0s49	11s19	2n37	23n 9	0n 9	10n19	1n 1	23s34	0s52	21n 9	21n14	0n58	10s55	6n 7
T 2	4 22	23 50	4 16	14 35	0 20	16 51	2 47	23 42	0 10	14 53	0 48	11 18	2 37	23 9	0 9	10 19	1 1	23 34	0 52	21 7	21 14	1 2	10 53	6 8
W 3	3 58	20 57	4 44	14 30	0 31	16 46	2 40	23 44	0 12	14 57	0 48	11 17	2 37	23 9	0 9	10 20	1 1	23 34	0 52	21 6	21 13	1 5	10 52	6 8
T 4	3 35	17 11	4 59	14 24	0 41	16 39	2 34	23 45	0 13	15 0	0 48	11 16	2 37	23 9	0 9	10 20	1 1	23 34	0 52	21 3	21 13	1 8	10 51	6 8
F 5	3 11	12 45	5 0	14 16	0 51	16 32	2 27	23 46	0 14	15 4	0 48	11 16	2 37	23 9	0 9	10 21	1 1	23 34	0 52	21 1	21 12	1 11	10 50	6 8
S 6	2 48	7 52	4 47	14 7	1 1	16 25	2 20	23 47	0 15	15 7	0 48	11 14	2 37	23 10	0 9	10 21	1 1	23 34	0 53	20 58	21 11	1 14	10 48	6 9
S 7	2 24	2 44	4 22	13 56	1 10	16 17	2 13	23 48	0 17	15 11	0 47	11 13	2 38	23 10	0 9	10 22	1 1	23 34	0 53	20 56	21 11	1 17	10 47	6 9
M 8	2 1	2n29	3 46	13 43	1 18	16 9	2 6	23 48	0 18	15 14	0 47	11 12	2 38	23 10	0 9	10 23	1 1	23 34	0 53	20 54	21 10	1 20	10 46	6 9
T 9	1 37	7 36	3 0	13 28	1 27	16 0	2 0	23 49	0 19	15 18	0 47	11 11	2 38	23 10	0 9	10 23	1 1	23 34	0 53	20 52	21 10	1 23	10 45	6 9
W10	1 13	12 28	2 6	13 12	1 34	15 51	1 53	23 49	0 21	15 22	0 47	11 10	2 38	23 10	0 9	10 24	1 1	23 34	0 53	20 51	21 9	1 26	10 44	6 9
T 11	0 50	16 54	1 6	12 55	1 41	15 41	1 47	23 49	0 22	15 25	0 47	11 9	2 38	23 10	0 9	10 24	1 1	23 34	0 53	20 51	21 9	1 29	10 42	6 10
F 12	0 26	20 43	0 2	12 36	1 48	15 31	1 40	23 49	0 23	15 29	0 46	11 8	2 38	23 10	0 9	10 25	1 1	23 34	0 53	20 50	21 8	1 33	10 41	6 10
S 13	0 2	23 41	1n 2	12 15	1 54	15 21	1 34	23 49	0 25	15 33	0 46	11 7	2 39	23 10	0 9	10 25	1 1	23 34	0 53	20 51	21 7	1 36	10 40	6 10
S 14	0n21	25 36	2 5	11 53	2 0	15 9	1 28	23 49	0 26	15 36	0 46	11 6	2 39	23 10	0 9	10 26	1 1	23 34	0 53	20 51	21 7	1 39	10 39	6 10
M15	0 45	26 13	3 4	11 30	2 5	14 58	1 21	23 48	0 28	15 40	0 46	11 4	2 39	23 10	0 9	10 27	1 1	23 34	0 54	20 51	21 6	1 42	10 38	6 11
T 16	1 9	25 23	3 55	11 5	2 10	14 46	1 15	23 48	0 29	15 44	0 46	11 3	2 39	23 11	0 9	10 27	1 1	23 34	0 54	20 50	21 6	1 45	10 36	6 11
W17	1 32	23 1	4 35	10 38	2 14	14 33	1 9	23 47	0 31	15 48	0 46	11 2	2 39	23 11	0 9	10 28	1 1	23 34	0 54	20 49	21 5	1 48	10 35	6 11
T 18	1 56	19 12	4 59	10 11	2 18	14 20	1 3	23 46	0 32	15 51	0 45	11 1	2 39	23 11	0 9	10 28	1 1	23 34	0 54	20 48	21 4	1 51	10 34	6 11
F 19	2 19	14 5	5 5	9 41	2 21	14 7	0 57	23 45	0 34	15 55	0 45	10 59	2 39	23 11	0 9	10 29	1 1	23 34	0 54	20 47	21 4	1 54	10 33	6 12
S 20	2 42	8 1	4 50	9 11	2 23	13 53	0 51	23 43	0 35	15 59	0 45	10 58	2 40	23 11	0 9	10 29	1 1	23 34	0 54	20 45	21 3	1 57	10 32	6 12
S 21	3 6	1 24	4 14	8 39	2 26	13 38	0 46	23 42	0 37	16 3	0 45	10 57	2 40	23 11	0 9	10 30	1 1	23 34	0 54	20 43	21 3	2 0	10 31	6 12
M22	3 29	5s20	3 20	8 6	2 27	13 23	0 40	23 40	0 38	16 6	0 45	10 55	2 40	23 11	0 9	10 30	1 1	23 34	0 54	20 42	21 2	2 4	10 29	6 13
T 23	3 52	11 43	2 12	7 32	2 28	13 8	0 34	23 39	0 40	16 10	0 45	10 54	2 40	23 12	0 9	10 31	1 1	23 34	0 55	20 41	21 1	2 7	10 28	6 13
W24	4 16	17 18	0 57	6 56	2 29	12 52	0 29	23 37	0 41	16 14	0 44	10 53	2 40	23 12	0 9	10 31	1 1	23 34	0 55	20 41	21 1	2 10	10 27	6 13
T 25	4 39	21 44	0s21	6 19	2 29	12 36	0 23	23 35	0 43	16 18	0 44	10 51	2 40	23 12	0 9	10 32	1 1	23 34	0 55	20 41	21 0	2 13	10 26	6 13
F 26	5 2	24 43	1 35	5 41	2 29	12 20	0 18	23 33	0 45	16 21	0 44	10 50	2 40	23 12	0 9	10 32	1 1	23 34	0 55	20 41	21 0	2 16	10 25	6 14
S 27	5 25	26 10	2 41	5 1	2 28	12 3	0 13	23 30	0 46	16 25	0 44	10 48	2 40	23 12	0 9	10 32	1 1	23 34	0 55	20 41	20 59	2 19	10 24	6 14
S 28	5 47	26 4	3 37	4 21	2 27	11 45	0 8	23 28	0 48	16 29	0 44	10 47	2 40	23 12	0 9	10 33	1 1	23 34	0 55	20 41	20 58	2 22	10 23	6 14
M29	6 10	24 34	4 20	3 39	2 25	11 27	0 3	23 25	0 50	16 33	0 44	10 46	2 41	23 13	0 9	10 33	1 1	23 35	0 55	20 41	20 58	2 25	10 22	6 15
T 30	6 33	21 54	4 50	2 56	2 22	11 9	0s 2	23 23	0 51	16 36	0 44	10 44	2 41	23 13	0 9	10 34	1 1	23 35	0 55	20 40	20 57	2 29	10 21	6 15
W31	6n55	18s17	5s 6	2s12	2s19	10s51	0s 7	23s20	0s53	16n40	0s43	10s43	2n41	23n13	0n 9	10n34	1n 1	23s35	0s56	20n39	20n57	2n32	10s20	6n15

Julian Day Number = 2187541.5, Delta T = 11m00s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'35, Lahiri = 13°46'35 Julian Calendar 1 March 1277 == Greg. Calendar 8 March 1277

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

APRIL 1277 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 6 44	18♈32'28	6♓21	1♈35	3♓17	17♉33	18♉35	4°R55	18♊56	5°R14	15♉15	1°R56	3♊29	15♈28	15♒21	T 1
F 2	13 10 40	19°31'01	18°20	3°22	4°22	18° 9	18°48	4♏50	18°58	5♍13	15°15	1♊48	3°26	15°35	15°24	F 2
S 3	13 14 37	20°29'32	0♈14	5°11	5°27	18°46	19° 1	4°46	19° 1	5°12	15°15	1°40	3°23	15°41	15°26	S 3
S 4	13 18 33	21°28'01	12° 4	7° 1	6°32	19°22	19°14	4°42	19° 3	5°11	15°15	1°33	3°20	15°48	15°29	S 4
M 5	13 22 30	22°26'28	23°54	8°53	7°38	19°58	19°28	4°38	19° 5	5°10	15°15	1°26	3°16	15°55	15°31	M 5
T 6	13 26 27	23°24'54	5♉44	10°47	8°43	20°34	19°41	4°33	19° 7	5° 9	15°15	1°22	3°13	16° 1	15°33	T 6
W 7	13 30 23	24°23'17	17°37	12°42	9°49	21°10	19°54	4°29	19°10	5° 8	15°16	1°19	3°10	16° 8	15°36	W 7
T 8	13 34 20	25°21'39	29°34	14°39	10°55	21°45	20° 8	4°24	19°12	5° 7	15°16	1°D18	3° 7	16°15	15°38	T 8
F 9	13 38 16	26°19'58	11♊40	16°37	12° 1	22°21	20°21	4°20	19°15	5° 6	15°R16	1°18	3° 4	16°21	15°40	F 9
S 10	13 42 13	27°18'16	23°56	18°37	13° 8	22°57	20°35	4°15	19°17	5° 5	15°16	1°20	3° 1	16°28	15°42	S 10
S 11	13 46 9	28°16'32	6♋27	20°39	14°14	23°32	20°48	4°11	19°20	5° 4	15°16	1°21	2°57	16°35	15°44	S 11
M12	13 50 6	29°14'45	19°17	22°42	15°21	24° 8	21° 2	4° 6	19°22	5° 3	15°15	1°23	2°54	16°41	15°46	M12
T 13	13 54 2	0♌12'57	2♌29	24°46	16°28	24°43	21°15	4° 2	19°25	5° 2	15°15	1°R23	2°51	16°48	15°48	T 13
W14	13 57 59	1°11'06	16° 6	26°52	17°34	25°18	21°29	3°57	19°27	5° 2	15°15	1°22	2°48	16°55	15°50	W14
T 15	14 1 56	2° 9'14	0♍ 9	28°59	18°41	25°53	21°43	3°53	19°30	5° 1	15°15	1°20	2°45	17° 2	15°51	T 15
F 16	14 5 52	3° 7'19	14°37	1♎ 7	19°49	26°28	21°56	3°48	19°33	5° 0	15°15	1°17	2°41	17° 8	15°53	F 16
S 17	14 9 49	4° 5'22	29°27	3°16	20°56	27° 3	22°10	3°44	19°35	4°59	15°15	1°13	2°38	17°15	15°55	S 17
S 18	14 13 45	5° 3'24	14♎33	5°26	22° 3	27°37	22°24	3°39	19°38	4°59	15°14	1°10	2°35	17°22	15°56	S 18
M19	14 17 42	6° 1'23	29°45	7°36	23°11	28°12	22°37	3°35	19°41	4°58	15°14	1° 7	2°32	17°28	15°58	M19
T 20	14 21 38	6°59'22	14♏53	9°46	24°18	28°47	22°51	3°30	19°44	4°58	15°14	1° 5	2°29	17°35	15°59	T 20
W21	14 25 35	7°57'18	29°48	11°56	25°26	29°21	23° 5	3°26	19°47	4°57	15°14	1°D 4	2°26	17°42	16° 1	W21
T 22	14 29 31	8°55'13	14♐23	14° 6	26°34	29°55	23°19	3°21	19°50	4°56	15°13	1° 4	2°22	17°48	16° 2	T 22
F 23	14 33 28	9°53'07	28°33	16°16	27°42	0♒29	23°32	3°17	19°53	4°56	15°13	1° 6	2°19	17°55	16° 3	F 23
S 24	14 37 25	10°51'00	12♑16	18°24	28°50	1° 3	23°46	3°13	19°56	4°55	15°12	1° 7	2°16	18° 2	16° 5	S 24
S 25	14 41 21	11°48'51	25°33	20°31	29°58	1°37	24° 0	3° 8	19°58	4°55	15°12	1° 8	2°13	18° 8	16° 6	S 25
M26	14 45 18	12°46'41	8♒26	22°37	1♈ 6	2°11	24°14	3° 4	20° 1	4°55	15°11	1°R 9	2°10	18°15	16° 7	M26
T 27	14 49 14	13°44'29	20°58	24°41	2°15	2°44	24°28	2°59	20° 5	4°54	15°11	1° 9	2° 7	18°22	16° 8	T 27
W28	14 53 11	14°42'17	3♓13	26°43	3°23	3°17	24°42	2°55	20° 8	4°54	15°10	1° 8	2° 3	18°28	16° 9	W28
T 29	14 57 7	15°40'03	15°16	28°43	4°32	3°51	24°56	2°51	20°11	4°54	15°10	1° 6	2° 0	18°35	16°10	T 29
F 30	15 1 4	16♉37'48	27♓11	0♊41	5♈40	4♒23	25♉10	2♏46	20♊14	4♍53	15♑ 9	1♊ 4	1♊57	18♈42	16♒11	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n18	13s58	5s 7	1s27	2s16	10s32	0s12	23s17	0s55	16n44	0s43	10s41	2n41	23n13	0n 9	10n35	1n 1	23s35	0s56	20n38	20n56	2n35	10s18	6n16
F 2	7 40	9 10	4 56	0 40	2 12	10 12	0 17	23 14	0 57	16 48	0 43	10 40	2 41	23 13	0 9	10 35	1 1	23 35	0 56	20 36	20 55	2 38	10 17	6 16
S 3	8 2	4 3	4 31	0n 7	2 8	9 53	0 21	23 11	0 58	16 51	0 43	10 38	2 41	23 13	0 9	10 35	1 1	23 35	0 56	20 35	20 55	2 41	10 16	6 16
S 4	8 24	1n11	3 55	0 55	2 3	9 33	0 26	23 7	1 0	16 55	0 43	10 37	2 41	23 14	0 9	10 36	1 1	23 35	0 56	20 33	20 54	2 44	10 15	6 17
M 5	8 46	6 23	3 9	1 45	1 57	9 12	0 30	23 4	1 2	16 59	0 43	10 35	2 41	23 14	0 9	10 36	1 1	23 35	0 56	20 32	20 54	2 47	10 14	6 17
T 6	9 8	11 22	2 15	2 35	1 51	8 52	0 34	23 0	1 4	17 3	0 43	10 34	2 41	23 14	0 9	10 36	1 1	23 35	0 56	20 31	20 53	2 50	10 13	6 17
W 7	9 29	15 58	1 14	3 26	1 44	8 31	0 39	22 57	1 6	17 6	0 42	10 32	2 41	23 14	0 9	10 37	1 1	23 35	0 56	20 30	20 52	2 53	10 12	6 18
T 8	9 51	19 59	0 9	4 18	1 38	8 9	0 43	22 53	1 8	17 10	0 42	10 31	2 41	23 14	0 9	10 37	1 1	23 36	0 56	20 30	20 52	2 57	10 12	6 18
F 9	10 12	23 12	0n56	5 10	1 30	7 48	0 47	22 49	1 10	17 14	0 42	10 29	2 41	23 15	0 9	10 37	1 1	23 36	0 57	20 30	20 51	3 0	10 11	6 18
S 10	10 33	25 24	2 1	6 4	1 22	7 26	0 50	22 45	1 12	17 17	0 42	10 28	2 41	23 15	0 9	10 38	1 1	23 36	0 57	20 30	20 51	3 3	10 10	6 19
S 11	10 54	26 23	3 0	6 57	1 14	7 4	0 54	22 41	1 14	17 21	0 42	10 26	2 41	23 15	0 9	10 38	1 1	23 36	0 57	20 31	20 50	3 6	10 9	6 19
M12	11 15	25 59	3 53	7 52	1 5	6 41	0 58	22 37	1 16	17 25	0 42	10 25	2 41	23 15	0 9	10 38	1 1	23 36	0 57	20 31	20 49	3 9	10 8	6 19
T 13	11 36	24 8	4 34	8 46	0 56	6 19	1 2	22 32	1 18	17 28	0 42	10 23	2 41	23 15	0 9	10 39	1 1	23 36	0 57	20 31	20 49	3 12	10 7	6 20
W14	11 56	20 53	5 2	9 41	0 46	5 56	1 5	22 28	1 20	17 32	0 42	10 22	2 41	23 16	0 9	10 39	1 1	23 36	0 57	20 31	20 48	3 15	10 6	6 20
T 15	12 16	16 21	5 13	10 35	0 36	5 32	1 8	22 24	1 22	17 36	0 41	10 20	2 41	23 16	0 9	10 39	1 1	23 36	0 57	20 31	20 47	3 18	10 5	6 20
F 16	12 36	10 46	5 5	11 30	0 26	5 9	1 12	22 19	1 24	17 39	0 41	10 19	2 41	23 16	0 9	10 39	1 1	23 37	0 57	20 30	20 47	3 22	10 4	6 21
S 17	12 56	4 26	4 36	12 24	0 16	4 45	1 15	22 14	1 26	17 43	0 41	10 17	2 41	23 16	0 9	10 40	1 1	23 37	0 58	20 29	20 46	3 25	10 3	6 21
S 18	13 16	2s15	3 48	13 18	0 5	4 21	1 18	22 9	1 28	17 47	0 41	10 16	2 41	23 16	0 9	10 40	1 1	23 37	0 58	20 28	20 46	3 28	10 3	6 22
M19	13 35	8 52	2 44	14 11	0n 5	3 57	1 21	22 5	1 30	17 50	0 41	10 14	2 41	23 17	0 9	10 40	1 1	23 37	0 58	20 28	20 45	3 31	10 2	6 22
T 20	13 54	14 58	1 28	15 3	0 16	3 33	1 24	22 0	1 32	17 54	0 41	10 13	2 41	23 17	0 9	10 40	1 1	23 37	0 58	20 27	20 44	3 34	10 1	6 22
W21	14 13	20 5	0 7	15 54	0 26	3 9	1 26	21 55	1 35	17 58	0 41	10 11	2 41	23 17	0 9	10 40	1 1	23 37	0 58	20 27	20 44	3 37	10 0	6 23
T 22	14 32	23 49	1s13	16 43	0 37	2 44	1 29	21 50	1 37	18 1	0 41	10 10	2 41	23 17	0 9	10 41	1 1	23 37	0 58	20 27	20 43	3 40	10 0	6 23
F 23	14 50	25 57	2 26	17 31	0 47	2 19	1 31	21 44	1 39	18 5	0 41	10 8	2 41	23 18	0 9	10 41	1 1	23 38	0 58	20 28	20 42	3 43	9 59	6 23
S 24	15 8	26 25	3 28	18 17	0 57	1 54	1 34	21 39	1 42	18 8	0 40	10 7	2 41	23 18	0 9	10 41	1 1	23 38	0 58	20 28	20 42	3 47	9 58	6 24
S 25	15 26	25 19	4 17	19 1	1 7	1 29	1 36	21 34	1 44	18 12	0 40	10 5	2 41	23 18	0 9	10 41	1 1	23 38	0 59	20 28	20 41	3 50	9 57	6 24
M26	15 44	22 55	4 51	19 43	1 16	1 4	1 38	21 29	1 46	18 15	0 40	10 4	2 41	23 18	0 9	10 41	1 1	23 38	0 59	20 28	20 41	3 53	9 57	6 25
T 27	16 2	19 28	5 11	20 23	1 25	0 38	1 41	21 23	1 49	18 19	0 40	10 3	2 41	23 19	0 9	10 41	1 1	23 38	0 59	20 28	20 40	3 56	9 56	6 25
W28	16 19	15 16	5 16	21 0	1 33	0 13	1 43	21 18	1 51	18 22	0 40	10 1	2 40	23 19	0 9	10 41	1 1	23 39	0 59	20 28	20 39	3 59	9 55	6 25
T 29	16 36	10 31	5 6	21 35	1 41	0n13	1 44	21 12	1 53	18 26	0 40	10 0	2 40	23 19	0 9	10 42	1 1	23 39	0 59	20 28	20 39	4 2	9 55	6 26
F 30	16n52	5s27	4s44	22n 8	1n48	0n38	1s46	21s 7	1s56	18n29	0s40	9s58	2n40	23n19	0n 9	10n42	1n 1	23s39	0s59	20n27	20n38	4n 5	9s54	6n26

Julian Day Number = 2187572.5, Delta T = 11m00s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'39, Lahiri = 13°46'39 Julian Calendar 1 Apr. 1277 == Greg. Calendar 8 Apr. 1277

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

MAY 1277 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 5 0	17♉35'32	9♈ 2	2♊36	6♈49	4♒56	25♉24	2°R42	20♊17	4°R53	15°R 9	1°R 2	1♊54	18♈48	16♒12	S 1
S 2	15 8 57	18°33'14	20°51	4°29	7°58	5°29	25°38	2♏38	20°20	4♍53	15♑ 8	1♊ 0	1°51	18°55	16°12	S 2
M 3	15 12 54	19°30'56	2♉41	6°19	9° 7	6° 1	25°52	2°33	20°23	4°53	15° 7	0°59	1°47	19° 2	16°13	M 3
T 4	15 16 50	20°28'36	14°36	8° 6	10°16	6°34	26° 6	2°29	20°26	4°52	15° 7	0°58	1°44	19° 8	16°14	T 4
W 5	15 20 47	21°26'15	26°36	9°50	11°25	7° 6	26°20	2°25	20°30	4°52	15° 6	0°D57	1°41	19°15	16°14	W 5
T 6	15 24 43	22°23'53	8♊44	11°31	12°34	7°38	26°34	2°21	20°33	4°52	15° 5	0°57	1°38	19°22	16°15	T 6
F 7	15 28 40	23°21'29	21° 2	13° 9	13°43	8° 9	26°48	2°17	20°36	4°52	15° 5	0°58	1°35	19°29	16°15	F 7
S 8	15 32 36	24°19'04	3♋32	14°43	14°52	8°41	27° 2	2°13	20°40	4°52	15° 4	0°59	1°32	19°35	16°16	S 8
S 9	15 36 33	25°16'38	16°15	16°15	16° 2	9°12	27°16	2° 9	20°43	4°D52	15° 3	0°59	1°28	19°42	16°16	S 9
M10	15 40 29	26°14'11	29°14	17°44	17°11	9°43	27°30	2° 5	20°46	4°52	15° 2	1° 0	1°25	19°49	16°16	M10
T 11	15 44 26	27°11'42	12♌30	19° 9	18°21	10°14	27°44	2° 1	20°50	4°52	15° 1	1° 0	1°22	19°55	16°16	T 11
W12	15 48 23	28° 9'11	26° 6	20°32	19°30	10°44	27°58	1°57	20°53	4°52	15° 1	1°R 0	1°19	20° 2	16°16	W12
T 13	15 52 19	29° 6'40	10♍ 1	21°50	20°40	11°14	28°12	1°53	20°56	4°52	15° 0	1° 0	1°16	20° 9	16°R16	T 13
F 14	15 56 16	0♎ 4'06	24°16	23° 6	21°50	11°44	28°26	1°50	21° 0	4°53	14°59	1° 0	1°12	20°15	16°16	F 14
S 15	16 0 12	1° 1'32	8♎47	24°18	22°59	12°14	28°40	1°46	21° 3	4°53	14°58	1°D 0	1° 9	20°22	16°16	S 15
S 16	16 4 9	1°58'56	23°32	25°27	24° 9	12°44	28°54	1°43	21° 7	4°53	14°57	1° 0	1° 6	20°29	16°16	S 16
M17	16 8 5	2°56'19	8♏24	26°32	25°19	13°13	29° 8	1°39	21°10	4°53	14°56	1° 0	1° 3	20°35	16°16	M17
T 18	16 12 2	3°53'42	23°16	27°34	26°29	13°42	29°22	1°36	21°13	4°53	14°55	1° 0	1° 0	20°42	16°16	T 18
W19	16 15 58	4°51'03	8♐ 0	28°32	27°39	14°11	29°36	1°32	21°17	4°54	14°54	1°R 0	0°57	20°49	16°15	W19
T 20	16 19 55	5°48'23	22°30	29°27	28°49	14°39	29°50	1°29	21°20	4°54	14°53	1° 0	0°53	20°55	16°15	T 20
F 21	16 23 52	6°45'43	6♑40	0♋17	29°59	15° 7	0♊ 4	1°26	21°24	4°55	14°52	1° 0	0°50	21° 2	16°15	F 21
S 22	16 27 48	7°43'02	20°27	1° 4	1♉ 9	15°35	0°17	1°22	21°27	4°55	14°51	0°59	0°47	21° 9	16°14	S 22
S 23	16 31 45	8°40'21	3♒49	1°47	2°19	16° 3	0°31	1°19	21°31	4°55	14°50	0°58	0°44	21°15	16°13	S 23
M24	16 35 41	9°37'39	16°46	2°26	3°30	16°30	0°45	1°16	21°34	4°56	14°49	0°57	0°41	21°22	16°13	M24
T 25	16 39 38	10°34'56	29°22	3° 0	4°40	16°57	0°59	1°13	21°38	4°56	14°47	0°57	0°38	21°29	16°12	T 25
W26	16 43 34	11°32'13	11♓40	3°31	5°50	17°24	1°13	1°10	21°42	4°57	14°46	0°D56	0°34	21°35	16°11	W26
T 27	16 47 31	12°29'30	23°44	3°57	7° 1	17°50	1°27	1° 7	21°45	4°58	14°45	0°57	0°31	21°42	16°11	T 27
F 28	16 51 27	13°26'46	5♈38	4°19	8°11	18°16	1°41	1° 5	21°49	4°58	14°44	0°57	0°28	21°49	16°10	F 28
S 29	16 55 24	14°24'02	17°28	4°36	9°22	18°41	1°55	1° 2	21°52	4°59	14°43	0°58	0°25	21°55	16° 9	S 29
S 30	16 59 21	15°21'17	29°18	4°48	10°33	19° 6	2° 8	0°59	21°56	4°59	14°41	1° 0	0°22	22° 2	16° 8	S 30
M31	17 3 17	16♊18'33	11♉11	4♋57	11♉43	19♒31	2♊22	0♏57	21♊59	5♍ 0	14♑40	1♊ 1	0♊18	22♈ 9	16♒ 7	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 9	0s14	4s 9	22n38	1n54	1n 4	1s48	21s 1	1s58	18n33	0s40	9s57	2n40	23n19	0n 9	10n42	1n 0	23s39	0s59	20n27	20n37	4n 8	9s53	6n27
S 2	17 25	5n 1	3 24	23 5	2 0	1 30	1 50	20 56	2 1	18 36	0 40	9 56	2 40	23 20	0 9	10 42	1 0	23 39	0 59	20 27	20 37	4 12	9 53	6 27
M 3	17 41	10 6	2 30	23 29	2 4	1 56	1 51	20 50	2 3	18 40	0 40	9 54	2 40	23 20	0 9	10 42	1 0	23 39	0 59	20 26	20 36	4 15	9 52	6 27
T 4	17 56	14 51	1 29	23 52	2 9	2 21	1 52	20 44	2 6	18 43	0 39	9 53	2 40	23 20	0 9	10 42	1 0	23 40	1 0	20 26	20 35	4 18	9 52	6 28
W 5	18 12	19 5	0 24	24 11	2 12	2 47	1 54	20 39	2 9	18 46	0 39	9 52	2 40	23 20	0 9	10 42	1 0	23 40	1 0	20 26	20 35	4 21	9 51	6 28
T 6	18 27	22 33	0n43	24 28	2 15	3 13	1 55	20 33	2 11	18 50	0 39	9 50	2 40	23 21	0 9	10 42	1 0	23 40	1 0	20 26	20 34	4 24	9 51	6 29
F 7	18 41	25 3	1 49	24 43	2 16	3 39	1 56	20 27	2 14	18 53	0 39	9 49	2 40	23 21	0 9	10 42	1 0	23 40	1 0	20 26	20 34	4 27	9 50	6 29
S 8	18 56	26 20	2 51	24 56	2 17	4 5	1 57	20 22	2 17	18 56	0 39	9 48	2 39	23 21	0 9	10 42	1 0	23 40	1 0	20 26	20 33	4 30	9 50	6 29
S 9	19 10	26 16	3 46	25 6	2 17	4 31	1 58	20 16	2 19	19 0	0 39	9 47	2 39	23 21	0 9	10 42	1 0	23 41	1 0	20 26	20 32	4 33	9 49	6 30
M10	19 23	24 47	4 30	25 14	2 17	4 57	1 59	20 10	2 22	19 3	0 39	9 45	2 39	23 22	0 9	10 42	1 0	23 41	1 0	20 26	20 32	4 37	9 49	6 30
T 11	19 37	21 56	5 1	25 20	2 15	5 23	1 59	20 4	2 25	19 6	0 39	9 44	2 39	23 22	0 9	10 42	1 0	23 41	1 0	20 26	20 31	4 40	9 48	6 30
W12	19 50	17 49	5 16	25 24	2 13	5 49	2 0	19 59	2 28	19 9	0 39	9 43	2 39	23 22	0 9	10 42	1 0	23 41	1 1	20 26	20 30	4 43	9 48	6 31
T 13	20 2	12 40	5 13	25 27	2 10	6 14	2 0	19 53	2 31	19 13	0 39	9 42	2 39	23 22	0 9	10 42	1 0	23 41	1 1	20 26	20 30	4 46	9 48	6 31
F 14	20 15	6 45	4 52	25 27	2 6	6 40	2 1	19 47	2 33	19 16	0 39	9 41	2 38	23 23	0 9	10 42	1 0	23 42	1 1	20 26	20 29	4 49	9 47	6 32
S 15	20 27	0 21	4 11	25 26	2 1	7 6	2 1	19 42	2 36	19 19	0 38	9 40	2 38	23 23	0 9	10 42	1 0	23 42	1 1	20 26	20 28	4 52	9 47	6 32
S 16	20 38	6s11	3 13	25 23	1 56	7 31	2 1	19 36	2 39	19 22	0 38	9 38	2 38	23 23	0 9	10 41	1 0	23 42	1 1	20 26	20 28	4 55	9 47	6 32
M17	20 50	12 26	2 2	25 19	1 49	7 57	2 1	19 30	2 42	19 25	0 38	9 37	2 38	23 23	0 9	10 41	1 0	23 42	1 1	20 26	20 27	4 58	9 46	6 33
T 18	21 1	17 58	0 43	25 13	1 42	8 22	2 2	19 25	2 45	19 28	0 38	9 36	2 38	23 24	0 9	10 41	1 0	23 43	1 1	20 26	20 26	5 2	9 46	6 33
W19	21 11	22 22	0s39	25 6	1 34	8 47	2 1	19 19	2 48	19 31	0 38	9 35	2 38	23 24	0 9	10 41	1 0	23 43	1 1	20 26	20 26	5 5	9 46	6 34
T 20	21 22	25 16	1 57	24 58	1 26	9 12	2 1	19 14	2 51	19 34	0 38	9 34	2 37	23 24	0 9	10 41	1 0	23 43	1 1	20 26	20 25	5 8	9 45	6 34
F 21	21 31	26 27	3 5	24 48	1 16	9 37	2 1	19 8	2 54	19 37	0 38	9 33	2 37	23 24	0 9	10 41	1 0	23 43	1 2	20 26	20 24	5 11	9 45	6 34
S 22	21 41	25 57	4 1	24 38	1 6	10 2	2 1	19 3	2 58	19 40	0 38	9 33	2 37	23 24	0 9	10 41	1 0	23 44	1 2	20 26	20 24	5 14	9 45	6 35
S 23	21 50	23 57	4 42	24 26	0 55	10 27	2 0	18 58	3 1	19 43	0 38	9 32	2 37	23 25	0 9	10 40	1 0	23 44	1 2	20 26	20 23	5 17	9 45	6 35
M24	21 59	20 45	5 7	24 14	0 43	10 51	2 0	18 52	3 4	19 46	0 38	9 31	2 37	23 25	0 9	10 40	1 0	23 44	1 2	20 26	20 22	5 20	9 45	6 35
T 25	22 7	16 41	5 17	24 1	0 31	11 15	1 59	18 47	3 7	19 49	0 38	9 30	2 36	23 25	0 9	10 40	1 0	23 44	1 2	20 26	20 22	5 23	9 44	6 36
W26	22 15	12 0	5 11	23 47	0 18	11 39	1 59	18 42	3 10	19 52	0 38	9 29	2 36	23 25	0 9	10 40	1 0	23 44	1 2	20 26	20 21	5 27	9 44	6 36
T 27	22 23	6 58	4 52	23 33	0 4	12 3	1 58	18 37	3 14	19 55	0 38	9 28	2 36	23 26	0 9	10 39	1 0	23 45	1 2	20 26	20 20	5 30	9 44	6 37
F 28	22 30	1 44	4 21	23 18	0s10	12 27	1 57	18 32	3 17	19 58	0 38	9 28	2 36	23 26	0 9	10 39	1 0	23 45	1 2	20 26	20 20	5 33	9 44	6 37
S 29	22 37	3n31	3 38	23 2	0 25	12 50	1 56	18 27	3 20	20 1	0 37	9 27	2 36	23 26	0 9	10 39	1 0	23 45	1 2	20 26	20 19	5 36	9 44	6 37
S 30	22 44	8 40	2 47	22 47	0 40	13 13	1 55	18 23	3 24	20 4	0 37	9 26	2 35	23 26	0 9	10 39	1 0	23 45	1 3	20 26	20 18	5 39	9 44	6 38
M31	22n50	13n32	1s48	22n31	0s56	13n36	1s54	18s18	3s27	20n 6	0s37	9s25	2n35	23n27	0n 9	10n38	1n 0	23s46	1s 3	20n27	20n18	5n42	9s44	6n38

Julian Day Number = 2187602.5, Delta T = 11m00s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'43, Lahiri = 13°46'43 Julian Calendar 1 May 1277 == Greg. Calendar 8 May 1277

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

JUNE 1277 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 7 14	17♊15'48	23♉12	5°R 0	12♉54	19♒55	2♊36	0°R54	22♊ 3	5♍ 1	14°R39	1♊ 2	0♊15	22♈15	16°R 6	T 1
W 2	17 11 10	18°13'02	5♊22	4♋59	14° 5	20°19	2°50	0♏52	22° 7	5° 2	14♑38	1°R 2	0°12	22°22	16♒ 4	W 2
T 3	17 15 7	19°10'17	17°44	4°54	15°16	20°43	3° 3	0°50	22°10	5° 2	14°37	1° 1	0° 9	22°29	16° 3	T 3
F 4	17 19 3	20° 7'31	0♋19	4°44	16°27	21° 6	3°17	0°48	22°14	5° 3	14°35	0°59	0° 6	22°36	16° 2	F 4
S 5	17 23 0	21° 4'44	13° 8	4°30	17°38	21°28	3°31	0°46	22°17	5° 4	14°34	0°57	0° 3	22°42	16° 1	S 5
S 6	17 26 57	22° 1'57	26°11	4°12	18°48	21°51	3°44	0°44	22°21	5° 5	14°33	0°54	29♉59	22°49	15°59	S 6
M 7	17 30 53	22°59'10	9♌28	3°50	20° 0	22°12	3°58	0°42	22°24	5° 6	14°31	0°51	29°56	22°56	15°58	M 7
T 8	17 34 50	23°56'22	22°59	3°25	21°11	22°33	4°11	0°40	22°28	5° 7	14°30	0°48	29°53	23° 2	15°56	T 8
W 9	17 38 46	24°53'34	6♍43	2°56	22°22	22°54	4°25	0°38	22°32	5° 8	14°29	0°46	29°50	23° 9	15°55	W 9
T 10	17 42 43	25°50'45	20°39	2°25	23°33	23°14	4°38	0°36	22°35	5° 9	14°27	0°D45	29°47	23°16	15°53	T 10
F 11	17 46 39	26°47'55	4♎46	1°52	24°44	23°34	4°52	0°35	22°39	5°10	14°26	0°45	29°44	23°22	15°51	F 11
S 12	17 50 36	27°45'05	19° 2	1°17	25°55	23°53	5° 5	0°33	22°42	5°11	14°25	0°46	29°40	23°29	15°50	S 12
S 13	17 54 32	28°42'15	3♏25	0°41	27° 7	24°12	5°19	0°32	22°46	5°12	14°23	0°48	29°37	23°36	15°48	S 13
M14	17 58 29	29°39'25	17°53	0° 4	28°18	24°30	5°32	0°31	22°50	5°13	14°22	0°49	29°34	23°42	15°46	M14
T 15	18 2 26	0♋36'34	2♐20	29♊28	29°29	24°48	5°45	0°30	22°53	5°14	14°20	0°R49	29°31	23°49	15°44	T 15
W16	18 6 22	1°33'43	16°42	28°52	0♋41	25° 5	5°58	0°29	22°57	5°15	14°19	0°48	29°28	23°56	15°42	W16
T 17	18 10 19	2°30'52	0♑54	28°18	1°52	25°22	6°12	0°28	23° 0	5°17	14°18	0°46	29°24	24° 2	15°40	T 17
F 18	18 14 15	3°28'01	14°52	27°46	3° 4	25°38	6°25	0°27	23° 4	5°18	14°16	0°42	29°21	24° 9	15°38	F 18
S 19	18 18 12	4°25'11	28°32	27°17	4°15	25°53	6°38	0°26	23° 7	5°19	14°15	0°37	29°18	24°16	15°36	S 19
S 20	18 22 8	5°22'20	11♒50	26°50	5°27	26° 8	6°51	0°25	23°11	5°20	14°13	0°32	29°15	24°22	15°34	S 20
M21	18 26 5	6°19'30	24°47	26°27	6°38	26°22	7° 4	0°25	23°14	5°22	14°12	0°27	29°12	24°29	15°32	M21
T 22	18 30 1	7°16'40	7♓24	26° 8	7°50	26°35	7°17	0°24	23°18	5°23	14°10	0°22	29° 9	24°36	15°30	T 22
W23	18 33 58	8°13'51	19°43	25°54	9° 2	26°48	7°30	0°24	23°22	5°24	14° 9	0°19	29° 5	24°42	15°27	W23
T 24	18 37 55	9°11'02	1♈48	25°44	10°14	27° 0	7°43	0°23	23°25	5°26	14° 8	0°17	29° 2	24°49	15°25	T 24
F 25	18 41 51	10° 8'14	13°43	25°D39	11°25	27°12	7°56	0°23	23°28	5°27	14° 6	0°D17	28°59	24°56	15°23	F 25
S 26	18 45 48	11° 5'26	25°33	25°39	12°37	27°23	8° 8	0°23	23°32	5°29	14° 5	0°18	28°56	25° 2	15°20	S 26
S 27	18 49 44	12° 2'39	7♉24	25°45	13°49	27°33	8°21	0°D23	23°35	5°30	14° 3	0°19	28°53	25° 9	15°18	S 27
M28	18 53 41	12°59'52	19°20	25°56	15° 1	27°42	8°34	0°23	23°39	5°32	14° 2	0°21	28°50	25°16	15°15	M28
T 29	18 57 37	13°57'07	1♊25	26°13	16°13	27°51	8°46	0°23	23°42	5°33	14° 0	0°R21	28°46	25°22	15°13	T 29
W30	19 1 34	14♋54'22	13♊44	26♊35	17♊25	27♒58	8♊59	0♏23	23♊46	5♍35	13♑59	0♊20	28♉43	25♈29	15♒10	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n55	17n57	0s43	22n14	1s12	13n59	1s53	18s13	3s31	20n 9	0s37	9s25	2n35	23n27	0n 9	10n38	1n 0	23s46	1s 3	20n27	20n17	5n45	9s44	6n38
W 2	23 1	21 40	0n24	21 58	1 28	14 21	1 52	18 9	3 34	20 12	0 37	9 24	2 35	23 27	0 9	10 38	1 0	23 46	1 3	20 27	20 16	5 48	9 44	6 39
T 3	23 5	24 28	1 31	21 42	1 45	14 43	1 51	18 5	3 38	20 15	0 37	9 24	2 35	23 27	0 9	10 38	1 0	23 46	1 3	20 27	20 16	5 52	9 44	6 39
F 4	23 10	26 7	2 35	21 26	2 1	15 4	1 49	18 0	3 41	20 17	0 37	9 23	2 34	23 27	0 9	10 37	1 0	23 47	1 3	20 26	20 15	5 55	9 44	6 39
S 5	23 14	26 24	3 32	21 10	2 18	15 26	1 48	17 56	3 45	20 20	0 37	9 23	2 34	23 28	0 9	10 37	1 0	23 47	1 3	20 26	20 14	5 58	9 44	6 40
S 6	23 18	25 14	4 19	20 54	2 34	15 47	1 46	17 53	3 48	20 23	0 37	9 22	2 34	23 28	0 9	10 37	1 0	23 47	1 3	20 25	20 14	6 1	9 44	6 40
M 7	23 21	22 39	4 53	20 39	2 50	16 7	1 45	17 49	3 52	20 25	0 37	9 22	2 34	23 28	0 9	10 36	1 0	23 47	1 3	20 25	20 13	6 4	9 44	6 40
T 8	23 24	18 48	5 11	20 24	3 5	16 28	1 43	17 45	3 55	20 28	0 37	9 21	2 33	23 28	0 9	10 36	1 0	23 48	1 4	20 24	20 12	6 7	9 44	6 41
W 9	23 26	13 55	5 13	20 10	3 20	16 48	1 42	17 42	3 59	20 30	0 37	9 21	2 33	23 29	0 9	10 35	1 0	23 48	1 4	20 24	20 12	6 10	9 45	6 41
T 10	23 28	8 15	4 56	19 57	3 34	17 7	1 40	17 38	4 3	20 33	0 37	9 21	2 33	23 29	0 9	10 35	1 0	23 48	1 4	20 23	20 11	6 13	9 45	6 41
F 11	23 30	2 5	4 21	19 45	3 47	17 26	1 38	17 35	4 6	20 35	0 37	9 20	2 33	23 29	0 9	10 35	1 0	23 48	1 4	20 23	20 10	6 16	9 45	6 42
S 12	23 31	4s15	3 29	19 33	3 59	17 45	1 36	17 32	4 10	20 38	0 37	9 20	2 32	23 29	0 9	10 34	1 0	23 49	1 4	20 24	20 10	6 20	9 45	6 42
S 13	23 32	10 26	2 25	19 23	4 9	18 3	1 34	17 30	4 14	20 40	0 37	9 20	2 32	23 29	0 9	10 34	0 59	23 49	1 4	20 24	20 9	6 23	9 45	6 42
M14	23 32	16 6	1 10	19 13	4 19	18 21	1 33	17 27	4 18	20 43	0 37	9 20	2 32	23 30	0 9	10 33	0 59	23 49	1 4	20 24	20 8	6 26	9 46	6 43
T 15	23 32	20 51	0s 8	19 5	4 27	18 39	1 31	17 25	4 22	20 45	0 36	9 19	2 32	23 30	0 9	10 33	0 59	23 49	1 4	20 24	20 8	6 29	9 46	6 43
W16	23 31	24 17	1 26	18 59	4 33	18 56	1 28	17 22	4 25	20 47	0 36	9 19	2 31	23 30	0 9	10 32	0 59	23 50	1 4	20 24	20 7	6 32	9 46	6 43
T 17	23 31	26 9	2 37	18 53	4 38	19 12	1 26	17 20	4 29	20 50	0 36	9 19	2 31	23 30	0 9	10 32	0 59	23 50	1 4	20 24	20 6	6 35	9 46	6 43
F 18	23 29	26 18	3 38	18 49	4 42	19 28	1 24	17 18	4 33	20 52	0 36	9 19	2 31	23 30	0 9	10 32	0 59	23 50	1 5	20 23	20 6	6 38	9 47	6 44
S 19	23 28	24 51	4 24	18 47	4 43	19 44	1 22	17 17	4 37	20 54	0 36	9 19	2 31	23 31	0 9	10 31	0 59	23 50	1 5	20 22	20 5	6 41	9 47	6 44
S 20	23 25	22 1	4 55	18 46	4 44	19 59	1 20	17 15	4 41	20 57	0 36	9 19	2 30	23 31	0 9	10 31	0 59	23 51	1 5	20 21	20 4	6 45	9 48	6 44
M21	23 23	18 10	5 10	18 47	4 42	20 14	1 18	17 14	4 45	20 59	0 36	9 19	2 30	23 31	0 9	10 30	0 59	23 51	1 5	20 19	20 3	6 48	9 48	6 44
T 22	23 20	13 36	5 9	18 49	4 40	20 28	1 15	17 13	4 49	21 1	0 36	9 19	2 30	23 31	0 9	10 30	0 59	23 51	1 5	20 19	20 3	6 51	9 48	6 45
W23	23 17	8 35	4 54	18 53	4 35	20 41	1 13	17 12	4 53	21 3	0 36	9 19	2 29	23 31	0 9	10 29	0 59	23 51	1 5	20 18	20 2	6 54	9 49	6 45
T 24	23 13	3 21	4 26	18 58	4 30	20 54	1 11	17 12	4 56	21 5	0 36	9 19	2 29	23 32	0 9	10 28	0 59	23 52	1 5	20 17	20 1	6 57	9 49	6 45
F 25	23 9	1n57	3 46	19 5	4 23	21 7	1 8	17 11	5 0	21 7	0 36	9 20	2 29	23 32	0 9	10 28	0 59	23 52	1 5	20 17	20 1	7 0	9 50	6 45
S 26	23 4	7 10	2 58	19 13	4 15	21 19	1 6	17 11	5 4	21 10	0 36	9 20	2 29	23 32	0 9	10 27	0 59	23 52	1 5	20 18	20 0	7 3	9 50	6 46
S 27	22 59	12 7	2 1	19 22	4 6	21 30	1 3	17 11	5 8	21 12	0 36	9 20	2 28	23 32	0 9	10 27	0 59	23 52	1 5	20 18	19 59	7 6	9 51	6 46
M28	22 54	16 40	1 0	19 32	3 56	21 41	1 1	17 12	5 12	21 14	0 36	9 20	2 28	23 32	0 9	10 26	0 59	23 53	1 6	20 18	19 59	7 9	9 51	6 46
T 29	22 48	20 37	0n 6	19 43	3 45	21 51	0 58	17 12	5 16	21 16	0 36	9 21	2 28	23 32	0 9	10 26	0 59	23 53	1 6	20 18	19 58	7 13	9 52	6 46
W30	22n42	23n44	1n12	19n56	3s34	22n 1	0s56	17s13	5s20	21n18	0s36	9s21	2n28	23n33	0n 9	10n25	0n59	23s53	1s 6	20n18	19n57	7n16	9s52	6n47

Julian Day Number = 2187633.5, Delta T = 11m00s
Ecliptic obliquity = 23°32'03, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'47, Lahiri = 13°46'48 Julian Calendar 1 June 1277 == Greg. Calendar 8 June 1277

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

JULY 1277 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 5 30	15♋51'37	26♊19	27♊ 3	18♊38	28♒ 6	9♊11	0♏24	23♊49	5♍36	13°R57	0°R17	28♉40	25♈36	15°R 8	T 1
F 2	19 9 27	16°48'53	9♋12	27°36	19°50	28°12	9°24	0°24	23°53	5°38	13♂56	0♊12	28°37	25°42	15♒ 5	F 2
S 3	19 13 24	17°46'10	22°23	28°15	21° 2	28°17	9°36	0°25	23°56	5°40	13°55	0° 6	28°34	25°49	15° 2	S 3
S 4	19 17 20	18°43'27	5♌51	28°59	22°14	28°22	9°49	0°25	23°59	5°41	13°53	29♉58	28°30	25°56	15° 0	S 4
M 5	19 21 17	19°40'45	19°33	29°49	23°26	28°26	10° 1	0°26	24° 3	5°43	13°52	29°50	28°27	26° 2	14°57	M 5
T 6	19 25 13	20°38'03	3♍27	0♋44	24°39	28°30	10°13	0°27	24° 6	5°44	13°50	29°43	28°24	26° 9	14°54	T 6
W 7	19 29 10	21°35'22	17°29	1°45	25°51	28°32	10°25	0°28	24° 9	5°46	13°49	29°37	28°21	26°16	14°52	W 7
T 8	19 33 6	22°32'41	1♎36	2°51	27° 4	28°34	10°37	0°29	24°12	5°48	13°47	29°33	28°18	26°22	14°49	T 8
F 9	19 37 3	23°30'01	15°45	4° 2	28°16	28°35	10°49	0°30	24°16	5°50	13°46	29°31	28°15	26°29	14°46	F 9
S 10	19 40 59	24°27'21	29°55	5°18	29°28	28°R35	11° 1	0°31	24°19	5°51	13°45	29°D31	28°11	26°36	14°43	S 10
S 11	19 44 56	25°24'41	14♏ 3	6°39	0♋41	28°34	11°13	0°33	24°22	5°53	13°43	29°31	28° 8	26°42	14°40	S 11
M12	19 48 53	26°22'02	28°10	8° 4	1°54	28°32	11°24	0°34	24°25	5°55	13°42	29°R32	28° 5	26°49	14°37	M12
T 13	19 52 49	27°19'24	12♐12	9°35	3° 6	28°30	11°36	0°36	24°29	5°57	13°40	29°31	28° 2	26°56	14°34	T 13
W14	19 56 46	28°16'47	26° 8	11° 9	4°19	28°27	11°48	0°37	24°32	5°59	13°39	29°29	27°59	27° 2	14°31	W14
T 15	20 0 42	29°14'10	9♑56	12°48	5°32	28°23	11°59	0°39	24°35	6° 0	13°38	29°23	27°56	27° 9	14°28	T 15
F 16	20 4 39	0♌11'34	23°33	14°30	6°44	28°19	12°10	0°41	24°38	6° 2	13°36	29°16	27°52	27°16	14°26	F 16
S 17	20 8 35	1° 8'59	6♒56	16°16	7°57	28°13	12°22	0°43	24°41	6° 4	13°35	29° 6	27°49	27°22	14°23	S 17
S 18	20 12 32	2° 6'25	20° 3	18° 6	9°10	28° 7	12°33	0°45	24°44	6° 6	13°33	28°56	27°46	27°29	14°19	S 18
M19	20 16 29	3° 3'52	2♓52	19°58	10°23	28° 1	12°44	0°47	24°47	6° 8	13°32	28°45	27°43	27°36	14°16	M19
T 20	20 20 25	4° 1'20	15°24	21°53	11°36	27°53	12°55	0°49	24°50	6°10	13°31	28°36	27°40	27°42	14°13	T 20
W21	20 24 22	4°58'49	27°40	23°50	12°49	27°45	13° 6	0°51	24°53	6°12	13°29	28°28	27°36	27°49	14°10	W21
T 22	20 28 18	5°56'20	9♈43	25°49	14° 2	27°36	13°17	0°53	24°56	6°14	13°28	28°22	27°33	27°56	14° 7	T 22
F 23	20 32 15	6°53'52	21°38	27°49	15°15	27°26	13°28	0°56	24°59	6°16	13°27	28°19	27°30	28° 2	14° 4	F 23
S 24	20 36 11	7°51'26	3♉27	29°51	16°28	27°16	13°39	0°58	25° 2	6°18	13°25	28°D18	27°27	28° 9	14° 1	S 24
S 25	20 40 8	8°49'01	15°17	1♌53	17°41	27° 5	13°49	1° 1	25° 4	6°20	13°24	28°18	27°24	28°16	13°58	S 25
M26	20 44 4	9°46'37	27°14	3°55	18°54	26°53	14° 0	1° 4	25° 7	6°22	13°23	28°R18	27°21	28°22	13°55	M26
T 27	20 48 1	10°44'16	9♊21	5°58	20° 7	26°41	14°10	1° 7	25°10	6°24	13°22	28°18	27°17	28°29	13°52	T 27
W28	20 51 57	11°41'55	21°45	8° 1	21°21	26°28	14°20	1°10	25°13	6°26	13°20	28°16	27°14	28°36	13°49	W28
T 29	20 55 54	12°39'36	4♋29	10° 3	22°34	26°15	14°31	1°12	25°16	6°28	13°19	28°11	27°11	28°42	13°46	T 29
F 30	20 59 51	13°37'19	17°35	12° 5	23°47	26° 1	14°41	1°16	25°18	6°30	13°18	28° 4	27° 8	28°49	13°42	F 30
S 31	21 3 47	14♌35'04	1♌ 4	14♌ 6	25♋ 1	25♒47	14♊51	1♏19	25♊21	6♍32	13♂17	27♉54	27♉ 5	28♈56	13♒39	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n35	25n45	2n16	20n 9	3s22	22n10	0s53	17s14	5s24	21n20	0s36	9s21	2n27	23n33	0n 9	10n25	0n59	23s53	1s 6	20n18	19n56	7n19	9s53	6n47
F 2	22 28	26 26	3 14	20 22	3 9	22 18	0 50	17 16	5 28	21 21	0 36	9 22	2 27	23 33	0 9	10 24	0 59	23 54	1 6	20 16	19 56	7 22	9 53	6 47
S 3	22 21	25 40	4 3	20 36	2 55	22 26	0 48	17 17	5 32	21 23	0 36	9 22	2 27	23 33	0 9	10 23	0 59	23 54	1 6	20 15	19 55	7 25	9 54	6 47
S 4	22 13	23 24	4 40	20 50	2 42	22 33	0 45	17 19	5 35	21 25	0 36	9 23	2 27	23 33	0 9	10 23	0 59	23 54	1 6	20 13	19 54	7 28	9 54	6 47
M 5	22 5	19 47	5 2	21 4	2 28	22 40	0 42	17 21	5 39	21 27	0 36	9 23	2 26	23 33	0 9	10 22	0 59	23 54	1 6	20 12	19 54	7 31	9 55	6 47
T 6	21 57	15 2	5 6	21 19	2 13	22 46	0 40	17 24	5 43	21 29	0 36	9 24	2 26	23 34	0 9	10 21	0 59	23 55	1 6	20 10	19 53	7 34	9 56	6 48
W 7	21 48	9 27	4 52	21 33	1 59	22 51	0 37	17 26	5 47	21 31	0 36	9 24	2 26	23 34	0 9	10 21	0 59	23 55	1 6	20 9	19 52	7 37	9 56	6 48
T 8	21 38	3 20	4 20	21 46	1 44	22 56	0 34	17 29	5 50	21 32	0 36	9 25	2 25	23 34	0 9	10 20	0 59	23 55	1 6	20 8	19 52	7 41	9 57	6 48
F 9	21 29	2s57	3 33	21 59	1 30	23 0	0 32	17 32	5 54	21 34	0 36	9 26	2 25	23 34	0 10	10 20	0 59	23 55	1 7	20 8	19 51	7 44	9 58	6 48
S 10	21 19	9 7	2 32	22 11	1 15	23 3	0 29	17 35	5 57	21 36	0 36	9 26	2 25	23 34	0 10	10 19	0 59	23 56	1 7	20 8	19 50	7 47	9 58	6 48
S 11	21 8	14 49	1 22	22 21	1 1	23 6	0 26	17 39	6 1	21 38	0 36	9 27	2 25	23 34	0 10	10 18	0 59	23 56	1 7	20 8	19 49	7 50	9 59	6 48
M12	20 58	19 43	0 7	22 31	0 47	23 8	0 23	17 42	6 4	21 39	0 35	9 28	2 24	23 35	0 10	10 18	0 59	23 56	1 7	20 8	19 49	7 53	10 0	6 48
T 13	20 47	23 27	1s 7	22 39	0 33	23 9	0 21	17 46	6 7	21 41	0 35	9 28	2 24	23 35	0 10	10 17	0 59	23 56	1 7	20 8	19 48	7 56	10 0	6 48
W14	20 35	25 46	2 17	22 45	0 19	23 10	0 18	17 50	6 11	21 42	0 35	9 29	2 24	23 35	0 10	10 16	0 59	23 56	1 7	20 7	19 47	7 59	10 1	6 49
T 15	20 23	26 27	3 18	22 49	0 6	23 10	0 15	17 55	6 14	21 44	0 35	9 30	2 24	23 35	0 10	10 15	0 59	23 57	1 7	20 6	19 47	8 2	10 2	6 49
F 16	20 11	25 32	4 7	22 51	0n 6	23 9	0 13	17 59	6 17	21 45	0 35	9 31	2 23	23 35	0 10	10 15	0 59	23 57	1 7	20 4	19 46	8 5	10 3	6 49
S 17	19 59	23 9	4 41	22 51	0 18	23 8	0 10	18 4	6 20	21 47	0 35	9 32	2 23	23 35	0 10	10 14	0 59	23 57	1 7	20 2	19 45	8 8	10 3	6 49
S 18	19 46	19 35	5 0	22 48	0 30	23 6	0 7	18 9	6 23	21 48	0 35	9 33	2 23	23 35	0 10	10 13	0 59	23 57	1 7	20 0	19 44	8 12	10 4	6 49
M19	19 33	15 11	5 3	22 43	0 40	23 3	0 4	18 14	6 25	21 50	0 35	9 34	2 23	23 36	0 10	10 13	0 59	23 58	1 7	19 58	19 44	8 15	10 5	6 49
T 20	19 20	10 14	4 51	22 35	0 50	23 0	0 2	18 19	6 28	21 51	0 35	9 35	2 22	23 36	0 10	10 12	0 59	23 58	1 7	19 56	19 43	8 18	10 6	6 49
W21	19 6	4 59	4 25	22 24	0 59	22 56	0n 1	18 24	6 31	21 53	0 35	9 36	2 22	23 36	0 10	10 11	0 59	23 58	1 8	19 54	19 42	8 21	10 7	6 49
T 22	18 52	0n22	3 49	22 11	1 8	22 51	0 4	18 29	6 33	21 54	0 35	9 37	2 22	23 36	0 10	10 10	0 59	23 58	1 8	19 53	19 42	8 24	10 7	6 49
F 23	18 37	5 39	3 2	21 55	1 15	22 46	0 6	18 35	6 35	21 55	0 35	9 38	2 22	23 36	0 10	10 10	0 59	23 58	1 8	19 52	19 41	8 27	10 8	6 49
S 24	18 23	10 42	2 8	21 36	1 22	22 40	0 9	18 41	6 37	21 57	0 35	9 39	2 21	23 36	0 10	10 9	0 59	23 59	1 8	19 52	19 40	8 30	10 9	6 49
S 25	18 8	15 23	1 9	21 15	1 28	22 33	0 11	18 46	6 39	21 58	0 35	9 40	2 21	23 36	0 10	10 8	0 59	23 59	1 8	19 52	19 39	8 33	10 10	6 49
M26	17 52	19 31	0 6	20 51	1 33	22 26	0 14	18 52	6 41	21 59	0 35	9 41	2 21	23 36	0 10	10 7	0 59	23 59	1 8	19 52	19 39	8 36	10 11	6 49
T 27	17 37	22 54	0n58	20 25	1 37	22 18	0 17	18 58	6 43	22 1	0 35	9 43	2 20	23 37	0 10	10 7	0 59	23 59	1 8	19 52	19 38	8 39	10 12	6 49
W28	17 21	25 17	2 1	19 57	1 40	22 9	0 19	19 3	6 44	22 2	0 35	9 44	2 20	23 37	0 10	10 6	0 59	23 59	1 8	19 51	19 37	8 42	10 13	6 49
T 29	17 5	26 27	2 59	19 27	1 43	21 59	0 22	19 9	6 45	22 3	0 35	9 45	2 20	23 37	0 10	10 5	0 59	24 0	1 8	19 50	19 36	8 46	10 13	6 49
F 30	16 48	26 10	3 50	18 55	1 45	21 49	0 24	19 15	6 46	22 4	0 35	9 46	2 20	23 37	0 10	10 4	0 59	24 0	1 8	19 48	19 36	8 49	10 14	6 49
S 31	16n31	24n22	4n29	18n21	1n46	21n39	0n26	19s21	6s47	22n 5	0s35	9s48	2n19	23n37	0n10	10n 4	0n59	24s 0	1s 8	19n46	19n35	8n52	10s15	6n49

Julian Day Number = 2187663.5, Delta T = 11m00s
Ecliptic obliquity = 23°32'03, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'51, Lahiri = 13°46'52 Julian Calendar 1 July 1277 == Greg. Calendar 8 July 1277

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

AUGUST 1277 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 7 44	15♌32'49	14♌55	16♌ 6	26♋14	25°R33	15♊ 1	1♏22	25♊23	6♍34	13°R16	27°R43	27♉ 2	29♈ 2	13°R36	S 1
M 2	21 11 40	16°30'36	29° 3	18° 5	27°28	25♒18	15°10	1°25	25°26	6°36	13♂14	27♉32	26°58	29° 9	13♒33	M 2
T 3	21 15 37	17°28'25	13♍23	20° 3	28°41	25° 3	15°20	1°29	25°29	6°39	13°13	27°21	26°55	29°16	13°30	T 3
W 4	21 19 33	18°26'14	27°50	22° 0	29°55	24°47	15°30	1°32	25°31	6°41	13°12	27°12	26°52	29°22	13°27	W 4
T 5	21 23 30	19°24'05	12♎17	23°56	1♌ 8	24°31	15°39	1°36	25°33	6°43	13°11	27° 6	26°49	29°29	13°24	T 5
F 6	21 27 26	20°21'57	26°39	25°50	2°22	24°16	15°48	1°39	25°36	6°45	13°10	27° 2	26°46	29°36	13°21	F 6
S 7	21 31 23	21°19'51	10♏54	27°44	3°36	24° 0	15°58	1°43	25°38	6°47	13° 9	27° 0	26°42	29°42	13°18	S 7
S 8	21 35 20	22°17'45	24°59	29°36	4°49	23°44	16° 7	1°47	25°41	6°49	13° 8	27° 0	26°39	29°49	13°15	S 8
M 9	21 39 16	23°15'42	8♐54	1♍26	6° 3	23°28	16°16	1°51	25°43	6°51	13° 7	27° 0	26°36	29°56	13°11	M 9
T 10	21 43 13	24°13'39	22°38	3°16	7°17	23°12	16°25	1°55	25°45	6°54	13° 6	26°59	26°33	0♉ 2	13° 8	T 10
W11	21 47 9	25°11'38	6♑13	5° 4	8°31	22°56	16°33	1°59	25°47	6°56	13° 5	26°55	26°30	0° 9	13° 5	W11
T 12	21 51 6	26° 9'38	19°37	6°50	9°45	22°40	16°42	2° 3	25°50	6°58	13° 4	26°48	26°27	0°16	13° 2	T 12
F 13	21 55 2	27° 7'40	2♒51	8°36	10°59	22°24	16°50	2° 7	25°52	7° 0	13° 3	26°39	26°23	0°22	12°59	F 13
S 14	21 58 59	28° 5'43	15°52	10°20	12°13	22° 9	16°59	2°11	25°54	7° 2	13° 2	26°27	26°20	0°29	12°56	S 14
S 15	22 2 56	29° 3'47	28°41	12° 3	13°26	21°54	17° 7	2°16	25°56	7° 5	13° 1	26°14	26°17	0°36	12°53	S 15
M16	22 6 52	0♍ 1'54	11♓17	13°45	14°41	21°39	17°15	2°20	25°58	7° 7	13° 0	26° 1	26°14	0°42	12°51	M16
T 17	22 10 49	1° 0'02	23°39	15°25	15°55	21°24	17°23	2°25	26° 0	7° 9	12°59	25°48	26°11	0°49	12°48	T 17
W18	22 14 45	1°58'12	5♈49	17° 4	17° 9	21°10	17°31	2°29	26° 2	7°11	12°58	25°38	26° 8	0°56	12°45	W18
T 19	22 18 42	2°56'24	17°48	18°42	18°23	20°56	17°38	2°34	26° 4	7°14	12°58	25°31	26° 4	1° 2	12°42	T 19
F 20	22 22 38	3°54'38	29°39	20°19	19°37	20°43	17°46	2°39	26° 6	7°16	12°57	25°26	26° 1	1° 9	12°39	F 20
S 21	22 26 35	4°52'54	11♉27	21°55	20°51	20°30	17°53	2°43	26° 7	7°18	12°56	25°24	25°58	1°15	12°36	S 21
S 22	22 30 31	5°51'12	23°16	23°30	22° 5	20°17	18° 1	2°48	26° 9	7°20	12°55	25°D23	25°55	1°22	12°33	S 22
M23	22 34 28	6°49'32	5♊10	25° 3	23°20	20° 6	18° 8	2°53	26°11	7°22	12°55	25°R23	25°52	1°29	12°31	M23
T 24	22 38 24	7°47'55	17°17	26°35	24°34	19°54	18°15	2°58	26°13	7°25	12°54	25°23	25°48	1°35	12°28	T 24
W25	22 42 21	8°46'19	29°41	28° 7	25°48	19°44	18°21	3° 3	26°14	7°27	12°53	25°21	25°45	1°42	12°25	W25
T 26	22 46 18	9°44'46	12♋26	29°37	27° 3	19°34	18°28	3° 8	26°16	7°29	12°53	25°17	25°42	1°49	12°23	T 26
F 27	22 50 14	10°43'15	25°37	1♎ 6	28°17	19°24	18°35	3°13	26°17	7°31	12°52	25°11	25°39	1°55	12°20	F 27
S 28	22 54 11	11°41'46	9♌15	2°33	29°31	19°16	18°41	3°19	26°19	7°34	12°51	25° 2	25°36	2° 2	12°17	S 28
S 29	22 58 7	12°40'19	23°19	4° 0	0♍46	19° 8	18°47	3°24	26°20	7°36	12°51	24°52	25°33	2° 9	12°15	S 29
M30	23 2 4	13°38'54	7♍46	5°25	2° 0	19° 0	18°53	3°29	26°21	7°38	12°50	24°41	25°29	2°15	12°12	M30
T 31	23 6 0	14♍37'31	22♍29	6♎50	3♍15	18♒54	18♊59	3♏35	26♊23	7♍40	12♑50	24♉30	25♉26	2♉22	12♒10	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n14	21n 6	4n53	17n46	1n46	21n28	0n29	19s27	6s48	22n 6	0s35	9s49	2n19	23n37	0n10	10n 3	0n59	24s 0	1s 8	19n44	19n34	8n55	10s16	6n49
M 2	15 57	16 32	5 1	17 9	1 46	21 16	0 31	19 32	6 48	22 8	0 35	9 51	2 19	23 37	0 10	10 2	0 59	24 0	1 8	19 41	19 34	8 58	10 17	6 49
T 3	15 40	11 0	4 49	16 31	1 45	21 3	0 34	19 38	6 49	22 9	0 35	9 52	2 19	23 37	0 10	10 1	0 59	24 1	1 9	19 39	19 33	9 1	10 18	6 49
W 4	15 22	4 50	4 19	15 52	1 44	20 50	0 36	19 43	6 49	22 10	0 35	9 53	2 19	23 37	0 10	10 0	0 59	24 1	1 9	19 37	19 32	9 4	10 19	6 49
T 5	15 4	1s36	3 33	15 11	1 41	20 36	0 38	19 49	6 49	22 11	0 35	9 55	2 18	23 37	0 10	10 0	0 59	24 1	1 9	19 35	19 31	9 7	10 20	6 49
F 6	14 45	7 56	2 33	14 30	1 39	20 22	0 40	19 54	6 49	22 12	0 35	9 56	2 18	23 38	0 10	9 59	0 59	24 1	1 9	19 34	19 31	9 10	10 21	6 49
S 7	14 27	13 49	1 24	13 48	1 36	20 7	0 43	19 59	6 48	22 13	0 35	9 58	2 18	23 38	0 10	9 58	0 59	24 1	1 9	19 34	19 30	9 13	10 22	6 49
S 8	14 8	18 55	0 11	13 6	1 32	19 52	0 45	20 4	6 47	22 14	0 35	9 59	2 18	23 38	0 10	9 57	0 59	24 2	1 9	19 34	19 29	9 16	10 23	6 48
M 9	13 49	22 54	1s 2	12 23	1 28	19 35	0 47	20 8	6 47	22 15	0 35	10 1	2 17	23 38	0 10	9 56	0 59	24 2	1 9	19 34	19 28	9 19	10 24	6 48
T 10	13 30	25 31	2 11	11 39	1 24	19 19	0 49	20 13	6 45	22 15	0 35	10 2	2 17	23 38	0 10	9 56	0 59	24 2	1 9	19 34	19 28	9 22	10 25	6 48
W11	13 10	26 34	3 11	10 55	1 19	19 2	0 51	20 17	6 44	22 16	0 35	10 4	2 17	23 38	0 10	9 55	0 59	24 2	1 9	19 33	19 27	9 26	10 26	6 48
T 12	12 51	26 3	4 0	10 11	1 14	18 44	0 53	20 21	6 43	22 17	0 35	10 6	2 17	23 38	0 10	9 54	0 59	24 2	1 9	19 31	19 26	9 29	10 27	6 48
F 13	12 31	24 3	4 35	9 26	1 9	18 25	0 55	20 24	6 41	22 18	0 35	10 7	2 16	23 38	0 10	9 53	0 59	24 2	1 9	19 29	19 25	9 32	10 28	6 48
S 14	12 11	20 50	4 55	8 42	1 3	18 7	0 57	20 28	6 39	22 19	0 35	10 9	2 16	23 38	0 10	9 52	0 59	24 3	1 9	19 26	19 25	9 35	10 29	6 48
S 15	11 51	16 39	5 0	7 57	0 57	17 47	0 59	20 31	6 37	22 20	0 35	10 11	2 16	23 38	0 10	9 51	0 59	24 3	1 9	19 23	19 24	9 38	10 29	6 47
M16	11 30	11 49	4 50	7 12	0 51	17 27	1 0	20 34	6 35	22 20	0 35	10 12	2 16	23 38	0 10	9 51	0 59	24 3	1 9	19 20	19 23	9 41	10 30	6 47
T 17	11 10	6 36	4 26	6 27	0 44	17 7	1 2	20 36	6 33	22 21	0 35	10 14	2 16	23 39	0 10	9 50	0 59	24 3	1 10	19 17	19 22	9 44	10 31	6 47
W18	10 49	1 12	3 50	5 42	0 38	16 46	1 4	20 39	6 30	22 22	0 35	10 16	2 15	23 39	0 10	9 49	0 59	24 3	1 10	19 15	19 22	9 47	10 32	6 47
T 19	10 28	4n10	3 5	4 58	0 31	16 25	1 5	20 41	6 27	22 23	0 35	10 18	2 15	23 39	0 10	9 48	0 59	24 3	1 10	19 13	19 21	9 50	10 33	6 47
F 20	10 7	9 20	2 12	4 13	0 24	16 3	1 7	20 42	6 24	22 23	0 35	10 20	2 15	23 39	0 10	9 47	0 59	24 3	1 10	19 12	19 20	9 53	10 34	6 47
S 21	9 46	14 10	1 13	3 28	0 17	15 41	1 8	20 44	6 21	22 24	0 35	10 21	2 15	23 39	0 10	9 47	0 59	24 4	1 10	19 11	19 19	9 56	10 35	6 46
S 22	9 24	18 29	0 11	2 44	0 9	15 18	1 10	20 45	6 18	22 25	0 35	10 23	2 15	23 39	0 10	9 46	0 59	24 4	1 10	19 11	19 19	9 59	10 36	6 46
M23	9 2	22 6	0n52	2 0	0 2	14 55	1 11	20 45	6 15	22 25	0 35	10 25	2 14	23 39	0 10	9 45	0 59	24 4	1 10	19 11	19 18	10 2	10 37	6 46
T 24	8 41	24 48	1 53	1 17	0s 6	14 32	1 13	20 46	6 11	22 26	0 35	10 27	2 14	23 39	0 10	9 44	0 59	24 4	1 10	19 11	19 17	10 5	10 38	6 46
W25	8 19	26 23	2 51	0 33	0 13	14 8	1 14	20 46	6 8	22 27	0 35	10 29	2 14	23 39	0 10	9 43	0 59	24 4	1 10	19 11	19 16	10 8	10 39	6 45
T 26	7 57	26 38	3 42	0s10	0 21	13 43	1 15	20 46	6 4	22 27	0 35	10 31	2 14	23 39	0 10	9 42	0 59	24 4	1 10	19 10	19 16	10 12	10 40	6 45
F 27	7 35	25 25	4 23	0 53	0 29	13 19	1 16	20 45	6 0	22 28	0 35	10 33	2 14	23 39	0 10	9 42	0 59	24 4	1 10	19 8	19 15	10 15	10 41	6 45
S 28	7 12	22 41	4 51	1 35	0 37	12 53	1 17	20 44	5 56	22 28	0 35	10 35	2 13	23 39	0 10	9 41	0 59	24 5	1 10	19 6	19 14	10 18	10 42	6 45
S 29	6 50	18 33	5 2	2 17	0 45	12 28	1 18	20 43	5 52	22 29	0 35	10 37	2 13	23 39	0 10	9 40	0 59	24 5	1 10	19 4	19 13	10 21	10 43	6 44
M30	6 27	13 14	4 54	2 58	0 52	12 2	1 19	20 41	5 48	22 29	0 35	10 39	2 13	23 39	0 10	9 39	0 59	24 5	1 10	19 1	19 13	10 24	10 44	6 44
T 31	6n 5	7n 5	4n27	3s39	1s 0	11n36	1n20	20s40	5s44	22n30	0s35	10s41	2n13	23n39	0n10	9n38	0n59	24s 5	1s10	18n58	19n12	10n27	10s45	6n44

Julian Day Number = 2187694.5, Delta T = 11m00s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°39'56, Lahiri = 13°46'56 Julian Calendar 1 Aug. 1277 == Greg. Calendar 8 Aug. 1277

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

SEPTEMBER 1277 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 9 57	15♍36'10	7♎20	8♎13	4♍30	18°R48	19♊ 5	3♏40	26♊24	7♍42	12°R49	24°R22	25♉23	2♉29	12°R 8	W 1
T 2	23 13 53	16°34'50	22°11	9°35	5°44	18♒43	19°10	3°46	26°25	7°45	12♂49	24♉16	25°20	2°35	12♒ 5	T 2
F 3	23 17 50	17°33'33	6♏54	10°55	6°59	18°39	19°16	3°51	26°26	7°47	12°48	24°12	25°17	2°42	12° 3	F 3
S 4	23 21 47	18°32'17	21°24	12°14	8°13	18°36	19°21	3°57	26°28	7°49	12°48	24°D11	25°13	2°49	12° 0	S 4
S 5	23 25 43	19°31'03	5♐37	13°32	9°28	18°33	19°26	4° 3	26°29	7°51	12°48	24°12	25°10	2°55	11°58	S 5
M 6	23 29 40	20°29'51	19°32	14°48	10°43	18°31	19°31	4° 9	26°30	7°53	12°47	24°R12	25° 7	3° 2	11°56	M 6
T 7	23 33 36	21°28'41	3♑10	16° 3	11°57	18°30	19°35	4°14	26°31	7°56	12°47	24°11	25° 4	3° 9	11°54	T 7
W 8	23 37 33	22°27'32	16°32	17°16	13°12	18°D30	19°40	4°20	26°32	7°58	12°47	24° 9	25° 1	3°15	11°52	W 8
T 9	23 41 29	23°26'25	29°40	18°28	14°27	18°31	19°44	4°26	26°32	8° 0	12°46	24° 4	24°58	3°22	11°50	T 9
F 10	23 45 26	24°25'20	12♒34	19°38	15°42	18°32	19°48	4°32	26°33	8° 2	12°46	23°56	24°54	3°29	11°48	F 10
S 11	23 49 22	25°24'17	25°16	20°46	16°56	18°35	19°52	4°38	26°34	8° 4	12°46	23°47	24°51	3°35	11°46	S 11
S 12	23 53 19	26°23'16	7♓46	21°52	18°11	18°38	19°56	4°44	26°35	8° 6	12°46	23°36	24°48	3°42	11°44	S 12
M13	23 57 16	27°22'16	20° 6	22°55	19°26	18°42	20° 0	4°50	26°35	8° 9	12°46	23°26	24°45	3°49	11°42	M13
T 14	0 1 12	28°21'19	2♈16	23°57	20°41	18°46	20° 3	4°56	26°36	8°11	12°45	23°16	24°42	3°55	11°40	T 14
W15	0 5 9	29°20'23	14°17	24°55	21°56	18°52	20° 7	5° 3	26°37	8°13	12°45	23° 8	24°39	4° 2	11°38	W15
T 16	0 9 5	0♎19'30	26°11	25°51	23°11	18°58	20°10	5° 9	26°37	8°15	12°45	23° 2	24°35	4° 9	11°37	T 16
F 17	0 13 2	1°18'39	8♉ 0	26°44	24°26	19° 5	20°12	5°15	26°38	8°17	12°45	22°58	24°32	4°15	11°35	F 17
S 18	0 16 58	2°17'50	19°46	27°34	25°41	19°12	20°15	5°21	26°38	8°19	12°D45	22°D57	24°29	4°22	11°33	S 18
S 19	0 20 55	3°17'04	1♊34	28°20	26°56	19°21	20°18	5°28	26°38	8°21	12°45	22°57	24°26	4°29	11°32	S 19
M20	0 24 51	4°16'20	13°28	29° 3	28°11	19°30	20°20	5°34	26°39	8°23	12°45	22°58	24°23	4°35	11°30	M20
T 21	0 28 48	5°15'38	25°33	29°41	29°26	19°39	20°22	5°41	26°39	8°25	12°45	23° 0	24°19	4°42	11°29	T 21
W22	0 32 45	6°14'59	7♋54	0♏14	0♎41	19°50	20°24	5°47	26°39	8°27	12°45	23°R 0	24°16	4°48	11°27	W22
T 23	0 36 41	7°14'22	20°36	0°42	1°56	20° 1	20°26	5°54	26°39	8°29	12°46	22°59	24°13	4°55	11°26	T 23
F 24	0 40 38	8°13'47	3♌43	1° 5	3°11	20°13	20°27	6° 0	26°39	8°31	12°46	22°56	24°10	5° 2	11°25	F 24
S 25	0 44 34	9°13'15	17°19	1°22	4°26	20°26	20°29	6° 7	26°R39	8°33	12°46	22°52	24° 7	5° 8	11°24	S 25
S 26	0 48 31	10°12'44	1♍23	1°32	5°41	20°39	20°30	6°13	26°39	8°35	12°46	22°46	24° 4	5°15	11°22	S 26
M27	0 52 27	11°12'17	15°54	1°R35	6°56	20°53	20°31	6°20	26°39	8°37	12°46	22°39	24° 0	5°22	11°21	M27
T 28	0 56 24	12°11'51	0♎47	1°31	8°11	21° 7	20°31	6°27	26°39	8°39	12°47	22°33	23°57	5°28	11°20	T 28
W29	1 0 20	13°11'27	15°53	1°18	9°27	21°22	20°32	6°34	26°39	8°41	12°47	22°27	23°54	5°35	11°19	W29
T 30	1 4 17	14♎11'06	1♏ 2	0♏57	10♎42	21♒38	20♊32	6♏40	26♊39	8♍43	12♂47	22♉24	23♉51	5♉42	11♒19	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n42	0n28	3n42	4s19	1s 8	11n10	1n21	20s37	5s40	22n30	0s35	10s43	2n13	23n40	0n10	9n37	0n59	24s 5	1s10	18n56	19n11	10n30	10s46	6n44
T 2	5 19	6s11	2 42	4 58	1 16	10 43	1 22	20 35	5 36	22 31	0 35	10 45	2 12	23 40	0 10	9 37	0 59	24 5	1 11	18 55	19 10	10 33	10 47	6 43
F 3	4 56	12 27	1 31	5 37	1 24	10 16	1 23	20 32	5 31	22 31	0 35	10 47	2 12	23 40	0 10	9 36	0 59	24 5	1 11	18 54	19 10	10 36	10 48	6 43
S 4	4 33	17 57	0 15	6 16	1 32	9 48	1 23	20 29	5 27	22 32	0 35	10 49	2 12	23 40	0 10	9 35	0 59	24 5	1 11	18 54	19 9	10 39	10 49	6 43
S 5	4 10	22 19	1s 1	6 53	1 40	9 21	1 24	20 26	5 22	22 32	0 35	10 51	2 12	23 40	0 10	9 34	0 59	24 5	1 11	18 54	19 8	10 42	10 49	6 42
M 6	3 47	25 18	2 11	7 30	1 47	8 53	1 24	20 22	5 18	22 32	0 35	10 53	2 12	23 40	0 10	9 33	0 59	24 5	1 11	18 54	19 7	10 45	10 50	6 42
T 7	3 24	26 42	3 12	8 6	1 55	8 25	1 25	20 18	5 13	22 33	0 35	10 55	2 12	23 40	0 10	9 33	0 59	24 6	1 11	18 54	19 6	10 48	10 51	6 42
W 8	3 0	26 30	4 2	8 42	2 2	7 56	1 25	20 14	5 9	22 33	0 35	10 57	2 11	23 40	0 11	9 32	0 59	24 6	1 11	18 53	19 6	10 51	10 52	6 41
T 9	2 37	24 49	4 38	9 16	2 10	7 28	1 25	20 9	5 4	22 33	0 35	10 59	2 11	23 40	0 11	9 31	0 59	24 6	1 11	18 52	19 5	10 54	10 53	6 41
F 10	2 13	21 52	4 59	9 49	2 17	6 59	1 26	20 4	5 0	22 34	0 35	11 2	2 11	23 40	0 11	9 30	0 59	24 6	1 11	18 50	19 4	10 57	10 54	6 41
S 11	1 50	17 55	5 4	10 21	2 24	6 30	1 26	19 59	4 55	22 34	0 35	11 4	2 11	23 40	0 11	9 29	0 59	24 6	1 11	18 48	19 3	11 0	10 55	6 40
S 12	1 26	13 15	4 55	10 53	2 31	6 0	1 26	19 54	4 50	22 34	0 35	11 6	2 11	23 40	0 11	9 29	0 59	24 6	1 11	18 45	19 3	11 3	10 56	6 40
M13	1 3	8 6	4 33	11 23	2 37	5 31	1 26	19 48	4 46	22 35	0 35	11 8	2 11	23 40	0 11	9 28	0 59	24 6	1 11	18 42	19 2	11 6	10 56	6 40
T 14	0 39	2 43	3 58	11 51	2 44	5 1	1 26	19 42	4 41	22 35	0 35	11 10	2 10	23 40	0 11	9 27	0 59	24 6	1 11	18 40	19 1	11 9	10 57	6 39
W15	0 16	2n42	3 12	12 19	2 50	4 32	1 26	19 36	4 37	22 35	0 35	11 12	2 10	23 40	0 11	9 26	0 59	24 6	1 11	18 38	19 0	11 12	10 58	6 39
T 16	0s 8	7 59	2 19	12 45	2 55	4 2	1 26	19 30	4 32	22 35	0 35	11 15	2 10	23 40	0 11	9 26	0 59	24 6	1 11	18 36	19 0	11 15	10 59	6 39
F 17	0 31	12 58	1 20	13 9	3 0	3 32	1 26	19 23	4 27	22 36	0 35	11 17	2 10	23 40	0 11	9 25	0 59	24 6	1 11	18 35	18 59	11 18	11 0	6 38
S 18	0 55	17 28	0 17	13 32	3 5	3 2	1 25	19 17	4 23	22 36	0 35	11 19	2 10	23 40	0 11	9 24	0 59	24 6	1 11	18 35	18 58	11 21	11 1	6 38
S 19	1 19	21 19	0n46	13 53	3 10	2 32	1 25	19 10	4 18	22 36	0 35	11 21	2 10	23 40	0 11	9 23	0 59	24 6	1 11	18 35	18 57	11 24	11 1	6 37
M20	1 42	24 18	1 49	14 11	3 14	2 1	1 25	19 2	4 14	22 36	0 35	11 24	2 10	23 40	0 11	9 23	0 59	24 6	1 12	18 35	18 56	11 27	11 2	6 37
T 21	2 6	26 15	2 47	14 28	3 17	1 31	1 24	18 55	4 9	22 36	0 35	11 26	2 10	23 40	0 11	9 22	0 59	24 6	1 12	18 36	18 56	11 30	11 3	6 37
W22	2 29	26 57	3 39	14 42	3 19	1 0	1 24	18 47	4 5	22 36	0 35	11 28	2 9	23 40	0 11	9 21	0 59	24 7	1 12	18 36	18 55	11 33	11 4	6 36
T 23	2 53	26 16	4 22	14 54	3 21	0 30	1 23	18 40	4 0	22 37	0 35	11 30	2 9	23 40	0 11	9 20	1 0	24 7	1 12	18 36	18 54	11 36	11 4	6 36
F 24	3 17	24 8	4 53	15 3	3 22	0s 1	1 22	18 32	3 56	22 37	0 35	11 33	2 9	23 40	0 11	9 20	1 0	24 7	1 12	18 35	18 53	11 39	11 5	6 35
S 25	3 40	20 36	5 8	15 9	3 22	0 31	1 22	18 23	3 51	22 37	0 35	11 35	2 9	23 40	0 11	9 19	1 0	24 7	1 12	18 34	18 53	11 42	11 6	6 35
S 26	4 4	15 47	5 6	15 12	3 21	1 2	1 21	18 15	3 47	22 37	0 35	11 37	2 9	23 40	0 11	9 18	1 0	24 7	1 12	18 32	18 52	11 45	11 6	6 35
M27	4 27	9 57	4 45	15 11	3 19	1 32	1 20	18 6	3 43	22 37	0 35	11 39	2 9	23 40	0 11	9 17	1 0	24 7	1 12	18 30	18 51	11 48	11 7	6 34
T 28	4 50	3 25	4 4	15 6	3 16	2 3	1 19	17 58	3 38	22 37	0 35	11 42	2 9	23 40	0 11	9 17	1 0	24 7	1 12	18 29	18 50	11 51	11 8	6 34
W29	5 14	3s25	3 5	14 57	3 11	2 34	1 18	17 49	3 34	22 37	0 35	11 44	2 9	23 40	0 11	9 16	1 0	24 7	1 12	18 27	18 49	11 54	11 8	6 33
T 30	5s37	10s 6	1n54	14s44	3s 4	3s 4	1n17	17s39	3s30	22n37	0s35	11s46	2n 9	23n40	0n11	9n15	1n 0	24s 7	1s12	18n27	18n49	11n57	11s 9	6n33

Julian Day Number = 2187725.5, Delta T = 10m59s
Ecliptic obliquity = 23°32'05, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'00, Lahiri = 13°47'00 Julian Calendar 1 Sept. 1277 == Greg. Calendar 8 Sept. 1277

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

OCTOBER 1277 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 8 13	15♎10'46	16♏ 6	0°R28	11♎57	21♒54	20°R33	6♏47	26°R38	8♍45	12♑48	22°D22	23♉48	5♉48	11°R18	F 1
S 2	1 12 10	16°10'29	0♐55	29♎49	13°12	22°11	20♊32	6°54	26♊38	8°47	12°48	22♉22	23°45	5°55	11♒17	S 2
S 3	1 16 7	17°10'13	15°25	29° 2	14°27	22°29	20°32	7° 1	26°38	8°49	12°49	22°24	23°41	6° 2	11°16	S 3
M 4	1 20 3	18° 9'59	29°32	28° 7	15°42	22°47	20°32	7° 8	26°37	8°50	12°49	22°25	23°38	6° 8	11°16	M 4
T 5	1 24 0	19° 9'47	13♑15	27° 5	16°58	23° 6	20°31	7°14	26°37	8°52	12°50	22°R26	23°35	6°15	11°15	T 5
W 6	1 27 56	20° 9'36	26°35	25°56	18°13	23°25	20°30	7°21	26°36	8°54	12°50	22°26	23°32	6°22	11°14	W 6
T 7	1 31 53	21° 9'27	9♒36	24°43	19°28	23°44	20°29	7°28	26°35	8°56	12°51	22°25	23°29	6°28	11°14	T 7
F 8	1 35 49	22° 9'20	22°19	23°27	20°43	24° 5	20°28	7°35	26°35	8°58	12°51	22°22	23°25	6°35	11°14	F 8
S 9	1 39 46	23° 9'14	4♓47	22°10	21°59	24°25	20°26	7°42	26°34	8°59	12°52	22°18	23°22	6°42	11°13	S 9
S 10	1 43 42	24° 9'10	17° 4	20°56	23°14	24°47	20°25	7°49	26°33	9° 1	12°52	22°13	23°19	6°48	11°13	S 10
M11	1 47 39	25° 9'08	29°10	19°45	24°29	25° 8	20°23	7°56	26°32	9° 3	12°53	22° 8	23°16	6°55	11°13	M11
T 12	1 51 36	26° 9'08	11♈ 9	18°41	25°44	25°31	20°21	8° 3	26°32	9° 4	12°54	22° 3	23°13	7° 2	11°13	T 12
W13	1 55 32	27° 9'10	23° 2	17°46	27° 0	25°53	20°18	8°10	26°31	9° 6	12°55	22° 0	23°10	7° 8	11°13	W13
T 14	1 59 29	28° 9'13	4♉52	17° 0	28°15	26°16	20°16	8°17	26°30	9° 8	12°55	21°57	23° 6	7°15	11°D13	T 14
F 15	2 3 25	29° 9'19	16°40	16°24	29°30	26°40	20°13	8°24	26°29	9° 9	12°56	21°D56	23° 3	7°21	11°13	F 15
S 16	2 7 22	0♏ 9'26	28°28	16° 1	0♏46	27° 4	20°11	8°31	26°28	9°11	12°57	21°56	23° 0	7°28	11°13	S 16
S 17	2 11 18	1° 9'35	10♊19	15°48	2° 1	27°28	20° 7	8°38	26°26	9°12	12°58	21°57	22°57	7°35	11°13	S 17
M18	2 15 15	2° 9'47	22°16	15°D48	3°16	27°53	20° 4	8°46	26°25	9°14	12°59	21°59	22°54	7°41	11°13	M18
T 19	2 19 11	3°10'00	4♋23	15°58	4°32	28°18	20° 1	8°53	26°24	9°15	13° 0	22° 0	22°51	7°48	11°13	T 19
W20	2 23 8	4°10'16	16°45	16°19	5°47	28°43	19°57	9° 0	26°23	9°17	13° 0	22° 2	22°47	7°55	11°14	W20
T 21	2 27 5	5°10'34	29°24	16°49	7° 2	29° 9	19°53	9° 7	26°22	9°18	13° 1	22°R 2	22°44	8° 1	11°14	T 21
F 22	2 31 1	6°10'53	12♌25	17°28	8°18	29°35	19°49	9°14	26°20	9°20	13° 2	22° 2	22°41	8° 8	11°15	F 22
S 23	2 34 58	7°11'15	25°52	18°15	9°33	0♓ 2	19°45	9°21	26°19	9°21	13° 3	22° 2	22°38	8°15	11°15	S 23
S 24	2 38 54	8°11'38	9♍45	19° 9	10°48	0°29	19°41	9°28	26°17	9°22	13° 4	22° 0	22°35	8°21	11°16	S 24
M25	2 42 51	9°12'04	24° 6	20° 9	12° 4	0°56	19°36	9°35	26°16	9°24	13° 5	21°59	22°31	8°28	11°17	M25
T 26	2 46 47	10°12'31	8♎50	21°14	13°19	1°23	19°32	9°43	26°14	9°25	13° 7	21°57	22°28	8°35	11°17	T 26
W27	2 50 44	11°13'00	23°53	22°24	14°35	1°51	19°27	9°50	26°13	9°26	13° 8	21°56	22°25	8°41	11°18	W27
T 28	2 54 40	12°13'31	9♏ 6	23°38	15°50	2°20	19°22	9°57	26°11	9°27	13° 9	21°55	22°22	8°48	11°19	T 28
F 29	2 58 37	13°14'04	24°19	24°55	17° 5	2°48	19°16	10° 4	26°10	9°29	13°10	21°D55	22°19	8°55	11°20	F 29
S 30	3 2 34	14°14'39	9♐22	26°16	18°21	3°17	19°11	10°11	26° 8	9°30	13°11	21°55	22°16	9° 1	11°21	S 30
S 31	3 6 30	15♏15'14	24♐ 8	27♎38	19♏36	3♓46	19♊ 5	10♏18	26♊ 6	9♍31	13♑12	21♉56	22♉12	9♉ 8	11♒22	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6s 0	16s11	0n34	14s25	2s56	3s35	1n16	17s30	3s26	22n37	0s35	11s49	2n 8	23n40	0n11	9n15	1n 0	24s 7	1s12	18n26	18n48	12n 0	11s10	6n33
S 2	6 23	21 11	0s47	14 3	2 46	4 5	1 15	17 21	3 22	22 37	0 35	11 51	2 8	23 40	0 11	9 14	1 0	24 7	1 12	18 26	18 47	12 3	11 10	6 32
S 3	6 46	24 46	2 3	13 35	2 35	4 35	1 14	17 11	3 18	22 37	0 35	11 53	2 8	23 40	0 11	9 13	1 0	24 7	1 12	18 26	18 46	12 6	11 11	6 32
M 4	7 9	26 41	3 9	13 2	2 21	5 6	1 12	17 1	3 13	22 37	0 35	11 56	2 8	23 40	0 11	9 13	1 0	24 7	1 12	18 27	18 45	12 9	11 12	6 31
T 5	7 32	26 54	4 3	12 26	2 6	5 36	1 11	16 51	3 9	22 37	0 35	11 58	2 8	23 40	0 11	9 12	1 0	24 7	1 12	18 27	18 45	12 12	11 12	6 31
W 6	7 55	25 32	4 42	11 45	1 49	6 6	1 10	16 41	3 6	22 37	0 35	12 0	2 8	23 40	0 11	9 11	1 0	24 7	1 12	18 27	18 44	12 15	11 13	6 30
T 7	8 17	22 49	5 5	11 1	1 30	6 36	1 8	16 31	3 2	22 37	0 35	12 3	2 8	23 40	0 11	9 11	1 0	24 7	1 12	18 27	18 43	12 18	11 13	6 30
F 8	8 40	19 3	5 13	10 14	1 11	7 5	1 7	16 20	2 58	22 37	0 35	12 5	2 8	23 40	0 11	9 10	1 0	24 7	1 13	18 26	18 42	12 21	11 14	6 30
S 9	9 2	14 32	5 6	9 27	0 51	7 35	1 5	16 10	2 54	22 37	0 34	12 7	2 8	23 40	0 11	9 9	1 0	24 7	1 13	18 25	18 41	12 24	11 14	6 29
S 10	9 24	9 29	4 44	8 40	0 30	8 4	1 4	15 59	2 50	22 37	0 34	12 10	2 8	23 40	0 11	9 9	1 0	24 7	1 13	18 24	18 41	12 27	11 15	6 29
M11	9 46	4 9	4 10	7 54	0 9	8 34	1 2	15 48	2 46	22 37	0 34	12 12	2 8	23 40	0 11	9 8	1 0	24 7	1 13	18 22	18 40	12 30	11 15	6 28
T 12	10 8	1n16	3 26	7 11	0n11	9 3	1 1	15 37	2 43	22 37	0 34	12 14	2 8	23 40	0 11	9 8	1 0	24 7	1 13	18 21	18 39	12 33	11 16	6 28
W13	10 30	6 38	2 32	6 32	0 30	9 32	0 59	15 26	2 39	22 36	0 34	12 17	2 7	23 40	0 11	9 7	1 0	24 7	1 13	18 20	18 38	12 36	11 16	6 27
T 14	10 52	11 44	1 33	5 58	0 48	10 0	0 57	15 15	2 36	22 36	0 34	12 19	2 7	23 40	0 11	9 6	1 0	24 7	1 13	18 20	18 37	12 39	11 17	6 27
F 15	11 13	16 25	0 29	5 29	1 5	10 29	0 55	15 3	2 32	22 36	0 34	12 21	2 7	23 40	0 11	9 6	1 0	24 7	1 13	18 19	18 37	12 42	11 17	6 26
S 16	11 34	20 29	0n36	5 6	1 20	10 57	0 54	14 52	2 29	22 36	0 34	12 23	2 7	23 40	0 11	9 5	1 0	24 7	1 13	18 19	18 36	12 45	11 17	6 26
S 17	11 55	23 44	1 40	4 49	1 33	11 25	0 52	14 40	2 25	22 36	0 34	12 26	2 7	23 40	0 11	9 5	1 0	24 7	1 13	18 20	18 35	12 48	11 18	6 26
M18	12 16	25 58	2 40	4 39	1 44	11 52	0 50	14 28	2 22	22 36	0 34	12 28	2 7	23 40	0 11	9 4	1 0	24 7	1 13	18 20	18 34	12 51	11 18	6 25
T 19	12 37	27 1	3 34	4 34	1 53	12 20	0 48	14 16	2 18	22 35	0 34	12 30	2 7	23 40	0 11	9 4	1 0	24 7	1 13	18 20	18 33	12 54	11 18	6 25
W20	12 58	26 46	4 19	4 35	2 1	12 47	0 46	14 4	2 15	22 35	0 34	12 33	2 7	23 40	0 11	9 3	1 0	24 7	1 13	18 21	18 33	12 57	11 19	6 24
T 21	13 18	25 7	4 53	4 41	2 7	13 14	0 44	13 52	2 12	22 35	0 34	12 35	2 7	23 40	0 11	9 3	1 0	24 7	1 13	18 21	18 32	13 0	11 19	6 24
F 22	13 38	22 8	5 12	4 52	2 12	13 40	0 42	13 40	2 9	22 35	0 34	12 37	2 7	23 40	0 11	9 2	1 0	24 7	1 13	18 21	18 31	13 3	11 19	6 23
S 23	13 58	17 54	5 16	5 7	2 15	14 6	0 40	13 28	2 5	22 34	0 34	12 40	2 7	23 40	0 11	9 2	1 0	24 6	1 13	18 21	18 30	13 6	11 20	6 23
S 24	14 18	12 36	5 2	5 25	2 17	14 32	0 37	13 15	2 2	22 34	0 34	12 42	2 7	23 40	0 11	9 1	1 1	24 6	1 13	18 20	18 29	13 9	11 20	6 22
M25	14 37	6 28	4 29	5 47	2 17	14 57	0 35	13 3	1 59	22 34	0 34	12 44	2 7	23 40	0 11	9 1	1 1	24 6	1 13	18 20	18 28	13 12	11 20	6 22
T 26	14 56	0s12	3 37	6 12	2 17	15 22	0 33	12 50	1 56	22 33	0 34	12 46	2 7	23 40	0 11	9 0	1 1	24 6	1 14	18 20	18 28	13 15	11 20	6 22
W27	15 15	6 59	2 29	6 39	2 16	15 47	0 31	12 37	1 53	22 33	0 34	12 49	2 7	23 40	0 11	9 0	1 1	24 6	1 14	18 19	18 27	13 18	11 21	6 21
T 28	15 34	13 28	1 11	7 9	2 14	16 11	0 29	12 24	1 50	22 33	0 34	12 51	2 7	23 40	0 11	8 59	1 1	24 6	1 14	18 19	18 26	13 21	11 21	6 21
F 29	15 52	19 8	0s13	7 40	2 11	16 35	0 26	12 11	1 47	22 32	0 34	12 53	2 7	23 40	0 11	8 59	1 1	24 6	1 14	18 19	18 25	13 24	11 21	6 20
S 30	16 11	23 31	1 36	8 12	2 7	16 58	0 24	11 58	1 44	22 32	0 34	12 55	2 7	23 40	0 11	8 59	1 1	24 6	1 14	18 19	18 24	13 26	11 21	6 20
S 31	16s29	26s14	2s50	8s45	2n 3	17s21	0n22	11s45	1s42	22n32	0s33	12s58	2n 7	23n40	0n11	8n58	1n 1	24s 6	1s14	18n19	18n24	13n29	11s21	6n19

Julian Day Number = 2187755.5, Delta T = 10m59s
Ecliptic obliquity = 23°32'05, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'04, Lahiri = 13°47'04 Julian Calendar 1 Oct. 1277 == Greg. Calendar 8 Oct. 1277

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

NOVEMBER 1277 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 10 27	16♏15'51	8♉30	29♎ 3	20♏51	4♓15	19°R 0	10♏25	26°R 4	9♍32	13♉14	21♉56	22♉ 9	9♉15	11♒23	M 1
T 2	3 14 23	17°16'30	22°25	0♏29	22° 7	4°45	18♊54	10°32	26♊ 3	9°33	13°15	21°57	22° 6	9°21	11°25	T 2
W 3	3 18 20	18°17'09	5♒54	1°57	23°22	5°15	18°48	10°39	26° 1	9°34	13°16	21°57	22° 3	9°28	11°26	W 3
T 4	3 22 16	19°17'50	18°57	3°25	24°38	5°45	18°42	10°47	25°59	9°35	13°17	21°R57	22° 0	9°34	11°27	T 4
F 5	3 26 13	20°18'32	1♓39	4°55	25°53	6°16	18°35	10°54	25°57	9°36	13°19	21°57	21°56	9°41	11°29	F 5
S 6	3 30 9	21°19'14	14° 2	6°26	27° 8	6°46	18°29	11° 1	25°55	9°37	13°20	21°57	21°53	9°48	11°30	S 6
S 7	3 34 6	22°19'58	26°10	7°57	28°24	7°17	18°22	11° 8	25°53	9°38	13°21	21°D57	21°50	9°54	11°32	S 7
M 8	3 38 3	23°20'43	8♈ 9	9°29	29°39	7°49	18°16	11°15	25°51	9°39	13°23	21°57	21°47	10° 1	11°33	M 8
T 9	3 41 59	24°21'29	20° 1	11° 1	0♐55	8°20	18° 9	11°22	25°49	9°40	13°24	21°58	21°44	10° 8	11°35	T 9
W10	3 45 56	25°22'17	1♉49	12°34	2°10	8°52	18° 2	11°29	25°47	9°41	13°26	21°58	21°41	10°14	11°37	W10
T 11	3 49 52	26°23'05	13°37	14° 7	3°25	9°23	17°55	11°36	25°45	9°42	13°27	21°58	21°37	10°21	11°38	T 11
F 12	3 53 49	27°23'55	25°26	15°40	4°41	9°55	17°48	11°43	25°42	9°43	13°29	21°R58	21°34	10°28	11°40	F 12
S 13	3 57 45	28°24'46	7♊20	17°13	5°56	10°28	17°40	11°50	25°40	9°43	13°30	21°58	21°31	10°34	11°42	S 13
S 14	4 1 42	29°25'38	19°19	18°46	7°11	11° 0	17°33	11°57	25°38	9°44	13°32	21°57	21°28	10°41	11°44	S 14
M15	4 5 38	0♐26'31	1♋27	20°19	8°27	11°33	17°26	12° 3	25°36	9°45	13°33	21°56	21°25	10°48	11°46	M15
T 16	4 9 35	1°27'26	13°44	21°53	9°42	12° 5	17°18	12°10	25°34	9°45	13°35	21°55	21°22	10°54	11°48	T 16
W17	4 13 32	2°28'21	26°13	23°26	10°57	12°38	17°10	12°17	25°31	9°46	13°36	21°53	21°18	11° 1	11°50	W17
T 18	4 17 28	3°29'19	8♌57	25° 0	12°13	13°11	17° 3	12°24	25°29	9°47	13°38	21°52	21°15	11° 8	11°52	T 18
F 19	4 21 25	4°30'17	21°58	26°33	13°28	13°45	16°55	12°31	25°27	9°47	13°40	21°51	21°12	11°14	11°55	F 19
S 20	4 25 21	5°31'16	5♍19	28° 7	14°44	14°18	16°47	12°38	25°24	9°48	13°41	21°D51	21° 9	11°21	11°57	S 20
S 21	4 29 18	6°32'17	19° 0	29°41	15°59	14°52	16°39	12°44	25°22	9°48	13°43	21°51	21° 6	11°27	11°59	S 21
M22	4 33 14	7°33'19	3♎ 4	1♐14	17°14	15°26	16°31	12°51	25°19	9°49	13°45	21°52	21° 2	11°34	12° 2	M22
T 23	4 37 11	8°34'22	17°30	2°48	18°30	16° 0	16°23	12°58	25°17	9°49	13°46	21°53	20°59	11°41	12° 4	T 23
W24	4 41 7	9°35'26	2♏13	4°22	19°45	16°34	16°15	13° 4	25°15	9°49	13°48	21°54	20°56	11°47	12° 7	W24
T 25	4 45 4	10°36'31	17°11	5°56	21° 0	17° 8	16° 7	13°11	25°12	9°50	13°50	21°R55	20°53	11°54	12° 9	T 25
F 26	4 49 1	11°37'37	2♐14	7°30	22°16	17°42	15°59	13°18	25°10	9°50	13°51	21°55	20°50	12° 1	12°12	F 26
S 27	4 52 57	12°38'44	17°15	9° 4	23°31	18°17	15°51	13°24	25° 7	9°50	13°53	21°54	20°47	12° 7	12°14	S 27
S 28	4 56 54	13°39'51	2♉ 4	10°38	24°47	18°52	15°43	13°31	25° 5	9°50	13°55	21°51	20°43	12°14	12°17	S 28
M29	5 0 50	14°40'59	16°34	12°13	26° 2	19°26	15°34	13°37	25° 2	9°51	13°57	21°48	20°40	12°21	12°20	M29
T 30	5 4 47	15♐42'08	0♒40	13♐47	27♐17	20♓ 1	15♊26	13♏44	25♊ 0	9♍51	13♉58	21♉45	20♉37	12♉27	12♒23	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s46	27s 6	3s51	9s20	1n59	17s44	0n20	11s31	1s39	22n31	0s33	13s 0	2n 7	23n40	0n12	8n58	1n 1	24s 6	1s14	18n19	18n23	13n32	11s21	6n19
T 2	17 3	26 13	4 37	9 55	1 54	18 6	0 17	11 18	1 36	22 31	0 33	13 2	2 7	23 40	0 12	8 57	1 1	24 6	1 14	18 20	18 22	13 35	11 21	6 18
W 3	17 21	23 48	5 6	10 30	1 48	18 27	0 15	11 4	1 33	22 30	0 33	13 4	2 7	23 40	0 12	8 57	1 1	24 6	1 14	18 20	18 21	13 38	11 22	6 18
T 4	17 37	20 13	5 18	11 6	1 43	18 48	0 13	10 50	1 31	22 30	0 33	13 6	2 7	23 40	0 12	8 57	1 1	24 6	1 14	18 20	18 20	13 41	11 22	6 18
F 5	17 54	15 48	5 13	11 42	1 37	19 8	0 10	10 37	1 28	22 30	0 33	13 9	2 7	23 40	0 12	8 56	1 1	24 6	1 14	18 20	18 19	13 44	11 22	6 17
S 6	18 10	10 50	4 55	12 18	1 31	19 28	0 8	10 23	1 25	22 29	0 33	13 11	2 7	23 40	0 12	8 56	1 1	24 6	1 14	18 20	18 19	13 47	11 22	6 17
S 7	18 26	5 33	4 23	12 53	1 24	19 48	0 5	10 9	1 23	22 29	0 33	13 13	2 7	23 40	0 12	8 56	1 1	24 6	1 14	18 20	18 18	13 50	11 22	6 16
M 8	18 41	0 8	3 40	13 29	1 18	20 7	0 3	9 55	1 20	22 28	0 33	13 15	2 7	23 40	0 12	8 55	1 1	24 5	1 14	18 20	18 17	13 53	11 22	6 16
T 9	18 56	5n15	2 49	14 4	1 11	20 25	0 1	9 41	1 18	22 28	0 33	13 17	2 7	23 40	0 12	8 55	1 1	24 5	1 14	18 20	18 16	13 56	11 22	6 15
W10	19 11	10 26	1 50	14 39	1 4	20 42	0s 2	9 27	1 15	22 27	0 33	13 19	2 7	23 40	0 12	8 55	1 1	24 5	1 14	18 20	18 15	13 59	11 22	6 15
T 11	19 25	15 15	0 46	15 13	0 57	21 0	0 4	9 12	1 13	22 27	0 33	13 22	2 7	23 40	0 12	8 55	1 1	24 5	1 14	18 20	18 15	14 2	11 21	6 15
F 12	19 39	19 31	0n19	15 47	0 50	21 16	0 7	8 58	1 10	22 26	0 32	13 24	2 7	23 40	0 12	8 54	1 1	24 5	1 15	18 20	18 14	14 4	11 21	6 14
S 13	19 53	23 0	1 24	16 21	0 43	21 32	0 9	8 44	1 8	22 25	0 32	13 26	2 7	23 39	0 12	8 54	1 1	24 5	1 15	18 20	18 13	14 7	11 21	6 14
S 14	20 6	25 32	2 26	16 53	0 36	21 47	0 11	8 29	1 6	22 25	0 32	13 28	2 7	23 39	0 12	8 54	1 1	24 5	1 15	18 20	18 12	14 10	11 21	6 13
M15	20 19	26 54	3 22	17 26	0 29	22 2	0 14	8 14	1 4	22 24	0 32	13 30	2 7	23 39	0 12	8 54	1 1	24 5	1 15	18 19	18 11	14 13	11 21	6 13
T 16	20 32	26 58	4 10	17 57	0 22	22 16	0 16	8 0	1 1	22 24	0 32	13 32	2 7	23 39	0 12	8 53	1 1	24 5	1 15	18 19	18 10	14 16	11 21	6 13
W17	20 44	25 40	4 46	18 27	0 15	22 29	0 19	7 45	0 59	22 23	0 32	13 34	2 7	23 39	0 12	8 53	1 2	24 5	1 15	18 19	18 10	14 19	11 21	6 12
T 18	20 56	23 3	5 9	18 57	0 8	22 42	0 21	7 30	0 57	22 22	0 32	13 36	2 7	23 39	0 12	8 53	1 2	24 5	1 15	18 18	18 9	14 22	11 20	6 12
F 19	21 8	19 14	5 17	19 26	0 2	22 54	0 23	7 16	0 55	22 22	0 32	13 38	2 7	23 39	0 12	8 53	1 2	24 4	1 15	18 18	18 8	14 25	11 20	6 11
S 20	21 19	14 22	5 8	19 54	0s 5	23 5	0 26	7 1	0 53	22 21	0 32	13 40	2 7	23 39	0 12	8 53	1 2	24 4	1 15	18 18	18 7	14 28	11 20	6 11
S 21	21 29	8 41	4 42	20 21	0 12	23 16	0 28	6 46	0 51	22 20	0 31	13 42	2 7	23 39	0 12	8 53	1 2	24 4	1 15	18 18	18 6	14 30	11 20	6 11
M22	21 39	2 25	3 59	20 48	0 19	23 25	0 30	6 31	0 48	22 20	0 31	13 44	2 7	23 39	0 12	8 52	1 2	24 4	1 15	18 18	18 5	14 33	11 19	6 10
T 23	21 49	4s 8	2 59	21 13	0 25	23 35	0 33	6 16	0 46	22 19	0 31	13 46	2 7	23 39	0 12	8 52	1 2	24 4	1 15	18 19	18 5	14 36	11 19	6 10
W24	21 59	10 37	1 47	21 37	0 32	23 43	0 35	6 0	0 44	22 18	0 31	13 48	2 7	23 39	0 12	8 52	1 2	24 4	1 15	18 19	18 4	14 39	11 19	6 10
T 25	22 8	16 37	0 26	22 0	0 38	23 51	0 37	5 45	0 42	22 18	0 31	13 50	2 8	23 39	0 12	8 52	1 2	24 4	1 15	18 19	18 3	14 42	11 18	6 9
F 26	22 16	21 37	0s57	22 23	0 44	23 58	0 40	5 30	0 41	22 17	0 31	13 52	2 8	23 39	0 12	8 52	1 2	24 4	1 15	18 19	18 2	14 45	11 18	6 9
S 27	22 24	25 10	2 15	22 44	0 50	24 4	0 42	5 15	0 39	22 16	0 31	13 54	2 8	23 39	0 12	8 52	1 2	24 4	1 16	18 19	18 1	14 48	11 18	6 8
S 28	22 32	26 55	3 24	23 4	0 56	24 10	0 44	4 59	0 37	22 15	0 31	13 56	2 8	23 38	0 12	8 52	1 2	24 3	1 16	18 18	18 0	14 51	11 17	6 8
M29	22 39	26 46	4 17	23 22	1 2	24 15	0 46	4 44	0 35	22 15	0 30	13 57	2 8	23 38	0 12	8 52	1 2	24 3	1 16	18 17	17 59	14 53	11 17	6 8
T 30	22s46	24s52	4s54	23s40	1s 8	24s19	0s48	4s28	0s33	22n14	0s30	13s59	2n 8	23n38	0n12	8n52	1n 2	24s 3	1s16	18n16	17n59	14n56	11s16	6n 7

Julian Day Number = 2187786.5, Delta T = 10m59s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'08, Lahiri = 13°47'09 Julian Calendar 1 Nov. 1277 == Greg. Calendar 8 Nov. 1277

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ASTRODIENST EPHEMERIS for the year 1277
geocentric

DECEMBER 1277 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 8 43	16♐43'17	14♒18	15♐22	28♐33	20♓36	15°R18	13♏50	24°R57	9♍51	14♑ 0	21°R41	20♉34	12♉34	12♒25	W 1
T 2	5 12 40	17°44'26	27°30	16°56	29°48	21°12	15♊10	13°56	24♊54	9°51	14° 2	21♉39	20°31	12°41	12°28	T 2
F 3	5 16 37	18°45'35	10♓16	18°31	1♑ 3	21°47	15° 2	14° 3	24°52	9°51	14° 4	21°37	20°28	12°47	12°31	F 3
S 4	5 20 33	19°46'44	22°40	20° 6	2°19	22°22	14°54	14° 9	24°49	9°R51	14° 6	21°D37	20°24	12°54	12°34	S 4
S 5	5 24 30	20°47'53	4♈48	21°42	3°34	22°58	14°45	14°15	24°47	9°51	14° 8	21°38	20°21	13° 1	12°37	S 5
M 6	5 28 26	21°49'03	16°44	23°17	4°49	23°33	14°37	14°21	24°44	9°51	14°10	21°39	20°18	13° 7	12°40	M 6
T 7	5 32 23	22°50'13	28°33	24°53	6° 4	24° 9	14°29	14°27	24°42	9°51	14°11	21°41	20°15	13°14	12°44	T 7
W 8	5 36 19	23°51'22	10♉20	26°29	7°20	24°45	14°21	14°33	24°39	9°51	14°13	21°43	20°12	13°20	12°47	W 8
T 9	5 40 16	24°52'32	22° 8	28° 5	8°35	25°21	14°14	14°39	24°36	9°51	14°15	21°R43	20° 8	13°27	12°50	T 9
F 10	5 44 12	25°53'42	4♊ 2	29°42	9°50	25°57	14° 6	14°45	24°34	9°51	14°17	21°42	20° 5	13°34	12°53	F 10
S 11	5 48 9	26°54'52	16° 3	1♑19	11° 5	26°33	13°58	14°51	24°31	9°50	14°19	21°40	20° 2	13°40	12°57	S 11
S 12	5 52 6	27°56'02	28°15	2°56	12°21	27° 9	13°50	14°57	24°29	9°50	14°21	21°35	19°59	13°47	13° 0	S 12
M13	5 56 2	28°57'13	10♋37	4°33	13°36	27°45	13°43	15° 3	24°26	9°50	14°23	21°29	19°56	13°54	13° 3	M13
T 14	5 59 59	29°58'23	23°12	6°11	14°51	28°22	13°35	15° 9	24°24	9°50	14°25	21°22	19°53	14° 0	13° 7	T 14
W15	6 3 55	0♑59'34	5♌59	7°49	16° 6	28°58	13°28	15°14	24°21	9°49	14°27	21°15	19°49	14° 7	13°10	W15
T 16	6 7 52	2° 0'44	18°58	9°27	17°22	29°35	13°20	15°20	24°18	9°49	14°29	21° 8	19°46	14°14	13°14	T 16
F 17	6 11 48	3° 1'55	2♍10	11° 6	18°37	0♈11	13°13	15°26	24°16	9°48	14°31	21° 3	19°43	14°20	13°17	F 17
S 18	6 15 45	4° 3'06	15°36	12°44	19°52	0°48	13° 6	15°31	24°13	9°48	14°33	20°59	19°40	14°27	13°21	S 18
S 19	6 19 41	5° 4'17	29°15	14°23	21° 7	1°25	12°59	15°37	24°11	9°48	14°35	20°D57	19°37	14°34	13°24	S 19
M20	6 23 38	6° 5'28	13♎ 8	16° 2	22°22	2° 1	12°52	15°42	24° 8	9°47	14°37	20°57	19°34	14°40	13°28	M20
T 21	6 27 35	7° 6'39	27°16	17°41	23°37	2°38	12°45	15°47	24° 6	9°47	14°39	20°58	19°30	14°47	13°32	T 21
W22	6 31 31	8° 7'50	11♏36	19°20	24°53	3°15	12°38	15°53	24° 3	9°46	14°41	21° 0	19°27	14°54	13°35	W22
T 23	6 35 28	9° 9'02	26° 8	20°59	26° 8	3°52	12°32	15°58	24° 1	9°45	14°43	21°R 0	19°24	15° 0	13°39	T 23
F 24	6 39 24	10°10'13	10♐47	22°38	27°23	4°29	12°25	16° 3	23°58	9°45	14°44	20°58	19°21	15° 7	13°43	F 24
S 25	6 43 21	11°11'24	25°28	24°16	28°38	5° 6	12°19	16° 8	23°56	9°44	14°46	20°54	19°18	15°13	13°47	S 25
S 26	6 47 17	12°12'35	10♑ 3	25°54	29°53	5°44	12°13	16°13	23°53	9°43	14°48	20°48	19°14	15°20	13°50	S 26
M27	6 51 14	13°13'46	24°25	27°31	1♒ 8	6°21	12° 7	16°18	23°51	9°43	14°50	20°39	19°11	15°27	13°54	M27
T 28	6 55 11	14°14'56	8♒28	29° 7	2°23	6°58	12° 1	16°23	23°49	9°42	14°52	20°30	19° 8	15°33	13°58	T 28
W29	6 59 7	15°16'05	22° 9	0♒43	3°38	7°35	11°55	16°27	23°46	9°41	14°54	20°20	19° 5	15°40	14° 2	W29
T 30	7 3 4	16°17'13	5♓24	2°16	4°53	8°13	11°49	16°32	23°44	9°40	14°56	20°12	19° 2	15°47	14° 6	T 30
F 31	7 7 0	17♑18'21	18♓14	3♒48	6♒ 8	8♈50	11♊44	16♏37	23♊42	9♍39	14♑58	20♉ 6	18♉59	15♉53	14♒10	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s52	21s34	5s12	23s56	1s13	24s22	0s50	4s13	0s31	22n13	0s30	14s 1	2n 8	23n38	0n12	8n52	1n 2	24s 3	1s16	18n15	17n58	14n59	11s16	6n 7
T 2	22 58	17 17	5 13	24 11	1 18	24 25	0 52	3 57	0 30	22 12	0 30	14 3	2 8	23 38	0 12	8 52	1 2	24 3	1 16	18 15	17 57	15 2	11 16	6 7
F 3	23 3	12 21	4 58	24 25	1 23	24 26	0 54	3 42	0 28	22 12	0 30	14 5	2 8	23 38	0 12	8 52	1 2	24 3	1 16	18 14	17 56	15 5	11 15	6 6
S 4	23 8	7 3	4 30	24 38	1 28	24 27	0 56	3 26	0 26	22 11	0 30	14 6	2 8	23 38	0 12	8 52	1 2	24 3	1 16	18 14	17 55	15 8	11 15	6 6
S 5	23 13	1 36	3 50	24 49	1 33	24 28	0 58	3 11	0 24	22 10	0 30	14 8	2 8	23 38	0 12	8 52	1 2	24 3	1 16	18 15	17 54	15 11	11 14	6 6
M 6	23 17	3n50	3 0	24 59	1 37	24 27	1 0	2 55	0 23	22 9	0 29	14 10	2 8	23 38	0 12	8 52	1 2	24 2	1 16	18 15	17 54	15 13	11 14	6 5
T 7	23 20	9 5	2 4	25 8	1 42	24 26	1 2	2 39	0 21	22 9	0 29	14 12	2 9	23 38	0 12	8 52	1 2	24 2	1 16	18 15	17 53	15 16	11 13	6 5
W 8	23 23	14 0	1 2	25 15	1 46	24 24	1 4	2 23	0 19	22 8	0 29	14 13	2 9	23 38	0 12	8 52	1 2	24 2	1 16	18 16	17 52	15 19	11 12	6 5
T 9	23 26	18 25	0n 2	25 20	1 49	24 21	1 6	2 8	0 18	22 7	0 29	14 15	2 9	23 37	0 12	8 52	1 3	24 2	1 16	18 16	17 51	15 22	11 12	6 4
F 10	23 28	22 8	1 7	25 25	1 53	24 18	1 8	1 52	0 16	22 6	0 29	14 17	2 9	23 37	0 12	8 52	1 3	24 2	1 16	18 16	17 50	15 25	11 11	6 4
S 11	23 30	24 56	2 9	25 27	1 56	24 13	1 9	1 36	0 15	22 6	0 29	14 18	2 9	23 37	0 12	8 53	1 3	24 2	1 17	18 15	17 49	15 28	11 11	6 4
S 12	23 31	26 37	3 6	25 29	1 58	24 8	1 11	1 20	0 13	22 5	0 28	14 20	2 9	23 37	0 12	8 53	1 3	24 2	1 17	18 14	17 48	15 30	11 10	6 3
M13	23 32	27 1	3 55	25 28	2 1	24 2	1 13	1 4	0 12	22 4	0 28	14 21	2 9	23 37	0 12	8 53	1 3	24 2	1 17	18 12	17 48	15 33	11 9	6 3
T 14	23 32	26 1	4 33	25 26	2 3	23 56	1 14	0 49	0 10	22 3	0 28	14 23	2 9	23 37	0 12	8 53	1 3	24 1	1 17	18 11	17 47	15 36	11 9	6 3
W15	23 32	23 40	4 59	25 23	2 5	23 49	1 16	0 33	0 9	22 3	0 28	14 25	2 9	23 37	0 12	8 53	1 3	24 1	1 17	18 9	17 46	15 39	11 8	6 3
T 16	23 31	20 5	5 9	25 18	2 6	23 41	1 17	0 17	0 7	22 2	0 28	14 26	2 9	23 37	0 12	8 53	1 3	24 1	1 17	18 7	17 45	15 42	11 7	6 2
F 17	23 30	15 28	5 4	25 11	2 7	23 32	1 19	0 1	0 6	22 1	0 28	14 28	2 10	23 37	0 12	8 53	1 3	24 1	1 17	18 5	17 44	15 45	11 7	6 2
S 18	23 28	10 1	4 42	25 2	2 8	23 23	1 20	0n15	0 4	22 0	0 27	14 29	2 10	23 37	0 12	8 54	1 3	24 1	1 17	18 4	17 43	15 47	11 6	6 2
S 19	23 26	4 1	4 3	24 52	2 8	23 12	1 21	0 31	0 3	22 0	0 27	14 30	2 10	23 36	0 12	8 54	1 3	24 1	1 17	18 4	17 42	15 50	11 5	6 2
M20	23 24	2s17	3 10	24 40	2 7	23 2	1 23	0 47	0 2	21 59	0 27	14 32	2 10	23 36	0 12	8 54	1 3	24 1	1 17	18 4	17 42	15 53	11 4	6 1
T 21	23 21	8 36	2 5	24 27	2 7	22 50	1 24	1 3	0 0	21 58	0 27	14 33	2 10	23 36	0 12	8 54	1 3	24 0	1 17	18 4	17 41	15 56	11 4	6 1
W22	23 17	14 34	0 51	24 12	2 5	22 38	1 25	1 19	0n 1	21 58	0 27	14 35	2 10	23 36	0 12	8 55	1 3	24 0	1 17	18 5	17 40	15 59	11 3	6 1
T 23	23 13	19 49	0s28	23 55	2 3	22 25	1 26	1 35	0 2	21 57	0 26	14 36	2 10	23 36	0 12	8 55	1 3	24 0	1 18	18 5	17 39	16 1	11 2	6 1
F 24	23 9	23 53	1 45	23 37	2 1	22 11	1 27	1 51	0 3	21 56	0 26	14 37	2 11	23 36	0 12	8 55	1 3	24 0	1 18	18 4	17 38	16 4	11 1	6 0
S 25	23 4	26 22	2 55	23 17	1 58	21 57	1 28	2 6	0 5	21 56	0 26	14 39	2 11	23 36	0 12	8 55	1 3	24 0	1 18	18 3	17 37	16 7	11 0	6 0
S 26	22 58	27 1	3 53	22 55	1 54	21 42	1 29	2 22	0 6	21 55	0 26	14 40	2 11	23 36	0 12	8 56	1 3	24 0	1 18	18 1	17 36	16 10	10 59	6 0
M27	22 52	25 50	4 35	22 32	1 49	21 27	1 30	2 38	0 7	21 55	0 26	14 41	2 11	23 36	0 12	8 56	1 3	24 0	1 18	17 59	17 35	16 13	10 59	6 0
T 28	22 46	23 2	4 59	22 7	1 44	21 10	1 30	2 54	0 8	21 54	0 26	14 42	2 11	23 36	0 12	8 56	1 3	24 0	1 18	17 57	17 35	16 15	10 58	5 59
W29	22 39	19 0	5 6	21 41	1 38	20 54	1 31	3 10	0 10	21 53	0 25	14 44	2 11	23 35	0 12	8 57	1 3	23 59	1 18	17 54	17 34	16 18	10 57	5 59
T 30	22 32	14 8	4 55	21 13	1 31	20 36	1 32	3 26	0 11	21 53	0 25	14 45	2 11	23 35	0 12	8 57	1 3	23 59	1 18	17 52	17 33	16 21	10 56	5 59
F 31	22s25	8s48	4s30	20s44	1s24	20s18	1s32	3n42	0n12	21n52	0s25	14s46	2n12	23n35	0n12	8n57	1n 3	23s59	1s18	17n50	17n32	16n24	10s55	5n59

Julian Day Number = 2187816.5, Delta T = 10m59s
Ecliptic obliquity = 23°32'04, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'12, Lahiri = 13°47'13 Julian Calendar 1 Dec. 1277 == Greg. Calendar 8 Dec. 1277

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

JANUARY 1278 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 10 57	18♑19'27	0♈43	5♒18	7♒23	9♈28	11°R39	16♏41	23°R39	9°R39	15♑ 0	20°R 2	18♉55	16♉ 0	14♒14	S 1
S 2	7 14 53	19°20'33	12°53	6°44	8°38	10° 5	11♊34	16°46	23♊37	9♍38	15° 2	20♉ 0	18°52	16° 7	14°18	S 2
M 3	7 18 50	20°21'37	24°50	8° 8	9°53	10°43	11°29	16°50	23°35	9°37	15° 4	20°D 0	18°49	16°13	14°22	M 3
T 4	7 22 46	21°22'41	6♉39	9°28	11° 8	11°21	11°24	16°55	23°33	9°36	15° 6	20° 1	18°46	16°20	14°26	T 4
W 5	7 26 43	22°23'44	18°26	10°43	12°23	11°58	11°20	16°59	23°31	9°35	15° 8	20°R 1	18°43	16°27	14°30	W 5
T 6	7 30 40	23°24'46	0♊16	11°53	13°38	12°36	11°15	17° 3	23°28	9°34	15°10	20° 1	18°40	16°33	14°34	T 6
F 7	7 34 36	24°25'46	12°13	12°57	14°53	13°14	11°11	17° 7	23°26	9°33	15°12	19°58	18°36	16°40	14°38	F 7
S 8	7 38 33	25°26'46	24°22	13°54	16° 8	13°51	11° 7	17°11	23°24	9°32	15°14	19°53	18°33	16°47	14°42	S 8
S 9	7 42 29	26°27'45	6♋45	14°44	17°23	14°29	11° 3	17°15	23°22	9°31	15°16	19°45	18°30	16°53	14°47	S 9
M10	7 46 26	27°28'42	19°24	15°25	18°37	15° 7	11° 0	17°19	23°20	9°29	15°18	19°35	18°27	17° 0	14°51	M10
T 11	7 50 22	28°29'39	2♌19	15°57	19°52	15°45	10°56	17°23	23°18	9°28	15°20	19°23	18°24	17° 6	14°55	T 11
W12	7 54 19	29°30'34	15°29	16°19	21° 7	16°23	10°53	17°26	23°16	9°27	15°22	19°10	18°20	17°13	14°59	W12
T 13	7 58 15	0♒31'29	28°52	16°30	22°22	17° 1	10°50	17°30	23°14	9°26	15°24	18°58	18°17	17°20	15° 3	T 13
F 14	8 2 12	1°32'22	12♍26	16°R30	23°36	17°39	10°47	17°33	23°12	9°25	15°26	18°48	18°14	17°26	15° 8	F 14
S 15	8 6 9	2°33'15	26°10	16°19	24°51	18°17	10°45	17°37	23°11	9°23	15°28	18°41	18°11	17°33	15°12	S 15
S 16	8 10 5	3°34'06	10♎ 0	15°57	26° 6	18°55	10°42	17°40	23° 9	9°22	15°30	18°36	18° 8	17°40	15°16	S 16
M17	8 14 2	4°34'57	23°57	15°24	27°20	19°33	10°40	17°43	23° 7	9°21	15°32	18°34	18° 5	17°46	15°20	M17
T 18	8 17 58	5°35'47	7♏58	14°41	28°35	20°11	10°38	17°46	23° 5	9°20	15°34	18°D34	18° 1	17°53	15°24	T 18
W19	8 21 55	6°36'36	22° 5	13°50	29°49	20°49	10°36	17°50	23° 4	9°18	15°36	18°R34	17°58	18° 0	15°29	W19
T 20	8 25 51	7°37'24	6♐16	12°51	1♓ 4	21°27	10°34	17°52	23° 2	9°17	15°37	18°33	17°55	18° 6	15°33	T 20
F 21	8 29 48	8°38'11	20°29	11°46	2°18	22° 5	10°33	17°55	23° 0	9°16	15°39	18°30	17°52	18°13	15°37	F 21
S 22	8 33 44	9°38'57	4♑41	10°37	3°33	22°43	10°32	17°58	22°59	9°14	15°41	18°24	17°49	18°20	15°42	S 22
S 23	8 37 41	10°39'42	18°50	9°26	4°47	23°21	10°31	18° 1	22°57	9°13	15°43	18°15	17°46	18°26	15°46	S 23
M24	8 41 38	11°40'26	2♒50	8°15	6° 2	23°59	10°30	18° 3	22°56	9°11	15°45	18° 3	17°42	18°33	15°50	M24
T 25	8 45 34	12°41'08	16°36	7° 6	7°16	24°38	10°29	18° 6	22°54	9°10	15°47	17°50	17°39	18°39	15°55	T 25
W26	8 49 31	13°41'48	0♓ 4	6° 1	8°30	25°16	10°29	18° 8	22°53	9° 8	15°49	17°37	17°36	18°46	15°59	W26
T 27	8 53 27	14°42'27	13°13	5° 0	9°45	25°54	10°28	18°11	22°52	9° 7	15°50	17°25	17°33	18°53	16° 3	T 27
F 28	8 57 24	15°43'05	26° 0	4° 6	10°59	26°32	10°D28	18°13	22°50	9° 5	15°52	17°15	17°30	18°59	16° 7	F 28
S 29	9 1 20	16°43'40	8♈28	3°18	12°13	27°11	10°29	18°15	22°49	9° 4	15°54	17° 8	17°26	19° 6	16°12	S 29
S 30	9 5 17	17°44'14	20°39	2°37	13°27	27°49	10°29	18°17	22°48	9° 2	15°56	17° 4	17°23	19°13	16°16	S 30
M31	9 9 13	18♒44'46	2♉37	2♒ 4	14♓42	28♈27	10♊29	18♏19	22♊47	9♍ 1	15♑57	17♉ 2	17♉20	19♉19	16♒20	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s17	3s16	3s53	20s15	1s16	20s 0	1s33	3n58	0n13	21n52	0s25	14s47	2n12	23n35	0n12	8n58	1n 3	23s59	1s18	17n49	17n31	16n26	10s54	5n59
S 2	22 8	2n16	3 5	19 44	1 6	19 40	1 33	4 14	0 14	21 51	0 25	14 48	2 12	23 35	0 12	8 58	1 4	23 59	1 18	17 49	17 30	16 29	10 53	5 58
M 3	21 59	7 38	2 11	19 13	0 56	19 21	1 34	4 29	0 15	21 51	0 24	14 49	2 12	23 35	0 12	8 59	1 4	23 59	1 18	17 49	17 29	16 32	10 52	5 58
T 4	21 50	12 40	1 11	18 41	0 45	19 0	1 34	4 45	0 16	21 50	0 24	14 50	2 12	23 35	0 12	8 59	1 4	23 59	1 19	17 49	17 28	16 35	10 51	5 58
W 5	21 40	17 15	0 9	18 9	0 33	18 40	1 34	5 1	0 17	21 50	0 24	14 52	2 12	23 35	0 12	8 59	1 4	23 58	1 19	17 49	17 28	16 37	10 50	5 58
T 6	21 30	21 10	0n54	17 37	0 20	18 18	1 34	5 17	0 18	21 50	0 24	14 53	2 13	23 35	0 12	9 0	1 4	23 58	1 19	17 49	17 27	16 40	10 49	5 58
F 7	21 19	24 15	1 56	17 5	0 6	17 56	1 34	5 32	0 19	21 49	0 24	14 54	2 13	23 34	0 12	9 0	1 4	23 58	1 19	17 48	17 26	16 43	10 48	5 58
S 8	21 8	26 17	2 52	16 35	0n 9	17 34	1 34	5 48	0 20	21 49	0 23	14 54	2 13	23 34	0 12	9 1	1 4	23 58	1 19	17 47	17 25	16 46	10 47	5 57
S 9	20 57	27 3	3 42	16 6	0 24	17 11	1 34	6 4	0 21	21 48	0 23	14 55	2 13	23 34	0 12	9 1	1 4	23 58	1 19	17 45	17 24	16 48	10 46	5 57
M10	20 45	26 26	4 22	15 38	0 40	16 48	1 34	6 19	0 22	21 48	0 23	14 56	2 13	23 34	0 12	9 2	1 4	23 58	1 19	17 42	17 23	16 51	10 45	5 57
T 11	20 33	24 24	4 49	15 12	0 57	16 24	1 34	6 35	0 23	21 48	0 23	14 57	2 13	23 34	0 12	9 2	1 4	23 58	1 19	17 39	17 22	16 54	10 44	5 57
W12	20 20	21 3	5 1	14 49	1 15	16 0	1 34	6 50	0 24	21 48	0 23	14 58	2 14	23 34	0 12	9 3	1 4	23 57	1 19	17 35	17 21	16 57	10 43	5 57
T 13	20 7	16 33	4 57	14 29	1 32	15 35	1 34	7 6	0 25	21 47	0 22	14 59	2 14	23 34	0 12	9 3	1 4	23 57	1 19	17 32	17 21	16 59	10 42	5 57
F 14	19 54	11 11	4 37	14 12	1 50	15 10	1 33	7 21	0 26	21 47	0 22	15 0	2 14	23 34	0 12	9 4	1 4	23 57	1 20	17 29	17 20	17 2	10 41	5 57
S 15	19 40	5 12	4 0	13 59	2 7	14 45	1 33	7 37	0 27	21 47	0 22	15 0	2 14	23 34	0 12	9 4	1 4	23 57	1 20	17 27	17 19	17 5	10 40	5 56
S 16	19 26	1s 5	3 9	13 49	2 24	14 19	1 32	7 52	0 28	21 47	0 22	15 1	2 14	23 34	0 12	9 5	1 4	23 57	1 20	17 26	17 18	17 8	10 38	5 56
M17	19 12	7 22	2 7	13 44	2 40	13 53	1 31	8 7	0 29	21 47	0 22	15 2	2 14	23 34	0 12	9 5	1 4	23 57	1 20	17 25	17 17	17 10	10 37	5 56
T 18	18 57	13 21	0 56	13 42	2 55	13 26	1 31	8 22	0 30	21 47	0 21	15 3	2 15	23 33	0 12	9 6	1 4	23 57	1 20	17 25	17 16	17 13	10 36	5 56
W19	18 42	18 40	0s19	13 44	3 8	12 59	1 30	8 38	0 31	21 46	0 21	15 3	2 15	23 33	0 12	9 6	1 4	23 57	1 20	17 25	17 15	17 16	10 35	5 56
T 20	18 26	22 57	1 32	13 50	3 20	12 32	1 29	8 53	0 31	21 46	0 21	15 4	2 15	23 33	0 12	9 7	1 4	23 57	1 20	17 25	17 14	17 18	10 34	5 56
F 21	18 10	25 51	2 40	13 59	3 29	12 4	1 28	9 8	0 32	21 46	0 21	15 5	2 15	23 33	0 12	9 7	1 4	23 56	1 20	17 24	17 13	17 21	10 33	5 56
S 22	17 54	27 5	3 38	14 10	3 36	11 36	1 27	9 23	0 33	21 46	0 21	15 5	2 15	23 33	0 12	9 8	1 4	23 56	1 20	17 22	17 13	17 24	10 32	5 56
S 23	17 38	26 32	4 22	14 25	3 41	11 8	1 26	9 38	0 34	21 46	0 20	15 6	2 16	23 33	0 12	9 8	1 4	23 56	1 20	17 20	17 12	17 27	10 30	5 56
M24	17 21	24 18	4 50	14 41	3 43	10 39	1 25	9 53	0 35	21 47	0 20	15 6	2 16	23 33	0 12	9 9	1 4	23 56	1 21	17 17	17 11	17 29	10 29	5 56
T 25	17 4	20 41	5 0	14 58	3 43	10 10	1 24	10 8	0 35	21 47	0 20	15 7	2 16	23 33	0 12	9 9	1 4	23 56	1 21	17 13	17 10	17 32	10 28	5 56
W26	16 47	16 3	4 53	15 16	3 41	9 41	1 23	10 22	0 36	21 47	0 20	15 7	2 16	23 33	0 12	9 10	1 4	23 56	1 21	17 9	17 9	17 35	10 27	5 56
T 27	16 29	10 47	4 31	15 35	3 37	9 12	1 21	10 37	0 37	21 47	0 20	15 8	2 16	23 33	0 12	9 11	1 4	23 56	1 21	17 6	17 8	17 37	10 26	5 56
F 28	16 11	5 11	3 55	15 54	3 31	8 43	1 20	10 52	0 38	21 47	0 20	15 8	2 17	23 33	0 12	9 11	1 4	23 56	1 21	17 3	17 7	17 40	10 24	5 56
S 29	15 53	0n29	3 9	16 12	3 23	8 13	1 19	11 6	0 38	21 47	0 19	15 8	2 17	23 33	0 12	9 12	1 4	23 56	1 21	17 1	17 6	17 43	10 23	5 56
S 30	15 35	6 1	2 15	16 30	3 14	7 43	1 17	11 21	0 39	21 48	0 19	15 9	2 17	23 33	0 12	9 12	1 4	23 55	1 21	17 0	17 5	17 45	10 22	5 55
M31	15s16	11n15	1s16	16s48	3n 4	7s13	1s15	11n35	0n40	21n48	0s19	15s 9	2n17	23n32	0n12	9n13	1n 4	23s55	1s21	16n59	17n 4	17n48	10s21	5n55

Julian Day Number = 2187847.5, Delta T = 10m59s
Ecliptic obliquity = 23°32'05, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'17, Lahiri = 13°47'17 Julian Calendar 1 Jan. 1278 == Greg. Calendar 8 Jan. 1278

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

FEBRUARY 1278 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 13 10	19♒45'16	14♉27	1°R39	15♓56	29♈ 6	10♊30	18♏21	22°R46	8°R59	15♑59	17°R 1	17♉17	19♉26	16♒25	T 1
W 2	9 17 7	20°45'45	26°14	1♒21	17°10	29°44	10°31	18°22	22♊45	8♍58	16° 1	17♉ 1	17°14	19°33	16°29	W 2
T 3	9 21 3	21°46'11	8♊ 5	1°10	18°24	0♉22	10°32	18°24	22°44	8°56	16° 3	17° 1	17°11	19°39	16°33	T 3
F 4	9 25 0	22°46'36	20° 4	1°D 7	19°38	1° 0	10°34	18°25	22°43	8°55	16° 4	16°58	17° 7	19°46	16°38	F 4
S 5	9 28 56	23°46'58	2♋17	1°11	20°52	1°39	10°35	18°27	22°42	8°53	16° 6	16°53	17° 4	19°53	16°42	S 5
S 6	9 32 53	24°47'19	14°47	1°21	22° 6	2°17	10°37	18°28	22°41	8°51	16° 8	16°45	17° 1	19°59	16°46	S 6
M 7	9 36 49	25°47'38	27°37	1°37	23°19	2°56	10°39	18°29	22°40	8°50	16° 9	16°35	16°58	20° 6	16°50	M 7
T 8	9 40 46	26°47'55	10♌48	1°58	24°33	3°34	10°41	18°30	22°40	8°48	16°11	16°23	16°55	20°13	16°55	T 8
W 9	9 44 42	27°48'10	24°19	2°25	25°47	4°12	10°44	18°31	22°39	8°47	16°12	16°10	16°52	20°19	16°59	W 9
T 10	9 48 39	28°48'23	8♍ 7	2°57	27° 1	4°51	10°46	18°32	22°38	8°45	16°14	15°58	16°48	20°26	17° 3	T 10
F 11	9 52 36	29°48'34	22° 8	3°33	28°14	5°29	10°49	18°33	22°38	8°43	16°15	15°47	16°45	20°32	17° 7	F 11
S 12	9 56 32	0♓48'44	6♎18	4°14	29°28	6° 7	10°52	18°34	22°37	8°42	16°17	15°40	16°42	20°39	17°11	S 12
S 13	10 0 29	1°48'52	20°32	4°58	0♈41	6°46	10°55	18°34	22°37	8°40	16°19	15°35	16°39	20°46	17°16	S 13
M14	10 4 25	2°48'58	4♏45	5°46	1°55	7°24	10°58	18°35	22°36	8°38	16°20	15°33	16°36	20°52	17°20	M14
T 15	10 8 22	3°49'03	18°57	6°38	3° 8	8° 2	11° 2	18°35	22°36	8°37	16°21	15°D32	16°32	20°59	17°24	T 15
W16	10 12 18	4°49'06	3♐ 4	7°32	4°22	8°41	11° 5	18°36	22°35	8°35	16°23	15°R33	16°29	21° 6	17°28	W16
T 17	10 16 15	5°49'08	17° 6	8°30	5°35	9°19	11° 9	18°36	22°35	8°33	16°24	15°32	16°26	21°12	17°32	T 17
F 18	10 20 11	6°49'08	1♑ 3	9°30	6°48	9°58	11°13	18°R36	22°35	8°32	16°26	15°30	16°23	21°19	17°36	F 18
S 19	10 24 8	7°49'06	14°53	10°33	8° 2	10°36	11°17	18°36	22°35	8°30	16°27	15°25	16°20	21°26	17°41	S 19
S 20	10 28 5	8°49'03	28°35	11°38	9°15	11°14	11°22	18°36	22°35	8°28	16°29	15°18	16°17	21°32	17°45	S 20
M21	10 32 1	9°48'58	12♒ 8	12°46	10°28	11°53	11°26	18°36	22°D35	8°27	16°30	15° 8	16°13	21°39	17°49	M21
T 22	10 35 58	10°48'51	25°29	13°55	11°41	12°31	11°31	18°35	22°35	8°25	16°31	14°57	16°10	21°46	17°53	T 22
W23	10 39 54	11°48'42	8♓36	15° 7	12°54	13° 9	11°36	18°35	22°35	8°23	16°33	14°45	16° 7	21°52	17°57	W23
T 24	10 43 51	12°48'31	21°28	16°21	14° 7	13°48	11°41	18°34	22°35	8°22	16°34	14°35	16° 4	21°59	18° 1	T 24
F 25	10 47 47	13°48'18	4♈ 4	17°36	15°20	14°26	11°46	18°34	22°35	8°20	16°35	14°26	16° 1	22° 5	18° 5	F 25
S 26	10 51 44	14°48'03	16°24	18°54	16°33	15° 5	11°51	18°33	22°35	8°18	16°36	14°19	15°58	22°12	18° 9	S 26
S 27	10 55 40	15°47'45	28°31	20°13	17°45	15°43	11°57	18°32	22°35	8°17	16°37	14°16	15°54	22°19	18°13	S 27
M28	10 59 37	16♓47'26	10♉28	21♒33	18♈58	16♉21	12♊ 3	18♏31	22♊36	8♍15	16♑39	14°D14	15♉51	22♉25	18♒16	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s57	16n 1	0s14	17s 4	2n53	6s42	1s14	11n50	0n41	21n48	0s19	15s 9	2n17	23n32	0n12	9n14	1n 4	23s55	1s21	16n59	17n 4	17n51	10s19	5n55
W 2	14 38	20 11	0n49	17 19	2 41	6 12	1 12	12 4	0 41	21 48	0 19	15 10	2 18	23 32	0 12	9 14	1 4	23 55	1 22	16 59	17 3	17 53	10 18	5 55
T 3	14 18	23 32	1 49	17 34	2 29	5 41	1 10	12 18	0 42	21 49	0 18	15 10	2 18	23 32	0 12	9 15	1 5	23 55	1 22	16 59	17 2	17 56	10 17	5 55
F 4	13 59	25 55	2 45	17 47	2 16	5 10	1 8	12 32	0 43	21 49	0 18	15 10	2 18	23 32	0 12	9 15	1 5	23 55	1 22	16 58	17 1	17 59	10 16	5 55
S 5	13 39	27 6	3 35	17 58	2 3	4 39	1 6	12 46	0 43	21 50	0 18	15 10	2 18	23 32	0 12	9 16	1 5	23 55	1 22	16 57	17 0	18 1	10 14	5 55
S 6	13 19	26 57	4 16	18 9	1 50	4 8	1 4	13 0	0 44	21 50	0 18	15 11	2 18	23 32	0 12	9 17	1 5	23 55	1 22	16 55	16 59	18 4	10 13	5 55
M 7	12 58	25 22	4 45	18 18	1 38	3 37	1 2	13 14	0 44	21 50	0 18	15 11	2 19	23 32	0 12	9 17	1 5	23 55	1 22	16 52	16 58	18 7	10 12	5 55
T 8	12 38	22 23	4 59	18 25	1 25	3 6	1 0	13 28	0 45	21 51	0 17	15 11	2 19	23 32	0 12	9 18	1 5	23 55	1 22	16 48	16 57	18 9	10 11	5 56
W 9	12 17	18 8	4 58	18 32	1 12	2 34	0 58	13 41	0 46	21 51	0 17	15 11	2 19	23 32	0 12	9 19	1 5	23 54	1 22	16 44	16 56	18 12	10 9	5 56
T 10	11 56	12 52	4 39	18 36	1 0	2 3	0 56	13 55	0 46	21 52	0 17	15 11	2 19	23 32	0 12	9 19	1 5	23 54	1 22	16 41	16 55	18 14	10 8	5 56
F 11	11 35	6 51	4 3	18 40	0 48	1 31	0 54	14 8	0 47	21 53	0 17	15 11	2 19	23 32	0 12	9 20	1 5	23 54	1 23	16 38	16 55	18 17	10 7	5 56
S 12	11 14	0 26	3 12	18 42	0 36	1 0	0 51	14 22	0 48	21 53	0 17	15 11	2 20	23 32	0 12	9 20	1 5	23 54	1 23	16 36	16 54	18 20	10 5	5 56
S 13	10 52	6s 4	2 9	18 42	0 24	0 28	0 49	14 35	0 48	21 54	0 17	15 11	2 20	23 32	0 12	9 21	1 5	23 54	1 23	16 34	16 53	18 22	10 4	5 56
M14	10 31	12 16	0 57	18 42	0 13	0n 3	0 46	14 48	0 49	21 54	0 16	15 11	2 20	23 32	0 12	9 22	1 5	23 54	1 23	16 34	16 52	18 25	10 3	5 56
T 15	10 9	17 49	0s18	18 39	0 2	0 35	0 44	15 1	0 49	21 55	0 16	15 11	2 20	23 32	0 12	9 22	1 5	23 54	1 23	16 34	16 51	18 28	10 2	5 56
W16	9 47	22 21	1 32	18 36	0s 8	1 6	0 41	15 14	0 50	21 56	0 16	15 11	2 20	23 32	0 12	9 23	1 5	23 54	1 23	16 34	16 50	18 30	10 0	5 56
T 17	9 25	25 33	2 39	18 31	0 19	1 38	0 39	15 27	0 50	21 56	0 16	15 11	2 21	23 32	0 12	9 24	1 5	23 54	1 23	16 33	16 49	18 33	9 59	5 56
F 18	9 3	27 9	3 37	18 24	0 28	2 10	0 36	15 40	0 51	21 57	0 16	15 10	2 21	23 32	0 12	9 24	1 5	23 54	1 23	16 33	16 48	18 35	9 58	5 56
S 19	8 40	27 2	4 21	18 16	0 38	2 41	0 33	15 52	0 51	21 58	0 16	15 10	2 21	23 32	0 12	9 25	1 5	23 54	1 23	16 31	16 47	18 38	9 56	5 56
S 20	8 18	25 15	4 50	18 7	0 47	3 12	0 31	16 5	0 52	21 59	0 15	15 10	2 21	23 32	0 12	9 26	1 5	23 54	1 24	16 29	16 46	18 41	9 55	5 56
M21	7 55	22 3	5 2	17 56	0 55	3 44	0 28	16 17	0 52	22 0	0 15	15 10	2 21	23 32	0 12	9 26	1 5	23 54	1 24	16 26	16 45	18 43	9 54	5 56
T 22	7 32	17 45	4 58	17 44	1 4	4 15	0 25	16 30	0 53	22 0	0 15	15 10	2 22	23 32	0 12	9 27	1 5	23 54	1 24	16 23	16 45	18 46	9 52	5 56
W23	7 10	12 39	4 37	17 30	1 12	4 46	0 22	16 42	0 53	22 1	0 15	15 9	2 22	23 32	0 12	9 27	1 5	23 54	1 24	16 20	16 44	18 48	9 51	5 57
T 24	6 47	7 7	4 3	17 15	1 19	5 17	0 19	16 54	0 54	22 2	0 15	15 9	2 22	23 32	0 12	9 28	1 5	23 54	1 24	16 17	16 43	18 51	9 50	5 57
F 25	6 24	1 24	3 17	16 59	1 26	5 48	0 16	17 6	0 54	22 3	0 15	15 9	2 22	23 32	0 12	9 29	1 5	23 54	1 24	16 14	16 42	18 53	9 49	5 57
S 26	6 1	4n16	2 23	16 41	1 33	6 19	0 13	17 18	0 55	22 4	0 14	15 8	2 22	23 32	0 12	9 29	1 5	23 54	1 24	16 12	16 41	18 56	9 47	5 57
S 27	5 37	9 42	1 23	16 22	1 39	6 50	0 10	17 29	0 55	22 5	0 14	15 8	2 22	23 32	0 12	9 30	1 5	23 54	1 24	16 11	16 40	18 59	9 46	5 57
M28	5s14	14n42	0s20	16s 1	1s45	7n21	0s 7	17n41	0n56	22n 6	0s14	15s 7	2n23	23n32	0n12	9n31	1n 5	23s54	1s25	16n11	16n39	19n 1	9s45	5n57

Julian Day Number = 2187878.5, Delta T = 10m59s
Ecliptic obliquity = 23°32'05, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'21, Lahiri = 13°47'21 Julian Calendar 1 Feb. 1278 == Greg. Calendar 8 Feb. 1278

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

MARCH 1278 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 3 34	17♓47'04	22♉17	22♒56	20♈11	17♉ 0	12♊ 9	18°R30	22♊36	8°R13	16♑40	14♉15	15♉48	22♉32	18♒20	T 1
W 2	11 7 30	18°46'40	4♊ 5	24°20	21°23	17°38	12°15	18♏29	22°37	8♍12	16°41	14°16	15°45	22°39	18°24	W 2
T 3	11 11 27	19°46'14	15°55	25°45	22°36	18°17	12°21	18°28	22°37	8°10	16°42	14°R16	15°42	22°45	18°28	T 3
F 4	11 15 23	20°45'45	27°54	27°12	23°48	18°55	12°27	18°27	22°38	8° 9	16°43	14°16	15°38	22°52	18°32	F 4
S 5	11 19 20	21°45'15	10♋ 7	28°40	25° 0	19°33	12°34	18°25	22°38	8° 7	16°44	14°14	15°35	22°59	18°36	S 5
S 6	11 23 16	22°44'41	22°38	0♓10	26°13	20°12	12°40	18°24	22°39	8° 5	16°45	14°10	15°32	23° 5	18°39	S 6
M 7	11 27 13	23°44'06	5♌31	1°41	27°25	20°50	12°47	18°22	22°40	8° 4	16°46	14° 4	15°29	23°12	18°43	M 7
T 8	11 31 9	24°43'28	18°49	3°13	28°37	21°28	12°54	18°21	22°40	8° 2	16°47	13°57	15°26	23°19	18°47	T 8
W 9	11 35 6	25°42'48	2♍31	4°47	29°49	22° 7	13° 1	18°19	22°41	8° 1	16°48	13°49	15°23	23°25	18°50	W 9
T 10	11 39 3	26°42'05	16°36	6°23	1♉ 1	22°45	13° 9	18°17	22°42	7°59	16°49	13°41	15°19	23°32	18°54	T 10
F 11	11 42 59	27°41'21	0♎59	8° 0	2°13	23°23	13°16	18°15	22°43	7°57	16°50	13°34	15°16	23°39	18°58	F 11
S 12	11 46 56	28°40'34	15°34	9°38	3°25	24° 2	13°24	18°13	22°44	7°56	16°51	13°29	15°13	23°45	19° 1	S 12
S 13	11 50 52	29°39'46	0♏14	11°17	4°36	24°40	13°31	18°11	22°45	7°54	16°52	13°27	15°10	23°52	19° 5	S 13
M14	11 54 49	0♈38'55	14°53	12°58	5°48	25°18	13°39	18° 9	22°46	7°53	16°52	13°D26	15° 7	23°58	19° 8	M14
T 15	11 58 45	1°38'03	29°25	14°40	6°59	25°56	13°47	18° 6	22°47	7°51	16°53	13°27	15° 3	24° 5	19°11	T 15
W16	12 2 42	2°37'09	13♐46	16°24	8°11	26°35	13°55	18° 4	22°48	7°50	16°54	13°28	15° 0	24°12	19°15	W16
T 17	12 6 38	3°36'13	27°55	18° 9	9°22	27°13	14° 3	18° 1	22°49	7°48	16°55	13°R29	14°57	24°18	19°18	T 17
F 18	12 10 35	4°35'16	11♑48	19°56	10°34	27°51	14°12	17°59	22°51	7°47	16°55	13°29	14°54	24°25	19°22	F 18
S 19	12 14 32	5°34'17	25°28	21°44	11°45	28°30	14°20	17°56	22°52	7°46	16°56	13°27	14°51	24°32	19°25	S 19
S 20	12 18 28	6°33'16	8♒53	23°33	12°56	29° 8	14°29	17°54	22°53	7°44	16°57	13°24	14°48	24°38	19°28	S 20
M21	12 22 25	7°32'13	22° 4	25°24	14° 7	29°46	14°37	17°51	22°55	7°43	16°57	13°19	14°44	24°45	19°31	M21
T 22	12 26 21	8°31'08	5♓ 2	27°17	15°18	0♊24	14°46	17°48	22°56	7°41	16°58	13°13	14°41	24°52	19°34	T 22
W23	12 30 18	9°30'01	17°46	29°11	16°29	1° 3	14°55	17°45	22°58	7°40	16°59	13° 7	14°38	24°58	19°38	W23
T 24	12 34 14	10°28'53	0♈18	1♈ 6	17°39	1°41	15° 4	17°42	22°59	7°39	16°59	13° 2	14°35	25° 5	19°41	T 24
F 25	12 38 11	11°27'42	12°38	3° 3	18°50	2°19	15°13	17°39	23° 1	7°37	17° 0	12°57	14°32	25°12	19°44	F 25
S 26	12 42 7	12°26'29	24°47	5° 1	20° 1	2°57	15°23	17°36	23° 3	7°36	17° 0	12°54	14°29	25°18	19°47	S 26
S 27	12 46 4	13°25'15	6♉47	7° 1	21°11	3°35	15°32	17°32	23° 4	7°35	17° 1	12°53	14°25	25°25	19°50	S 27
M28	12 50 0	14°23'58	18°39	9° 2	22°21	4°14	15°42	17°29	23° 6	7°33	17° 1	12°D53	14°22	25°31	19°52	M28
T 29	12 53 57	15°22'39	0♊27	11° 4	23°32	4°52	15°51	17°26	23° 8	7°32	17° 1	12°54	14°19	25°38	19°55	T 29
W30	12 57 54	16°21'18	12°14	13° 8	24°42	5°30	16° 1	17°22	23°10	7°31	17° 2	12°56	14°16	25°45	19°58	W30
T 31	13 1 50	17♈19'55	24♊ 5	15♈13	25♉52	6♊ 8	16♊11	17♏19	23♊12	7♍30	17♑ 2	12♉57	14♉13	25♉51	20♒ 1	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s51	19n 6	0n43	15s39	1s50	7n51	0s 4	17n52	0n56	22n 7	0s14	15s 7	2n23	23n32	0n12	9n31	1n 5	23s53	1s25	16n11	16n38	19n 4	9s43	5n57
W 2	4 27	22 46	1 45	15 16	1 55	8 21	0 1	18 4	0 57	22 7	0 14	15 6	2 23	23 32	0 12	9 32	1 5	23 53	1 25	16 11	16 37	19 6	9 42	5 58
T 3	4 4	25 28	2 42	14 51	1 59	8 51	0n 2	18 15	0 57	22 8	0 14	15 6	2 23	23 32	0 12	9 32	1 5	23 53	1 25	16 11	16 36	19 9	9 41	5 58
F 4	3 40	27 4	3 33	14 25	2 3	9 21	0 5	18 26	0 57	22 9	0 13	15 5	2 23	23 32	0 12	9 33	1 5	23 53	1 25	16 11	16 35	19 11	9 39	5 58
S 5	3 17	27 23	4 15	13 58	2 7	9 51	0 8	18 37	0 58	22 10	0 13	15 5	2 24	23 32	0 12	9 34	1 5	23 53	1 25	16 10	16 34	19 14	9 38	5 58
S 6	2 53	26 20	4 46	13 29	2 10	10 20	0 12	18 48	0 58	22 11	0 13	15 4	2 24	23 32	0 12	9 34	1 5	23 53	1 25	16 9	16 33	19 16	9 37	5 58
M 7	2 30	23 52	5 4	12 59	2 13	10 49	0 15	18 58	0 59	22 12	0 13	15 4	2 24	23 32	0 12	9 35	1 5	23 53	1 25	16 7	16 33	19 19	9 36	5 58
T 8	2 6	20 5	5 6	12 28	2 15	11 18	0 18	19 9	0 59	22 14	0 13	15 3	2 24	23 32	0 12	9 35	1 5	23 53	1 26	16 5	16 32	19 22	9 34	5 58
W 9	1 43	15 9	4 51	11 55	2 17	11 47	0 21	19 19	0 59	22 15	0 13	15 2	2 24	23 32	0 12	9 36	1 5	23 53	1 26	16 3	16 31	19 24	9 33	5 59
T 10	1 19	9 17	4 19	11 21	2 19	12 15	0 25	19 30	1 0	22 16	0 12	15 2	2 24	23 32	0 12	9 37	1 5	23 53	1 26	16 0	16 30	19 27	9 32	5 59
F 11	0 55	2 48	3 29	10 46	2 19	12 44	0 28	19 40	1 0	22 17	0 12	15 1	2 25	23 32	0 12	9 37	1 5	23 53	1 26	15 58	16 29	19 29	9 30	5 59
S 12	0 32	3s55	2 25	10 9	2 20	13 11	0 31	19 50	1 0	22 18	0 12	15 0	2 25	23 32	0 12	9 38	1 5	23 54	1 26	15 57	16 28	19 32	9 29	5 59
S 13	0 8	10 30	1 11	9 31	2 20	13 39	0 34	20 0	1 1	22 19	0 12	15 0	2 25	23 32	0 12	9 38	1 5	23 54	1 26	15 56	16 27	19 34	9 28	5 59
M14	0n16	16 30	0s 8	8 52	2 19	14 6	0 38	20 9	1 1	22 20	0 12	14 59	2 25	23 32	0 12	9 39	1 5	23 54	1 26	15 56	16 26	19 37	9 27	6 0
T 15	0 39	21 30	1 26	8 11	2 18	14 33	0 41	20 19	1 1	22 21	0 12	14 58	2 25	23 32	0 12	9 39	1 5	23 54	1 26	15 56	16 25	19 39	9 25	6 0
W16	1 3	25 9	2 37	7 29	2 17	14 59	0 44	20 28	1 2	22 22	0 12	14 57	2 25	23 33	0 12	9 40	1 5	23 54	1 27	15 57	16 24	19 42	9 24	6 0
T 17	1 26	27 9	3 38	6 46	2 15	15 26	0 48	20 37	1 2	22 23	0 11	14 56	2 26	23 33	0 12	9 41	1 5	23 54	1 27	15 57	16 23	19 44	9 23	6 0
F 18	1 50	27 24	4 25	6 2	2 12	15 51	0 51	20 46	1 2	22 24	0 11	14 55	2 26	23 33	0 12	9 41	1 5	23 54	1 27	15 57	16 22	19 47	9 22	6 1
S 19	2 13	25 59	4 56	5 16	2 10	16 17	0 54	20 55	1 3	22 26	0 11	14 55	2 26	23 33	0 12	9 42	1 5	23 54	1 27	15 56	16 21	19 49	9 21	6 1
S 20	2 37	23 5	5 10	4 30	2 6	16 42	0 58	21 4	1 3	22 27	0 11	14 54	2 26	23 33	0 12	9 42	1 5	23 54	1 27	15 55	16 20	19 52	9 19	6 1
M21	3 0	19 3	5 7	3 42	2 2	17 6	1 1	21 13	1 3	22 28	0 11	14 53	2 26	23 33	0 12	9 43	1 5	23 54	1 27	15 54	16 19	19 54	9 18	6 1
T 22	3 23	14 11	4 49	2 53	1 57	17 31	1 4	21 21	1 4	22 29	0 11	14 52	2 26	23 33	0 12	9 43	1 5	23 54	1 27	15 52	16 19	19 57	9 17	6 1
W23	3 47	8 47	4 16	2 3	1 52	17 55	1 8	21 30	1 4	22 30	0 11	14 51	2 26	23 33	0 12	9 44	1 5	23 54	1 28	15 50	16 18	19 59	9 16	6 2
T 24	4 10	3 7	3 32	1 12	1 47	18 18	1 11	21 38	1 4	22 31	0 10	14 50	2 26	23 33	0 12	9 44	1 5	23 54	1 28	15 49	16 17	20 1	9 15	6 2
F 25	4 33	2n35	2 38	0 19	1 41	18 41	1 14	21 46	1 5	22 32	0 10	14 49	2 27	23 33	0 12	9 45	1 5	23 54	1 28	15 47	16 16	20 4	9 13	6 2
S 26	4 56	8 7	1 38	0n34	1 34	19 3	1 17	21 53	1 5	22 34	0 10	14 48	2 27	23 33	0 12	9 45	1 5	23 54	1 28	15 46	16 15	20 6	9 12	6 2
S 27	5 19	13 18	0 33	1 28	1 27	19 25	1 20	22 1	1 5	22 35	0 10	14 47	2 27	23 33	0 12	9 46	1 5	23 54	1 28	15 46	16 14	20 9	9 11	6 3
M28	5 42	17 57	0n32	2 23	1 20	19 47	1 24	22 9	1 5	22 36	0 10	14 46	2 27	23 33	0 12	9 46	1 5	23 54	1 28	15 46	16 13	20 11	9 10	6 3
T 29	6 5	21 53	1 35	3 18	1 12	20 8	1 27	22 16	1 6	22 37	0 10	14 45	2 27	23 34	0 12	9 47	1 5	23 54	1 28	15 46	16 12	20 14	9 9	6 3
W30	6 27	24 54	2 35	4 14	1 3	20 28	1 30	22 23	1 6	22 38	0 10	14 44	2 27	23 34	0 12	9 47	1 5	23 54	1 28	15 47	16 11	20 16	9 8	6 4
T 31	6n50	26n52	3n28	5n11	0s54	20n48	1n33	22n30	1n 6	22n39	0s10	14s43	2n27	23n34	0n12	9n47	1n 5	23s55	1s29	15n47	16n10	20n19	9s 7	6n 4

Julian Day Number = 2187906.5, Delta T = 10m59s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'25, Lahiri = 13°47'25 Julian Calendar 1 March 1278 == Greg. Calendar 8 March 1278

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

APRIL 1278 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 5 47	18♈18'29	6♋ 3	17♈18	27♉ 2	6♊46	16♊21	17°R15	23♊13	7°R29	17♎ 2	12♉59	14♉ 9	25♉58	20♒ 4	F 1
S 2	13 9 43	19°17'02	18°15	19°25	28°12	7°25	16°31	17♏11	23°15	7♍27	17° 3	12°R59	14° 6	26° 5	20° 6	S 2
S 3	13 13 40	20°15'32	0♌43	21°32	29°21	8° 3	16°41	17° 8	23°17	7°26	17° 3	12°59	14° 3	26°11	20° 9	S 3
M 4	13 17 36	21°14'00	13°34	23°40	0♊31	8°41	16°51	17° 4	23°19	7°25	17° 3	12°57	14° 0	26°18	20°11	M 4
T 5	13 21 33	22°12'26	26°50	25°48	1°40	9°19	17° 2	17° 0	23°22	7°24	17° 3	12°55	13°57	26°25	20°14	T 5
W 6	13 25 29	23°10'50	10♍32	27°56	2°50	9°57	17°12	16°56	23°24	7°23	17° 3	12°53	13°54	26°31	20°16	W 6
T 7	13 29 26	24° 9'11	24°41	0♉ 4	3°59	10°35	17°23	16°52	23°26	7°22	17° 4	12°50	13°50	26°38	20°19	T 7
F 8	13 33 23	25° 7'31	9♎12	2°11	5° 8	11°13	17°33	16°48	23°28	7°21	17° 4	12°48	13°47	26°45	20°21	F 8
S 9	13 37 19	26° 5'48	24° 2	4°18	6°17	11°51	17°44	16°44	23°30	7°20	17° 4	12°46	13°44	26°51	20°24	S 9
S 10	13 41 16	27° 4'04	9♏ 2	6°23	7°26	12°29	17°55	16°40	23°33	7°19	17° 4	12°D46	13°41	26°58	20°26	S 10
M11	13 45 12	28° 2'18	24° 4	8°27	8°34	13° 8	18° 6	16°36	23°35	7°18	17°R 4	12°46	13°38	27° 5	20°28	M11
T 12	13 49 9	29° 0'30	8♐59	10°30	9°43	13°46	18°17	16°32	23°37	7°17	17° 4	12°47	13°35	27°11	20°30	T 12
W13	13 53 5	29°58'41	23°41	12°30	10°51	14°24	18°28	16°28	23°40	7°16	17° 4	12°48	13°31	27°18	20°32	W13
T 14	13 57 2	0♑56'51	8♑ 4	14°28	11°59	15° 2	18°39	16°24	23°42	7°15	17° 4	12°48	13°28	27°25	20°34	T 14
F 15	14 0 58	1°54'59	22° 6	16°23	13° 7	15°40	18°50	16°20	23°45	7°15	17° 4	12°49	13°25	27°31	20°36	F 15
S 16	14 4 55	2°53'05	5♒46	18°15	14°15	16°18	19° 2	16°15	23°47	7°14	17° 3	12°R49	13°22	27°38	20°38	S 16
S 17	14 8 52	3°51'10	19° 5	20° 5	15°23	16°56	19°13	16°11	23°50	7°13	17° 3	12°49	13°19	27°44	20°40	S 17
M18	14 12 48	4°49'14	2♓ 5	21°51	16°31	17°34	19°24	16° 7	23°53	7°12	17° 3	12°48	13°15	27°51	20°42	M18
T 19	14 16 45	5°47'16	14°47	23°35	17°38	18°12	19°36	16° 2	23°55	7°12	17° 3	12°47	13°12	27°58	20°44	T 19
W20	14 20 41	6°45'17	27°15	25°14	18°45	18°50	19°48	15°58	23°58	7°11	17° 3	12°46	13° 9	28° 4	20°45	W20
T 21	14 24 38	7°43'16	9♈31	26°50	19°53	19°28	19°59	15°54	24° 1	7°10	17° 2	12°46	13° 6	28°11	20°47	T 21
F 22	14 28 34	8°41'14	21°36	28°23	21° 0	20° 6	20°11	15°49	24° 3	7°10	17° 2	12°45	13° 3	28°18	20°49	F 22
S 23	14 32 31	9°39'10	3♉34	29°52	22° 6	20°44	20°23	15°45	24° 6	7° 9	17° 2	12°45	13° 0	28°24	20°50	S 23
S 24	14 36 27	10°37'05	15°26	1♊17	23°13	21°22	20°35	15°40	24° 9	7° 8	17° 1	12°D45	12°56	28°31	20°52	S 24
M25	14 40 24	11°34'58	27°15	2°38	24°20	22° 0	20°47	15°36	24°12	7° 8	17° 1	12°45	12°53	28°38	20°53	M25
T 26	14 44 21	12°32'50	9♊ 2	3°56	25°26	22°38	20°59	15°31	24°15	7° 7	17° 1	12°R45	12°50	28°44	20°55	T 26
W27	14 48 17	13°30'40	20°51	5° 9	26°32	23°16	21°11	15°27	24°18	7° 7	17° 0	12°45	12°47	28°51	20°56	W27
T 28	14 52 14	14°28'29	2♋44	6°19	27°38	23°54	21°23	15°22	24°20	7° 7	17° 0	12°45	12°44	28°58	20°57	T 28
F 29	14 56 10	15°26'16	14°44	7°24	28°44	24°32	21°35	15°18	24°23	7° 6	16°59	12°45	12°41	29° 4	20°58	F 29
S 30	15 0 7	16♑24'01	26♋57	8♊26	29♊49	25♊10	21♊47	15♏13	24♊26	7♍ 6	16♎59	12♑44	12♑37	29♑11	20♒59	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n12	27n36	4n12	6n 8	0s45	21n 8	1n36	22n37	1n 6	22n41	0s 9	14s42	2n27	23n34	0n12	9n48	1n 5	23s55	1s29	15n48	16n 9	20n21	9s 5	6n 4
S 2	7 35	27 1	4 47	7 5	0 35	21 27	1 39	22 44	1 7	22 42	0 9	14 41	2 27	23 34	0 12	9 48	1 5	23 55	1 29	15 48	16 8	20 23	9 4	6 4
S 3	7 57	25 5	5 8	8 3	0 25	21 45	1 42	22 50	1 7	22 43	0 9	14 39	2 28	23 34	0 12	9 49	1 5	23 55	1 29	15 48	16 7	20 26	9 3	6 5
M 4	8 19	21 51	5 15	9 0	0 15	22 3	1 45	22 56	1 7	22 44	0 9	14 38	2 28	23 34	0 12	9 49	1 5	23 55	1 29	15 47	16 6	20 28	9 2	6 5
T 5	8 41	17 24	5 6	9 57	0 4	22 20	1 48	23 3	1 7	22 45	0 9	14 37	2 28	23 34	0 12	9 50	1 5	23 55	1 29	15 47	16 5	20 31	9 1	6 5
W 6	9 3	11 57	4 40	10 53	0n 7	22 37	1 51	23 9	1 7	22 46	0 9	14 36	2 28	23 34	0 12	9 50	1 5	23 55	1 29	15 46	16 4	20 33	9 0	6 6
T 7	9 24	5 43	3 55	11 49	0 17	22 53	1 53	23 14	1 8	22 47	0 9	14 35	2 28	23 34	0 12	9 50	1 5	23 55	1 30	15 45	16 3	20 35	8 59	6 6
F 8	9 46	0s59	2 55	12 43	0 28	23 9	1 56	23 20	1 8	22 49	0 9	14 34	2 28	23 35	0 12	9 51	1 5	23 55	1 30	15 44	16 2	20 38	8 58	6 6
S 9	10 7	7 47	1 42	13 37	0 39	23 24	1 59	23 25	1 8	22 50	0 8	14 32	2 28	23 35	0 12	9 51	1 5	23 56	1 30	15 44	16 1	20 40	8 57	6 6
S 10	10 28	14 14	0 21	14 29	0 50	23 38	2 2	23 31	1 8	22 51	0 8	14 31	2 28	23 35	0 12	9 51	1 5	23 56	1 30	15 44	16 1	20 43	8 56	6 7
M11	10 49	19 52	1s 2	15 20	1 0	23 52	2 4	23 36	1 8	22 52	0 8	14 30	2 28	23 35	0 12	9 52	1 4	23 56	1 30	15 44	16 0	20 45	8 55	6 7
T 12	11 10	24 12	2 20	16 8	1 10	24 5	2 7	23 41	1 9	22 53	0 8	14 29	2 28	23 35	0 12	9 52	1 4	23 56	1 30	15 44	15 59	20 47	8 54	6 7
W13	11 31	26 51	3 28	16 55	1 20	24 17	2 9	23 45	1 9	22 54	0 8	14 28	2 28	23 35	0 12	9 52	1 4	23 56	1 30	15 44	15 58	20 50	8 53	6 8
T 14	11 51	27 38	4 21	17 40	1 29	24 29	2 12	23 50	1 9	22 55	0 8	14 26	2 28	23 35	0 12	9 53	1 4	23 56	1 30	15 45	15 57	20 52	8 52	6 8
F 15	12 11	26 35	4 57	18 22	1 38	24 41	2 14	23 54	1 9	22 56	0 8	14 25	2 28	23 35	0 12	9 53	1 4	23 56	1 31	15 45	15 56	20 55	8 51	6 8
S 16	12 31	23 59	5 15	19 2	1 47	24 51	2 16	23 59	1 9	22 57	0 8	14 24	2 28	23 36	0 12	9 53	1 4	23 57	1 31	15 45	15 55	20 57	8 50	6 9
S 17	12 51	20 9	5 15	19 40	1 54	25 1	2 18	24 3	1 9	22 58	0 7	14 23	2 28	23 36	0 12	9 53	1 4	23 57	1 31	15 45	15 54	20 59	8 49	6 9
M18	13 11	15 26	4 59	20 16	2 2	25 11	2 20	24 6	1 10	22 59	0 7	14 21	2 28	23 36	0 12	9 54	1 4	23 57	1 31	15 45	15 53	21 2	8 49	6 9
T 19	13 30	10 9	4 29	20 48	2 8	25 19	2 22	24 10	1 10	23 0	0 7	14 20	2 28	23 36	0 12	9 54	1 4	23 57	1 31	15 44	15 52	21 4	8 48	6 10
W20	13 49	4 34	3 47	21 19	2 14	25 27	2 24	24 13	1 10	23 1	0 7	14 19	2 28	23 36	0 12	9 54	1 4	23 57	1 31	15 44	15 51	21 6	8 47	6 10
T 21	14 8	1n 7	2 54	21 46	2 18	25 35	2 26	24 17	1 10	23 2	0 7	14 18	2 28	23 36	0 12	9 54	1 4	23 57	1 31	15 44	15 50	21 9	8 46	6 10
F 22	14 27	6 41	1 55	22 12	2 22	25 41	2 28	24 20	1 10	23 3	0 7	14 16	2 28	23 36	0 12	9 55	1 4	23 58	1 32	15 44	15 49	21 11	8 45	6 11
S 23	14 46	11 58	0 51	22 34	2 26	25 47	2 30	24 23	1 10	23 4	0 7	14 15	2 28	23 36	0 12	9 55	1 4	23 58	1 32	15 44	15 48	21 13	8 44	6 11
S 24	15 4	16 46	0n15	22 55	2 28	25 53	2 31	24 25	1 11	23 5	0 7	14 14	2 28	23 37	0 12	9 55	1 4	23 58	1 32	15 44	15 47	21 16	8 44	6 11
M25	15 22	20 55	1 20	23 13	2 29	25 58	2 33	24 28	1 11	23 6	0 6	14 13	2 28	23 37	0 12	9 55	1 4	23 58	1 32	15 44	15 46	21 18	8 43	6 12
T 26	15 40	24 13	2 21	23 29	2 30	26 2	2 34	24 30	1 11	23 7	0 6	14 11	2 28	23 37	0 12	9 55	1 4	23 58	1 32	15 44	15 45	21 20	8 42	6 12
W27	15 57	26 29	3 16	23 42	2 30	26 5	2 36	24 33	1 11	23 8	0 6	14 10	2 28	23 37	0 12	9 55	1 4	23 58	1 32	15 44	15 44	21 22	8 41	6 12
T 28	16 15	27 34	4 3	23 53	2 29	26 8	2 37	24 35	1 11	23 9	0 6	14 9	2 28	23 37	0 12	9 56	1 4	23 59	1 32	15 44	15 43	21 25	8 41	6 13
F 29	16 32	27 22	4 41	24 2	2 26	26 10	2 38	24 36	1 11	23 10	0 6	14 8	2 28	23 37	0 12	9 56	1 4	23 59	1 33	15 44	15 42	21 27	8 40	6 13
S 30	16n48	25n51	5n 6	24n 9	2n23	26n11	2n39	24n38	1n11	23n11	0s 6	14s 6	2n28	23n37	0n12	9n56	1n 4	23s59	1s33	15n43	15n41	21n29	8s39	6n14

Julian Day Number = 2187937.5, Delta T = 10m59s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'29, Lahiri = 13°47'29 Julian Calendar 1 Apr. 1278 == Greg. Calendar 8 Apr. 1278

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

MAY 1278 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 4 3	17♉21'44	9♌24	9♊23	0♋54	25♊47	22♊ 0	15°R 9	24♊29	7°R 5	16°R58	12°R44	12♉34	29♉18	21♒ 1	S 1
M 2	15 8 0	18°19'26	22°11	10°16	1°59	26°25	22°12	15♏ 5	24°33	7♍ 5	16♑57	12°D44	12°31	29°24	21° 2	M 2
T 3	15 11 56	19°17'07	5♍21	11° 4	3° 4	27° 3	22°24	15° 0	24°36	7° 5	16°57	12♉44	12°28	29°31	21° 3	T 3
W 4	15 15 53	20°14'45	18°56	11°48	4° 9	27°41	22°37	14°56	24°39	7° 5	16°56	12°45	12°25	29°38	21° 3	W 4
T 5	15 19 50	21°12'22	2♎57	12°28	5°13	28°19	22°49	14°51	24°42	7° 4	16°56	12°46	12°21	29°44	21° 4	T 5
F 6	15 23 46	22° 9'58	17°25	13° 3	6°17	28°57	23° 2	14°47	24°45	7° 4	16°55	12°46	12°18	29°51	21° 5	F 6
S 7	15 27 43	23° 7'32	2♏14	13°34	7°21	29°35	23°15	14°42	24°48	7° 4	16°54	12°47	12°15	29°57	21° 6	S 7
S 8	15 31 39	24° 5'05	17°19	14° 0	8°25	0♋13	23°27	14°38	24°51	7° 4	16°54	12°R47	12°12	0♊ 4	21° 6	S 8
M 9	15 35 36	25° 2'36	2♐31	14°21	9°28	0°51	23°40	14°34	24°55	7° 4	16°53	12°46	12° 9	0°11	21° 7	M 9
T 10	15 39 32	26° 0'07	17°42	14°38	10°31	1°28	23°53	14°29	24°58	7° 4	16°52	12°45	12° 6	0°17	21° 8	T 10
W11	15 43 29	26°57'37	2♑40	14°49	11°34	2° 6	24° 6	14°25	25° 1	7°D 4	16°51	12°44	12° 2	0°24	21° 8	W11
T 12	15 47 25	27°55'05	17°20	14°57	12°36	2°44	24°18	14°21	25° 4	7° 4	16°50	12°42	11°59	0°31	21° 8	T 12
F 13	15 51 22	28°52'33	1♒35	14°R59	13°39	3°22	24°31	14°16	25° 8	7° 4	16°50	12°40	11°56	0°37	21° 9	F 13
S 14	15 55 19	29°50'00	15°23	14°57	14°41	4° 0	24°44	14°12	25°11	7° 4	16°49	12°39	11°53	0°44	21° 9	S 14
S 15	15 59 15	0♊47'27	28°45	14°51	15°42	4°38	24°57	14° 8	25°14	7° 4	16°48	12°D39	11°50	0°51	21° 9	S 15
M16	16 3 12	1°44'52	11♓42	14°40	16°43	5°15	25°10	14° 4	25°18	7° 4	16°47	12°39	11°46	0°57	21° 9	M16
T 17	16 7 8	2°42'17	24°18	14°25	17°44	5°53	25°23	14° 0	25°21	7° 4	16°46	12°40	11°43	1° 4	21°10	T 17
W18	16 11 5	3°39'41	6♈37	14° 7	18°45	6°31	25°36	13°56	25°24	7° 5	16°45	12°41	11°40	1°11	21°R10	W18
T 19	16 15 1	4°37'05	18°43	13°45	19°45	7° 9	25°49	13°52	25°28	7° 5	16°44	12°43	11°37	1°17	21°10	T 19
F 20	16 18 58	5°34'27	0♉39	13°20	20°45	7°47	26° 2	13°48	25°31	7° 5	16°43	12°44	11°34	1°24	21° 9	F 20
S 21	16 22 54	6°31'49	12°29	12°52	21°45	8°25	26°16	13°44	25°35	7° 5	16°42	12°R45	11°31	1°31	21° 9	S 21
S 22	16 26 51	7°29'11	24°17	12°22	22°44	9° 2	26°29	13°40	25°38	7° 6	16°41	12°44	11°27	1°37	21° 9	S 22
M23	16 30 48	8°26'32	6♊ 4	11°50	23°43	9°40	26°42	13°36	25°42	7° 6	16°40	12°42	11°24	1°44	21° 9	M23
T 24	16 34 44	9°23'52	17°54	11°17	24°42	10°18	26°55	13°32	25°45	7° 7	16°39	12°39	11°21	1°51	21° 9	T 24
W25	16 38 41	10°21'11	29°47	10°43	25°40	10°56	27° 9	13°28	25°49	7° 7	16°38	12°35	11°18	1°57	21° 8	W25
T 26	16 42 37	11°18'30	11♋47	10°10	26°37	11°34	27°22	13°25	25°52	7° 7	16°37	12°30	11°15	2° 4	21° 8	T 26
F 27	16 46 34	12°15'48	23°55	9°36	27°34	12°11	27°35	13°21	25°56	7° 8	16°36	12°25	11°12	2°11	21° 7	F 27
S 28	16 50 30	13°13'05	6♌13	9° 4	28°31	12°49	27°49	13°17	25°59	7° 8	16°35	12°21	11° 8	2°17	21° 7	S 28
S 29	16 54 27	14°10'21	18°44	8°34	29°27	13°27	28° 2	13°14	26° 3	7° 9	16°33	12°17	11° 5	2°24	21° 6	S 29
M30	16 58 24	15° 7'36	1♍32	8° 6	0♌23	14° 5	28°15	13°10	26° 6	7°10	16°32	12°15	11° 2	2°31	21° 5	M30
T 31	17 2 20	16♊ 4'51	14♍38	7♊40	1♌18	14♋43	28♊29	13♏ 7	26♊10	7♍10	16♑31	12°D14	10♉59	2♊37	21♒ 5	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 5	23n 3	5n17	24n14	2n19	26n12	2n40	24n39	1n11	23n12	0s 6	14s 5	2n28	23n37	0n12	9n56	1n 4	23s59	1s33	15n43	15n40	21n32	8s38	6n14
M 2	17 21	19 6	5 13	24 17	2 14	26 12	2 41	24 41	1 11	23 13	0 6	14 4	2 28	23 38	0 12	9 56	1 4	23 59	1 33	15 43	15 39	21 34	8 38	6 14
T 3	17 37	14 8	4 53	24 18	2 8	26 11	2 42	24 42	1 12	23 13	0 6	14 3	2 28	23 38	0 12	9 56	1 4	24 0	1 33	15 43	15 38	21 36	8 37	6 15
W 4	17 53	8 20	4 17	24 18	2 1	26 10	2 42	24 42	1 12	23 14	0 5	14 1	2 28	23 38	0 12	9 56	1 4	24 0	1 33	15 44	15 37	21 38	8 37	6 15
T 5	18 8	1 56	3 24	24 15	1 53	26 8	2 43	24 43	1 12	23 15	0 5	14 0	2 28	23 38	0 12	9 56	1 4	24 0	1 33	15 44	15 36	21 41	8 36	6 15
F 6	18 23	4s46	2 16	24 11	1 45	26 6	2 43	24 44	1 12	23 16	0 5	13 59	2 28	23 38	0 12	9 56	1 4	24 0	1 33	15 44	15 35	21 43	8 35	6 16
S 7	18 38	11 23	0 58	24 5	1 35	26 3	2 43	24 44	1 12	23 17	0 5	13 58	2 28	23 38	0 12	9 56	1 4	24 0	1 34	15 44	15 34	21 45	8 35	6 16
S 8	18 52	17 28	0s25	23 58	1 24	25 59	2 43	24 44	1 12	23 17	0 5	13 56	2 28	23 38	0 12	9 56	1 4	24 1	1 34	15 44	15 33	21 48	8 34	6 16
M 9	19 6	22 30	1 47	23 49	1 13	25 55	2 43	24 44	1 12	23 18	0 5	13 55	2 28	23 38	0 12	9 56	1 4	24 1	1 34	15 44	15 33	21 50	8 34	6 17
T 10	19 20	25 59	3 2	23 38	1 0	25 50	2 43	24 44	1 12	23 19	0 5	13 54	2 27	23 39	0 12	9 56	1 4	24 1	1 34	15 44	15 32	21 52	8 33	6 17
W11	19 33	27 33	4 3	23 27	0 47	25 44	2 43	24 43	1 12	23 19	0 5	13 53	2 27	23 39	0 12	9 56	1 4	24 1	1 34	15 43	15 31	21 54	8 33	6 17
T 12	19 46	27 8	4 46	23 13	0 33	25 38	2 42	24 43	1 12	23 20	0 5	13 52	2 27	23 39	0 12	9 56	1 4	24 2	1 34	15 43	15 30	21 56	8 32	6 18
F 13	19 59	24 56	5 10	22 59	0 18	25 31	2 42	24 42	1 12	23 21	0 5	13 51	2 27	23 39	0 12	9 56	1 4	24 2	1 34	15 42	15 29	21 59	8 32	6 18
S 14	20 12	21 19	5 16	22 44	0 3	25 24	2 41	24 41	1 12	23 21	0 4	13 49	2 27	23 39	0 12	9 56	1 4	24 2	1 34	15 42	15 28	22 1	8 31	6 19
S 15	20 24	16 42	5 4	22 27	0s13	25 16	2 40	24 40	1 12	23 22	0 4	13 48	2 27	23 39	0 12	9 56	1 4	24 2	1 35	15 42	15 27	22 3	8 31	6 19
M16	20 36	11 27	4 37	22 9	0 30	25 7	2 40	24 38	1 12	23 23	0 4	13 47	2 27	23 39	0 12	9 56	1 4	24 3	1 35	15 42	15 26	22 5	8 31	6 19
T 17	20 47	5 53	3 57	21 51	0 47	24 58	2 38	24 37	1 12	23 23	0 4	13 46	2 27	23 39	0 12	9 56	1 4	24 3	1 35	15 42	15 25	22 8	8 30	6 20
W18	20 58	0 13	3 6	21 32	1 4	24 49	2 37	24 35	1 13	23 24	0 4	13 45	2 27	23 40	0 12	9 56	1 4	24 3	1 35	15 42	15 24	22 10	8 30	6 20
T 19	21 9	5n23	2 9	21 12	1 21	24 39	2 36	24 33	1 13	23 24	0 4	13 44	2 26	23 40	0 12	9 56	1 4	24 3	1 35	15 43	15 23	22 12	8 30	6 20
F 20	21 19	10 43	1 6	20 52	1 38	24 28	2 34	24 31	1 13	23 25	0 4	13 43	2 26	23 40	0 12	9 56	1 4	24 3	1 35	15 43	15 22	22 14	8 29	6 21
S 21	21 29	15 38	0 1	20 31	1 55	24 17	2 33	24 28	1 13	23 25	0 4	13 42	2 26	23 40	0 12	9 56	1 4	24 4	1 35	15 43	15 21	22 16	8 29	6 21
S 22	21 39	19 56	1n 3	20 11	2 12	24 5	2 31	24 26	1 13	23 26	0 4	13 41	2 26	23 40	0 12	9 55	1 4	24 4	1 35	15 43	15 20	22 19	8 29	6 21
M23	21 48	23 27	2 5	19 51	2 28	23 53	2 29	24 23	1 13	23 26	0 3	13 40	2 26	23 40	0 12	9 55	1 3	24 4	1 36	15 43	15 19	22 21	8 28	6 22
T 24	21 57	25 59	3 1	19 31	2 44	23 40	2 27	24 20	1 13	23 27	0 3	13 39	2 26	23 40	0 12	9 55	1 3	24 4	1 36	15 42	15 18	22 23	8 28	6 22
W25	22 5	27 22	3 50	19 12	2 59	23 27	2 24	24 17	1 13	23 27	0 3	13 38	2 26	23 40	0 12	9 55	1 3	24 5	1 36	15 41	15 17	22 25	8 28	6 22
T 26	22 14	27 29	4 29	18 53	3 13	23 14	2 22	24 14	1 13	23 27	0 3	13 37	2 25	23 41	0 12	9 55	1 3	24 5	1 36	15 39	15 16	22 27	8 28	6 23
F 27	22 21	26 16	4 56	18 35	3 26	23 0	2 19	24 11	1 13	23 28	0 3	13 36	2 25	23 41	0 12	9 54	1 3	24 5	1 36	15 38	15 15	22 29	8 28	6 23
S 28	22 29	23 48	5 11	18 19	3 37	22 46	2 16	24 7	1 13	23 28	0 3	13 35	2 25	23 41	0 12	9 54	1 3	24 6	1 36	15 36	15 14	22 31	8 27	6 24
S 29	22 36	20 11	5 11	18 4	3 48	22 31	2 13	24 4	1 13	23 28	0 3	13 34	2 25	23 41	0 12	9 54	1 3	24 6	1 36	15 35	15 13	22 34	8 27	6 24
M30	22 42	15 34	4 55	17 51	3 57	22 16	2 10	24 0	1 13	23 29	0 3	13 33	2 25	23 41	0 12	9 54	1 3	24 6	1 36	15 34	15 12	22 36	8 27	6 24
T 31	22n48	10n 8	4n24	17n39	4s 5	22n 0	2n 6	23n55	1n13	23n29	0s 3	13s32	2n25	23n41	0n12	9n53	1n 3	24s 6	1s37	15n34	15n11	22n38	8s27	6n25

Julian Day Number = 2187967.5, Delta T = 10m58s
Ecliptic obliquity = 23°32'05, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'33, Lahiri = 13°47'33 Julian Calendar 1 May 1278 == Greg. Calendar 8 May 1278

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

JUNE 1278 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 6 17	17♊ 2'04	28♍ 5	7°R17	2♌13	15♋20	28♊42	13°R 4	26♊14	7♍11	16°R30	12♉15	10♉56	2♊44	21°R 4	W 1
T 2	17 10 13	17°59'17	11♎56	6♊58	3° 7	15°58	28°56	13♏ 0	26°17	7°12	16♂29	12°16	10°52	2°50	21♒ 3	T 2
F 3	17 14 10	18°56'29	26°11	6°43	4° 1	16°36	29° 9	12°57	26°21	7°12	16°27	12°17	10°49	2°57	21° 2	F 3
S 4	17 18 6	19°53'41	10♏48	6°32	4°54	17°14	29°23	12°54	26°24	7°13	16°26	12°R18	10°46	3° 4	21° 1	S 4
S 5	17 22 3	20°50'52	25°44	6°25	5°46	17°52	29°36	12°51	26°28	7°14	16°25	12°17	10°43	3°10	21° 0	S 5
M 6	17 25 59	21°48'03	10♐51	6°D22	6°38	18°29	29°50	12°48	26°31	7°15	16°24	12°15	10°40	3°17	20°59	M 6
T 7	17 29 56	22°45'13	26° 2	6°24	7°29	19° 7	0♋ 3	12°45	26°35	7°15	16°22	12°11	10°37	3°24	20°58	T 7
W 8	17 33 53	23°42'23	11♑ 5	6°31	8°19	19°45	0°17	12°42	26°39	7°16	16°21	12° 5	10°33	3°30	20°57	W 8
T 9	17 37 49	24°39'33	25°53	6°43	9° 9	20°23	0°30	12°40	26°42	7°17	16°20	11°59	10°30	3°37	20°55	T 9
F 10	17 41 46	25°36'43	10♒17	6°59	9°58	21° 0	0°44	12°37	26°46	7°18	16°18	11°53	10°27	3°44	20°54	F 10
S 11	17 45 42	26°33'53	24°13	7°20	10°46	21°38	0°57	12°34	26°49	7°19	16°17	11°48	10°24	3°50	20°53	S 11
S 12	17 49 39	27°31'03	7♓41	7°46	11°34	22°16	1°11	12°32	26°53	7°20	16°16	11°44	10°21	3°57	20°51	S 12
M13	17 53 35	28°28'13	20°41	8°17	12°21	22°54	1°24	12°29	26°57	7°21	16°14	11°42	10°18	4° 4	20°50	M13
T 14	17 57 32	29°25'23	3♈17	8°53	13° 6	23°32	1°38	12°27	27° 0	7°22	16°13	11°D42	10°14	4°10	20°48	T 14
W15	18 1 28	0♋22'33	15°34	9°33	13°51	24° 9	1°51	12°25	27° 4	7°23	16°12	11°43	10°11	4°17	20°47	W15
T 16	18 5 25	1°19'44	27°36	10°18	14°36	24°47	2° 5	12°22	27° 7	7°24	16°10	11°44	10° 8	4°24	20°45	T 16
F 17	18 9 22	2°16'55	9♉28	11° 8	15°19	25°25	2°18	12°20	27°11	7°26	16° 9	11°R45	10° 5	4°30	20°43	F 17
S 18	18 13 18	3°14'06	21°16	12° 2	16° 1	26° 3	2°32	12°18	27°15	7°27	16° 8	11°44	10° 2	4°37	20°42	S 18
S 19	18 17 15	4°11'18	3♊ 3	13° 1	16°42	26°41	2°46	12°16	27°18	7°28	16° 6	11°42	9°58	4°44	20°40	S 19
M20	18 21 11	5° 8'30	14°52	14° 4	17°22	27°18	2°59	12°15	27°22	7°29	16° 5	11°37	9°55	4°50	20°38	M20
T 21	18 25 8	6° 5'42	26°46	15°11	18° 1	27°56	3°13	12°13	27°25	7°30	16° 3	11°30	9°52	4°57	20°36	T 21
W22	18 29 4	7° 2'54	8♋48	16°23	18°39	28°34	3°26	12°11	27°29	7°32	16° 2	11°22	9°49	5° 4	20°34	W22
T 23	18 33 1	8° 0'07	20°59	17°39	19°16	29°12	3°40	12°10	27°33	7°33	16° 0	11°11	9°46	5°10	20°32	T 23
F 24	18 36 57	8°57'19	3♌19	19° 0	19°52	29°50	3°53	12° 8	27°36	7°34	15°59	11° 1	9°43	5°17	20°30	F 24
S 25	18 40 54	9°54'32	15°50	20°24	20°26	0♌27	4° 7	12° 7	27°40	7°36	15°58	10°51	9°39	5°24	20°28	S 25
S 26	18 44 51	10°51'45	28°32	21°52	20°59	1° 5	4°20	12° 5	27°43	7°37	15°56	10°43	9°36	5°30	20°26	S 26
M27	18 48 47	11°48'58	11♍28	23°25	21°31	1°43	4°34	12° 4	27°47	7°38	15°55	10°37	9°33	5°37	20°24	M27
T 28	18 52 44	12°46'12	24°38	25° 1	22° 1	2°21	4°47	12° 3	27°50	7°40	15°53	10°33	9°30	5°44	20°22	T 28
W29	18 56 40	13°43'25	8♎ 4	26°41	22°30	2°59	5° 1	12° 2	27°54	7°41	15°52	10°D32	9°27	5°50	20°19	W29
T 30	19 0 37	14♋40'38	21♎48	28♊24	22♌57	3♌37	5♋14	12♏ 1	27♊57	7♍43	15♑50	10♉32	9♉24	5♊57	20♒17	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n54	4n 6	3n38	17n29	4s11	21n44	2n 3	23n51	1n13	23n29	0s 3	13s32	2n24	23n41	0n12	9n53	1n 3	24s 7	1s37	15n34	15n10	22n40	8s27	6n25
T 2	22 59	2s19	2 38	17 21	4 17	21 28	1 59	23 47	1 13	23 29	0 2	13 31	2 24	23 41	0 12	9 53	1 3	24 7	1 37	15 35	15 9	22 42	8 27	6 25
F 3	23 4	8 48	1 27	17 14	4 20	21 12	1 55	23 42	1 13	23 30	0 2	13 30	2 24	23 41	0 12	9 53	1 3	24 7	1 37	15 35	15 8	22 44	8 27	6 26
S 4	23 9	15 0	0 8	17 10	4 23	20 55	1 51	23 37	1 13	23 30	0 2	13 29	2 24	23 42	0 12	9 52	1 3	24 7	1 37	15 35	15 7	22 46	8 27	6 26
S 5	23 13	20 26	1s13	17 8	4 24	20 38	1 47	23 32	1 13	23 30	0 2	13 29	2 24	23 42	0 12	9 52	1 3	24 8	1 37	15 35	15 6	22 48	8 27	6 26
M 6	23 17	24 37	2 29	17 8	4 23	20 20	1 42	23 27	1 13	23 30	0 2	13 28	2 23	23 42	0 12	9 52	1 3	24 8	1 37	15 34	15 5	22 51	8 27	6 27
T 7	23 20	27 4	3 35	17 10	4 22	20 2	1 37	23 22	1 13	23 30	0 2	13 27	2 23	23 42	0 12	9 51	1 3	24 8	1 37	15 33	15 4	22 53	8 27	6 27
W 8	23 23	27 29	4 26	17 14	4 19	19 45	1 32	23 16	1 13	23 30	0 2	13 27	2 23	23 42	0 12	9 51	1 3	24 8	1 37	15 31	15 3	22 55	8 27	6 27
T 9	23 26	25 55	4 57	17 19	4 15	19 26	1 27	23 11	1 13	23 30	0 2	13 26	2 23	23 42	0 12	9 51	1 3	24 9	1 38	15 30	15 2	22 57	8 27	6 27
F 10	23 28	22 41	5 9	17 27	4 10	19 8	1 22	23 5	1 13	23 30	0 2	13 25	2 23	23 42	0 12	9 50	1 3	24 9	1 38	15 28	15 1	22 59	8 27	6 28
S 11	23 29	18 15	5 2	17 36	4 5	18 49	1 16	22 59	1 13	23 30	0 2	13 25	2 22	23 42	0 12	9 50	1 3	24 9	1 38	15 26	15 0	23 1	8 27	6 28
S 12	23 31	13 1	4 38	17 47	3 58	18 31	1 10	22 53	1 13	23 30	0 1	13 24	2 22	23 42	0 12	9 49	1 3	24 10	1 38	15 25	14 59	23 3	8 28	6 28
M13	23 32	7 24	4 1	17 59	3 50	18 12	1 4	22 46	1 12	23 30	0 1	13 24	2 22	23 42	0 12	9 49	1 3	24 10	1 38	15 24	14 58	23 5	8 28	6 29
T 14	23 32	1 38	3 13	18 13	3 42	17 53	0 58	22 40	1 12	23 30	0 1	13 23	2 22	23 43	0 12	9 49	1 3	24 10	1 38	15 24	14 57	23 7	8 28	6 29
W15	23 32	4n 3	2 17	18 28	3 33	17 33	0 52	22 33	1 12	23 30	0 1	13 23	2 21	23 43	0 13	9 48	1 3	24 10	1 38	15 25	14 56	23 9	8 28	6 29
T 16	23 32	9 29	1 16	18 44	3 23	17 14	0 45	22 26	1 12	23 30	0 1	13 22	2 21	23 43	0 13	9 48	1 3	24 11	1 38	15 25	14 55	23 11	8 28	6 30
F 17	23 31	14 31	0 12	19 1	3 12	16 55	0 38	22 20	1 12	23 30	0 1	13 22	2 21	23 43	0 13	9 47	1 3	24 11	1 38	15 25	14 54	23 13	8 29	6 30
S 18	23 30	18 58	0n51	19 19	3 2	16 35	0 31	22 12	1 12	23 30	0 1	13 21	2 21	23 43	0 13	9 47	1 3	24 11	1 39	15 25	14 53	23 15	8 29	6 30
S 19	23 28	22 41	1 52	19 38	2 50	16 16	0 23	22 5	1 12	23 30	0 1	13 21	2 20	23 43	0 13	9 46	1 3	24 11	1 39	15 24	14 52	23 17	8 29	6 30
M20	23 26	25 28	2 48	19 58	2 38	15 56	0 16	21 58	1 12	23 29	0 1	13 21	2 20	23 43	0 13	9 46	1 3	24 12	1 39	15 23	14 51	23 19	8 30	6 31
T 21	23 24	27 7	3 37	20 17	2 26	15 37	0 8	21 50	1 12	23 29	0 1	13 20	2 20	23 43	0 13	9 45	1 3	24 12	1 39	15 21	14 50	23 21	8 30	6 31
W22	23 21	27 31	4 17	20 37	2 13	15 17	0s 1	21 42	1 12	23 29	0 0	13 20	2 20	23 43	0 13	9 45	1 3	24 12	1 39	15 18	14 49	23 23	8 30	6 31
T 23	23 18	26 36	4 46	20 57	2 1	14 58	0 9	21 34	1 12	23 29	0 0	13 20	2 20	23 43	0 13	9 44	1 3	24 13	1 39	15 15	14 48	23 25	8 31	6 31
F 24	23 14	24 23	5 2	21 17	1 48	14 38	0 18	21 26	1 12	23 28	0 0	13 20	2 19	23 43	0 13	9 44	1 3	24 13	1 39	15 12	14 47	23 27	8 31	6 32
S 25	23 10	20 58	5 3	21 37	1 35	14 19	0 27	21 18	1 12	23 28	0 0	13 20	2 19	23 43	0 13	9 43	1 3	24 13	1 39	15 8	14 46	23 29	8 31	6 32
S 26	23 5	16 33	4 50	21 56	1 21	13 59	0 36	21 10	1 12	23 28	0 0	13 19	2 19	23 44	0 13	9 43	1 3	24 13	1 39	15 6	14 45	23 31	8 32	6 32
M27	23 0	11 19	4 22	22 14	1 8	13 40	0 45	21 1	1 12	23 27	0 0	13 19	2 19	23 44	0 13	9 42	1 3	24 14	1 39	15 4	14 44	23 33	8 32	6 32
T 28	22 55	5 30	3 39	22 31	0 55	13 21	0 55	20 53	1 12	23 27	0n 0	13 19	2 18	23 44	0 13	9 42	1 3	24 14	1 40	15 3	14 43	23 35	8 33	6 33
W29	22 49	0s42	2 44	22 48	0 42	13 2	1 5	20 44	1 11	23 27	0 0	13 19	2 18	23 44	0 13	9 41	1 3	24 14	1 40	15 2	14 42	23 37	8 33	6 33
T 30	22n43	7s 0	1n38	23n 2	0s29	12n44	1s15	20n35	1n11	23n26	0n 0	13s19	2n18	23n44	0n13	9n41	1n 3	24s14	1s40	15n 2	14n41	23n39	8s34	6n33

Julian Day Number = 2187998.5, Delta T = 10m58s
Ecliptic obliquity = 23°32'05, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'37, Lahiri = 13°47'38 Julian Calendar 1 June 1278 == Greg. Calendar 8 June 1278

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

JULY 1278 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 4 33	15♋37'52	5♏50	0♋11	23♌23	4♌14	5♋28	12°R 0	28♊ 1	7♍44	15°R49	10°R32	9♉20	6♊ 4	20°R15	F 1
S 2	19 8 30	16°35'06	20°12	2° 1	23°47	4°52	5°41	12♏ 0	28° 4	7°46	15♑48	10♉32	9°17	6°10	20♒12	S 2
S 3	19 12 26	17°32'20	4♐50	3°54	24°10	5°30	5°54	11°59	28° 8	7°47	15°46	10°30	9°14	6°17	20°10	S 3
M 4	19 16 23	18°29'35	19°40	5°50	24°30	6° 8	6° 8	11°58	28°11	7°49	15°45	10°26	9°11	6°24	20° 8	M 4
T 5	19 20 20	19°26'50	4♑36	7°48	24°49	6°46	6°21	11°58	28°15	7°50	15°43	10°19	9° 8	6°30	20° 5	T 5
W 6	19 24 16	20°24'06	19°29	9°48	25° 6	7°24	6°34	11°58	28°18	7°52	15°42	10°10	9° 4	6°37	20° 3	W 6
T 7	19 28 13	21°21'22	4♒10	11°50	25°21	8° 2	6°48	11°57	28°21	7°54	15°40	9°59	9° 1	6°44	20° 0	T 7
F 8	19 32 9	22°18'40	18°33	13°54	25°34	8°39	7° 1	11°57	28°25	7°55	15°39	9°49	8°58	6°50	19°57	F 8
S 9	19 36 6	23°15'57	2♓30	15°59	25°45	9°17	7°14	11°D57	28°28	7°57	15°38	9°40	8°55	6°57	19°55	S 9
S 10	19 40 2	24°13'16	16° 0	18° 4	25°53	9°55	7°28	11°57	28°32	7°59	15°36	9°33	8°52	7° 4	19°52	S 10
M11	19 43 59	25°10'36	29° 3	20°10	26° 0	10°33	7°41	11°57	28°35	8° 1	15°35	9°28	8°49	7°10	19°50	M11
T 12	19 47 56	26° 7'57	11♈41	22°16	26° 4	11°11	7°54	11°57	28°38	8° 2	15°33	9°25	8°45	7°17	19°47	T 12
W13	19 51 52	27° 5'19	23°59	24°23	26°R 7	11°49	8° 7	11°58	28°41	8° 4	15°32	9°D24	8°42	7°24	19°44	W13
T 14	19 55 49	28° 2'42	6♉ 1	26°28	26° 6	12°27	8°20	11°58	28°45	8° 6	15°30	9°R25	8°39	7°30	19°41	T 14
F 15	19 59 45	29° 0'06	17°54	28°34	26° 4	13° 5	8°33	11°59	28°48	8° 8	15°29	9°24	8°36	7°37	19°39	F 15
S 16	20 3 42	29°57'32	29°42	0♌38	25°59	13°43	8°46	11°59	28°51	8° 9	15°28	9°23	8°33	7°44	19°36	S 16
S 17	20 7 38	0♌54'58	11♊30	2°42	25°52	14°21	8°59	12° 0	28°54	8°11	15°26	9°19	8°30	7°50	19°33	S 17
M18	20 11 35	1°52'26	23°23	4°44	25°43	14°59	9°12	12° 1	28°58	8°13	15°25	9°13	8°26	7°57	19°30	M18
T 19	20 15 31	2°49'56	5♋24	6°46	25°31	15°37	9°25	12° 2	29° 1	8°15	15°24	9° 4	8°23	8° 4	19°27	T 19
W20	20 19 28	3°47'26	17°36	8°46	25°17	16°15	9°38	12° 3	29° 4	8°17	15°22	8°53	8°20	8°10	19°24	W20
T 21	20 23 25	4°44'58	29°59	10°45	25° 0	16°53	9°51	12° 4	29° 7	8°19	15°21	8°40	8°17	8°17	19°21	T 21
F 22	20 27 21	5°42'30	12♌36	12°42	24°41	17°31	10° 4	12° 5	29°10	8°21	15°19	8°27	8°14	8°24	19°18	F 22
S 23	20 31 18	6°40'04	25°25	14°38	24°20	18° 9	10°17	12° 6	29°13	8°23	15°18	8°14	8°10	8°30	19°15	S 23
S 24	20 35 14	7°37'39	8♍26	16°33	23°57	18°47	10°29	12° 8	29°16	8°25	15°17	8° 3	8° 7	8°37	19°13	S 24
M25	20 39 11	8°35'14	21°38	18°26	23°32	19°25	10°42	12° 9	29°19	8°27	15°16	7°55	8° 4	8°44	19°10	M25
T 26	20 43 7	9°32'51	5♎ 2	20°18	23° 5	20° 3	10°55	12°11	29°22	8°29	15°14	7°50	8° 1	8°50	19° 7	T 26
W27	20 47 4	10°30'29	18°36	22° 8	22°36	20°41	11° 7	12°12	29°25	8°31	15°13	7°47	7°58	8°57	19° 4	W27
T 28	20 51 0	11°28'08	2♏22	23°56	22° 5	21°19	11°20	12°14	29°28	8°33	15°12	7°47	7°55	9° 4	19° 1	T 28
F 29	20 54 57	12°25'48	16°20	25°44	21°32	21°57	11°32	12°16	29°31	8°35	15°10	7°47	7°51	9°10	18°57	F 29
S 30	20 58 54	13°23'29	0♐29	27°29	20°59	22°35	11°45	12°18	29°34	8°37	15° 9	7°46	7°48	9°17	18°54	S 30
S 31	21 2 50	14♌21'11	14♐49	29♌14	20♌24	23♌13	11♋57	12♏20	29♊36	8♍39	15♑ 8	7♉44	7♉45	9♊24	18♒51	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n37	13s 8	0n25	23n15	0s17	12n25	1s26	20n26	1n11	23n26	0n 0	13s19	2n18	23n44	0n13	9n40	1n 3	24s15	1s40	15n 3	14n40	23n41	8s34	6n33
S 2	22 30	18 41	0s51	23 27	0 4	12 7	1 37	20 17	1 11	23 25	0 0	13 19	2 17	23 44	0 13	9 40	1 3	24 15	1 40	15 2	14 39	23 43	8 35	6 33
S 3	22 23	23 14	2 5	23 36	0n 8	11 50	1 48	20 7	1 11	23 25	0 1	13 19	2 17	23 44	0 13	9 39	1 3	24 15	1 40	15 2	14 38	23 45	8 35	6 34
M 4	22 15	26 19	3 12	23 43	0 19	11 32	1 59	19 58	1 11	23 24	0 1	13 19	2 17	23 44	0 13	9 38	1 3	24 15	1 40	15 0	14 37	23 47	8 36	6 34
T 5	22 7	27 33	4 6	23 48	0 30	11 15	2 11	19 48	1 11	23 24	0 1	13 19	2 17	23 44	0 13	9 38	1 3	24 16	1 40	14 58	14 36	23 49	8 37	6 34
W 6	21 59	26 47	4 43	23 50	0 40	10 58	2 23	19 38	1 11	23 23	0 1	13 19	2 16	23 44	0 13	9 37	1 3	24 16	1 40	14 55	14 35	23 51	8 37	6 34
T 7	21 50	24 9	5 1	23 50	0 50	10 42	2 35	19 28	1 11	23 23	0 1	13 20	2 16	23 44	0 13	9 36	1 2	24 16	1 40	14 52	14 34	23 53	8 38	6 34
F 8	21 41	20 3	4 59	23 47	0 59	10 26	2 47	19 18	1 11	23 22	0 1	13 20	2 16	23 44	0 13	9 36	1 2	24 16	1 40	14 49	14 33	23 55	8 38	6 35
S 9	21 31	14 57	4 39	23 41	1 7	10 11	2 59	19 8	1 11	23 21	0 1	13 20	2 15	23 44	0 13	9 35	1 2	24 17	1 41	14 46	14 32	23 57	8 39	6 35
S 10	21 21	9 17	4 4	23 32	1 14	9 56	3 12	18 58	1 10	23 21	0 1	13 20	2 15	23 44	0 13	9 35	1 2	24 17	1 41	14 44	14 31	23 59	8 40	6 35
M11	21 11	3 23	3 17	23 21	1 21	9 41	3 25	18 47	1 10	23 20	0 1	13 21	2 15	23 44	0 13	9 34	1 2	24 17	1 41	14 42	14 30	24 1	8 40	6 35
T 12	21 0	2n28	2 22	23 7	1 27	9 28	3 38	18 37	1 10	23 19	0 1	13 21	2 15	23 44	0 13	9 33	1 2	24 18	1 41	14 41	14 29	24 2	8 41	6 35
W13	20 49	8 5	1 21	22 50	1 32	9 14	3 51	18 26	1 10	23 19	0 2	13 21	2 14	23 45	0 13	9 33	1 2	24 18	1 41	14 41	14 28	24 4	8 42	6 35
T 14	20 38	13 18	0 18	22 31	1 36	9 2	4 4	18 15	1 10	23 18	0 2	13 22	2 14	23 45	0 13	9 32	1 2	24 18	1 41	14 41	14 27	24 6	8 43	6 35
F 15	20 26	17 57	0n45	22 10	1 40	8 50	4 18	18 4	1 10	23 17	0 2	13 22	2 14	23 45	0 13	9 31	1 2	24 18	1 41	14 41	14 25	24 8	8 43	6 36
S 16	20 14	21 53	1 45	21 46	1 43	8 39	4 31	17 53	1 10	23 16	0 2	13 22	2 14	23 45	0 13	9 30	1 2	24 18	1 41	14 41	14 24	24 10	8 44	6 36
S 17	20 2	24 55	2 41	21 20	1 45	8 29	4 45	17 42	1 10	23 16	0 2	13 23	2 13	23 45	0 13	9 30	1 2	24 19	1 41	14 39	14 23	24 12	8 45	6 36
M18	19 49	26 52	3 30	20 52	1 46	8 19	4 58	17 31	1 9	23 15	0 2	13 23	2 13	23 45	0 13	9 29	1 2	24 19	1 41	14 37	14 22	24 14	8 46	6 36
T 19	19 36	27 36	4 11	20 23	1 47	8 10	5 12	17 19	1 9	23 14	0 2	13 24	2 13	23 45	0 13	9 28	1 2	24 19	1 41	14 35	14 21	24 15	8 46	6 36
W20	19 23	27 0	4 40	19 51	1 47	8 2	5 25	17 8	1 9	23 13	0 2	13 24	2 13	23 45	0 13	9 28	1 2	24 19	1 41	14 31	14 20	24 17	8 47	6 36
T 21	19 9	25 4	4 57	19 19	1 46	7 55	5 38	16 56	1 9	23 12	0 2	13 25	2 12	23 45	0 13	9 27	1 2	24 20	1 41	14 27	14 19	24 19	8 48	6 36
F 22	18 55	21 52	4 59	18 44	1 45	7 49	5 51	16 44	1 9	23 12	0 2	13 26	2 12	23 45	0 13	9 26	1 2	24 20	1 42	14 23	14 18	24 21	8 49	6 36
S 23	18 41	17 36	4 47	18 9	1 43	7 44	6 4	16 32	1 9	23 11	0 3	13 26	2 12	23 45	0 13	9 25	1 2	24 20	1 42	14 18	14 17	24 23	8 50	6 36
S 24	18 26	12 27	4 19	17 32	1 40	7 40	6 17	16 20	1 9	23 10	0 3	13 27	2 12	23 45	0 13	9 25	1 2	24 20	1 42	14 15	14 16	24 25	8 50	6 36
M25	18 11	6 40	3 38	16 55	1 38	7 36	6 29	16 8	1 8	23 9	0 3	13 28	2 11	23 45	0 13	9 24	1 2	24 21	1 42	14 12	14 15	24 26	8 51	6 36
T 26	17 56	0 30	2 44	16 16	1 34	7 34	6 41	15 56	1 8	23 8	0 3	13 28	2 11	23 45	0 13	9 23	1 2	24 21	1 42	14 11	14 14	24 28	8 52	6 36
W27	17 40	5s47	1 40	15 37	1 30	7 32	6 52	15 44	1 8	23 7	0 3	13 29	2 11	23 45	0 13	9 22	1 2	24 21	1 42	14 10	14 13	24 30	8 53	6 36
T 28	17 25	11 54	0 29	14 57	1 26	7 32	7 3	15 31	1 8	23 6	0 3	13 30	2 11	23 45	0 13	9 22	1 2	24 21	1 42	14 10	14 12	24 32	8 54	6 36
F 29	17 8	17 30	0s45	14 16	1 21	7 32	7 13	15 19	1 8	23 5	0 3	13 31	2 10	23 45	0 13	9 21	1 2	24 21	1 42	14 10	14 11	24 34	8 55	6 36
S 30	16 52	22 14	1 57	13 35	1 16	7 33	7 23	15 6	1 8	23 4	0 3	13 32	2 10	23 45	0 13	9 20	1 2	24 22	1 42	14 9	14 10	24 35	8 56	6 36
S 31	16n35	25s41	3s 2	12n53	1n11	7n36	7s32	14n54	1n 7	23n 3	0n 3	13s32	2n10	23n45	0n13	9n19	1n 2	24s22	1s42	14n 9	14n 9	24n37	8s57	6n36

Julian Day Number = 2188028.5, Delta T = 10m58s
Ecliptic obliquity = 23°32'05, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'41, Lahiri = 13°47'42 Julian Calendar 1 July 1278 == Greg. Calendar 8 July 1278

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

AUGUST 1278 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 6 47	15♌18'54	29♐18	0♍57	19°R48	23♌52	12♋10	12♏22	29♊39	8♍41	15°R 7	7°R39	7♉42	9♊30	18°R48	M 1
T 2	21 10 43	16°16'38	13♑50	2°38	19♌12	24°30	12°22	12°24	29°42	8°43	15♑ 6	7♉31	7°39	9°37	18♒45	T 2
W 3	21 14 40	17°14'24	28°21	4°18	18°35	25° 8	12°34	12°27	29°45	8°45	15° 4	7°21	7°36	9°44	18°42	W 3
T 4	21 18 36	18°12'11	12♒43	5°57	17°57	25°46	12°46	12°29	29°47	8°47	15° 3	7°10	7°32	9°50	18°39	T 4
F 5	21 22 33	19° 9'59	26°51	7°34	17°20	26°24	12°58	12°32	29°50	8°49	15° 2	6°59	7°29	9°57	18°36	F 5
S 6	21 26 29	20° 7'49	10♓38	9°10	16°43	27° 2	13°10	12°34	29°53	8°51	15° 1	6°49	7°26	10° 4	18°33	S 6
S 7	21 30 26	21° 5'40	24° 2	10°44	16° 6	27°41	13°22	12°37	29°55	8°54	15° 0	6°40	7°23	10°10	18°30	S 7
M 8	21 34 23	22° 3'33	7♈ 2	12°18	15°31	28°19	13°34	12°40	29°58	8°56	14°59	6°35	7°20	10°17	18°27	M 8
T 9	21 38 19	23° 1'28	19°40	13°49	14°56	28°57	13°46	12°43	0♋ 0	8°58	14°58	6°31	7°16	10°24	18°24	T 9
W10	21 42 16	23°59'25	1♉58	15°20	14°22	29°35	13°58	12°45	0° 3	9° 0	14°57	6°D30	7°13	10°30	18°21	W10
T 11	21 46 12	24°57'23	14° 2	16°49	13°50	0♍14	14°10	12°49	0° 5	9° 2	14°56	6°30	7°10	10°37	18°18	T 11
F 12	21 50 9	25°55'24	25°56	18°16	13°19	0°52	14°21	12°52	0° 8	9° 4	14°55	6°R30	7° 7	10°44	18°15	F 12
S 13	21 54 5	26°53'26	7♊45	19°43	12°50	1°30	14°33	12°55	0°10	9° 7	14°54	6°30	7° 4	10°50	18°12	S 13
S 14	21 58 2	27°51'31	19°36	21° 8	12°23	2° 9	14°44	12°58	0°12	9° 9	14°53	6°28	7° 1	10°57	18° 9	S 14
M15	22 1 58	28°49'37	1♋32	22°31	11°57	2°47	14°56	13° 1	0°14	9°11	14°52	6°23	6°57	11° 4	18° 6	M15
T 16	22 5 55	29°47'45	13°38	23°53	11°34	3°25	15° 7	13° 5	0°17	9°13	14°51	6°16	6°54	11°10	18° 3	T 16
W17	22 9 52	0♍45'56	25°58	25°14	11°13	4° 4	15°19	13° 8	0°19	9°15	14°50	6° 7	6°51	11°17	18° 0	W17
T 18	22 13 48	1°44'08	8♌34	26°33	10°55	4°42	15°30	13°12	0°21	9°18	14°49	5°56	6°48	11°24	17°57	T 18
F 19	22 17 45	2°42'22	21°26	27°50	10°38	5°20	15°41	13°16	0°23	9°20	14°48	5°45	6°45	11°30	17°54	F 19
S 20	22 21 41	3°40'38	4♍34	29° 6	10°24	5°59	15°52	13°20	0°25	9°22	14°47	5°34	6°42	11°37	17°51	S 20
S 21	22 25 38	4°38'55	17°58	0♎20	10°13	6°37	16° 3	13°23	0°27	9°24	14°47	5°25	6°38	11°44	17°48	S 21
M22	22 29 34	5°37'14	1♎33	1°32	10° 3	7°16	16°14	13°27	0°29	9°26	14°46	5°18	6°35	11°50	17°46	M22
T 23	22 33 31	6°35'35	15°19	2°42	9°57	7°54	16°25	13°31	0°31	9°29	14°45	5°14	6°32	11°57	17°43	T 23
W24	22 37 27	7°33'58	29°13	3°51	9°52	8°33	16°35	13°35	0°33	9°31	14°44	5°D13	6°29	12° 4	17°40	W24
T 25	22 41 24	8°32'22	13♏12	4°57	9°D50	9°11	16°46	13°40	0°35	9°33	14°43	5°13	6°26	12°10	17°37	T 25
F 26	22 45 21	9°30'48	27°16	6° 1	9°50	9°50	16°56	13°44	0°37	9°35	14°43	5°14	6°22	12°17	17°34	F 26
S 27	22 49 17	10°29'16	11♐24	7° 3	9°53	10°28	17° 7	13°48	0°38	9°38	14°42	5°R14	6°19	12°24	17°32	S 27
S 28	22 53 14	11°27'45	25°34	8° 3	9°58	11° 7	17°17	13°53	0°40	9°40	14°41	5°13	6°16	12°30	17°29	S 28
M29	22 57 10	12°26'16	9♑44	9° 0	10° 5	11°46	17°27	13°57	0°42	9°42	14°41	5°10	6°13	12°37	17°26	M29
T 30	23 1 7	13°24'49	23°53	9°53	10°14	12°24	17°38	14° 2	0°43	9°44	14°40	5° 5	6°10	12°44	17°24	T 30
W31	23 5 3	14♍23'23	7♒57	10♎44	10♌26	13♍ 3	17♋48	14♏ 6	0♋45	9♍47	14♑40	4♉58	6♉ 7	12♊50	17♒21	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n18	27s29	3s57	12n12	1n 5	7n39	7s40	14n41	1n 7	23n 2	0n 4	13s33	2n 9	23n45	0n13	9n18	1n 2	24s22	1s42	14n 7	14n 8	24n39	8s58	6n36
T 2	16 1	27 23	4 36	11 29	0 59	7 43	7 48	14 28	1 7	23 1	0 4	13 34	2 9	23 45	0 13	9 18	1 2	24 22	1 42	14 5	14 7	24 41	8 59	6 36
W 3	15 44	25 25	4 57	10 47	0 52	7 48	7 54	14 15	1 7	23 0	0 4	13 35	2 9	23 45	0 13	9 17	1 2	24 22	1 42	14 1	14 6	24 43	9 0	6 36
T 4	15 26	21 50	4 59	10 5	0 46	7 53	8 0	14 2	1 7	22 59	0 4	13 36	2 9	23 45	0 13	9 16	1 2	24 23	1 42	13 58	14 5	24 44	9 1	6 36
F 5	15 8	17 3	4 43	9 22	0 39	7 59	8 5	13 48	1 7	22 58	0 4	13 37	2 8	23 45	0 13	9 15	1 2	24 23	1 42	13 54	14 4	24 46	9 1	6 36
S 6	14 50	11 28	4 11	8 39	0 32	8 6	8 9	13 35	1 6	22 57	0 4	13 38	2 8	23 45	0 13	9 15	1 2	24 23	1 43	13 51	14 3	24 48	9 2	6 36
S 7	14 31	5 31	3 25	7 57	0 24	8 14	8 12	13 22	1 6	22 56	0 4	13 39	2 8	23 45	0 13	9 14	1 2	24 23	1 43	13 48	14 2	24 49	9 3	6 36
M 8	14 13	0n31	2 30	7 14	0 17	8 22	8 15	13 8	1 6	22 55	0 4	13 40	2 8	23 45	0 13	9 13	1 2	24 23	1 43	13 46	14 1	24 51	9 4	6 36
T 9	13 54	6 22	1 28	6 32	0 9	8 31	8 16	12 55	1 6	22 54	0 4	13 41	2 8	23 45	0 13	9 12	1 2	24 24	1 43	13 45	14 0	24 53	9 5	6 36
W10	13 35	11 50	0 24	5 49	0 1	8 40	8 16	12 41	1 6	22 52	0 4	13 42	2 7	23 45	0 13	9 11	1 2	24 24	1 43	13 44	13 59	24 55	9 6	6 36
T 11	13 15	16 45	0n40	5 7	0s 7	8 49	8 16	12 27	1 5	22 51	0 5	13 44	2 7	23 45	0 13	9 10	1 2	24 24	1 43	13 44	13 58	24 56	9 7	6 36
F 12	12 56	20 57	1 41	4 25	0 15	8 58	8 15	12 14	1 5	22 50	0 5	13 45	2 7	23 45	0 13	9 10	1 2	24 24	1 43	13 45	13 57	24 58	9 8	6 36
S 13	12 36	24 17	2 38	3 44	0 23	9 8	8 13	12 0	1 5	22 49	0 5	13 46	2 7	23 45	0 13	9 9	1 2	24 24	1 43	13 44	13 56	25 0	9 9	6 36
S 14	12 16	26 35	3 28	3 3	0 32	9 18	8 10	11 46	1 5	22 48	0 5	13 47	2 6	23 45	0 13	9 8	1 2	24 24	1 43	13 44	13 54	25 1	9 10	6 35
M15	11 56	27 41	4 9	2 22	0 40	9 28	8 7	11 32	1 5	22 47	0 5	13 48	2 6	23 45	0 13	9 7	1 2	24 25	1 43	13 42	13 53	25 3	9 11	6 35
T 16	11 35	27 29	4 40	1 41	0 49	9 39	8 3	11 18	1 4	22 46	0 5	13 50	2 6	23 45	0 13	9 6	1 2	24 25	1 43	13 40	13 52	25 5	9 12	6 35
W17	11 15	25 55	4 58	1 1	0 58	9 49	7 58	11 3	1 4	22 44	0 5	13 51	2 6	23 46	0 13	9 5	1 2	24 25	1 43	13 37	13 51	25 6	9 13	6 35
T 18	10 54	23 3	5 3	0 22	1 6	9 59	7 52	10 49	1 4	22 43	0 5	13 52	2 5	23 46	0 13	9 5	1 2	24 25	1 43	13 33	13 50	25 8	9 14	6 35
F 19	10 33	19 1	4 52	0s17	1 15	10 9	7 46	10 35	1 4	22 42	0 6	13 54	2 5	23 46	0 13	9 4	1 2	24 25	1 43	13 29	13 49	25 10	9 15	6 35
S 20	10 12	13 59	4 26	0 55	1 24	10 19	7 40	10 20	1 4	22 41	0 6	13 55	2 5	23 46	0 13	9 3	1 2	24 25	1 43	13 26	13 48	25 11	9 16	6 35
S 21	9 51	8 13	3 44	1 33	1 32	10 29	7 33	10 6	1 3	22 40	0 6	13 56	2 5	23 46	0 14	9 2	1 2	24 25	1 43	13 23	13 47	25 13	9 17	6 34
M22	9 29	1 58	2 50	2 9	1 41	10 38	7 26	9 51	1 3	22 38	0 6	13 58	2 4	23 46	0 14	9 1	1 2	24 26	1 43	13 21	13 46	25 15	9 18	6 34
T 23	9 8	4s27	1 44	2 45	1 50	10 47	7 18	9 37	1 3	22 37	0 6	13 59	2 4	23 46	0 14	9 0	1 2	24 26	1 43	13 19	13 45	25 16	9 19	6 34
W24	8 46	10 44	0 32	3 21	1 58	10 56	7 10	9 22	1 3	22 36	0 6	14 1	2 4	23 46	0 14	9 0	1 2	24 26	1 44	13 19	13 44	25 18	9 21	6 34
T 25	8 24	16 33	0s43	3 55	2 7	11 5	7 1	9 7	1 2	22 35	0 6	14 2	2 4	23 46	0 14	8 59	1 2	24 26	1 44	13 19	13 43	25 20	9 22	6 34
F 26	8 2	21 30	1 55	4 28	2 15	11 13	6 53	8 52	1 2	22 34	0 6	14 3	2 4	23 46	0 14	8 58	1 2	24 26	1 44	13 19	13 42	25 21	9 23	6 34
S 27	7 40	25 14	3 2	5 0	2 23	11 21	6 44	8 38	1 2	22 32	0 6	14 5	2 3	23 46	0 14	8 57	1 2	24 26	1 44	13 19	13 41	25 23	9 24	6 33
S 28	7 18	27 24	3 57	5 31	2 32	11 29	6 35	8 23	1 2	22 31	0 7	14 6	2 3	23 46	0 14	8 56	1 2	24 26	1 44	13 19	13 40	25 24	9 25	6 33
M29	6 55	27 47	4 37	6 1	2 40	11 36	6 26	8 8	1 2	22 30	0 7	14 8	2 3	23 46	0 14	8 55	1 2	24 27	1 44	13 18	13 39	25 26	9 26	6 33
T 30	6 33	26 21	5 1	6 30	2 47	11 42	6 16	7 53	1 1	22 29	0 7	14 10	2 3	23 46	0 14	8 55	1 2	24 27	1 44	13 16	13 38	25 28	9 27	6 33
W31	6n10	23s17	5s 6	6s57	2s55	11n49	6s 7	7n38	1n 1	22n28	0n 7	14s11	2n 3	23n46	0n14	8n54	1n 2	24s27	1s44	13n14	13n37	25n29	9s28	6n32

Julian Day Number = 2188059.5, Delta T = 10m58s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'46, Lahiri = 13°47'46 Julian Calendar 1 Aug. 1278 == Greg. Calendar 8 Aug. 1278

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

SEPTEMBER 1278 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 9 0	15♍21'59	21♒53	11♎32	10♌39	13♍41	17♋57	14♏11	0♋46	9♍49	14°R39	4°R50	6♉ 3	12♊57	17°R18	T 1
F 2	23 12 56	16°20'37	5♓36	12°16	10°55	14°20	18° 7	14°16	0°48	9°51	14♑39	4♉42	6° 0	13° 4	17♒16	F 2
S 3	23 16 53	17°19'17	19° 3	12°56	11°13	14°59	18°17	14°20	0°49	9°53	14°38	4°34	5°57	13°10	17°13	S 3
S 4	23 20 50	18°17'58	2♈12	13°33	11°32	15°37	18°27	14°25	0°51	9°55	14°38	4°29	5°54	13°17	17°11	S 4
M 5	23 24 46	19°16'42	15° 2	14° 5	11°53	16°16	18°36	14°30	0°52	9°58	14°37	4°25	5°51	13°24	17° 8	M 5
T 6	23 28 43	20°15'28	27°34	14°32	12°16	16°55	18°46	14°35	0°53	10° 0	14°37	4°23	5°48	13°30	17° 6	T 6
W 7	23 32 39	21°14'16	9♉50	14°53	12°41	17°34	18°55	14°40	0°55	10° 2	14°36	4°D23	5°44	13°37	17° 4	W 7
T 8	23 36 36	22°13'06	21°53	15°10	13° 8	18°12	19° 4	14°45	0°56	10° 4	14°36	4°24	5°41	13°44	17° 1	T 8
F 9	23 40 32	23°11'59	3♊47	15°20	13°36	18°51	19°13	14°51	0°57	10° 6	14°36	4°25	5°38	13°50	16°59	F 9
S 10	23 44 29	24°10'54	15°37	15°R24	14° 6	19°30	19°22	14°56	0°58	10° 9	14°35	4°27	5°35	13°57	16°57	S 10
S 11	23 48 25	25° 9'51	27°28	15°21	14°37	20° 9	19°31	15° 1	0°59	10°11	14°35	4°R27	5°32	14° 4	16°55	S 11
M12	23 52 22	26° 8'51	9♋25	15°12	15°10	20°48	19°40	15° 7	1° 0	10°13	14°35	4°26	5°28	14°10	16°53	M12
T 13	23 56 18	27° 7'53	21°33	14°54	15°44	21°27	19°48	15°12	1° 1	10°15	14°35	4°23	5°25	14°17	16°50	T 13
W14	0 0 15	28° 6'58	3♌56	14°29	16°20	22° 6	19°57	15°18	1° 2	10°17	14°35	4°19	5°22	14°24	16°48	W14
T 15	0 4 12	29° 6'04	16°38	13°57	16°57	22°45	20° 5	15°23	1° 3	10°19	14°34	4°14	5°19	14°30	16°46	T 15
F 16	0 8 8	0♎ 5'13	29°40	13°16	17°35	23°24	20°13	15°29	1° 3	10°21	14°34	4° 8	5°16	14°37	16°44	F 16
S 17	0 12 5	1° 4'24	13♍ 3	12°29	18°14	24° 3	20°21	15°34	1° 4	10°24	14°34	4° 2	5°13	14°44	16°43	S 17
S 18	0 16 1	2° 3'37	26°46	11°34	18°54	24°42	20°29	15°40	1° 5	10°26	14°34	3°58	5° 9	14°50	16°41	S 18
M19	0 19 58	3° 2'52	10♎45	10°33	19°36	25°21	20°37	15°46	1° 5	10°28	14°34	3°55	5° 6	14°57	16°39	M19
T 20	0 23 54	4° 2'09	24°57	9°27	20°18	26° 0	20°45	15°52	1° 6	10°30	14°D34	3°53	5° 3	15° 4	16°37	T 20
W21	0 27 51	5° 1'29	9♏18	8°18	21° 2	26°39	20°52	15°58	1° 6	10°32	14°34	3°D53	5° 0	15°10	16°35	W21
T 22	0 31 47	6° 0'50	23°41	7° 7	21°47	27°18	21° 0	16° 4	1° 7	10°34	14°34	3°54	4°57	15°17	16°34	T 22
F 23	0 35 44	7° 0'13	8♐ 4	5°55	22°32	27°57	21° 7	16° 9	1° 7	10°36	14°34	3°55	4°53	15°24	16°32	F 23
S 24	0 39 41	7°59'38	22°22	4°46	23°19	28°36	21°14	16°16	1° 7	10°38	14°34	3°56	4°50	15°31	16°31	S 24
S 25	0 43 37	8°59'05	6♑34	3°41	24° 6	29°16	21°21	16°22	1° 8	10°40	14°34	3°R57	4°47	15°37	16°29	S 25
M26	0 47 34	9°58'33	20°37	2°41	24°55	29°55	21°28	16°28	1° 8	10°42	14°35	3°57	4°44	15°44	16°28	M26
T 27	0 51 30	10°58'04	4♒30	1°49	25°44	0♎34	21°34	16°34	1° 8	10°44	14°35	3°55	4°41	15°51	16°26	T 27
W28	0 55 27	11°57'36	18°11	1° 7	26°34	1°13	21°41	16°40	1° 8	10°46	14°35	3°53	4°38	15°57	16°25	W28
T 29	0 59 23	12°57'09	1♓41	0°34	27°24	1°53	21°47	16°46	1° 8	10°48	14°35	3°50	4°34	16° 4	16°24	T 29
F 30	1 3 20	13♎56'45	14♓57	0♎12	28♌16	2♎32	21♋54	16♏53	1°R 8	10♍50	14♑35	3♉47	4♉31	16♊11	16♒22	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n47	18s53	4s53	7s22	3s 2	11n54	5s57	7n22	1n 1	22n26	0n 7	14s13	2n 2	23n46	0n14	8n53	1n 2	24s27	1s44	13n11	13n36	25n31	9s29	6n32
F 2	5 25	13 35	4 24	7 46	3 9	12 0	5 47	7 7	1 1	22 25	0 7	14 14	2 2	23 46	0 14	8 52	1 2	24 27	1 44	13 8	13 35	25 32	9 30	6 32
S 3	5 2	7 43	3 40	8 7	3 15	12 4	5 37	6 52	1 0	22 24	0 7	14 16	2 2	23 46	0 14	8 51	1 2	24 27	1 44	13 6	13 33	25 34	9 31	6 32
S 4	4 39	1 39	2 45	8 27	3 21	12 9	5 27	6 37	1 0	22 23	0 7	14 17	2 2	23 46	0 14	8 50	1 2	24 27	1 44	13 4	13 32	25 35	9 32	6 31
M 5	4 16	4n22	1 43	8 45	3 27	12 12	5 18	6 21	1 0	22 22	0 8	14 19	2 2	23 46	0 14	8 50	1 2	24 27	1 44	13 2	13 31	25 37	9 32	6 31
T 6	3 52	10 5	0 37	9 0	3 32	12 16	5 8	6 6	0 59	22 21	0 8	14 21	2 1	23 46	0 14	8 49	1 2	24 27	1 44	13 2	13 30	25 38	9 33	6 31
W 7	3 29	15 17	0n30	9 12	3 36	12 18	4 58	5 51	0 59	22 19	0 8	14 22	2 1	23 46	0 14	8 48	1 2	24 27	1 44	13 2	13 29	25 40	9 34	6 31
T 8	3 6	19 49	1 34	9 22	3 39	12 20	4 48	5 35	0 59	22 18	0 8	14 24	2 1	23 46	0 14	8 47	1 2	24 27	1 44	13 2	13 28	25 41	9 35	6 30
F 9	2 43	23 30	2 33	9 28	3 42	12 22	4 38	5 20	0 59	22 17	0 8	14 26	2 1	23 46	0 14	8 46	1 2	24 28	1 44	13 3	13 27	25 43	9 36	6 30
S 10	2 19	26 9	3 25	9 31	3 44	12 23	4 28	5 4	0 58	22 16	0 8	14 28	2 1	23 46	0 14	8 46	1 3	24 28	1 44	13 3	13 26	25 45	9 37	6 30
S 11	1 56	27 40	4 9	9 31	3 44	12 23	4 19	4 48	0 58	22 15	0 8	14 29	2 0	23 46	0 14	8 45	1 3	24 28	1 44	13 3	13 25	25 46	9 38	6 29
M12	1 32	27 53	4 42	9 27	3 44	12 23	4 9	4 33	0 58	22 14	0 8	14 31	2 0	23 46	0 14	8 44	1 3	24 28	1 44	13 3	13 24	25 48	9 39	6 29
T 13	1 9	26 48	5 3	9 18	3 42	12 22	3 59	4 17	0 58	22 13	0 9	14 33	2 0	23 46	0 14	8 43	1 3	24 28	1 44	13 2	13 23	25 49	9 40	6 29
W14	0 45	24 23	5 11	9 5	3 38	12 21	3 50	4 1	0 57	22 11	0 9	14 35	2 0	23 46	0 14	8 42	1 3	24 28	1 44	13 1	13 22	25 50	9 41	6 28
T 15	0 22	20 44	5 4	8 48	3 33	12 19	3 40	3 46	0 57	22 10	0 9	14 36	2 0	23 46	0 14	8 42	1 3	24 28	1 45	12 59	13 21	25 52	9 42	6 28
F 16	0s 2	16 1	4 41	8 25	3 26	12 17	3 31	3 30	0 57	22 9	0 9	14 38	2 0	23 46	0 14	8 41	1 3	24 28	1 45	12 57	13 20	25 53	9 43	6 28
S 17	0 26	10 25	4 2	7 59	3 18	12 14	3 22	3 14	0 56	22 8	0 9	14 40	1 59	23 46	0 14	8 40	1 3	24 28	1 45	12 55	13 19	25 55	9 44	6 28
S 18	0 49	4 11	3 9	7 27	3 7	12 10	3 12	2 58	0 56	22 7	0 9	14 42	1 59	23 46	0 14	8 39	1 3	24 28	1 45	12 53	13 18	25 56	9 44	6 27
M19	1 13	2s23	2 3	6 52	2 54	12 6	3 3	2 43	0 56	22 6	0 9	14 44	1 59	23 46	0 14	8 38	1 3	24 28	1 45	12 52	13 16	25 58	9 45	6 27
T 20	1 37	8 57	0 49	6 13	2 40	12 1	2 54	2 27	0 56	22 5	0 10	14 45	1 59	23 46	0 14	8 38	1 3	24 28	1 45	12 52	13 15	25 59	9 46	6 26
W21	2 0	15 7	0s30	5 30	2 24	11 56	2 46	2 11	0 55	22 4	0 10	14 47	1 59	23 46	0 14	8 37	1 3	24 28	1 45	12 52	13 14	26 1	9 47	6 26
T 22	2 24	20 29	1 47	4 46	2 6	11 50	2 37	1 55	0 55	22 3	0 10	14 49	1 59	23 46	0 14	8 36	1 3	24 28	1 45	12 52	13 13	26 2	9 48	6 26
F 23	2 47	24 39	2 57	4 0	1 47	11 43	2 28	1 39	0 55	22 2	0 10	14 51	1 58	23 46	0 14	8 35	1 3	24 28	1 45	12 52	13 12	26 3	9 49	6 25
S 24	3 11	27 14	3 56	3 14	1 28	11 36	2 20	1 23	0 54	22 1	0 10	14 53	1 58	23 46	0 14	8 35	1 3	24 28	1 45	12 53	13 11	26 5	9 49	6 25
S 25	3 35	28 1	4 39	2 30	1 7	11 29	2 11	1 7	0 54	22 0	0 10	14 55	1 58	23 46	0 14	8 34	1 3	24 28	1 45	12 53	13 10	26 6	9 50	6 25
M26	3 58	26 59	5 6	1 47	0 47	11 21	2 3	0 51	0 54	21 59	0 10	14 57	1 58	23 46	0 14	8 33	1 3	24 28	1 45	12 53	13 9	26 8	9 51	6 24
T 27	4 21	24 18	5 14	1 8	0 26	11 12	1 55	0 35	0 53	21 58	0 10	14 58	1 58	23 46	0 14	8 32	1 3	24 28	1 45	12 53	13 8	26 9	9 52	6 24
W28	4 45	20 16	5 5	0 32	0 6	11 3	1 46	0 19	0 53	21 57	0 11	15 0	1 58	23 46	0 14	8 32	1 3	24 28	1 45	12 52	13 7	26 10	9 53	6 24
T 29	5 8	15 15	4 38	0 2	0n13	10 53	1 39	0 3	0 53	21 56	0 11	15 2	1 58	23 46	0 14	8 31	1 3	24 28	1 45	12 51	13 6	26 12	9 53	6 23
F 30	5s31	9s36	3s57	0n23	0n30	10n42	1s31	0s13	0n52	21n56	0n11	15s 4	1n57	23n46	0n14	8n30	1n 3	24s28	1s45	12n50	13n 5	26n13	9s54	6n23

Julian Day Number = 2188090.5, Delta T = 10m58s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'50, Lahiri = 13°47'50 Julian Calendar 1 Sept. 1278 == Greg. Calendar 8 Sept. 1278

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

OCTOBER 1278 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 7 16	14♎56'22	27♓59	0°D 1	29♌ 8	3♎11	22♋ 0	16♏59	1°R 8	10♍52	14♑36	3°R44	4♉28	16♊17	16°R21	S 1
S 2	1 11 13	15°56'02	10♈48	0♎ 2	0♍ 1	3°51	22° 5	17° 5	1♋ 8	10°54	14°36	3♉42	4°25	16°24	16♒20	S 2
M 3	1 15 10	16°55'43	23°22	0°13	0°54	4°30	22°11	17°12	1° 8	10°56	14°37	3°41	4°22	16°31	16°19	M 3
T 4	1 19 6	17°55'27	5♉43	0°35	1°49	5° 9	22°17	17°18	1° 8	10°58	14°37	3°D40	4°19	16°37	16°18	T 4
W 5	1 23 3	18°55'12	17°53	1° 7	2°44	5°49	22°22	17°25	1° 8	11° 0	14°37	3°41	4°15	16°44	16°17	W 5
T 6	1 26 59	19°55'00	29°52	1°48	3°39	6°28	22°27	17°31	1° 7	11° 1	14°38	3°42	4°12	16°51	16°16	T 6
F 7	1 30 56	20°54'50	11♊45	2°37	4°35	7° 8	22°33	17°38	1° 7	11° 3	14°38	3°43	4° 9	16°57	16°16	F 7
S 8	1 34 52	21°54'42	23°35	3°33	5°32	7°47	22°38	17°44	1° 7	11° 5	14°39	3°44	4° 6	17° 4	16°15	S 8
S 9	1 38 49	22°54'37	5♋25	4°36	6°29	8°27	22°42	17°51	1° 6	11° 7	14°39	3°45	4° 3	17°11	16°14	S 9
M10	1 42 45	23°54'33	17°21	5°45	7°27	9° 6	22°47	17°58	1° 6	11° 9	14°40	3°46	3°59	17°17	16°14	M10
T 11	1 46 42	24°54'32	29°27	6°58	8°25	9°46	22°51	18° 4	1° 5	11°10	14°41	3°R46	3°56	17°24	16°13	T 11
W12	1 50 39	25°54'33	11♌48	8°17	9°24	10°26	22°56	18°11	1° 4	11°12	14°41	3°46	3°53	17°31	16°13	W12
T 13	1 54 35	26°54'36	24°28	9°38	10°23	11° 5	23° 0	18°18	1° 4	11°14	14°42	3°45	3°50	17°37	16°12	T 13
F 14	1 58 32	27°54'41	7♍31	11° 3	11°23	11°45	23° 3	18°25	1° 3	11°15	14°43	3°44	3°47	17°44	16°12	F 14
S 15	2 2 28	28°54'49	20°58	12°30	12°23	12°25	23° 7	18°31	1° 2	11°17	14°43	3°44	3°44	17°51	16°11	S 15
S 16	2 6 25	29°54'58	4♎50	14° 0	13°24	13° 4	23°11	18°38	1° 1	11°19	14°44	3°43	3°40	17°57	16°11	S 16
M17	2 10 21	0♏55'10	19° 4	15°31	14°25	13°44	23°14	18°45	1° 0	11°20	14°45	3°43	3°37	18° 4	16°11	M17
T 18	2 14 18	1°55'23	3♏38	17° 4	15°26	14°24	23°17	18°52	1° 0	11°22	14°46	3°D43	3°34	18°11	16°11	T 18
W19	2 18 14	2°55'38	18°24	18°37	16°28	15° 4	23°20	18°59	0°59	11°23	14°46	3°43	3°31	18°18	16°D11	W19
T 20	2 22 11	3°55'55	3♐15	20°12	17°30	15°44	23°23	19° 6	0°58	11°25	14°47	3°R43	3°28	18°24	16°11	T 20
F 21	2 26 8	4°56'14	18° 4	21°47	18°33	16°24	23°26	19°13	0°56	11°26	14°48	3°43	3°25	18°31	16°11	F 21
S 22	2 30 4	5°56'34	2♑44	23°23	19°36	17° 3	23°28	19°20	0°55	11°28	14°49	3°43	3°21	18°38	16°11	S 22
S 23	2 34 1	6°56'56	17°10	24°59	20°39	17°43	23°30	19°27	0°54	11°29	14°50	3°42	3°18	18°44	16°11	S 23
M24	2 37 57	7°57'19	1♒18	26°36	21°42	18°23	23°32	19°34	0°53	11°31	14°51	3°D42	3°15	18°51	16°12	M24
T 25	2 41 54	8°57'44	15° 7	28°12	22°46	19° 3	23°34	19°41	0°52	11°32	14°52	3°42	3°12	18°58	16°12	T 25
W26	2 45 50	9°58'09	28°36	29°49	23°51	19°43	23°36	19°48	0°50	11°33	14°53	3°42	3° 9	19° 4	16°12	W26
T 27	2 49 47	10°58'37	11♓48	1♏26	24°55	20°23	23°37	19°55	0°49	11°35	14°54	3°43	3° 5	19°11	16°13	T 27
F 28	2 53 43	11°59'05	24°43	3° 2	26° 0	21° 3	23°38	20° 2	0°48	11°36	14°55	3°44	3° 2	19°18	16°13	F 28
S 29	2 57 40	12°59'35	7♈24	4°39	27° 5	21°44	23°39	20° 9	0°46	11°37	14°56	3°45	2°59	19°24	16°14	S 29
S 30	3 1 37	14° 0'06	19°52	6°15	28°11	22°24	23°40	20°16	0°45	11°39	14°57	3°45	2°56	19°31	16°14	S 30
M31	3 5 33	15♏ 0'39	2♉10	7♏51	29♍16	23♎ 4	23♋41	20♏23	0♋43	11♍40	14♑58	3°R46	2♉53	19♊38	16♒15	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	5s55	3s37	3s 4	0n42	0n47	10n32	1s23	0s29	0n52	21n55	0n11	15s 6	1n57	23n46	0n14	8n29	1n 3	24s28	1s45	12n49	13n 4	26n15	9s55	6n22	S 1
S 2	6 18	2n24	2 3	0 56	1 2	10 20	1 15	0 45	0 52	21 54	0 11	15 8	1 57	23 46	0 14	8 29	1 3	24 28	1 45	12 48	13 3	26 16	9 55	6 22	S 2
M 3	6 41	8 14	0 57	1 3	1 15	10 8	1 8	1 1	0 51	21 53	0 11	15 10	1 57	23 46	0 14	8 28	1 3	24 28	1 45	12 48	13 2	26 17	9 56	6 22	M 3
T 4	7 4	13 40	0n11	1 5	1 27	9 56	1 1	1 17	0 51	21 52	0 12	15 12	1 57	23 46	0 14	8 27	1 3	24 28	1 45	12 47	13 0	26 19	9 57	6 21	T 4
W 5	7 26	18 28	1 18	1 2	1 37	9 43	0 53	1 33	0 51	21 52	0 12	15 14	1 57	23 46	0 14	8 27	1 3	24 28	1 45	12 48	12 59	26 20	9 57	6 21	W 5
T 6	7 49	22 29	2 20	0 53	1 45	9 29	0 46	1 49	0 50	21 51	0 12	15 16	1 57	23 46	0 14	8 26	1 3	24 28	1 45	12 48	12 58	26 21	9 58	6 20	T 6
F 7	8 12	25 31	3 16	0 40	1 52	9 15	0 39	2 5	0 50	21 50	0 12	15 18	1 56	23 46	0 15	8 25	1 3	24 28	1 45	12 48	12 57	26 23	9 59	6 20	F 7
S 8	8 34	27 25	4 3	0 23	1 58	9 1	0 32	2 21	0 50	21 50	0 12	15 20	1 56	23 46	0 15	8 25	1 3	24 28	1 45	12 49	12 56	26 24	9 59	6 20	S 8
S 9	8 57	28 4	4 39	0 2	2 2	8 46	0 26	2 37	0 49	21 49	0 12	15 22	1 56	23 46	0 15	8 24	1 3	24 28	1 45	12 49	12 55	26 25	10 0	6 19	S 9
M10	9 19	27 26	5 4	0s23	2 5	8 31	0 19	2 52	0 49	21 48	0 12	15 24	1 56	23 46	0 15	8 23	1 3	24 28	1 45	12 49	12 54	26 27	10 0	6 19	M10
T 11	9 41	25 30	5 16	0 50	2 7	8 15	0 13	3 8	0 49	21 48	0 13	15 25	1 56	23 46	0 15	8 23	1 3	24 28	1 45	12 49	12 53	26 28	10 1	6 18	T 11
W12	10 3	22 20	5 14	1 20	2 8	7 59	0 7	3 24	0 48	21 47	0 13	15 27	1 56	23 46	0 15	8 22	1 3	24 28	1 46	12 49	12 52	26 29	10 2	6 18	W12
T 13	10 25	18 4	4 57	1 53	2 8	7 42	0 0	3 40	0 48	21 47	0 13	15 29	1 56	23 47	0 15	8 22	1 3	24 28	1 46	12 49	12 51	26 30	10 2	6 17	T 13
F 14	10 46	12 52	4 24	2 27	2 7	7 25	0n 6	3 56	0 47	21 46	0 13	15 31	1 56	23 47	0 15	8 21	1 3	24 28	1 46	12 49	12 50	26 32	10 3	6 17	F 14
S 15	11 8	6 54	3 36	3 3	2 5	7 7	0 11	4 12	0 47	21 46	0 13	15 33	1 56	23 47	0 15	8 20	1 3	24 28	1 46	12 49	12 49	26 33	10 3	6 17	S 15
S 16	11 29	0 25	2 34	3 40	2 2	6 49	0 17	4 28	0 47	21 45	0 13	15 35	1 56	23 47	0 15	8 20	1 3	24 28	1 46	12 48	12 47	26 34	10 4	6 16	S 16
M17	11 50	6s15	1 20	4 18	1 59	6 31	0 23	4 44	0 46	21 45	0 14	15 37	1 55	23 47	0 15	8 19	1 4	24 28	1 46	12 48	12 46	26 35	10 4	6 16	M17
T 18	12 11	12 46	0 0	4 57	1 56	6 12	0 28	5 0	0 46	21 45	0 14	15 39	1 55	23 47	0 15	8 19	1 4	24 28	1 46	12 48	12 45	26 37	10 4	6 15	T 18
W19	12 32	18 40	1s21	5 36	1 52	5 53	0 34	5 15	0 45	21 44	0 14	15 41	1 55	23 47	0 15	8 18	1 4	24 28	1 46	12 48	12 44	26 38	10 5	6 15	W19
T 20	12 53	23 27	2 37	6 16	1 47	5 33	0 39	5 31	0 45	21 44	0 14	15 43	1 55	23 47	0 15	8 18	1 4	24 28	1 46	12 48	12 43	26 39	10 5	6 15	T 20
F 21	13 13	26 41	3 42	6 56	1 42	5 13	0 44	5 47	0 45	21 44	0 14	15 45	1 55	23 47	0 15	8 17	1 4	24 28	1 46	12 48	12 42	26 40	10 6	6 14	F 21
S 22	13 33	28 3	4 32	7 37	1 37	4 53	0 49	6 3	0 44	21 43	0 14	15 47	1 55	23 47	0 15	8 16	1 4	24 28	1 46	12 48	12 41	26 42	10 6	6 14	S 22
S 23	13 53	27 27	5 4	8 17	1 32	4 33	0 54	6 18	0 44	21 43	0 15	15 49	1 55	23 47	0 15	8 16	1 4	24 28	1 46	12 48	12 40	26 43	10 6	6 13	S 23
M24	14 13	25 6	5 17	8 58	1 26	4 12	0 58	6 34	0 43	21 43	0 15	15 51	1 55	23 47	0 15	8 15	1 4	24 28	1 46	12 48	12 39	26 44	10 7	6 13	M24
T 25	14 33	21 19	5 11	9 38	1 20	3 50	1 3	6 50	0 43	21 43	0 15	15 53	1 55	23 47	0 15	8 15	1 4	24 27	1 46	12 48	12 38	26 45	10 7	6 12	T 25
W26	14 52	16 30	4 48	10 18	1 14	3 29	1 7	7 5	0 43	21 43	0 15	15 55	1 55	23 47	0 15	8 14	1 4	24 27	1 46	12 48	12 37	26 46	10 7	6 12	W26
T 27	15 11	11 1	4 10	10 58	1 8	3 7	1 11	7 21	0 42	21 43	0 15	15 57	1 55	23 47	0 15	8 14	1 4	24 27	1 46	12 48	12 36	26 47	10 8	6 12	T 27
F 28	15 30	5 10	3 20	11 37	1 1	2 45	1 16	7 36	0 42	21 43	0 15	15 59	1 55	23 47	0 15	8 14	1 4	24 27	1 46	12 49	12 34	26 49	10 8	6 11	F 28
S 29	15 48	0n47	2 21	12 16	0 55	2 23	1 20	7 52	0 41	21 43	0 16	16 1	1 55	23 47	0 15	8 13	1 4	24 27	1 46	12 49	12 33	26 50	10 8	6 11	S 29
S 30	16 6	6 37	1 16	12 54	0 48	2 0	1 23	8 7	0 41	21 43	0 16	16 3	1 54	23 47	0 15	8 13	1 4	24 27	1 46	12 49	12 32	26 51	10 8	6 10	S 30
M31	16s24	12n 8	0s 9	13s32	0n41	1n37	1n27	8s22	0n41	21n43	0n16	16s 5	1n54	23n47	0n15	8n12	1n 4	24s27	1s46	12n49	12n31	26n52	10s 9	6n10	M31

Julian Day Number = 2188120.5, Delta T = 10m58s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'54, Lahiri = 13°47'54 Julian Calendar 1 Oct. 1278 == Greg. Calendar 8 Oct. 1278

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

NOVEMBER 1278 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 9 30	16♏ 1'13	14♉18	9♏28	0♎22	23♎44	23♋41	20♏30	0°R41	11♍41	15♑ 0	3°R45	2♉50	19♊44	16♒16	T 1
W 2	3 13 26	17° 1'49	26°19	11° 3	1°29	24°24	23°42	20°37	0♋40	11°42	15° 1	3♉45	2°46	19°51	16°17	W 2
T 3	3 17 23	18° 2'27	8♊14	12°39	2°35	25° 4	23°R42	20°44	0°38	11°43	15° 2	3°43	2°43	19°58	16°18	T 3
F 4	3 21 19	19° 3'06	20° 5	14°15	3°42	25°45	23°42	20°51	0°36	11°45	15° 3	3°41	2°40	20° 5	16°19	F 4
S 5	3 25 16	20° 3'46	1♋54	15°50	4°49	26°25	23°41	20°58	0°35	11°46	15° 5	3°38	2°37	20°11	16°20	S 5
S 6	3 29 12	21° 4'28	13°45	17°25	5°56	27° 5	23°41	21° 5	0°33	11°47	15° 6	3°35	2°34	20°18	16°21	S 6
M 7	3 33 9	22° 5'12	25°41	19° 0	7° 4	27°46	23°40	21°12	0°31	11°48	15° 7	3°33	2°31	20°25	16°22	M 7
T 8	3 37 6	23° 5'57	7♌45	20°35	8°12	28°26	23°39	21°20	0°29	11°49	15° 9	3°31	2°27	20°31	16°23	T 8
W 9	3 41 2	24° 6'44	20° 2	22°10	9°19	29° 6	23°38	21°27	0°27	11°50	15°10	3°D30	2°24	20°38	16°24	W 9
T 10	3 44 59	25° 7'33	2♍36	23°45	10°28	29°47	23°37	21°34	0°25	11°51	15°11	3°30	2°21	20°45	16°26	T 10
F 11	3 48 55	26° 8'23	15°32	25°19	11°36	0♏27	23°35	21°41	0°23	11°51	15°13	3°31	2°18	20°51	16°27	F 11
S 12	3 52 52	27° 9'14	28°52	26°54	12°44	1° 8	23°33	21°48	0°21	11°52	15°14	3°33	2°15	20°58	16°28	S 12
S 13	3 56 48	28°10'07	12♎39	28°28	13°53	1°48	23°32	21°55	0°19	11°53	15°16	3°34	2°11	21° 5	16°30	S 13
M14	4 0 45	29°11'01	26°54	0♐ 2	15° 2	2°29	23°29	22° 2	0°17	11°54	15°17	3°R35	2° 8	21°11	16°32	M14
T 15	4 4 41	0♐11'57	11♏34	1°37	16°11	3°10	23°27	22° 9	0°15	11°55	15°18	3°35	2° 5	21°18	16°33	T 15
W16	4 8 38	1°12'54	26°33	3°11	17°20	3°50	23°25	22°16	0°13	11°55	15°20	3°34	2° 2	21°25	16°35	W16
T 17	4 12 35	2°13'52	11♐44	4°45	18°30	4°31	23°22	22°23	0°11	11°56	15°22	3°31	1°59	21°31	16°37	T 17
F 18	4 16 31	3°14'51	26°57	6°19	19°39	5°12	23°19	22°30	0° 9	11°57	15°23	3°27	1°56	21°38	16°38	F 18
S 19	4 20 28	4°15'51	12♑ 0	7°53	20°49	5°52	23°16	22°37	0° 6	11°57	15°25	3°22	1°52	21°45	16°40	S 19
S 20	4 24 24	5°16'51	26°47	9°27	21°59	6°33	23°13	22°44	0° 4	11°58	15°26	3°18	1°49	21°52	16°42	S 20
M21	4 28 21	6°17'53	11♒10	11° 2	23° 9	7°14	23° 9	22°51	0° 2	11°59	15°28	3°14	1°46	21°58	16°44	M21
T 22	4 32 17	7°18'55	25° 7	12°36	24°19	7°55	23° 6	22°58	29♊59	11°59	15°29	3°12	1°43	22° 5	16°46	T 22
W23	4 36 14	8°19'57	8♓37	14°10	25°29	8°35	23° 2	23° 5	29°57	12° 0	15°31	3°D11	1°40	22°12	16°48	W23
T 24	4 40 10	9°21'00	21°43	15°45	26°40	9°16	22°58	23°12	29°55	12° 0	15°33	3°12	1°37	22°18	16°50	T 24
F 25	4 44 7	10°22'03	4♈28	17°19	27°50	9°57	22°53	23°19	29°52	12° 0	15°34	3°14	1°33	22°25	16°53	F 25
S 26	4 48 4	11°23'07	16°55	18°53	29° 1	10°38	22°49	23°26	29°50	12° 1	15°36	3°15	1°30	22°32	16°55	S 26
S 27	4 52 0	12°24'11	29° 9	20°28	0♏12	11°19	22°45	23°33	29°48	12° 1	15°38	3°R16	1°27	22°38	16°57	S 27
M28	4 55 57	13°25'16	11♉13	22° 3	1°23	12° 0	22°40	23°39	29°45	12° 2	15°40	3°16	1°24	22°45	16°59	M28
T 29	4 59 53	14°26'22	23°11	23°37	2°34	12°41	22°35	23°46	29°43	12° 2	15°41	3°14	1°21	22°52	17° 2	T 29
W30	5 3 50	15♐27'28	5♊ 4	25♐12	3♏45	13♏22	22♋30	23♏53	29♊40	12♍ 2	15♑43	3♉10	1♉17	22♊58	17♒ 4	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s42	17n 7	0n58	14s 9	0n35	1n14	1n31	8s38	0n40	21n43	0n16	16s 6	1n54	23n47	0n15	8n12	1n 4	24s27	1s46	12n49	12n30	26n53	10s 9	6n 9
W 2	16 59	21 22	2 2	14 46	0 28	0 51	1 34	8 53	0 40	21 43	0 16	16 8	1 54	23 47	0 15	8 11	1 4	24 27	1 46	12 49	12 29	26 54	10 9	6 9
T 3	17 16	24 43	2 59	15 22	0 21	0 27	1 37	9 8	0 39	21 43	0 16	16 10	1 54	23 47	0 15	8 11	1 4	24 27	1 46	12 48	12 28	26 56	10 9	6 9
F 4	17 33	26 58	3 49	15 57	0 14	0 4	1 41	9 23	0 39	21 43	0 17	16 12	1 54	23 47	0 15	8 11	1 4	24 27	1 46	12 48	12 27	26 57	10 9	6 8
S 5	17 50	28 0	4 29	16 32	0 7	0s20	1 44	9 38	0 38	21 43	0 17	16 14	1 54	23 47	0 15	8 10	1 4	24 27	1 46	12 47	12 26	26 58	10 9	6 8
S 6	18 6	27 44	4 57	17 5	0 1	0 44	1 47	9 53	0 38	21 44	0 17	16 16	1 54	23 47	0 15	8 10	1 4	24 26	1 47	12 46	12 25	26 59	10 9	6 7
M 7	18 22	26 12	5 12	17 38	0s 6	1 9	1 49	10 8	0 37	21 44	0 17	16 18	1 54	23 47	0 15	8 9	1 4	24 26	1 47	12 45	12 24	27 0	10 9	6 7
T 8	18 37	23 28	5 14	18 10	0 13	1 33	1 52	10 23	0 37	21 44	0 17	16 20	1 54	23 47	0 15	8 9	1 4	24 26	1 47	12 44	12 22	27 1	10 9	6 6
W 9	18 52	19 38	5 2	18 42	0 19	1 57	1 55	10 38	0 36	21 45	0 17	16 22	1 54	23 47	0 15	8 9	1 4	24 26	1 47	12 44	12 21	27 2	10 9	6 6
T 10	19 7	14 52	4 36	19 12	0 26	2 22	1 57	10 53	0 36	21 45	0 18	16 23	1 54	23 47	0 15	8 8	1 5	24 26	1 47	12 44	12 20	27 3	10 9	6 6
F 11	19 22	9 19	3 55	19 41	0 32	2 47	1 59	11 7	0 36	21 46	0 18	16 25	1 54	23 47	0 15	8 8	1 5	24 26	1 47	12 44	12 19	27 4	10 9	6 5
S 12	19 36	3 12	3 0	20 10	0 38	3 12	2 1	11 22	0 35	21 46	0 18	16 27	1 54	23 47	0 15	8 8	1 5	24 26	1 47	12 45	12 18	27 5	10 9	6 5
S 13	19 50	3s17	1 53	20 37	0 45	3 36	2 3	11 37	0 35	21 47	0 18	16 29	1 54	23 47	0 15	8 8	1 5	24 26	1 47	12 45	12 17	27 6	10 9	6 4
M14	20 3	9 50	0 37	21 4	0 51	4 1	2 5	11 51	0 34	21 47	0 18	16 31	1 54	23 47	0 15	8 7	1 5	24 26	1 47	12 46	12 16	27 7	10 9	6 4
T 15	20 16	16 3	0s44	21 30	0 57	4 26	2 7	12 5	0 34	21 48	0 19	16 33	1 54	23 47	0 15	8 7	1 5	24 25	1 47	12 46	12 15	27 8	10 9	6 4
W16	20 29	21 27	2 3	21 54	1 3	4 51	2 8	12 20	0 33	21 48	0 19	16 34	1 54	23 47	0 15	8 7	1 5	24 25	1 47	12 45	12 14	27 9	10 9	6 3
T 17	20 41	25 29	3 14	22 17	1 8	5 17	2 10	12 34	0 33	21 49	0 19	16 36	1 54	23 47	0 15	8 7	1 5	24 25	1 47	12 44	12 13	27 10	10 9	6 3
F 18	20 53	27 41	4 12	22 40	1 14	5 42	2 11	12 48	0 32	21 50	0 19	16 38	1 54	23 47	0 15	8 6	1 5	24 25	1 47	12 43	12 11	27 11	10 9	6 2
S 19	21 5	27 49	4 51	23 1	1 19	6 7	2 13	13 2	0 32	21 50	0 19	16 40	1 54	23 47	0 15	8 6	1 5	24 25	1 47	12 41	12 10	27 12	10 9	6 2
S 20	21 16	25 57	5 10	23 21	1 25	6 32	2 14	13 16	0 31	21 51	0 19	16 42	1 54	23 47	0 15	8 6	1 5	24 25	1 47	12 40	12 9	27 13	10 8	6 2
M21	21 27	22 27	5 9	23 40	1 30	6 57	2 15	13 30	0 31	21 52	0 20	16 43	1 54	23 47	0 15	8 6	1 5	24 25	1 47	12 39	12 8	27 14	10 8	6 1
T 22	21 37	17 45	4 50	23 57	1 34	7 22	2 16	13 44	0 30	21 53	0 20	16 45	1 54	23 48	0 15	8 6	1 5	24 24	1 47	12 38	12 7	27 15	10 8	6 1
W23	21 47	12 18	4 15	24 14	1 39	7 47	2 16	13 57	0 30	21 53	0 20	16 47	1 54	23 48	0 15	8 6	1 5	24 24	1 47	12 38	12 6	27 16	10 8	6 0
T 24	21 56	6 28	3 27	24 29	1 43	8 12	2 17	14 11	0 29	21 54	0 20	16 49	1 54	23 48	0 15	8 5	1 5	24 24	1 47	12 38	12 5	27 17	10 7	6 0
F 25	22 6	0 31	2 31	24 43	1 47	8 36	2 18	14 24	0 28	21 55	0 20	16 50	1 54	23 48	0 15	8 5	1 5	24 24	1 47	12 38	12 4	27 18	10 7	6 0
S 26	22 14	5n19	1 28	24 55	1 51	9 1	2 18	14 38	0 28	21 56	0 21	16 52	1 54	23 48	0 15	8 5	1 5	24 24	1 48	12 39	12 3	27 19	10 7	5 59
S 27	22 22	10 52	0 22	25 6	1 55	9 26	2 18	14 51	0 27	21 57	0 21	16 54	1 54	23 48	0 15	8 5	1 5	24 24	1 48	12 39	12 1	27 20	10 7	5 59
M28	22 30	15 56	0n43	25 16	1 58	9 50	2 19	15 4	0 27	21 58	0 21	16 55	1 54	23 48	0 16	8 5	1 5	24 24	1 48	12 39	12 0	27 21	10 6	5 59
T 29	22 37	20 21	1 46	25 24	2 1	10 14	2 19	15 17	0 26	21 59	0 21	16 57	1 54	23 48	0 16	8 5	1 5	24 23	1 48	12 38	11 59	27 22	10 6	5 58
W30	22s44	23n55	2n44	25s31	2s 4	10s39	2n19	15s30	0n26	22n 0	0n21	16s59	1n54	23n48	0n16	8n 5	1n 5	24s23	1s48	12n37	11n58	27n23	10s 5	5n58

Julian Day Number = 2188151.5, Delta T = 10m58s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°40'58, Lahiri = 13°47'59 Julian Calendar 1 Nov. 1278 == Greg. Calendar 8 Nov. 1278

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ASTRODIENST EPHEMERIS for the year 1278
geocentric

DECEMBER 1278 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 7 46	16♐28'34	16♊55	26♐47	4♏56	14♏ 3	22°R25	24♏ 0	29°R38	12♍ 2	15♑45	3°R 3	1♉14	23♊ 5	17♒ 7	T 1
F 2	5 11 43	17°29'41	28°46	28°22	6° 8	14°44	22♋19	24° 6	29♊35	12° 2	15°47	2♉55	1°11	23°12	17° 9	F 2
S 3	5 15 39	18°30'49	10♋38	29°56	7°19	15°25	22°14	24°13	29°33	12° 3	15°48	2°46	1° 8	23°19	17°12	S 3
S 4	5 19 36	19°31'57	22°33	1♑31	8°31	16° 6	22° 8	24°20	29°30	12° 3	15°50	2°36	1° 5	23°25	17°15	S 4
M 5	5 23 33	20°33'06	4♌32	3° 6	9°42	16°48	22° 2	24°26	29°28	12° 3	15°52	2°28	1° 2	23°32	17°17	M 5
T 6	5 27 29	21°34'15	16°39	4°40	10°54	17°29	21°56	24°33	29°25	12° 3	15°54	2°20	0°58	23°39	17°20	T 6
W 7	5 31 26	22°35'25	28°57	6°14	12° 6	18°10	21°50	24°39	29°23	12°R 3	15°56	2°15	0°55	23°45	17°23	W 7
T 8	5 35 22	23°36'35	11♍27	7°48	13°18	18°51	21°44	24°46	29°20	12° 3	15°58	2°12	0°52	23°52	17°26	T 8
F 9	5 39 19	24°37'46	24°16	9°21	14°30	19°33	21°38	24°52	29°17	12° 3	15°59	2°D11	0°49	23°59	17°29	F 9
S 10	5 43 15	25°38'57	7♎26	10°54	15°42	20°14	21°31	24°59	29°15	12° 3	16° 1	2°12	0°46	24° 5	17°32	S 10
S 11	5 47 12	26°40'09	21° 1	12°26	16°54	20°55	21°24	25° 5	29°12	12° 3	16° 3	2°13	0°42	24°12	17°35	S 11
M12	5 51 9	27°41'22	5♏ 4	13°57	18° 7	21°37	21°18	25°12	29°10	12° 2	16° 5	2°R13	0°39	24°19	17°38	M12
T 13	5 55 5	28°42'34	19°34	15°26	19°19	22°18	21°11	25°18	29° 7	12° 2	16° 7	2°12	0°36	24°26	17°41	T 13
W14	5 59 2	29°43'47	4♐28	16°55	20°31	23° 0	21° 4	25°24	29° 5	12° 2	16° 9	2° 8	0°33	24°32	17°44	W14
T 15	6 2 58	0♑45'01	19°39	18°21	21°44	23°41	20°57	25°31	29° 2	12° 2	16°11	2° 2	0°30	24°39	17°47	T 15
F 16	6 6 55	1°46'14	4♑59	19°46	22°56	24°23	20°49	25°37	28°59	12° 1	16°13	1°53	0°27	24°46	17°50	F 16
S 17	6 10 51	2°47'28	20°15	21° 8	24° 9	25° 4	20°42	25°43	28°57	12° 1	16°15	1°44	0°23	24°52	17°53	S 17
S 18	6 14 48	3°48'41	5♒17	22°27	25°22	25°46	20°35	25°49	28°54	12° 1	16°17	1°34	0°20	24°59	17°57	S 18
M19	6 18 44	4°49'54	19°56	23°42	26°34	26°27	20°27	25°55	28°52	12° 0	16°19	1°25	0°17	25° 6	18° 0	M19
T 20	6 22 41	5°51'06	4♓ 6	24°53	27°47	27° 9	20°20	26° 1	28°49	12° 0	16°20	1°19	0°14	25°12	18° 3	T 20
W21	6 26 38	6°52'18	17°45	26° 0	29° 0	27°51	20°12	26° 7	28°46	12° 0	16°22	1°15	0°11	25°19	18° 7	W21
T 22	6 30 34	7°53'29	0♈56	27° 1	0♗13	28°32	20° 4	26°13	28°44	11°59	16°24	1°13	0° 8	25°26	18°10	T 22
F 23	6 34 31	8°54'39	13°41	27°55	1°26	29°14	19°57	26°19	28°41	11°58	16°26	1°D13	0° 4	25°33	18°13	F 23
S 24	6 38 27	9°55'50	26° 5	28°42	2°39	29°56	19°49	26°25	28°39	11°58	16°28	1°R13	0° 1	25°39	18°17	S 24
S 25	6 42 24	10°56'59	8♉14	29°21	3°52	0♗37	19°41	26°30	28°36	11°57	16°30	1°13	29♈58	25°46	18°20	S 25
M26	6 46 20	11°58'08	20°12	29°51	5° 5	1°19	19°33	26°36	28°34	11°57	16°32	1°11	29°55	25°53	18°24	M26
T 27	6 50 17	12°59'16	2♊ 4	0♒11	6°18	2° 1	19°25	26°42	28°31	11°56	16°34	1° 7	29°52	25°59	18°28	T 27
W28	6 54 13	14° 0'24	13°53	0°R20	7°31	2°43	19°17	26°47	28°29	11°55	16°36	1° 0	29°49	26° 6	18°31	W28
T 29	6 58 10	15° 1'31	25°43	0°18	8°44	3°25	19° 9	26°53	28°26	11°55	16°38	0°50	29°45	26°13	18°35	T 29
F 30	7 2 7	16° 2'37	7♋35	0° 5	9°58	4° 7	19° 1	26°58	28°24	11°54	16°40	0°37	29°42	26°19	18°38	F 30
S 31	7 6 3	17♑ 3'43	19♋32	29♑40	11♐11	4♐49	18♋53	27♏ 4	28♊22	11♍53	16♑42	0♉23	29♈39	26♊26	18♒42	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s51	26n26	3n34	25s36	2s 6	11s 3	2n19	15s43	0n25	22n 1	0n21	17s 0	1n54	23n48	0n16	8n 5	1n 5	24s23	1s48	12n35	11n57	27n24	10s 5	5n58
F 2	22 57	27 47	4 15	25 40	2 8	11 26	2 18	15 56	0 25	22 2	0 22	17 2	1 54	23 48	0 16	8 5	1 6	24 23	1 48	12 32	11 56	27 25	10 5	5 57
S 3	23 2	27 50	4 45	25 42	2 10	11 50	2 18	16 8	0 24	22 3	0 22	17 3	1 54	23 48	0 16	8 5	1 6	24 23	1 48	12 29	11 55	27 26	10 4	5 57
S 4	23 7	26 36	5 2	25 43	2 11	12 14	2 18	16 21	0 24	22 4	0 22	17 5	1 54	23 48	0 16	8 5	1 6	24 23	1 48	12 26	11 54	27 27	10 4	5 56
M 5	23 12	24 10	5 7	25 42	2 12	12 37	2 17	16 33	0 23	22 5	0 22	17 7	1 54	23 48	0 16	8 5	1 6	24 23	1 48	12 23	11 53	27 27	10 3	5 56
T 6	23 16	20 38	4 58	25 39	2 12	13 0	2 16	16 45	0 22	22 6	0 22	17 8	1 54	23 48	0 16	8 5	1 6	24 22	1 48	12 20	11 52	27 28	10 3	5 56
W 7	23 20	16 10	4 35	25 35	2 12	13 22	2 16	16 58	0 22	22 8	0 22	17 10	1 54	23 48	0 16	8 5	1 6	24 22	1 48	12 18	11 50	27 29	10 2	5 55
T 8	23 23	10 58	3 58	25 29	2 11	13 45	2 15	17 10	0 21	22 9	0 23	17 11	1 54	23 48	0 16	8 5	1 6	24 22	1 48	12 17	11 49	27 30	10 2	5 55
F 9	23 26	5 11	3 9	25 22	2 10	14 7	2 14	17 21	0 21	22 10	0 23	17 13	1 54	23 48	0 16	8 5	1 6	24 22	1 48	12 17	11 48	27 31	10 1	5 55
S 10	23 28	0s59	2 9	25 13	2 8	14 29	2 13	17 33	0 20	22 11	0 23	17 14	1 54	23 48	0 16	8 5	1 6	24 22	1 48	12 17	11 47	27 32	10 1	5 54
S 11	23 30	7 19	1 0	25 3	2 6	14 51	2 12	17 45	0 19	22 12	0 23	17 16	1 54	23 48	0 16	8 5	1 6	24 22	1 48	12 17	11 46	27 33	10 0	5 54
M12	23 31	13 30	0s15	24 50	2 3	15 12	2 11	17 56	0 19	22 14	0 23	17 17	1 54	23 48	0 16	8 5	1 6	24 21	1 49	12 18	11 45	27 33	9 59	5 54
T 13	23 32	19 10	1 32	24 37	1 59	15 33	2 9	18 7	0 18	22 15	0 23	17 19	1 55	23 48	0 16	8 5	1 6	24 21	1 49	12 17	11 44	27 34	9 59	5 54
W14	23 32	23 48	2 44	24 21	1 55	15 54	2 8	18 19	0 18	22 16	0 24	17 20	1 55	23 48	0 16	8 6	1 6	24 21	1 49	12 16	11 43	27 35	9 58	5 53
T 15	23 32	26 52	3 45	24 5	1 49	16 14	2 7	18 30	0 17	22 17	0 24	17 22	1 55	23 48	0 16	8 6	1 6	24 21	1 49	12 14	11 41	27 36	9 58	5 53
F 16	23 31	27 58	4 31	23 47	1 43	16 34	2 5	18 41	0 16	22 19	0 24	17 23	1 55	23 48	0 16	8 6	1 6	24 21	1 49	12 11	11 40	27 37	9 57	5 53
S 17	23 30	26 54	4 58	23 27	1 36	16 53	2 3	18 51	0 16	22 20	0 24	17 24	1 55	23 48	0 16	8 6	1 6	24 21	1 49	12 7	11 39	27 37	9 56	5 52
S 18	23 29	23 55	5 3	23 7	1 29	17 13	2 2	19 2	0 15	22 21	0 24	17 26	1 55	23 48	0 16	8 6	1 6	24 20	1 49	12 4	11 38	27 38	9 55	5 52
M19	23 27	19 27	4 48	22 45	1 20	17 31	2 0	19 12	0 14	22 22	0 24	17 27	1 55	23 48	0 16	8 6	1 6	24 20	1 49	12 1	11 37	27 39	9 55	5 52
T 20	23 24	14 1	4 16	22 23	1 10	17 50	1 58	19 23	0 14	22 24	0 25	17 28	1 55	23 48	0 16	8 7	1 6	24 20	1 49	11 59	11 36	27 40	9 54	5 52
W21	23 21	8 4	3 30	22 0	0 59	18 7	1 56	19 33	0 13	22 25	0 25	17 30	1 55	23 48	0 16	8 7	1 6	24 20	1 49	11 57	11 35	27 40	9 53	5 51
T 22	23 18	1 59	2 34	21 36	0 47	18 25	1 54	19 43	0 13	22 26	0 25	17 31	1 55	23 47	0 16	8 7	1 6	24 20	1 49	11 57	11 34	27 41	9 52	5 51
F 23	23 14	4n 1	1 32	21 13	0 34	18 42	1 52	19 52	0 12	22 28	0 25	17 32	1 55	23 47	0 16	8 7	1 6	24 20	1 49	11 57	11 33	27 42	9 52	5 51
S 24	23 10	9 41	0 27	20 50	0 20	18 58	1 50	20 2	0 11	22 29	0 25	17 34	1 55	23 47	0 16	8 8	1 7	24 20	1 49	11 57	11 31	27 43	9 51	5 50
S 25	23 5	14 54	0n37	20 27	0 5	19 14	1 48	20 11	0 11	22 30	0 25	17 35	1 55	23 47	0 16	8 8	1 7	24 19	1 50	11 57	11 30	27 43	9 50	5 50
M26	23 0	19 27	1 39	20 5	0n11	19 30	1 46	20 21	0 10	22 32	0 26	17 36	1 55	23 47	0 16	8 8	1 7	24 19	1 50	11 56	11 29	27 44	9 49	5 50
T 27	22 54	23 12	2 36	19 44	0 28	19 45	1 44	20 30	0 9	22 33	0 26	17 37	1 56	23 47	0 16	8 8	1 7	24 19	1 50	11 55	11 28	27 45	9 48	5 50
W28	22 48	25 58	3 26	19 24	0 46	19 59	1 41	20 39	0 8	22 34	0 26	17 38	1 56	23 47	0 16	8 9	1 7	24 19	1 50	11 52	11 27	27 46	9 48	5 50
T 29	22 41	27 34	4 6	19 7	1 5	20 13	1 39	20 48	0 8	22 35	0 26	17 40	1 56	23 47	0 16	8 9	1 7	24 19	1 50	11 48	11 26	27 46	9 47	5 49
F 30	22 34	27 55	4 36	18 51	1 23	20 26	1 37	20 56	0 7	22 37	0 26	17 41	1 56	23 47	0 16	8 9	1 7	24 19	1 50	11 44	11 25	27 47	9 46	5 49
S 31	22s26	26n58	4n55	18s38	1n42	20s39	1n34	21s 5	0n 6	22n38	0n26	17s42	1n56	23n47	0n16	8n10	1n 7	24s18	1s50	11n39	11n24	27n48	9s45	5n49

Julian Day Number = 2188181.5, Delta T = 10m57s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'02, Lahiri = 13°48'03 Julian Calendar 1 Dec. 1278 == Greg. Calendar 8 Dec. 1278

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

JANUARY 1279 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 10 0	18♉ 4'48	1♌35	29°R 3	12♐24	5♐31	18°R45	27♏ 9	28°R19	11°R52	16♉44	0°R 8	29♈36	26♊33	18♒46	S 1
M 2	7 13 56	19° 5'53	13°43	28♉15	13°38	6°13	18♋37	27°14	28♊17	11♍52	16°46	29♈55	29°33	26°40	18°50	M 2
T 3	7 17 53	20° 6'57	26° 0	27°18	14°51	6°55	18°29	27°19	28°14	11°51	16°48	29°43	29°29	26°46	18°53	T 3
W 4	7 21 49	21° 8'00	8♍25	26°13	16° 5	7°37	18°21	27°24	28°12	11°50	16°50	29°34	29°26	26°53	18°57	W 4
T 5	7 25 46	22° 9'03	21° 2	25° 2	17°18	8°19	18°13	27°29	28°10	11°49	16°52	29°28	29°23	27° 0	19° 1	T 5
F 6	7 29 43	23°10'05	3♎52	23°47	18°32	9° 1	18° 5	27°34	28° 7	11°48	16°54	29°24	29°20	27° 6	19° 5	F 6
S 7	7 33 39	24°11'07	16°59	22°31	19°45	9°43	17°57	27°39	28° 5	11°47	16°56	29°23	29°17	27°13	19° 9	S 7
S 8	7 37 36	25°12'08	0♏26	21°15	20°59	10°25	17°49	27°44	28° 3	11°46	16°58	29°23	29°14	27°20	19°13	S 8
M 9	7 41 32	26°13'08	14°15	20° 2	22°12	11° 7	17°41	27°49	28° 1	11°45	17° 0	29°23	29°10	27°26	19°17	M 9
T 10	7 45 29	27°14'08	28°28	18°54	23°26	11°50	17°33	27°54	27°59	11°44	17° 2	29°21	29° 7	27°33	19°21	T 10
W11	7 49 25	28°15'07	13♐ 4	17°52	24°40	12°32	17°25	27°58	27°56	11°43	17° 4	29°16	29° 4	27°40	19°24	W11
T 12	7 53 22	29°16'06	27°58	16°58	25°53	13°14	17°17	28° 3	27°54	11°42	17° 6	29° 9	29° 1	27°47	19°28	T 12
F 13	7 57 18	0♒17'03	13♑ 5	16°11	27° 7	13°57	17°10	28° 7	27°52	11°41	17° 8	28°58	28°58	27°53	19°32	F 13
S 14	8 1 15	1°18'00	28°13	15°33	28°21	14°39	17° 2	28°12	27°50	11°39	17°10	28°47	28°55	28° 0	19°36	S 14
S 15	8 5 12	2°18'56	13♒13	15° 4	29°34	15°21	16°55	28°16	27°48	11°38	17°12	28°35	28°51	28° 7	19°40	S 15
M16	8 9 8	3°19'50	27°55	14°43	0♑48	16° 4	16°47	28°20	27°46	11°37	17°13	28°24	28°48	28°13	19°45	M16
T 17	8 13 5	4°20'43	12♓12	14°31	2° 2	16°46	16°40	28°25	27°44	11°36	17°15	28°15	28°45	28°20	19°49	T 17
W18	8 17 1	5°21'34	25°59	14°D26	3°16	17°29	16°32	28°29	27°42	11°34	17°17	28° 9	28°42	28°27	19°53	W18
T 19	8 20 58	6°22'24	9♈17	14°29	4°30	18°11	16°25	28°33	27°40	11°33	17°19	28° 6	28°39	28°33	19°57	T 19
F 20	8 24 54	7°23'13	22° 8	14°39	5°43	18°54	16°18	28°37	27°39	11°32	17°21	28° 5	28°35	28°40	20° 1	F 20
S 21	8 28 51	8°23'59	4♉37	14°56	6°57	19°36	16°11	28°41	27°37	11°31	17°23	28° 5	28°32	28°47	20° 5	S 21
S 22	8 32 47	9°24'45	16°47	15°19	8°11	20°19	16° 4	28°44	27°35	11°29	17°25	28° 5	28°29	28°54	20° 9	S 22
M23	8 36 44	10°25'28	28°45	15°47	9°25	21° 1	15°57	28°48	27°33	11°28	17°27	28° 3	28°26	29° 0	20°13	M23
T 24	8 40 41	11°26'11	10♊37	16°21	10°39	21°44	15°51	28°52	27°32	11°27	17°29	27°59	28°23	29° 7	20°17	T 24
W25	8 44 37	12°26'51	22°26	16°59	11°53	22°27	15°44	28°55	27°30	11°25	17°30	27°53	28°20	29°14	20°21	W25
T 26	8 48 34	13°27'30	4♋16	17°41	13° 7	23° 9	15°38	28°59	27°29	11°24	17°32	27°44	28°16	29°20	20°26	T 26
F 27	8 52 30	14°28'07	16°12	18°28	14°21	23°52	15°32	29° 2	27°27	11°22	17°34	27°33	28°13	29°27	20°30	F 27
S 28	8 56 27	15°28'43	28°16	19°18	15°34	24°35	15°25	29° 5	27°25	11°21	17°36	27°19	28°10	29°34	20°34	S 28
S 29	9 0 23	16°29'16	10♌28	20°11	16°48	25°17	15°19	29° 8	27°24	11°19	17°38	27° 6	28° 7	29°41	20°38	S 29
M30	9 4 20	17°29'49	22°49	21° 8	18° 2	26° 0	15°14	29°11	27°23	11°18	17°39	26°53	28° 4	29°47	20°42	M30
T 31	9 8 16	18♒30'19	5♍21	22♑ 7	19♑16	26♐43	15♋ 8	29♏14	27♊21	11♍16	17♑41	26♈42	28♈ 1	29♊54	20♒46	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s18	24n45	5n 0	18s28	2n 1	20s52	1n32	21s13	0n 6	22n39	0n26	17s43	1n56	23n47	0n16	8n10	1n 7	24s18	1s50	11n34	11n22	27n48	9s44	5n49
M 2	22 10	21 25	4 51	18 20	2 18	21 3	1 29	21 21	0 5	22 40	0 27	17 44	1 56	23 47	0 16	8 10	1 7	24 18	1 50	11 29	11 21	27 49	9 43	5 48
T 3	22 1	17 7	4 29	18 15	2 35	21 14	1 26	21 29	0 4	22 42	0 27	17 45	1 56	23 47	0 16	8 11	1 7	24 18	1 50	11 25	11 20	27 50	9 42	5 48
W 4	21 52	12 4	3 54	18 12	2 50	21 25	1 24	21 36	0 4	22 43	0 27	17 46	1 56	23 47	0 16	8 11	1 7	24 18	1 50	11 22	11 19	27 50	9 41	5 48
T 5	21 42	6 26	3 8	18 12	3 4	21 35	1 21	21 44	0 3	22 44	0 27	17 47	1 56	23 47	0 16	8 11	1 7	24 18	1 50	11 20	11 18	27 51	9 40	5 48
F 6	21 32	0 27	2 10	18 14	3 15	21 44	1 18	21 51	0 2	22 45	0 27	17 48	1 57	23 47	0 16	8 12	1 7	24 17	1 51	11 18	11 17	27 51	9 39	5 48
S 7	21 22	5s42	1 5	18 18	3 24	21 53	1 16	21 58	0 1	22 47	0 27	17 49	1 57	23 47	0 16	8 12	1 7	24 17	1 51	11 18	11 16	27 52	9 38	5 47
S 8	21 11	11 45	0s 6	18 23	3 30	22 1	1 13	22 5	0 1	22 48	0 27	17 50	1 57	23 47	0 16	8 13	1 7	24 17	1 51	11 18	11 15	27 53	9 37	5 47
M 9	20 59	17 25	1 18	18 30	3 34	22 8	1 10	22 12	0s 0	22 49	0 27	17 51	1 57	23 47	0 16	8 13	1 7	24 17	1 51	11 18	11 13	27 53	9 36	5 47
T 10	20 48	22 17	2 27	18 38	3 36	22 15	1 7	22 19	0 1	22 50	0 28	17 52	1 57	23 47	0 16	8 14	1 7	24 17	1 51	11 17	11 12	27 54	9 35	5 47
W11	20 36	25 54	3 29	18 47	3 35	22 21	1 4	22 25	0 2	22 51	0 28	17 53	1 57	23 47	0 16	8 14	1 7	24 17	1 51	11 15	11 11	27 55	9 34	5 47
T 12	20 23	27 48	4 17	18 57	3 32	22 27	1 1	22 31	0 2	22 52	0 28	17 54	1 57	23 47	0 16	8 14	1 7	24 16	1 51	11 13	11 10	27 55	9 33	5 47
F 13	20 10	27 40	4 49	19 7	3 27	22 32	0 58	22 37	0 3	22 53	0 28	17 55	1 57	23 47	0 16	8 15	1 7	24 16	1 51	11 9	11 9	27 56	9 32	5 46
S 14	19 57	25 29	5 0	19 18	3 21	22 36	0 55	22 43	0 4	22 54	0 28	17 56	1 57	23 47	0 16	8 15	1 7	24 16	1 51	11 5	11 8	27 56	9 31	5 46
S 15	19 43	21 33	4 50	19 29	3 13	22 40	0 52	22 48	0 5	22 56	0 28	17 57	1 58	23 47	0 16	8 16	1 7	24 16	1 51	11 1	11 7	27 57	9 30	5 46
M16	19 29	16 20	4 22	19 40	3 5	22 42	0 50	22 54	0 5	22 57	0 28	17 57	1 58	23 47	0 16	8 16	1 7	24 16	1 52	10 57	11 6	27 57	9 28	5 46
T 17	19 15	10 21	3 37	19 51	2 55	22 45	0 47	22 59	0 6	22 58	0 28	17 58	1 58	23 47	0 16	8 17	1 7	24 16	1 52	10 54	11 4	27 58	9 27	5 46
W18	19 0	4 4	2 41	20 1	2 45	22 46	0 44	23 4	0 7	22 59	0 28	17 59	1 58	23 47	0 16	8 17	1 8	24 16	1 52	10 52	11 3	27 58	9 26	5 46
T 19	18 45	2n12	1 38	20 12	2 34	22 47	0 41	23 8	0 8	23 0	0 29	18 0	1 58	23 47	0 16	8 18	1 8	24 15	1 52	10 50	11 2	27 59	9 25	5 46
F 20	18 30	8 10	0 31	20 22	2 23	22 47	0 38	23 13	0 9	23 1	0 29	18 0	1 58	23 47	0 16	8 18	1 8	24 15	1 52	10 50	11 1	27 59	9 24	5 46
S 21	18 14	13 39	0n35	20 31	2 12	22 47	0 35	23 17	0 9	23 1	0 29	18 1	1 58	23 47	0 16	8 19	1 8	24 15	1 52	10 50	11 0	28 0	9 23	5 45
S 22	17 58	18 28	1 37	20 40	2 0	22 45	0 32	23 21	0 10	23 2	0 29	18 2	1 59	23 47	0 16	8 20	1 8	24 15	1 52	10 50	10 59	28 0	9 22	5 45
M23	17 42	22 29	2 35	20 48	1 49	22 43	0 29	23 25	0 11	23 3	0 29	18 3	1 59	23 47	0 16	8 20	1 8	24 15	1 52	10 49	10 58	28 1	9 20	5 45
T 24	17 25	25 30	3 25	20 56	1 37	22 41	0 26	23 28	0 12	23 4	0 29	18 3	1 59	23 47	0 16	8 21	1 8	24 15	1 52	10 48	10 56	28 1	9 19	5 45
W25	17 8	27 24	4 6	21 2	1 26	22 38	0 23	23 32	0 13	23 5	0 29	18 4	1 59	23 47	0 16	8 21	1 8	24 15	1 52	10 46	10 55	28 2	9 18	5 45
T 26	16 51	28 4	4 36	21 8	1 14	22 34	0 20	23 35	0 14	23 6	0 29	18 4	1 59	23 47	0 16	8 22	1 8	24 14	1 53	10 43	10 54	28 2	9 17	5 45
F 27	16 33	27 26	4 55	21 13	1 3	22 29	0 17	23 38	0 14	23 7	0 29	18 5	1 59	23 46	0 16	8 22	1 8	24 14	1 53	10 38	10 53	28 3	9 16	5 45
S 28	16 16	25 30	5 1	21 17	0 52	22 24	0 14	23 41	0 15	23 7	0 29	18 6	1 59	23 46	0 16	8 23	1 8	24 14	1 53	10 34	10 52	28 3	9 14	5 45
S 29	15 57	22 23	4 53	21 20	0 41	22 18	0 11	23 43	0 16	23 8	0 29	18 6	1 59	23 46	0 16	8 23	1 8	24 14	1 53	10 29	10 51	28 4	9 13	5 45
M30	15 39	18 14	4 31	21 22	0 31	22 11	0 8	23 45	0 17	23 9	0 29	18 7	2 0	23 46	0 16	8 24	1 8	24 14	1 53	10 24	10 50	28 4	9 12	5 45
T 31	15s20	13n15	3n56	21s22	0n20	22s 4	0n 5	23s47	0s18	23n10	0n30	18s 7	2n 0	23n46	0n16	8n25	1n 8	24s14	1s53	10n20	10n48	28n 5	9s11	5n45

Julian Day Number = 2188212.5, Delta T = 10m57s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'07, Lahiri = 13°48'07 Julian Calendar 1 Jan. 1279 == Greg. Calendar 8 Jan. 1279

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

FEBRUARY 1279 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 12 13	19♒30'49	18♍ 3	23♑ 9	20♑30	27♐26	15°R 2	29♏17	27°R20	11°R15	17♑43	26°R33	27♈57	0♋ 1	20♒51	W 1
T 2	9 16 10	20°31'16	0♎55	24°14	21°44	28° 8	14♋57	29°20	27♊19	11♍13	17°45	26♈28	27°54	0° 7	20°55	T 2
F 3	9 20 6	21°31'42	13°59	25°21	22°58	28°51	14°52	29°23	27°17	11°12	17°46	26°25	27°51	0°14	20°59	F 3
S 4	9 24 3	22°32'07	27°15	26°30	24°12	29°34	14°47	29°25	27°16	11°10	17°48	26°D24	27°48	0°21	21° 3	S 4
S 5	9 27 59	23°32'30	10♏45	27°41	25°26	0♑17	14°42	29°28	27°15	11° 9	17°50	26°25	27°45	0°27	21° 7	S 5
M 6	9 31 56	24°32'53	24°31	28°53	26°40	1° 0	14°37	29°30	27°14	11° 7	17°51	26°R25	27°41	0°34	21°11	M 6
T 7	9 35 52	25°33'13	8♐33	0♒ 8	27°54	1°43	14°33	29°33	27°13	11° 6	17°53	26°24	27°38	0°41	21°16	T 7
W 8	9 39 49	26°33'32	22°51	1°24	29° 8	2°26	14°28	29°35	27°12	11° 4	17°55	26°22	27°35	0°48	21°20	W 8
T 9	9 43 45	27°33'50	7♑23	2°42	0♒22	3° 9	14°24	29°37	27°11	11° 2	17°56	26°16	27°32	0°54	21°24	T 9
F 10	9 47 42	28°34'07	22° 5	4° 1	1°36	3°52	14°20	29°39	27°10	11° 1	17°58	26° 9	27°29	1° 1	21°28	F 10
S 11	9 51 39	29°34'21	6♒49	5°22	2°50	4°35	14°16	29°41	27° 9	10°59	17°59	26° 0	27°26	1° 8	21°32	S 11
S 12	9 55 35	0♓34'34	21°29	6°44	4° 4	5°18	14°12	29°43	27° 9	10°58	18° 1	25°51	27°22	1°14	21°36	S 12
M13	9 59 32	1°34'45	5♓56	8° 8	5°19	6° 1	14° 9	29°45	27° 8	10°56	18° 3	25°42	27°19	1°21	21°40	M13
T 14	10 3 28	2°34'54	20° 3	9°33	6°33	6°45	14° 5	29°46	27° 7	10°54	18° 4	25°36	27°16	1°28	21°45	T 14
W15	10 7 25	3°35'01	3♈47	10°59	7°47	7°28	14° 2	29°48	27° 7	10°53	18° 6	25°31	27°13	1°35	21°49	W15
T 16	10 11 21	4°35'06	17° 6	12°27	9° 1	8°11	13°59	29°49	27° 6	10°51	18° 7	25°29	27°10	1°41	21°53	T 16
F 17	10 15 18	5°35'09	0♉ 1	13°55	10°15	8°54	13°57	29°51	27° 6	10°49	18° 8	25°D29	27° 6	1°48	21°57	F 17
S 18	10 19 14	6°35'09	12°33	15°25	11°29	9°37	13°54	29°52	27° 5	10°48	18°10	25°30	27° 3	1°55	22° 1	S 18
S 19	10 23 11	7°35'08	24°48	16°56	12°43	10°20	13°52	29°53	27° 5	10°46	18°11	25°31	27° 0	2° 1	22° 5	S 19
M20	10 27 8	8°35'04	6♊49	18°29	13°57	11° 4	13°49	29°54	27° 4	10°44	18°13	25°R32	26°57	2° 8	22° 9	M20
T 21	10 31 4	9°34'58	18°43	20° 2	15°11	11°47	13°48	29°55	27° 4	10°43	18°14	25°31	26°54	2°15	22°13	T 21
W22	10 35 1	10°34'50	0♋34	21°37	16°25	12°30	13°46	29°56	27° 4	10°41	18°15	25°29	26°51	2°22	22°17	W22
T 23	10 38 57	11°34'40	12°27	23°13	17°39	13°13	13°44	29°57	27° 4	10°39	18°17	25°24	26°47	2°28	22°21	T 23
F 24	10 42 54	12°34'28	24°26	24°50	18°53	13°57	13°43	29°58	27° 3	10°38	18°18	25°19	26°44	2°35	22°25	F 24
S 25	10 46 50	13°34'13	6♌34	26°28	20° 7	14°40	13°41	29°58	27° 3	10°36	18°19	25°11	26°41	2°42	22°29	S 25
S 26	10 50 47	14°33'56	18°55	28° 7	21°21	15°23	13°40	29°59	27°D 3	10°34	18°21	25° 4	26°38	2°48	22°33	S 26
M27	10 54 43	15°33'37	1♍29	29°48	22°35	16° 7	13°40	29°59	27° 3	10°33	18°22	24°56	26°35	2°55	22°37	M27
T 28	10 58 40	16♓33'15	14♍17	1♓30	23♒49	16♑50	13♋39	29♏59	27♊ 3	10♍31	18♑23	24♈50	26♈32	3♋ 2	22♒41	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s 2	7n38	3n 9	21s22	0n10	21s56	0n 2	23s49	0s19	23n10	0n30	18s 8	2n 0	23n46	0n16	8n25	1n 8	24s14	1s53	10n17	10n47	28n 5	9s 9	5n45
T 2	14 42	1 38	2 11	21 21	0 1	21 47	0s 1	23 51	0 19	23 11	0 30	18 8	2 0	23 46	0 16	8 26	1 8	24 14	1 53	10 15	10 46	28 5	9 8	5 45
F 3	14 23	4s32	1 6	21 18	0s 9	21 38	0 4	23 52	0 20	23 12	0 30	18 8	2 0	23 46	0 16	8 26	1 8	24 13	1 54	10 14	10 45	28 6	9 7	5 45
S 4	14 3	10 36	0s 5	21 14	0 18	21 28	0 7	23 53	0 21	23 12	0 30	18 9	2 0	23 46	0 16	8 27	1 8	24 13	1 54	10 14	10 44	28 6	9 6	5 44
S 5	13 44	16 19	1 16	21 9	0 27	21 18	0 10	23 54	0 22	23 13	0 30	18 9	2 1	23 46	0 16	8 28	1 8	24 13	1 54	10 14	10 43	28 7	9 4	5 44
M 6	13 24	21 18	2 24	21 2	0 35	21 7	0 12	23 55	0 23	23 14	0 30	18 10	2 1	23 46	0 16	8 28	1 8	24 13	1 54	10 14	10 42	28 7	9 3	5 44
T 7	13 3	25 11	3 25	20 55	0 43	20 55	0 15	23 55	0 24	23 14	0 30	18 10	2 1	23 46	0 16	8 29	1 8	24 13	1 54	10 14	10 40	28 7	9 2	5 44
W 8	12 43	27 34	4 14	20 46	0 51	20 42	0 18	23 56	0 25	23 15	0 30	18 10	2 1	23 46	0 16	8 30	1 8	24 13	1 54	10 13	10 39	28 8	9 0	5 44
T 9	12 22	28 7	4 48	20 35	0 59	20 29	0 21	23 56	0 26	23 15	0 30	18 11	2 1	23 46	0 16	8 30	1 8	24 13	1 54	10 11	10 38	28 8	8 59	5 44
F 10	12 1	26 43	5 4	20 24	1 6	20 16	0 23	23 55	0 27	23 16	0 30	18 11	2 1	23 46	0 16	8 31	1 8	24 13	1 54	10 8	10 37	28 8	8 58	5 44
S 11	11 40	23 28	4 59	20 11	1 13	20 1	0 26	23 55	0 28	23 16	0 30	18 11	2 1	23 46	0 16	8 31	1 8	24 13	1 54	10 5	10 36	28 9	8 57	5 44
S 12	11 19	18 44	4 35	19 57	1 20	19 47	0 29	23 54	0 28	23 17	0 30	18 11	2 2	23 46	0 16	8 32	1 8	24 13	1 55	10 2	10 35	28 9	8 55	5 44
M13	10 57	12 59	3 53	19 41	1 26	19 31	0 31	23 53	0 29	23 17	0 30	18 12	2 2	23 46	0 16	8 33	1 8	24 12	1 55	9 58	10 34	28 9	8 54	5 44
T 14	10 36	6 41	2 58	19 24	1 32	19 15	0 34	23 52	0 30	23 17	0 30	18 12	2 2	23 46	0 16	8 33	1 8	24 12	1 55	9 56	10 32	28 10	8 53	5 44
W15	10 14	0 14	1 54	19 6	1 37	18 59	0 36	23 51	0 31	23 18	0 30	18 12	2 2	23 46	0 16	8 34	1 8	24 12	1 55	9 54	10 31	28 10	8 51	5 45
T 16	9 52	6n 3	0 45	18 46	1 42	18 42	0 39	23 49	0 32	23 18	0 30	18 12	2 2	23 46	0 16	8 35	1 8	24 12	1 55	9 53	10 30	28 10	8 50	5 45
F 17	9 30	11 54	0n24	18 25	1 47	18 24	0 41	23 47	0 33	23 18	0 30	18 12	2 2	23 46	0 16	8 35	1 8	24 12	1 55	9 53	10 29	28 11	8 49	5 45
S 18	9 8	17 6	1 31	18 3	1 51	18 6	0 43	23 45	0 34	23 19	0 31	18 12	2 3	23 46	0 16	8 36	1 8	24 12	1 55	9 54	10 28	28 11	8 47	5 45
S 19	8 45	21 29	2 31	17 39	1 55	17 47	0 46	23 43	0 35	23 19	0 31	18 13	2 3	23 46	0 16	8 37	1 8	24 12	1 55	9 54	10 27	28 11	8 46	5 45
M20	8 23	24 53	3 24	17 14	1 59	17 28	0 48	23 40	0 36	23 19	0 31	18 13	2 3	23 46	0 16	8 37	1 8	24 12	1 56	9 55	10 26	28 11	8 45	5 45
T 21	8 0	27 10	4 8	16 48	2 2	17 9	0 50	23 37	0 37	23 20	0 31	18 13	2 3	23 46	0 16	8 38	1 8	24 12	1 56	9 54	10 24	28 12	8 43	5 45
W22	7 38	28 12	4 40	16 20	2 5	16 49	0 52	23 34	0 38	23 20	0 31	18 13	2 3	23 46	0 16	8 39	1 8	24 12	1 56	9 53	10 23	28 12	8 42	5 45
T 23	7 15	27 56	5 1	15 50	2 7	16 28	0 54	23 31	0 39	23 20	0 31	18 13	2 3	23 46	0 16	8 39	1 8	24 12	1 56	9 52	10 22	28 12	8 41	5 45
F 24	6 52	26 23	5 8	15 20	2 9	16 7	0 56	23 28	0 40	23 20	0 31	18 13	2 4	23 46	0 16	8 40	1 8	24 12	1 56	9 50	10 21	28 12	8 39	5 45
S 25	6 29	23 35	5 3	14 48	2 11	15 46	0 58	23 24	0 41	23 20	0 31	18 13	2 4	23 46	0 16	8 41	1 8	24 12	1 56	9 47	10 20	28 13	8 38	5 45
S 26	6 6	19 41	4 43	14 14	2 12	15 24	1 0	23 20	0 42	23 20	0 31	18 13	2 4	23 46	0 16	8 41	1 8	24 12	1 56	9 44	10 19	28 13	8 37	5 45
M27	5 43	14 52	4 9	13 40	2 13	15 1	1 2	23 16	0 43	23 21	0 31	18 12	2 4	23 46	0 16	8 42	1 8	24 12	1 57	9 42	10 18	28 13	8 35	5 45
T 28	5s20	9n19	3n22	13s 3	2s13	14s39	1s 4	23s12	0s44	23n21	0n31	18s12	2n 4	23n46	0n16	8n42	1n 8	24s12	1s57	9n39	10n16	28n13	8s34	5n45

Julian Day Number = 2188243.5, Delta T = 10m57s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'11, Lahiri = 13°48'11 Julian Calendar 1 Feb. 1279 == Greg. Calendar 8 Feb. 1279

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

MARCH 1279 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 2 37	17♓32'52	27♍18	3♓13	25♒ 3	17♉34	13°R39	29♏59	27♊ 4	10°R29	18♉24	24°R46	26♈28	3♋ 9	22♒45	W 1
T 2	11 6 33	18°32'27	10♎33	4°57	26°17	18°17	13♋38	29°R59	27° 4	10♍28	18°25	24♈43	26°25	3°15	22°48	T 2
F 3	11 10 30	19°31'59	24° 0	6°43	27°31	19° 0	13°D38	29°59	27° 4	10°26	18°27	24°D42	26°22	3°22	22°52	F 3
S 4	11 14 26	20°31'30	7♏37	8°30	28°45	19°44	13°38	29°59	27° 4	10°24	18°28	24°43	26°19	3°29	22°56	S 4
S 5	11 18 23	21°30'59	21°25	10°18	29°59	20°27	13°39	29°59	27° 5	10°23	18°29	24°44	26°16	3°35	23° 0	S 5
M 6	11 22 19	22°30'26	5♐21	12° 7	1♓13	21°11	13°39	29°59	27° 5	10°21	18°30	24°45	26°12	3°42	23° 4	M 6
T 7	11 26 16	23°29'52	19°26	13°58	2°27	21°54	13°40	29°58	27° 5	10°20	18°31	24°R46	26° 9	3°49	23° 7	T 7
W 8	11 30 12	24°29'16	3♑37	15°50	3°41	22°38	13°41	29°58	27° 6	10°18	18°32	24°46	26° 6	3°56	23°11	W 8
T 9	11 34 9	25°28'38	17°53	17°44	4°55	23°21	13°42	29°57	27° 6	10°16	18°33	24°44	26° 3	4° 2	23°15	T 9
F 10	11 38 6	26°27'58	2♒11	19°38	6° 9	24° 5	13°43	29°56	27° 7	10°15	18°34	24°42	26° 0	4° 9	23°18	F 10
S 11	11 42 2	27°27'16	16°27	21°34	7°23	24°48	13°45	29°56	27° 8	10°13	18°35	24°38	25°57	4°16	23°22	S 11
S 12	11 45 59	28°26'33	0♓37	23°31	8°37	25°32	13°46	29°55	27° 8	10°12	18°36	24°34	25°53	4°22	23°25	S 12
M13	11 49 55	29°25'47	14°37	25°30	9°51	26°16	13°48	29°54	27° 9	10°10	18°37	24°30	25°50	4°29	23°29	M13
T 14	11 53 52	0♈24'59	28°22	27°29	11° 5	26°59	13°50	29°53	27°10	10° 8	18°38	24°27	25°47	4°36	23°33	T 14
W15	11 57 48	1°24'10	11♈50	29°30	12°19	27°43	13°52	29°51	27°11	10° 7	18°38	24°26	25°44	4°43	23°36	W15
T 16	12 1 45	2°23'18	24°59	1♈32	13°33	28°26	13°55	29°50	27°12	10° 5	18°39	24°D25	25°41	4°49	23°40	T 16
F 17	12 5 41	3°22'24	7♉48	3°35	14°47	29°10	13°57	29°49	27°13	10° 4	18°40	24°26	25°38	4°56	23°43	F 17
S 18	12 9 38	4°21'28	20°19	5°38	16° 1	29°54	14° 0	29°47	27°14	10° 2	18°41	24°27	25°34	5° 3	23°46	S 18
S 19	12 13 34	5°20'29	2♊35	7°42	17°15	0♒37	14° 3	29°45	27°15	10° 1	18°41	24°29	25°31	5° 9	23°50	S 19
M20	12 17 31	6°19'29	14°39	9°47	18°29	1°21	14° 6	29°44	27°16	9°59	18°42	24°30	25°28	5°16	23°53	M20
T 21	12 21 28	7°18'26	26°34	11°52	19°43	2° 4	14°10	29°42	27°17	9°58	18°43	24°31	25°25	5°23	23°56	T 21
W22	12 25 24	8°17'20	8♋27	13°57	20°57	2°48	14°13	29°40	27°18	9°57	18°43	24°R31	25°22	5°30	24° 0	W22
T 23	12 29 21	9°16'13	20°21	16° 2	22°11	3°32	14°17	29°38	27°20	9°55	18°44	24°31	25°18	5°36	24° 3	T 23
F 24	12 33 17	10°15'03	2♌21	18° 7	23°25	4°15	14°21	29°36	27°21	9°54	18°45	24°30	25°15	5°43	24° 6	F 24
S 25	12 37 14	11°13'51	14°32	20°10	24°39	4°59	14°25	29°34	27°22	9°52	18°45	24°28	25°12	5°50	24° 9	S 25
S 26	12 41 10	12°12'36	26°56	22°13	25°53	5°43	14°29	29°32	27°24	9°51	18°46	24°27	25° 9	5°56	24°12	S 26
M27	12 45 7	13°11'20	9♍38	24°14	27° 7	6°26	14°33	29°29	27°25	9°50	18°46	24°25	25° 6	6° 3	24°15	M27
T 28	12 49 3	14°10'01	22°38	26°13	28°21	7°10	14°38	29°27	27°27	9°48	18°47	24°24	25° 3	6°10	24°18	T 28
W29	12 53 0	15° 8'40	5♎57	28°11	29°34	7°53	14°42	29°25	27°28	9°47	18°47	24°23	24°59	6°17	24°21	W29
T 30	12 56 57	16° 7'16	19°34	0♉ 5	0♈48	8°37	14°47	29°22	27°30	9°46	18°48	24°D22	24°56	6°23	24°24	T 30
F 31	13 0 53	17♈ 5'51	3♏26	1♉57	2♈ 2	9♒21	14♋52	29♏19	27♊32	9♍45	18♉48	24♈22	24♈53	6♋30	24♒27	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4s56	3n16	2n23	12s26	2s13	14s15	1s 6	23s 7	0s45	23n21	0n31	18s12	2n 4	23n46	0n16	8n43	1n 8	24s12	1s57	9n38	10n15	28n13	8s33	5n45
T 2	4 33	3s 1	1 16	11 47	2 12	13 52	1 8	23 2	0 46	23 21	0 31	18 12	2 4	23 46	0 16	8 44	1 8	24 12	1 57	9 37	10 14	28 14	8 31	5 46
F 3	4 10	9 17	0 4	11 7	2 11	13 28	1 9	22 57	0 47	23 21	0 31	18 12	2 5	23 46	0 16	8 44	1 8	24 12	1 57	9 36	10 13	28 14	8 30	5 46
S 4	3 46	15 13	1s10	10 25	2 10	13 4	1 11	22 52	0 48	23 21	0 31	18 12	2 5	23 46	0 16	8 45	1 8	24 12	1 57	9 37	10 12	28 14	8 29	5 46
S 5	3 23	20 27	2 21	9 42	2 7	12 39	1 12	22 47	0 49	23 21	0 31	18 12	2 5	23 46	0 16	8 46	1 8	24 11	1 57	9 37	10 11	28 14	8 27	5 46
M 6	2 59	24 37	3 24	8 58	2 5	12 14	1 14	22 41	0 50	23 21	0 31	18 11	2 5	23 46	0 16	8 46	1 8	24 11	1 57	9 38	10 9	28 14	8 26	5 46
T 7	2 36	27 21	4 15	8 12	2 2	11 49	1 15	22 35	0 51	23 21	0 31	18 11	2 5	23 46	0 16	8 47	1 8	24 11	1 58	9 38	10 8	28 14	8 25	5 46
W 8	2 12	28 21	4 52	7 25	1 58	11 23	1 17	22 29	0 52	23 21	0 31	18 11	2 5	23 46	0 16	8 47	1 8	24 11	1 58	9 38	10 7	28 14	8 23	5 46
T 9	1 48	27 28	5 10	6 37	1 54	10 57	1 18	22 23	0 53	23 21	0 31	18 11	2 6	23 46	0 16	8 48	1 8	24 11	1 58	9 37	10 6	28 15	8 22	5 46
F 10	1 25	24 47	5 10	5 48	1 49	10 31	1 19	22 16	0 54	23 20	0 31	18 10	2 6	23 46	0 16	8 49	1 8	24 11	1 58	9 36	10 5	28 15	8 21	5 47
S 11	1 1	20 35	4 50	4 57	1 44	10 4	1 20	22 9	0 55	23 20	0 31	18 10	2 6	23 46	0 16	8 49	1 8	24 11	1 58	9 35	10 4	28 15	8 19	5 47
S 12	0 37	15 14	4 13	4 5	1 38	9 38	1 21	22 2	0 56	23 20	0 31	18 10	2 6	23 46	0 16	8 50	1 8	24 12	1 58	9 33	10 2	28 15	8 18	5 47
M13	0 14	9 10	3 21	3 12	1 32	9 11	1 22	21 55	0 57	23 20	0 31	18 9	2 6	23 46	0 16	8 50	1 8	24 12	1 58	9 32	10 1	28 15	8 17	5 47
T 14	0n10	2 46	2 18	2 18	1 25	8 43	1 23	21 48	0 58	23 20	0 31	18 9	2 6	23 46	0 16	8 51	1 8	24 12	1 59	9 31	10 0	28 15	8 15	5 47
W15	0 34	3n39	1 9	1 24	1 18	8 16	1 24	21 40	0 59	23 20	0 31	18 9	2 6	23 46	0 16	8 52	1 8	24 12	1 59	9 30	9 59	28 15	8 14	5 47
T 16	0 57	9 45	0n 3	0 28	1 10	7 48	1 25	21 32	1 0	23 19	0 31	18 8	2 7	23 46	0 16	8 52	1 8	24 12	1 59	9 30	9 58	28 15	8 13	5 48
F 17	1 21	15 19	1 13	0n29	1 2	7 20	1 26	21 24	1 1	23 19	0 31	18 8	2 7	23 46	0 16	8 53	1 8	24 12	1 59	9 30	9 57	28 15	8 12	5 48
S 18	1 44	20 7	2 18	1 26	0 53	6 52	1 27	21 16	1 2	23 19	0 31	18 7	2 7	23 46	0 16	8 53	1 8	24 12	1 59	9 31	9 56	28 15	8 10	5 48
S 19	2 8	23 57	3 15	2 24	0 44	6 24	1 27	21 8	1 3	23 18	0 31	18 7	2 7	23 46	0 16	8 54	1 8	24 12	1 59	9 31	9 54	28 15	8 9	5 48
M20	2 31	26 40	4 3	3 22	0 34	5 55	1 28	20 59	1 5	23 18	0 31	18 6	2 7	23 46	0 16	8 54	1 8	24 12	1 59	9 32	9 53	28 15	8 8	5 48
T 21	2 55	28 8	4 39	4 21	0 24	5 26	1 28	20 51	1 6	23 18	0 31	18 6	2 7	23 46	0 16	8 55	1 8	24 12	2 0	9 32	9 52	28 15	8 7	5 49
W22	3 18	28 19	5 3	5 19	0 14	4 58	1 29	20 42	1 7	23 17	0 31	18 5	2 7	23 46	0 16	8 55	1 8	24 12	2 0	9 32	9 51	28 15	8 5	5 49
T 23	3 41	27 10	5 15	6 17	0 3	4 29	1 29	20 32	1 8	23 17	0 31	18 5	2 7	23 46	0 16	8 56	1 8	24 12	2 0	9 32	9 50	28 15	8 4	5 49
F 24	4 5	24 47	5 13	7 15	0n 8	4 0	1 29	20 23	1 9	23 17	0 31	18 4	2 8	23 46	0 16	8 57	1 8	24 12	2 0	9 32	9 49	28 15	8 3	5 49
S 25	4 28	21 16	4 57	8 13	0 19	3 30	1 30	20 14	1 10	23 16	0 31	18 4	2 8	23 46	0 16	8 57	1 8	24 12	2 0	9 31	9 47	28 15	8 2	5 49
S 26	4 51	16 45	4 27	9 9	0 30	3 1	1 30	20 4	1 11	23 16	0 31	18 3	2 8	23 46	0 16	8 58	1 8	24 12	2 0	9 31	9 46	28 15	8 0	5 50
M27	5 14	11 26	3 43	10 5	0 42	2 32	1 30	19 54	1 12	23 15	0 31	18 2	2 8	23 46	0 16	8 58	1 8	24 12	2 1	9 30	9 45	28 15	7 59	5 50
T 28	5 37	5 29	2 47	10 59	0 53	2 2	1 30	19 44	1 13	23 15	0 31	18 2	2 8	23 46	0 16	8 59	1 8	24 12	2 1	9 30	9 44	28 15	7 58	5 50
W29	5 59	0s50	1 40	11 52	1 4	1 33	1 30	19 34	1 14	23 14	0 31	18 1	2 8	23 46	0 16	8 59	1 8	24 12	2 1	9 29	9 43	28 15	7 57	5 50
T 30	6 22	7 16	0 27	12 43	1 15	1 3	1 30	19 24	1 15	23 14	0 31	18 0	2 8	23 46	0 16	8 59	1 8	24 12	2 1	9 29	9 42	28 15	7 56	5 50
F 31	6n45	13s30	0s50	13n32	1n25	0s33	1s30	19s13	1s17	23n13	0n31	18s 0	2n 8	23n46	0n16	9n 0	1n 8	24s13	2s 1	9n29	9n40	28n15	7s55	5n51

Julian Day Number = 2188271.5, Delta T = 10m57s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'15, Lahiri = 13°48'15 Julian Calendar 1 March 1279 == Greg. Calendar 8 March 1279

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

APRIL 1279 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 4 50	18♈ 4'25	17♏31	3♉46	3♈16	10♒ 4	14♋57	29°R17	27♊33	9°R43	18♑48	24♈23	24♈50	6♋37	24♒30	S 1
S 2	13 8 46	19° 2'56	1♐45	5°32	4°30	10°48	15° 2	29♏14	27°35	9♍42	18°49	24°23	24°47	6°43	24°33	S 2
M 3	13 12 43	20° 1'26	16° 4	7°14	5°44	11°32	15° 8	29°11	27°37	9°41	18°49	24°24	24°43	6°50	24°35	M 3
T 4	13 16 39	20°59'54	0♑24	8°52	6°58	12°15	15°14	29° 8	27°39	9°40	18°49	24°24	24°40	6°57	24°38	T 4
W 5	13 20 36	21°58'20	14°41	10°26	8°11	12°59	15°19	29° 5	27°41	9°39	18°50	24°24	24°37	7° 4	24°41	W 5
T 6	13 24 32	22°56'45	28°53	11°55	9°25	13°43	15°25	29° 2	27°43	9°37	18°50	24°R24	24°34	7°10	24°43	T 6
F 7	13 28 29	23°55'09	12♒57	13°21	10°39	14°26	15°31	28°59	27°45	9°36	18°50	24°D24	24°31	7°17	24°46	F 7
S 8	13 32 26	24°53'30	26°52	14°42	11°53	15°10	15°38	28°56	27°47	9°35	18°50	24°24	24°28	7°24	24°49	S 8
S 9	13 36 22	25°51'50	10♓36	15°58	13° 7	15°54	15°44	28°52	27°49	9°34	18°50	24°24	24°24	7°30	24°51	S 9
M10	13 40 19	26°50'09	24° 8	17°10	14°21	16°37	15°50	28°49	27°51	9°33	18°50	24°24	24°21	7°37	24°53	M10
T 11	13 44 15	27°48'25	7♈26	18°17	15°35	17°21	15°57	28°46	27°53	9°32	18°50	24°25	24°18	7°44	24°56	T 11
W12	13 48 12	28°46'40	20°31	19°19	16°48	18° 4	16° 4	28°42	27°55	9°31	18°50	24°R25	24°15	7°51	24°58	W12
T 13	13 52 8	29°44'54	3♉22	20°16	18° 2	18°48	16°11	28°39	27°58	9°30	18°R50	24°25	24°12	7°57	25° 0	T 13
F 14	13 56 5	0♉43'05	15°58	21° 9	19°16	19°31	16°18	28°35	28° 0	9°29	18°50	24°24	24° 9	8° 4	25° 3	F 14
S 15	14 0 1	1°41'15	28°21	21°56	20°30	20°15	16°25	28°31	28° 2	9°29	18°50	24°24	24° 5	8°11	25° 5	S 15
S 16	14 3 58	2°39'23	10♊33	22°38	21°44	20°58	16°32	28°27	28° 4	9°28	18°50	24°23	24° 2	8°17	25° 7	S 16
M17	14 7 55	3°37'29	22°35	23°15	22°57	21°42	16°40	28°24	28° 7	9°27	18°50	24°21	23°59	8°24	25° 9	M17
T 18	14 11 51	4°35'33	4♋30	23°46	24°11	22°25	16°48	28°20	28° 9	9°26	18°50	24°20	23°56	8°31	25°11	T 18
W19	14 15 48	5°33'35	16°23	24°12	25°25	23° 9	16°55	28°16	28°12	9°25	18°50	24°19	23°53	8°38	25°13	W19
T 20	14 19 44	6°31'36	28°17	24°34	26°39	23°52	17° 3	28°12	28°14	9°24	18°50	24°18	23°49	8°44	25°15	T 20
F 21	14 23 41	7°29'34	10♌16	24°49	27°52	24°36	17°11	28° 8	28°17	9°24	18°49	24°D18	23°46	8°51	25°17	F 21
S 22	14 27 37	8°27'31	22°25	25° 0	29° 6	25°19	17°19	28° 4	28°19	9°23	18°49	24°19	23°43	8°58	25°19	S 22
S 23	14 31 34	9°25'25	4♍50	25° 6	0♉20	26° 2	17°28	28° 0	28°22	9°22	18°49	24°20	23°40	9° 4	25°20	S 23
M24	14 35 30	10°23'18	17°32	25°R 6	1°34	26°46	17°36	27°56	28°25	9°22	18°49	24°21	23°37	9°11	25°22	M24
T 25	14 39 27	11°21'09	0♎37	25° 2	2°47	27°29	17°44	27°52	28°27	9°21	18°48	24°22	23°34	9°18	25°24	T 25
W26	14 43 24	12°18'58	14° 5	24°53	4° 1	28°12	17°53	27°48	28°30	9°21	18°48	24°23	23°30	9°25	25°25	W26
T 27	14 47 20	13°16'46	27°57	24°39	5°15	28°55	18° 2	27°43	28°33	9°20	18°48	24°R23	23°27	9°31	25°27	T 27
F 28	14 51 17	14°14'32	12♏10	24°22	6°29	29°38	18°10	27°39	28°36	9°20	18°47	24°23	23°24	9°38	25°28	F 28
S 29	14 55 13	15°12'17	26°41	24° 0	7°42	0♓22	18°19	27°35	28°39	9°19	18°47	24°21	23°21	9°45	25°30	S 29
S 30	14 59 10	16♉10'00	11♐23	23♉35	8♉56	1♓ 5	18♋28	27♏31	28♊41	9♍19	18♑46	24♈18	23♈18	9♋51	25♒31	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 7	19s 7	2s 5	14n19	1n36	0s 4	1s29	19s 2	1s18	23n13	0n31	17s59	2n 8	23n46	0n16	9n 0	1n 8	24s13	2s 1	9n29	9n39	28n15	7s53	5n51
S 2	7 29	23 44	3 13	15 4	1 45	0n26	1 29	18 51	1 19	23 12	0 31	17 58	2 9	23 46	0 16	9 1	1 8	24 13	2 1	9 29	9 38	28 15	7 52	5 51
M 3	7 52	26 56	4 9	15 47	1 54	0 56	1 29	18 40	1 20	23 12	0 31	17 58	2 9	23 46	0 16	9 1	1 8	24 13	2 2	9 30	9 37	28 15	7 51	5 51
T 4	8 14	28 22	4 50	16 27	2 3	1 25	1 28	18 29	1 21	23 11	0 31	17 57	2 9	23 46	0 16	9 2	1 8	24 13	2 2	9 30	9 36	28 15	7 50	5 52
W 5	8 36	27 54	5 12	17 5	2 11	1 55	1 28	18 18	1 22	23 10	0 31	17 56	2 9	23 46	0 16	9 2	1 8	24 13	2 2	9 30	9 35	28 15	7 49	5 52
T 6	8 57	25 37	5 16	17 40	2 18	2 25	1 27	18 6	1 23	23 10	0 31	17 56	2 9	23 47	0 16	9 3	1 8	24 13	2 2	9 30	9 33	28 15	7 48	5 52
F 7	9 19	21 47	5 0	18 13	2 25	2 54	1 27	17 54	1 24	23 9	0 31	17 55	2 9	23 47	0 16	9 3	1 8	24 13	2 2	9 30	9 32	28 15	7 47	5 52
S 8	9 41	16 48	4 28	18 42	2 31	3 24	1 26	17 43	1 25	23 8	0 31	17 54	2 9	23 47	0 16	9 3	1 8	24 13	2 2	9 30	9 31	28 14	7 46	5 53
S 9	10 2	11 0	3 40	19 10	2 35	3 53	1 25	17 31	1 26	23 7	0 31	17 53	2 9	23 47	0 16	9 4	1 8	24 14	2 2	9 30	9 30	28 14	7 45	5 53
M10	10 23	4 47	2 40	19 34	2 39	4 23	1 24	17 19	1 28	23 7	0 31	17 52	2 9	23 47	0 16	9 4	1 8	24 14	2 3	9 30	9 29	28 14	7 43	5 53
T 11	10 44	1n33	1 33	19 56	2 42	4 52	1 23	17 6	1 29	23 6	0 31	17 52	2 9	23 47	0 16	9 4	1 8	24 14	2 3	9 30	9 27	28 14	7 42	5 54
W12	11 5	7 43	0 22	20 16	2 44	5 22	1 23	16 54	1 30	23 5	0 31	17 51	2 9	23 47	0 16	9 5	1 8	24 14	2 3	9 30	9 26	28 14	7 41	5 54
T 13	11 26	13 27	0n49	20 32	2 45	5 51	1 22	16 41	1 31	23 4	0 32	17 50	2 9	23 47	0 16	9 5	1 8	24 14	2 3	9 30	9 25	28 14	7 40	5 54
F 14	11 46	18 33	1 57	20 46	2 45	6 20	1 21	16 29	1 32	23 3	0 32	17 49	2 10	23 47	0 16	9 5	1 8	24 14	2 3	9 30	9 24	28 13	7 39	5 54
S 15	12 6	22 45	2 57	20 58	2 44	6 49	1 19	16 16	1 33	23 3	0 32	17 48	2 10	23 47	0 16	9 6	1 8	24 14	2 3	9 30	9 23	28 13	7 38	5 55
S 16	12 27	25 53	3 48	21 7	2 42	7 17	1 18	16 3	1 34	23 2	0 32	17 47	2 10	23 47	0 16	9 6	1 8	24 15	2 3	9 29	9 22	28 13	7 37	5 55
M17	12 46	27 48	4 29	21 13	2 39	7 46	1 17	15 50	1 35	23 1	0 32	17 46	2 10	23 47	0 16	9 6	1 8	24 15	2 4	9 29	9 20	28 13	7 36	5 55
T 18	13 6	28 25	4 57	21 17	2 34	8 15	1 16	15 37	1 36	23 0	0 32	17 46	2 10	23 47	0 16	9 7	1 8	24 15	2 4	9 28	9 19	28 13	7 36	5 56
W19	13 26	27 42	5 13	21 18	2 29	8 43	1 14	15 24	1 38	22 59	0 32	17 45	2 10	23 47	0 16	9 7	1 8	24 15	2 4	9 28	9 18	28 12	7 35	5 56
T 20	13 45	25 44	5 15	21 17	2 22	9 11	1 13	15 10	1 39	22 58	0 32	17 44	2 10	23 47	0 16	9 7	1 8	24 15	2 4	9 28	9 17	28 12	7 34	5 56
F 21	14 4	22 37	5 4	21 13	2 14	9 39	1 12	14 57	1 40	22 57	0 32	17 43	2 10	23 47	0 16	9 7	1 8	24 15	2 4	9 28	9 16	28 12	7 33	5 56
S 22	14 23	18 29	4 39	21 7	2 5	10 6	1 10	14 43	1 41	22 56	0 32	17 42	2 10	23 47	0 16	9 8	1 8	24 16	2 4	9 28	9 15	28 12	7 32	5 57
S 23	14 41	13 30	4 1	20 59	1 55	10 34	1 9	14 29	1 42	22 55	0 32	17 41	2 10	23 47	0 16	9 8	1 8	24 16	2 5	9 28	9 13	28 11	7 31	5 57
M24	15 0	7 51	3 10	20 48	1 44	11 1	1 7	14 15	1 43	22 54	0 32	17 40	2 10	23 47	0 16	9 8	1 8	24 16	2 5	9 29	9 12	28 11	7 30	5 57
T 25	15 18	1 42	2 7	20 35	1 32	11 28	1 5	14 2	1 44	22 53	0 32	17 39	2 10	23 47	0 16	9 8	1 8	24 16	2 5	9 29	9 11	28 11	7 29	5 58
W26	15 36	4s43	0 57	20 20	1 19	11 55	1 4	13 48	1 45	22 52	0 32	17 38	2 10	23 47	0 16	9 9	1 8	24 16	2 5	9 29	9 10	28 11	7 29	5 58
T 27	15 53	11 5	0s20	20 3	1 5	12 21	1 2	13 33	1 46	22 50	0 32	17 37	2 10	23 47	0 16	9 9	1 8	24 17	2 5	9 29	9 9	28 10	7 28	5 58
F 28	16 11	17 5	1 36	19 44	0 50	12 47	1 0	13 19	1 48	22 49	0 32	17 36	2 10	23 47	0 16	9 9	1 8	24 17	2 5	9 29	9 8	28 10	7 27	5 59
S 29	16 28	22 13	2 48	19 24	0 34	13 13	0 59	13 5	1 49	22 48	0 32	17 35	2 10	23 47	0 16	9 9	1 8	24 17	2 5	9 29	9 6	28 10	7 26	5 59
S 30	16n44	26s 2	3s50	19n 2	0n18	13n38	0s57	12s51	1s50	22n47	0n32	17s34	2n10	23n47	0n16	9n 9	1n 8	24s17	2s 6	9n28	9n 5	28n 9	7s25	5n59

Julian Day Number = 2188302.5, Delta T = 10m57s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'19, Lahiri = 13°48'19 Julian Calendar 1 Apr. 1279 == Greg. Calendar 8 Apr. 1279

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

MAY 1279 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 3 6	17♉ 7'43	26♐ 8	23°R 7	10♉10	1♓48	18♋38	27°R26	28♊44	9°R18	18°R46	24°R15	23♈15	9♋58	25♒33	M 1
T 2	15 7 3	18° 5'24	10♑51	22♉37	11°23	2°31	18°47	27♏22	28°47	9♍18	18♑45	24♈13	23°11	10° 5	25°34	T 2
W 3	15 10 59	19° 3'04	25°24	22° 5	12°37	3°14	18°56	27°18	28°50	9°17	18°45	24°10	23° 8	10°12	25°35	W 3
T 4	15 14 56	20° 0'43	9♒43	21°32	13°51	3°57	19° 6	27°13	28°53	9°17	18°44	24° 9	23° 5	10°18	25°36	T 4
F 5	15 18 53	20°58'21	23°46	20°57	15° 5	4°40	19°15	27° 9	28°56	9°17	18°44	24°D 8	23° 2	10°25	25°37	F 5
S 6	15 22 49	21°55'57	7♓30	20°23	16°18	5°23	19°25	27° 4	28°59	9°17	18°43	24° 9	22°59	10°32	25°38	S 6
S 7	15 26 46	22°53'33	20°57	19°49	17°32	6° 6	19°35	27° 0	29° 2	9°16	18°42	24°10	22°55	10°39	25°39	S 7
M 8	15 30 42	23°51'08	4♈ 8	19°16	18°46	6°49	19°44	26°56	29° 5	9°16	18°42	24°12	22°52	10°45	25°40	M 8
T 9	15 34 39	24°48'42	17° 4	18°45	19°59	7°31	19°54	26°51	29° 8	9°16	18°41	24°13	22°49	10°52	25°41	T 9
W10	15 38 35	25°46'15	29°47	18°16	21°13	8°14	20° 4	26°47	29°12	9°16	18°40	24°R13	22°46	10°59	25°42	W10
T 11	15 42 32	26°43'47	12♉19	17°49	22°27	8°57	20°15	26°42	29°15	9°16	18°40	24°12	22°43	11° 5	25°43	T 11
F 12	15 46 28	27°41'18	24°40	17°26	23°40	9°39	20°25	26°38	29°18	9°16	18°39	24° 9	22°40	11°12	25°43	F 12
S 13	15 50 25	28°38'48	6♊52	17° 5	24°54	10°22	20°35	26°33	29°21	9°16	18°38	24° 4	22°36	11°19	25°44	S 13
S 14	15 54 22	29°36'17	18°56	16°49	26° 8	11° 4	20°46	26°29	29°24	9°D16	18°37	23°58	22°33	11°26	25°44	S 14
M15	15 58 18	0♊33'44	0♋54	16°36	27°21	11°47	20°56	26°25	29°28	9°16	18°36	23°52	22°30	11°32	25°45	M15
T 16	16 2 15	1°31'11	12°48	16°28	28°35	12°29	21° 7	26°20	29°31	9°16	18°36	23°45	22°27	11°39	25°45	T 16
W17	16 6 11	2°28'37	24°39	16°D23	29°49	13°12	21°17	26°16	29°34	9°16	18°35	23°39	22°24	11°46	25°46	W17
T 18	16 10 8	3°26'01	6♌32	16°23	1♊ 3	13°54	21°28	26°11	29°38	9°16	18°34	23°34	22°21	11°52	25°46	T 18
F 19	16 14 4	4°23'24	18°30	16°28	2°16	14°36	21°39	26° 7	29°41	9°16	18°33	23°31	22°17	11°59	25°46	F 19
S 20	16 18 1	5°20'46	0♍37	16°37	3°30	15°18	21°50	26° 3	29°44	9°16	18°32	23°D30	22°14	12° 6	25°47	S 20
S 21	16 21 57	6°18'07	12°58	16°51	4°44	16° 0	22° 1	25°58	29°48	9°17	18°31	23°30	22°11	12°13	25°47	S 21
M22	16 25 54	7°15'27	25°37	17° 9	5°57	16°42	22°12	25°54	29°51	9°17	18°30	23°31	22° 8	12°19	25°47	M22
T 23	16 29 51	8°12'45	8♎40	17°31	7°11	17°24	22°23	25°50	29°54	9°17	18°29	23°32	22° 5	12°26	25°R47	T 23
W24	16 33 47	9°10'03	22° 8	17°58	8°25	18° 6	22°34	25°45	29°58	9°17	18°28	23°R33	22° 1	12°33	25°47	W24
T 25	16 37 44	10° 7'20	6♏ 4	18°30	9°38	18°47	22°45	25°41	0♋ 1	9°18	18°27	23°32	21°58	12°40	25°47	T 25
F 26	16 41 40	11° 4'36	20°27	19° 5	10°52	19°29	22°57	25°37	0° 5	9°18	18°26	23°30	21°55	12°46	25°46	F 26
S 27	16 45 37	12° 1'51	5♐12	19°45	12° 6	20°11	23° 8	25°33	0° 8	9°19	18°25	23°25	21°52	12°53	25°46	S 27
S 28	16 49 33	12°59'06	20°14	20°29	13°19	20°52	23°20	25°29	0°12	9°19	18°24	23°19	21°49	13° 0	25°46	S 28
M29	16 53 30	13°56'20	5♑23	21°16	14°33	21°33	23°31	25°24	0°15	9°20	18°23	23°12	21°46	13° 6	25°46	M29
T 30	16 57 27	14°53'34	20°28	22° 8	15°47	22°15	23°43	25°20	0°19	9°20	18°21	23° 4	21°42	13°13	25°45	T 30
W31	17 1 23	15♊50'47	5♒21	23♉ 4	17♊ 0	22♓56	23♋54	25♏16	0♋22	9♍21	18♑20	22♈58	21♈39	13♋20	25♒45	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17n 1	28s 6	4s37	18n38	0n 1	14n 3	0s55	12s36	1s51	22n46	0n32	17s33	2n10	23n47	0n16	9n 9	1n 8	24s17	2s 6	9n27	9n 4	28n 9	7s25	6n 0
T 2	17 17	28 10	5 5	18 14	0s17	14 28	0 53	12 22	1 52	22 44	0 32	17 32	2 10	23 47	0 16	9 9	1 8	24 18	2 6	9 25	9 3	28 9	7 24	6 0
W 3	17 33	26 17	5 14	17 49	0 34	14 53	0 51	12 7	1 53	22 43	0 32	17 31	2 10	23 47	0 16	9 10	1 8	24 18	2 6	9 25	9 2	28 8	7 23	6 0
T 4	17 49	22 44	5 2	17 23	0 51	15 17	0 49	11 52	1 54	22 42	0 32	17 31	2 10	23 47	0 16	9 10	1 7	24 18	2 6	9 24	9 0	28 8	7 23	6 1
F 5	18 4	17 56	4 33	16 58	1 9	15 40	0 47	11 37	1 55	22 40	0 32	17 30	2 10	23 47	0 16	9 10	1 7	24 18	2 6	9 24	8 59	28 8	7 22	6 1
S 6	18 19	12 19	3 48	16 32	1 26	16 4	0 45	11 23	1 56	22 39	0 32	17 29	2 10	23 47	0 16	9 10	1 7	24 18	2 6	9 24	8 58	28 7	7 21	6 1
S 7	18 34	6 14	2 52	16 7	1 43	16 27	0 43	11 8	1 57	22 38	0 32	17 28	2 10	23 47	0 16	9 10	1 7	24 19	2 7	9 25	8 57	28 7	7 21	6 2
M 8	18 49	0n 0	1 48	15 43	1 59	16 49	0 41	10 53	1 58	22 36	0 32	17 27	2 10	23 47	0 16	9 10	1 7	24 19	2 7	9 25	8 56	28 7	7 20	6 2
T 9	19 3	6 8	0 39	15 19	2 14	17 11	0 39	10 38	2 0	22 35	0 32	17 26	2 10	23 47	0 16	9 10	1 7	24 19	2 7	9 26	8 55	28 6	7 19	6 2
W10	19 17	11 55	0n30	14 57	2 29	17 33	0 36	10 23	2 1	22 33	0 32	17 25	2 10	23 48	0 16	9 10	1 7	24 19	2 7	9 26	8 53	28 6	7 19	6 2
T 11	19 30	17 8	1 37	14 37	2 42	17 54	0 34	10 7	2 2	22 32	0 32	17 24	2 10	23 48	0 16	9 10	1 7	24 20	2 7	9 25	8 52	28 6	7 18	6 3
F 12	19 43	21 34	2 38	14 18	2 55	18 15	0 32	9 52	2 3	22 30	0 32	17 23	2 10	23 48	0 16	9 10	1 7	24 20	2 7	9 24	8 51	28 5	7 18	6 3
S 13	19 56	25 1	3 31	14 2	3 6	18 35	0 30	9 37	2 4	22 29	0 32	17 22	2 10	23 48	0 16	9 10	1 7	24 20	2 7	9 22	8 50	28 5	7 17	6 3
S 14	20 9	27 18	4 14	13 47	3 17	18 55	0 28	9 22	2 5	22 27	0 32	17 21	2 9	23 48	0 16	9 10	1 7	24 20	2 8	9 20	8 49	28 4	7 17	6 4
M15	20 21	28 17	4 45	13 35	3 26	19 14	0 25	9 7	2 6	22 26	0 32	17 20	2 9	23 48	0 16	9 10	1 7	24 21	2 8	9 18	8 47	28 4	7 16	6 4
T 16	20 33	27 58	5 4	13 25	3 34	19 33	0 23	8 51	2 7	22 24	0 32	17 19	2 9	23 48	0 16	9 10	1 7	24 21	2 8	9 15	8 46	28 3	7 16	6 4
W17	20 44	26 21	5 10	13 17	3 41	19 51	0 21	8 36	2 8	22 22	0 32	17 18	2 9	23 48	0 16	9 10	1 7	24 21	2 8	9 13	8 45	28 3	7 15	6 5
T 18	20 56	23 35	5 2	13 11	3 46	20 9	0 18	8 20	2 9	22 21	0 32	17 17	2 9	23 48	0 16	9 10	1 7	24 21	2 8	9 11	8 44	28 2	7 15	6 5
F 19	21 6	19 47	4 41	13 8	3 51	20 26	0 16	8 5	2 10	22 19	0 32	17 16	2 9	23 48	0 16	9 10	1 7	24 22	2 8	9 10	8 43	28 2	7 14	6 5
S 20	21 17	15 9	4 7	13 8	3 54	20 43	0 14	7 50	2 11	22 17	0 32	17 15	2 9	23 48	0 16	9 10	1 7	24 22	2 8	9 10	8 41	28 2	7 14	6 6
S 21	21 27	9 49	3 22	13 9	3 56	20 59	0 11	7 34	2 12	22 16	0 32	17 14	2 9	23 48	0 16	9 9	1 7	24 22	2 8	9 10	8 40	28 1	7 14	6 6
M22	21 37	3 58	2 25	13 13	3 58	21 14	0 9	7 19	2 13	22 14	0 32	17 13	2 9	23 48	0 16	9 9	1 7	24 22	2 9	9 10	8 39	28 1	7 13	6 6
T 23	21 46	2s14	1 20	13 19	3 58	21 29	0 7	7 3	2 14	22 12	0 32	17 12	2 9	23 48	0 16	9 9	1 7	24 23	2 9	9 11	8 38	28 0	7 13	6 7
W24	21 55	8 32	0 8	13 28	3 57	21 44	0 4	6 48	2 15	22 10	0 32	17 12	2 9	23 48	0 16	9 9	1 7	24 23	2 9	9 11	8 37	28 0	7 13	6 7
T 25	22 3	14 39	1s 7	13 38	3 55	21 57	0 2	6 32	2 16	22 8	0 32	17 11	2 8	23 48	0 16	9 9	1 7	24 23	2 9	9 11	8 36	27 59	7 13	6 7
F 26	22 12	20 10	2 20	13 50	3 52	22 10	0n 1	6 17	2 17	22 6	0 32	17 10	2 8	23 48	0 16	9 9	1 7	24 24	2 9	9 10	8 34	27 59	7 12	6 8
S 27	22 19	24 37	3 25	14 4	3 49	22 23	0 3	6 1	2 18	22 5	0 32	17 9	2 8	23 48	0 16	9 9	1 7	24 24	2 9	9 8	8 33	27 58	7 12	6 8
S 28	22 27	27 27	4 17	14 20	3 44	22 35	0 5	5 46	2 19	22 3	0 32	17 8	2 8	23 48	0 16	9 8	1 7	24 24	2 9	9 6	8 32	27 57	7 12	6 8
M29	22 34	28 17	4 52	14 38	3 39	22 46	0 8	5 30	2 20	22 1	0 32	17 7	2 8	23 48	0 16	9 8	1 7	24 24	2 10	9 3	8 31	27 57	7 12	6 9
T 30	22 41	27 0	5 6	14 57	3 33	22 56	0 10	5 15	2 21	21 59	0 33	17 6	2 8	23 48	0 16	9 8	1 7	24 25	2 10	9 0	8 30	27 56	7 11	6 9
W31	22n47	23s50	4s59	15n17	3s26	23n 6	0n12	4s59	2s22	21n57	0n33	17s 6	2n 8	23n48	0n16	9n 8	1n 7	24s25	2s10	8n58	8n28	27n56	7s11	6n 9

Julian Day Number = 2188332.5, Delta T = 10m57s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'23, Lahiri = 13°48'24 Julian Calendar 1 May 1279 == Greg. Calendar 8 May 1279

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

JUNE 1279 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 5 20	16♊48'00	19♒54	24♉ 3	18♊14	23♓37	24♋ 6	25°R12	0♋26	9♍21	18°R19	22°R53	21♈36	13♋27	25°R44	T 1
F 2	17 9 16	17°45'13	4♓ 3	25° 6	19°28	24°18	24°18	25♏ 8	0°29	9°22	18♑18	22♈50	21°33	13°33	25♒44	F 2
S 3	17 13 13	18°42'26	17°48	26°13	20°41	24°59	24°30	25° 5	0°33	9°22	18°17	22°D50	21°30	13°40	25°43	S 3
S 4	17 17 9	19°39'38	1♈ 9	27°24	21°55	25°40	24°42	25° 1	0°36	9°23	18°16	22°50	21°27	13°47	25°42	S 4
M 5	17 21 6	20°36'50	14° 9	28°38	23° 9	26°21	24°53	24°57	0°40	9°24	18°14	22°51	21°23	13°53	25°42	M 5
T 6	17 25 2	21°34'03	26°51	29°55	24°23	27° 1	25° 5	24°53	0°44	9°24	18°13	22°R51	21°20	14° 0	25°41	T 6
W 7	17 28 59	22°31'15	9♉19	1♊16	25°36	27°42	25°18	24°50	0°47	9°25	18°12	22°50	21°17	14° 7	25°40	W 7
T 8	17 32 56	23°28'27	21°36	2°41	26°50	28°22	25°30	24°46	0°51	9°26	18°11	22°46	21°14	14°14	25°39	T 8
F 9	17 36 52	24°25'39	3♊45	4° 9	28° 4	29° 2	25°42	24°42	0°54	9°27	18° 9	22°40	21°11	14°20	25°38	F 9
S 10	17 40 49	25°22'51	15°46	5°40	29°18	29°43	25°54	24°39	0°58	9°28	18° 8	22°31	21° 7	14°27	25°37	S 10
S 11	17 44 45	26°20'03	27°43	7°15	0♋31	0♈23	26° 6	24°35	1° 2	9°29	18° 7	22°20	21° 4	14°34	25°36	S 11
M12	17 48 42	27°17'15	9♋37	8°53	1°45	1° 2	26°19	24°32	1° 5	9°30	18° 5	22° 8	21° 1	14°41	25°35	M12
T 13	17 52 38	28°14'27	21°29	10°34	2°59	1°42	26°31	24°29	1° 9	9°30	18° 4	21°56	20°58	14°47	25°34	T 13
W14	17 56 35	29°11'38	3♌21	12°18	4°12	2°22	26°43	24°25	1°13	9°31	18° 3	21°45	20°55	14°54	25°33	W14
T 15	18 0 31	0♋ 8'49	15°14	14° 6	5°26	3° 1	26°56	24°22	1°16	9°32	18° 1	21°36	20°52	15° 1	25°31	T 15
F 16	18 4 28	1° 6'00	27°13	15°56	6°40	3°41	27° 8	24°19	1°20	9°34	18° 0	21°28	20°48	15° 7	25°30	F 16
S 17	18 8 25	2° 3'11	9♍20	17°49	7°54	4°20	27°21	24°16	1°23	9°35	17°59	21°24	20°45	15°14	25°28	S 17
S 18	18 12 21	3° 0'22	21°39	19°45	9° 8	4°59	27°33	24°13	1°27	9°36	17°57	21°22	20°42	15°21	25°27	S 18
M19	18 16 18	3°57'32	4♎15	21°43	10°21	5°38	27°46	24°10	1°31	9°37	17°56	21°D21	20°39	15°28	25°25	M19
T 20	18 20 14	4°54'42	17°12	23°44	11°35	6°17	27°59	24° 7	1°34	9°38	17°55	21°R21	20°36	15°34	25°24	T 20
W21	18 24 11	5°51'52	0♏35	25°46	12°49	6°55	28°11	24° 5	1°38	9°39	17°53	21°21	20°33	15°41	25°22	W21
T 22	18 28 7	6°49'02	14°26	27°51	14° 3	7°34	28°24	24° 2	1°41	9°40	17°52	21°19	20°29	15°48	25°21	T 22
F 23	18 32 4	7°46'12	28°46	29°57	15°16	8°12	28°37	23°59	1°45	9°42	17°50	21°15	20°26	15°55	25°19	F 23
S 24	18 36 0	8°43'22	13♐32	2♋ 4	16°30	8°50	28°49	23°57	1°49	9°43	17°49	21° 9	20°23	16° 1	25°17	S 24
S 25	18 39 57	9°40'33	28°40	4°12	17°44	9°28	29° 2	23°54	1°52	9°44	17°48	21° 0	20°20	16° 8	25°15	S 25
M26	18 43 54	10°37'43	13♑59	6°20	18°58	10° 6	29°15	23°52	1°56	9°45	17°46	20°50	20°17	16°15	25°14	M26
T 27	18 47 50	11°34'54	29°17	8°29	20°11	10°43	29°28	23°50	1°59	9°47	17°45	20°40	20°13	16°21	25°12	T 27
W28	18 51 47	12°32'06	14♒25	10°38	21°25	11°21	29°41	23°48	2° 3	9°48	17°43	20°30	20°10	16°28	25°10	W28
T 29	18 55 43	13°29'17	29°11	12°47	22°39	11°58	29°54	23°45	2° 7	9°49	17°42	20°23	20° 7	16°35	25° 8	T 29
F 30	18 59 40	14♋26'30	13♓31	14♋55	23♋53	12♈35	0♌ 7	23♏43	2♋10	9♍51	17♑40	20♈18	20♈ 4	16♋42	25♒ 6	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n53	19s13	4s33	15n39	3s19	23n15	0n15	4s44	2s23	21n55	0n33	17s 5	2n 8	23n48	0n16	9n 7	1n 7	24s25	2s10	8n56	8n27	27n55	7s11	6n10
F 2	22 58	13 38	3 51	16 2	3 11	23 24	0 17	4 28	2 24	21 53	0 33	17 4	2 7	23 48	0 16	9 7	1 7	24 26	2 10	8 55	8 26	27 55	7 11	6 10
S 3	23 3	7 33	2 56	16 25	3 3	23 32	0 19	4 13	2 25	21 51	0 33	17 3	2 7	23 48	0 16	9 7	1 7	24 26	2 10	8 55	8 25	27 54	7 11	6 10
S 4	23 8	1 17	1 54	16 50	2 54	23 39	0 22	3 57	2 26	21 49	0 33	17 2	2 7	23 48	0 16	9 7	1 7	24 26	2 10	8 55	8 24	27 53	7 11	6 11
M 5	23 12	4n53	0 46	17 16	2 44	23 45	0 24	3 42	2 27	21 46	0 33	17 2	2 7	23 48	0 16	9 6	1 7	24 26	2 10	8 55	8 22	27 53	7 11	6 11
T 6	23 16	10 44	0n21	17 42	2 34	23 51	0 26	3 27	2 28	21 44	0 33	17 1	2 7	23 48	0 16	9 6	1 7	24 27	2 11	8 55	8 21	27 52	7 11	6 11
W 7	23 19	16 2	1 27	18 9	2 24	23 56	0 29	3 11	2 28	21 42	0 33	17 0	2 7	23 48	0 16	9 6	1 7	24 27	2 11	8 55	8 20	27 52	7 11	6 12
T 8	23 22	20 36	2 27	18 37	2 13	24 1	0 31	2 56	2 29	21 40	0 33	16 59	2 7	23 48	0 16	9 5	1 7	24 27	2 11	8 53	8 19	27 51	7 11	6 12
F 9	23 25	24 15	3 20	19 4	2 2	24 4	0 33	2 41	2 30	21 38	0 33	16 59	2 6	23 48	0 16	9 5	1 6	24 28	2 11	8 51	8 18	27 50	7 11	6 12
S 10	23 27	26 48	4 3	19 32	1 50	24 7	0 35	2 26	2 31	21 35	0 33	16 58	2 6	23 48	0 16	9 5	1 6	24 28	2 11	8 48	8 16	27 50	7 11	6 13
S 11	23 29	28 6	4 35	19 59	1 39	24 9	0 37	2 10	2 32	21 33	0 33	16 57	2 6	23 48	0 16	9 4	1 6	24 28	2 11	8 44	8 15	27 49	7 11	6 13
M12	23 30	28 5	4 55	20 27	1 27	24 11	0 40	1 55	2 33	21 31	0 33	16 57	2 6	23 48	0 16	9 4	1 6	24 28	2 11	8 39	8 14	27 48	7 11	6 13
T 13	23 31	26 47	5 2	20 53	1 15	24 12	0 42	1 40	2 34	21 29	0 33	16 56	2 6	23 48	0 16	9 4	1 6	24 29	2 11	8 35	8 13	27 48	7 11	6 13
W14	23 32	24 17	4 56	21 20	1 2	24 12	0 44	1 25	2 35	21 26	0 33	16 55	2 5	23 47	0 16	9 3	1 6	24 29	2 11	8 31	8 12	27 47	7 11	6 14
T 15	23 32	20 44	4 37	21 45	0 50	24 11	0 46	1 10	2 35	21 24	0 33	16 55	2 5	23 47	0 16	9 3	1 6	24 29	2 12	8 27	8 10	27 46	7 11	6 14
F 16	23 32	16 20	4 6	22 9	0 38	24 10	0 48	0 55	2 36	21 21	0 33	16 54	2 5	23 47	0 16	9 2	1 6	24 30	2 12	8 24	8 9	27 46	7 12	6 14
S 17	23 31	11 14	3 23	22 32	0 26	24 8	0 50	0 40	2 37	21 19	0 33	16 54	2 5	23 47	0 16	9 2	1 6	24 30	2 12	8 23	8 8	27 45	7 12	6 15
S 18	23 30	5 38	2 31	22 54	0 14	24 5	0 52	0 26	2 38	21 17	0 33	16 53	2 5	23 47	0 16	9 2	1 6	24 30	2 12	8 22	8 7	27 44	7 12	6 15
M19	23 29	0s20	1 29	23 14	0 3	24 1	0 54	0 11	2 39	21 14	0 33	16 53	2 5	23 47	0 16	9 1	1 6	24 30	2 12	8 22	8 6	27 43	7 12	6 15
T 20	23 27	6 26	0 22	23 32	0n 9	23 57	0 56	0n 4	2 40	21 12	0 33	16 52	2 4	23 47	0 16	9 1	1 6	24 31	2 12	8 22	8 4	27 43	7 13	6 15
W21	23 24	12 29	0s49	23 48	0 20	23 52	0 57	0 18	2 40	21 9	0 33	16 52	2 4	23 47	0 16	9 0	1 6	24 31	2 12	8 22	8 3	27 42	7 13	6 16
T 22	23 22	18 7	1 59	24 1	0 30	23 46	0 59	0 33	2 41	21 7	0 34	16 51	2 4	23 47	0 16	9 0	1 6	24 31	2 12	8 21	8 2	27 41	7 13	6 16
F 23	23 18	22 57	3 4	24 12	0 40	23 40	1 1	0 47	2 42	21 4	0 34	16 51	2 4	23 47	0 16	8 59	1 6	24 32	2 12	8 19	8 1	27 40	7 13	6 16
S 24	23 15	26 28	3 59	24 21	0 50	23 33	1 3	1 2	2 43	21 2	0 34	16 50	2 3	23 47	0 16	8 59	1 6	24 32	2 13	8 17	8 0	27 40	7 14	6 16
S 25	23 11	28 10	4 38	24 26	0 58	23 25	1 4	1 16	2 43	20 59	0 34	16 50	2 3	23 47	0 16	8 58	1 6	24 32	2 13	8 14	7 58	27 39	7 14	6 17
M26	23 6	27 45	4 58	24 30	1 7	23 17	1 6	1 30	2 44	20 56	0 34	16 50	2 3	23 47	0 16	8 58	1 6	24 33	2 13	8 10	7 57	27 38	7 15	6 17
T 27	23 2	25 13	4 57	24 30	1 14	23 7	1 8	1 44	2 45	20 54	0 34	16 49	2 3	23 47	0 16	8 57	1 6	24 33	2 13	8 6	7 56	27 37	7 15	6 17
W28	22 56	20 57	4 35	24 27	1 21	22 58	1 9	1 58	2 45	20 51	0 34	16 49	2 3	23 47	0 16	8 57	1 6	24 33	2 13	8 2	7 55	27 37	7 15	6 17
T 29	22 51	15 28	3 55	24 22	1 27	22 47	1 11	2 12	2 46	20 48	0 34	16 49	2 2	23 47	0 16	8 56	1 6	24 33	2 13	8 0	7 54	27 36	7 16	6 18
F 30	22n45	9s17	3s 1	24n14	1n32	22n36	1n12	2n26	2s47	20n46	0n34	16s48	2n 2	23n47	0n16	8n55	1n 6	24s34	2s13	7n58	7n52	27n35	7s16	6n18

Julian Day Number = 2188363.5, Delta T = 10m57s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'27, Lahiri = 13°48'28 Julian Calendar 1 June 1279 == Greg. Calendar 8 June 1279

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

JULY 1279 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 3 36	15♋23'43	27♓23	17♋ 2	25♋ 7	13♈12	0♌20	23°R42	2♋14	9♍52	17°R39	20°R15	20♈ 1	16♋48	25°R 4	S 1
S 2	19 7 33	16°20'57	10♈46	19° 9	26°20	13°48	0°33	23♏40	2°17	9°54	17♑38	20♈15	19°58	16°55	25♒ 2	S 2
M 3	19 11 29	17°18'12	23°45	21°14	27°34	14°25	0°46	23°38	2°21	9°55	17°36	20°15	19°54	17° 2	24°59	M 3
T 4	19 15 26	18°15'28	6♉23	23°19	28°48	15° 1	0°59	23°36	2°24	9°57	17°35	20°14	19°51	17° 9	24°57	T 4
W 5	19 19 23	19°12'44	18°44	25°21	0♌ 2	15°37	1°12	23°35	2°28	9°58	17°33	20°12	19°48	17°15	24°55	W 5
T 6	19 23 19	20°10'02	0♊52	27°23	1°16	16°13	1°25	23°33	2°31	10° 0	17°32	20° 7	19°45	17°22	24°53	T 6
F 7	19 27 16	21° 7'20	12°53	29°23	2°29	16°48	1°38	23°32	2°35	10° 1	17°30	20° 0	19°42	17°29	24°50	F 7
S 8	19 31 12	22° 4'39	24°48	1♌21	3°43	17°24	1°51	23°30	2°38	10° 3	17°29	19°50	19°39	17°35	24°48	S 8
S 9	19 35 9	23° 2'00	6♋41	3°18	4°57	17°59	2° 4	23°29	2°42	10° 5	17°28	19°38	19°35	17°42	24°46	S 9
M10	19 39 5	23°59'21	18°33	5°14	6°11	18°34	2°17	23°28	2°45	10° 6	17°26	19°24	19°32	17°49	24°43	M10
T 11	19 43 2	24°56'42	0♌25	7° 7	7°25	19° 8	2°30	23°27	2°49	10° 8	17°25	19°10	19°29	17°56	24°41	T 11
W12	19 46 59	25°54'05	12°20	8°59	8°39	19°43	2°43	23°26	2°52	10°10	17°23	18°57	19°26	18° 2	24°38	W12
T 13	19 50 55	26°51'28	24°18	10°49	9°52	20°17	2°57	23°25	2°55	10°11	17°22	18°46	19°23	18° 9	24°36	T 13
F 14	19 54 52	27°48'52	6♍22	12°38	11° 6	20°51	3°10	23°25	2°59	10°13	17°20	18°37	19°19	18°16	24°33	F 14
S 15	19 58 48	28°46'17	18°33	14°25	12°20	21°24	3°23	23°24	3° 2	10°15	17°19	18°31	19°16	18°22	24°30	S 15
S 16	20 2 45	29°43'42	0♎56	16°10	13°34	21°57	3°36	23°23	3° 6	10°17	17°18	18°28	19°13	18°29	24°28	S 16
M17	20 6 41	0♌41'08	13°33	17°54	14°48	22°30	3°49	23°23	3° 9	10°19	17°16	18°D27	19°10	18°36	24°25	M17
T 18	20 10 38	1°38'35	26°28	19°36	16° 2	23° 3	4° 2	23°23	3°12	10°20	17°15	18°R27	19° 7	18°43	24°23	T 18
W19	20 14 34	2°36'03	9♏46	21°16	17°15	23°35	4°16	23°22	3°15	10°22	17°14	18°27	19° 4	18°49	24°20	W19
T 20	20 18 31	3°33'31	23°29	22°55	18°29	24° 7	4°29	23°22	3°19	10°24	17°12	18°26	19° 0	18°56	24°17	T 20
F 21	20 22 28	4°31'01	7♐39	24°33	19°43	24°39	4°42	23°D22	3°22	10°26	17°11	18°22	18°57	19° 3	24°14	F 21
S 22	20 26 24	5°28'31	22°15	26° 8	20°57	25°11	4°55	23°22	3°25	10°28	17° 9	18°17	18°54	19°10	24°12	S 22
S 23	20 30 21	6°26'02	7♑13	27°42	22°11	25°42	5° 8	23°22	3°28	10°30	17° 8	18° 8	18°51	19°16	24° 9	S 23
M24	20 34 17	7°23'34	22°25	29°15	23°24	26°13	5°22	23°22	3°31	10°32	17° 7	17°59	18°48	19°23	24° 6	M24
T 25	20 38 14	8°21'08	7♒42	0♍46	24°38	26°43	5°35	23°23	3°35	10°34	17° 5	17°49	18°45	19°30	24° 3	T 25
W26	20 42 10	9°18'42	22°51	2°15	25°52	27°13	5°48	23°23	3°38	10°36	17° 4	17°40	18°41	19°36	24° 0	W26
T 27	20 46 7	10°16'18	7♓42	3°42	27° 6	27°43	6° 1	23°24	3°41	10°38	17° 3	17°33	18°38	19°43	23°57	T 27
F 28	20 50 3	11°13'55	22° 9	5° 8	28°20	28°12	6°14	23°24	3°44	10°39	17° 2	17°28	18°35	19°50	23°54	F 28
S 29	20 54 0	12°11'33	6♈ 8	6°33	29°33	28°42	6°27	23°25	3°47	10°41	17° 0	17°26	18°32	19°57	23°52	S 29
S 30	20 57 57	13° 9'13	19°38	7°55	0♍47	29°10	6°41	23°26	3°50	10°43	16°59	17°D25	18°29	20° 3	23°49	S 30
M31	21 1 53	14♌ 6'55	2♉40	9♍16	2♍ 1	29♈39	6♌54	23♏27	3♋53	10♍46	16♑58	17♈26	18♈25	20♋10	23♒46	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n39	2s51	1s58	24n 3	1n37	22n24	1n13	2n40	2s48	20n43	0n34	16s48	2n 2	23n47	0n16	8n55	1n 6	24s34	2s13	7n57	7n51	27n34	7s17	6n18
S 2	22 32	3n31	0 50	23 49	1 41	22 12	1 15	2 53	2 48	20 40	0 34	16 48	2 2	23 47	0 16	8 54	1 6	24 34	2 13	7 57	7 50	27 33	7 17	6 18
M 3	22 25	9 32	0n19	23 33	1 44	21 58	1 16	3 7	2 49	20 37	0 34	16 48	2 2	23 47	0 16	8 54	1 6	24 35	2 13	7 57	7 49	27 32	7 18	6 18
T 4	22 17	15 1	1 24	23 15	1 46	21 45	1 17	3 20	2 49	20 35	0 34	16 47	2 1	23 47	0 16	8 53	1 6	24 35	2 13	7 56	7 48	27 32	7 18	6 19
W 5	22 9	19 46	2 24	22 55	1 48	21 30	1 18	3 33	2 50	20 32	0 34	16 47	2 1	23 47	0 16	8 53	1 6	24 35	2 14	7 56	7 46	27 31	7 19	6 19
T 6	22 1	23 37	3 17	22 32	1 48	21 15	1 20	3 47	2 51	20 29	0 34	16 47	2 1	23 47	0 16	8 52	1 6	24 35	2 14	7 54	7 45	27 30	7 19	6 19
F 7	21 52	26 24	4 0	22 8	1 49	20 59	1 21	4 0	2 51	20 26	0 34	16 47	2 1	23 47	0 16	8 51	1 6	24 36	2 14	7 51	7 44	27 29	7 20	6 19
S 8	21 43	27 58	4 32	21 42	1 48	20 43	1 22	4 13	2 52	20 23	0 34	16 47	2 0	23 46	0 16	8 51	1 6	24 36	2 14	7 47	7 43	27 28	7 21	6 19
S 9	21 34	28 13	4 52	21 14	1 47	20 26	1 23	4 25	2 52	20 20	0 35	16 47	2 0	23 46	0 16	8 50	1 6	24 36	2 14	7 43	7 42	27 27	7 21	6 20
M10	21 24	27 11	4 59	20 45	1 45	20 9	1 23	4 38	2 53	20 17	0 35	16 47	2 0	23 46	0 16	8 49	1 6	24 36	2 14	7 37	7 40	27 26	7 22	6 20
T 11	21 14	24 55	4 54	20 14	1 43	19 51	1 24	4 51	2 54	20 15	0 35	16 47	2 0	23 46	0 16	8 49	1 6	24 37	2 14	7 32	7 39	27 26	7 23	6 20
W12	21 3	21 34	4 35	19 42	1 40	19 32	1 25	5 3	2 54	20 12	0 35	16 47	1 59	23 46	0 16	8 48	1 6	24 37	2 14	7 27	7 38	27 25	7 23	6 20
T 13	20 52	17 19	4 5	19 9	1 37	19 13	1 26	5 16	2 55	20 9	0 35	16 47	1 59	23 46	0 16	8 47	1 6	24 37	2 14	7 23	7 37	27 24	7 24	6 20
F 14	20 41	12 21	3 23	18 34	1 33	18 54	1 26	5 28	2 55	20 6	0 35	16 47	1 59	23 46	0 16	8 47	1 6	24 38	2 14	7 19	7 36	27 23	7 25	6 20
S 15	20 29	6 52	2 31	17 59	1 29	18 33	1 27	5 40	2 56	20 3	0 35	16 47	1 59	23 46	0 16	8 46	1 6	24 38	2 14	7 17	7 34	27 22	7 25	6 20
S 16	20 17	1 2	1 31	17 23	1 24	18 13	1 27	5 52	2 56	20 0	0 35	16 47	1 58	23 46	0 16	8 45	1 6	24 38	2 14	7 16	7 33	27 21	7 26	6 21
M17	20 5	4s58	0 26	16 47	1 19	17 51	1 28	6 4	2 56	19 57	0 35	16 47	1 58	23 46	0 16	8 45	1 6	24 38	2 15	7 16	7 32	27 20	7 27	6 21
T 18	19 52	10 54	0s42	16 10	1 13	17 30	1 28	6 15	2 57	19 54	0 35	16 47	1 58	23 46	0 16	8 44	1 6	24 39	2 15	7 16	7 31	27 19	7 28	6 21
W19	19 39	16 32	1 50	15 32	1 8	17 8	1 28	6 27	2 57	19 50	0 35	16 47	1 58	23 46	0 16	8 43	1 6	24 39	2 15	7 16	7 30	27 18	7 28	6 21
T 20	19 26	21 31	2 54	14 54	1 1	16 45	1 29	6 38	2 58	19 47	0 35	16 48	1 58	23 46	0 16	8 43	1 6	24 39	2 15	7 15	7 28	27 17	7 29	6 21
F 21	19 13	25 27	3 49	14 15	0 55	16 22	1 29	6 50	2 58	19 44	0 35	16 48	1 57	23 46	0 16	8 42	1 6	24 39	2 15	7 14	7 27	27 16	7 30	6 21
S 22	18 59	27 50	4 32	13 36	0 48	15 58	1 29	7 1	2 59	19 41	0 36	16 48	1 57	23 46	0 16	8 41	1 6	24 40	2 15	7 12	7 26	27 15	7 31	6 21
S 23	18 44	28 16	4 56	12 57	0 40	15 34	1 29	7 12	2 59	19 38	0 36	16 48	1 57	23 46	0 16	8 40	1 6	24 40	2 15	7 9	7 25	27 14	7 32	6 21
M24	18 30	26 36	5 1	12 18	0 33	15 10	1 29	7 22	2 59	19 35	0 36	16 49	1 57	23 45	0 16	8 40	1 6	24 40	2 15	7 5	7 23	27 13	7 32	6 21
T 25	18 15	22 59	4 44	11 38	0 25	14 45	1 29	7 33	3 0	19 32	0 36	16 49	1 56	23 45	0 16	8 39	1 6	24 40	2 15	7 1	7 22	27 12	7 33	6 21
W26	18 0	17 51	4 7	10 59	0 17	14 20	1 29	7 44	3 0	19 29	0 36	16 49	1 56	23 45	0 16	8 38	1 6	24 40	2 15	6 58	7 21	27 11	7 34	6 21
T 27	17 44	11 43	3 14	10 19	0 9	13 55	1 28	7 54	3 0	19 25	0 36	16 50	1 56	23 45	0 16	8 37	1 6	24 41	2 15	6 55	7 20	27 10	7 35	6 22
F 28	17 29	5 7	2 10	9 40	0 0	13 29	1 28	8 4	3 0	19 22	0 36	16 50	1 56	23 45	0 16	8 37	1 6	24 41	2 15	6 53	7 19	27 9	7 36	6 22
S 29	17 13	1n32	1 0	9 1	0s 9	13 2	1 28	8 14	3 1	19 19	0 36	16 50	1 55	23 45	0 16	8 36	1 6	24 41	2 15	6 52	7 17	27 8	7 37	6 22
S 30	16 56	7 53	0n12	8 22	0 17	12 36	1 27	8 24	3 1	19 16	0 36	16 51	1 55	23 45	0 16	8 35	1 6	24 41	2 15	6 52	7 16	27 7	7 38	6 22
M31	16n40	13n42	1n20	7n43	0s27	12n 9	1n27	8n34	3s 1	19n13	0n36	16s51	1n55	23n45	0n16	8n34	1n 6	24s42	2s15	6n52	7n15	27n 6	7s39	6n22

Julian Day Number = 2188393.5, Delta T = 10m56s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'31, Lahiri = 13°48'32 Julian Calendar 1 July 1279 == Greg. Calendar 8 July 1279

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

AUGUST 1279 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 5 50	15♌ 4'38	15♉20	10♍35	3♍15	0♉ 6	7♌ 7	23♏28	3♋56	10♍48	16°R57	17°R26	18♈22	20♋17	23°R43	T 1
W 2	21 9 46	16° 2'23	27°41	11°53	4°29	0°34	7°20	23°29	3°59	10°50	16♑55	17♈25	18°19	20°24	23♒40	W 2
T 3	21 13 43	17° 0'10	9♊48	13° 8	5°42	1° 1	7°33	23°30	4° 2	10°52	16°54	17°23	18°16	20°30	23°37	T 3
F 4	21 17 39	17°57'59	21°46	14°22	6°56	1°28	7°46	23°31	4° 5	10°54	16°53	17°18	18°13	20°37	23°34	F 4
S 5	21 21 36	18°55'49	3♋39	15°33	8°10	1°54	7°59	23°32	4° 7	10°56	16°52	17°11	18°10	20°44	23°31	S 5
S 6	21 25 32	19°53'41	15°30	16°43	9°24	2°20	8°12	23°34	4°10	10°58	16°51	17° 1	18° 6	20°50	23°28	S 6
M 7	21 29 29	20°51'35	27°23	17°50	10°38	2°45	8°25	23°35	4°13	11° 0	16°49	16°51	18° 3	20°57	23°25	M 7
T 8	21 33 26	21°49'30	9♌19	18°55	11°51	3°10	8°38	23°37	4°16	11° 2	16°48	16°40	18° 0	21° 4	23°22	T 8
W 9	21 37 22	22°47'27	21°19	19°58	13° 5	3°34	8°51	23°39	4°18	11° 4	16°47	16°30	17°57	21°11	23°19	W 9
T 10	21 41 19	23°45'25	3♍26	20°58	14°19	3°58	9° 4	23°41	4°21	11° 6	16°46	16°22	17°54	21°17	23°16	T 10
F 11	21 45 15	24°43'25	15°40	21°56	15°33	4°21	9°17	23°43	4°24	11° 9	16°45	16°16	17°51	21°24	23°13	F 11
S 12	21 49 12	25°41'27	28° 3	22°50	16°46	4°44	9°30	23°45	4°26	11°11	16°44	16°12	17°47	21°31	23°10	S 12
S 13	21 53 8	26°39'30	10♎37	23°42	18° 0	5° 7	9°43	23°47	4°29	11°13	16°43	16°D10	17°44	21°37	23° 7	S 13
M14	21 57 5	27°37'34	23°23	24°31	19°14	5°28	9°56	23°49	4°31	11°15	16°42	16°10	17°41	21°44	23° 4	M14
T 15	22 1 1	28°35'40	6♏25	25°16	20°28	5°50	10° 9	23°51	4°34	11°17	16°41	16°11	17°38	21°51	23° 1	T 15
W16	22 4 58	29°33'48	19°44	25°58	21°41	6°10	10°22	23°54	4°36	11°19	16°40	16°12	17°35	21°58	22°58	W16
T 17	22 8 55	0♍31'57	3♐24	26°36	22°55	6°30	10°34	23°56	4°39	11°22	16°39	16°R12	17°31	22° 4	22°55	T 17
F 18	22 12 51	1°30'07	17°24	27°10	24° 9	6°50	10°47	23°59	4°41	11°24	16°38	16°11	17°28	22°11	22°52	F 18
S 19	22 16 48	2°28'19	1♑46	27°40	25°22	7° 9	11° 0	24° 1	4°43	11°26	16°37	16° 8	17°25	22°18	22°49	S 19
S 20	22 20 44	3°26'32	16°26	28° 5	26°36	7°27	11°12	24° 4	4°45	11°28	16°36	16° 4	17°22	22°25	22°46	S 20
M21	22 24 41	4°24'47	1♒18	28°25	27°50	7°45	11°25	24° 7	4°48	11°31	16°36	15°58	17°19	22°31	22°43	M21
T 22	22 28 37	5°23'04	16°16	28°40	29° 3	8° 2	11°38	24°10	4°50	11°33	16°35	15°52	17°16	22°38	22°40	T 22
W23	22 32 34	6°21'22	1♓11	28°49	0♎17	8°19	11°50	24°13	4°52	11°35	16°34	15°46	17°12	22°45	22°38	W23
T 24	22 36 30	7°19'42	15°53	28°R53	1°31	8°35	12° 3	24°16	4°54	11°37	16°33	15°42	17° 9	22°51	22°35	T 24
F 25	22 40 27	8°18'04	0♈16	28°50	2°44	8°50	12°15	24°19	4°56	11°39	16°32	15°39	17° 6	22°58	22°32	F 25
S 26	22 44 24	9°16'28	14°15	28°41	3°58	9° 4	12°28	24°23	4°58	11°42	16°32	15°D38	17° 3	23° 5	22°29	S 26
S 27	22 48 20	10°14'54	27°48	28°25	5°11	9°18	12°40	24°26	5° 0	11°44	16°31	15°39	17° 0	23°12	22°26	S 27
M28	22 52 17	11°13'22	10♉55	28° 2	6°25	9°31	12°52	24°29	5° 2	11°46	16°30	15°40	16°56	23°18	22°23	M28
T 29	22 56 13	12°11'52	23°39	27°33	7°39	9°44	13° 5	24°33	5° 4	11°48	16°29	15°42	16°53	23°25	22°21	T 29
W30	23 0 10	13°10'25	6♊ 4	26°56	8°52	9°55	13°17	24°36	5° 6	11°51	16°29	15°43	16°50	23°32	22°18	W30
T 31	23 4 6	14♍ 9'00	18♊13	26♍14	10♎ 6	10♉ 6	13♌29	24♏40	5♋ 8	11♍53	16♑28	15°R43	16♈47	23♋39	22♒15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n23	18n47	2n23	7n 5	0s36	11n41	1n26	8n44	3s 1	19n 9	0n36	16s52	1n55	23n45	0n16	8n34	1n 6	24s42	2s16	6n52	7n14	27n 5	7s40	6n22
W 2	16 6	22 55	3 17	6 26	0 45	11 14	1 25	8 53	3 1	19 6	0 36	16 52	1 54	23 45	0 16	8 33	1 6	24 42	2 16	6 52	7 13	27 4	7 40	6 22
T 3	15 48	26 0	4 2	5 49	0 54	10 46	1 25	9 2	3 2	19 3	0 37	16 53	1 54	23 45	0 16	8 32	1 6	24 42	2 16	6 51	7 11	27 3	7 41	6 22
F 4	15 30	27 51	4 35	5 12	1 4	10 18	1 24	9 11	3 2	18 59	0 37	16 53	1 54	23 45	0 16	8 31	1 6	24 42	2 16	6 49	7 10	27 2	7 42	6 22
S 5	15 13	28 25	4 56	4 35	1 14	9 49	1 23	9 20	3 2	18 56	0 37	16 54	1 54	23 45	0 16	8 30	1 6	24 43	2 16	6 46	7 9	27 0	7 43	6 22
S 6	14 54	27 40	5 4	3 59	1 23	9 21	1 22	9 29	3 2	18 53	0 37	16 55	1 53	23 45	0 16	8 30	1 6	24 43	2 16	6 43	7 8	26 59	7 44	6 22
M 7	14 36	25 39	4 59	3 24	1 33	8 52	1 21	9 38	3 2	18 50	0 37	16 55	1 53	23 45	0 16	8 29	1 5	24 43	2 16	6 39	7 7	26 58	7 45	6 22
T 8	14 17	22 31	4 41	2 49	1 43	8 22	1 20	9 46	3 2	18 46	0 37	16 56	1 53	23 44	0 16	8 28	1 5	24 43	2 16	6 35	7 5	26 57	7 46	6 22
W 9	13 58	18 24	4 11	2 16	1 53	7 53	1 19	9 54	3 2	18 43	0 37	16 56	1 53	23 44	0 17	8 27	1 5	24 43	2 16	6 31	7 4	26 56	7 47	6 22
T 10	13 39	13 31	3 28	1 43	2 2	7 23	1 18	10 2	3 2	18 40	0 37	16 57	1 52	23 44	0 17	8 26	1 5	24 44	2 16	6 28	7 3	26 55	7 48	6 22
F 11	13 20	8 4	2 36	1 11	2 12	6 54	1 16	10 10	3 2	18 36	0 37	16 58	1 52	23 44	0 17	8 25	1 5	24 44	2 16	6 25	7 2	26 54	7 49	6 21
S 12	13 0	2 14	1 36	0 41	2 22	6 24	1 15	10 18	3 2	18 33	0 37	16 59	1 52	23 44	0 17	8 25	1 5	24 44	2 16	6 24	7 0	26 53	7 50	6 21
S 13	12 41	3s46	0 30	0 12	2 31	5 53	1 14	10 25	3 2	18 29	0 38	16 59	1 52	23 44	0 17	8 24	1 5	24 44	2 16	6 23	6 59	26 51	7 51	6 21
M14	12 21	9 43	0s39	0s16	2 41	5 23	1 12	10 33	3 2	18 26	0 38	17 0	1 51	23 44	0 17	8 23	1 5	24 44	2 16	6 23	6 58	26 50	7 52	6 21
T 15	12 1	15 24	1 47	0 43	2 50	4 53	1 11	10 40	3 2	18 23	0 38	17 1	1 51	23 44	0 17	8 22	1 5	24 44	2 16	6 23	6 57	26 49	7 53	6 21
W16	11 40	20 29	2 51	1 8	2 59	4 22	1 9	10 47	3 1	18 19	0 38	17 2	1 51	23 44	0 17	8 21	1 5	24 45	2 16	6 24	6 56	26 48	7 54	6 21
T 17	11 20	24 38	3 47	1 31	3 8	3 51	1 7	10 53	3 1	18 16	0 38	17 3	1 51	23 44	0 17	8 20	1 5	24 45	2 16	6 24	6 54	26 47	7 56	6 21
F 18	10 59	27 26	4 31	1 52	3 17	3 20	1 6	11 0	3 1	18 13	0 38	17 3	1 51	23 44	0 17	8 20	1 5	24 45	2 16	6 24	6 53	26 45	7 57	6 21
S 19	10 38	28 31	4 59	2 12	3 25	2 49	1 4	11 6	3 1	18 9	0 38	17 4	1 50	23 44	0 17	8 19	1 5	24 45	2 16	6 22	6 52	26 44	7 58	6 21
S 20	10 17	27 38	5 9	2 29	3 32	2 18	1 2	11 13	3 0	18 6	0 38	17 5	1 50	23 44	0 17	8 18	1 6	24 45	2 16	6 21	6 51	26 43	7 59	6 21
M21	9 56	24 47	4 58	2 43	3 40	1 47	1 0	11 19	3 0	18 2	0 39	17 6	1 50	23 44	0 17	8 17	1 6	24 45	2 16	6 18	6 49	26 42	8 0	6 21
T 22	9 34	20 16	4 27	2 55	3 46	1 16	0 58	11 24	3 0	17 59	0 39	17 7	1 50	23 44	0 17	8 16	1 6	24 46	2 17	6 16	6 48	26 41	8 1	6 20
W23	9 13	14 29	3 38	3 4	3 52	0 45	0 56	11 30	2 59	17 56	0 39	17 8	1 49	23 44	0 17	8 15	1 6	24 46	2 17	6 14	6 47	26 39	8 2	6 20
T 24	8 51	7 57	2 34	3 11	3 57	0 14	0 54	11 36	2 59	17 52	0 39	17 9	1 49	23 43	0 17	8 15	1 6	24 46	2 17	6 12	6 46	26 38	8 3	6 20
F 25	8 29	1 9	1 23	3 13	4 1	0s18	0 52	11 41	2 58	17 49	0 39	17 10	1 49	23 43	0 17	8 14	1 6	24 46	2 17	6 11	6 45	26 37	8 4	6 20
S 26	8 7	5n32	0 8	3 13	4 5	0 49	0 50	11 46	2 58	17 45	0 39	17 11	1 49	23 43	0 17	8 13	1 6	24 46	2 17	6 11	6 43	26 36	8 5	6 20
S 27	7 45	11 46	1n 6	3 8	4 7	1 20	0 48	11 51	2 57	17 42	0 39	17 12	1 49	23 43	0 17	8 12	1 6	24 46	2 17	6 11	6 42	26 34	8 6	6 20
M28	7 23	17 17	2 13	3 0	4 7	1 52	0 46	11 56	2 57	17 39	0 39	17 13	1 48	23 43	0 17	8 11	1 6	24 46	2 17	6 11	6 41	26 33	8 7	6 19
T 29	7 1	21 52	3 12	2 47	4 6	2 23	0 43	12 0	2 56	17 35	0 39	17 14	1 48	23 43	0 17	8 10	1 6	24 46	2 17	6 12	6 40	26 32	8 8	6 19
W30	6 38	25 21	4 1	2 31	4 4	2 54	0 41	12 4	2 55	17 32	0 40	17 15	1 48	23 43	0 17	8 9	1 6	24 47	2 17	6 13	6 38	26 30	8 9	6 19
T 31	6n16	27n37	4n37	2s10	4s 0	3s25	0n39	12n 8	2s55	17n29	0n40	17s16	1n48	23n43	0n17	8n 9	1n 6	24s47	2s17	6n13	6n37	26n29	8s10	6n19

Julian Day Number = 2188424.5, Delta T = 10m56s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'36, Lahiri = 13°48'36 Julian Calendar 1 Aug. 1279 == Greg. Calendar 8 Aug. 1279

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

SEPTEMBER 1279 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 8 3	15♍ 7'37	0♋12	25°R25	11♎19	10♉16	13♌41	24♏44	5♋ 9	11♍55	16°R28	15°R42	16♈44	23♋45	22°R13	F 1
S 2	23 11 59	16° 6'16	12° 5	24♍30	12°33	10°26	13°53	24°48	5°11	11°57	16♑27	15♈39	16°41	23°52	22♒10	S 2
S 3	23 15 56	17° 4'58	23°57	23°31	13°46	10°34	14° 5	24°52	5°13	11°59	16°27	15°36	16°37	23°59	22° 7	S 3
M 4	23 19 53	18° 3'42	5♌52	22°29	15° 0	10°42	14°17	24°56	5°14	12° 2	16°26	15°31	16°34	24° 5	22° 5	M 4
T 5	23 23 49	19° 2'27	17°52	21°24	16°13	10°49	14°29	25° 0	5°16	12° 4	16°26	15°27	16°31	24°12	22° 2	T 5
W 6	23 27 46	20° 1'15	29°59	20°18	17°27	10°55	14°41	25° 4	5°18	12° 6	16°25	15°22	16°28	24°19	22° 0	W 6
T 7	23 31 42	21° 0'05	12♍17	19°14	18°40	11° 0	14°53	25° 8	5°19	12° 8	16°25	15°19	16°25	24°26	21°57	T 7
F 8	23 35 39	21°58'58	24°46	18°11	19°54	11° 5	15° 5	25°12	5°20	12°11	16°24	15°16	16°22	24°32	21°55	F 8
S 9	23 39 35	22°57'52	7♎26	17°13	21° 7	11° 8	15°17	25°17	5°22	12°13	16°24	15°15	16°18	24°39	21°52	S 9
S 10	23 43 32	23°56'48	20°19	16°21	22°20	11°11	15°28	25°21	5°23	12°15	16°23	15°D15	16°15	24°46	21°50	S 10
M11	23 47 28	24°55'46	3♏25	15°35	23°34	11°13	15°40	25°26	5°24	12°17	16°23	15°15	16°12	24°52	21°47	M11
T 12	23 51 25	25°54'46	16°43	14°58	24°47	11°14	15°51	25°30	5°26	12°19	16°23	15°17	16° 9	24°59	21°45	T 12
W13	23 55 21	26°53'48	0♐15	14°30	26° 1	11°R14	16° 3	25°35	5°27	12°22	16°23	15°18	16° 6	25° 6	21°43	W13
T 14	23 59 18	27°52'51	14° 1	14°12	27°14	11°13	16°14	25°40	5°28	12°24	16°22	15°19	16° 2	25°13	21°41	T 14
F 15	0 3 15	28°51'57	27°59	14°D 5	28°27	11°11	16°25	25°45	5°29	12°26	16°22	15°R20	15°59	25°19	21°38	F 15
S 16	0 7 11	29°51'04	12♑11	14° 8	29°41	11° 8	16°36	25°49	5°30	12°28	16°22	15°19	15°56	25°26	21°36	S 16
S 17	0 11 8	0♎50'13	26°32	14°21	0♏54	11° 5	16°48	25°54	5°31	12°30	16°22	15°18	15°53	25°33	21°34	S 17
M18	0 15 4	1°49'24	11♒ 1	14°45	2° 7	11° 1	16°59	25°59	5°32	12°32	16°22	15°17	15°50	25°40	21°32	M18
T 19	0 19 1	2°48'37	25°32	15°18	3°20	10°55	17°10	26° 4	5°33	12°34	16°21	15°15	15°47	25°46	21°30	T 19
W20	0 22 57	3°47'51	10♓ 0	16° 0	4°34	10°49	17°21	26°10	5°34	12°37	16°21	15°14	15°43	25°53	21°28	W20
T 21	0 26 54	4°47'07	24°20	16°51	5°47	10°42	17°31	26°15	5°34	12°39	16°21	15°13	15°40	26° 0	21°26	T 21
F 22	0 30 50	5°46'25	8♈25	17°49	7° 0	10°34	17°42	26°20	5°35	12°41	16°D21	15°D12	15°37	26° 6	21°24	F 22
S 23	0 34 47	6°45'46	22°14	18°55	8°13	10°25	17°53	26°25	5°36	12°43	16°21	15°12	15°34	26°13	21°22	S 23
S 24	0 38 44	7°45'08	5♉41	20° 6	9°26	10°16	18° 3	26°31	5°36	12°45	16°21	15°12	15°31	26°20	21°21	S 24
M25	0 42 40	8°44'33	18°47	21°23	10°39	10° 5	18°14	26°36	5°37	12°47	16°21	15°13	15°28	26°27	21°19	M25
T 26	0 46 37	9°44'00	1♊32	22°44	11°53	9°54	18°24	26°42	5°37	12°49	16°22	15°14	15°24	26°33	21°17	T 26
W27	0 50 33	10°43'30	13°59	24°10	13° 6	9°42	18°34	26°47	5°38	12°51	16°22	15°14	15°21	26°40	21°16	W27
T 28	0 54 30	11°43'02	26°11	25°39	14°19	9°29	18°45	26°53	5°38	12°53	16°22	15°15	15°18	26°47	21°14	T 28
F 29	0 58 26	12°42'36	8♋12	27°11	15°32	9°15	18°55	26°58	5°38	12°55	16°22	15°R15	15°15	26°53	21°12	F 29
S 30	1 2 23	13♎42'12	20♋ 7	28♍45	16♏45	9♉ 1	19♌ 5	27♏ 4	5♋39	12♍57	16♑22	15♈15	15♈12	27♋ 0	21♒11	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n53	28n33	5n 1	1s45	3s54	3s56	0n36	12n12	2s54	17n25	0n40	17s17	1n47	23n43	0n17	8n 8	1n 6	24s47	2s17	6n12	6n36	26n28	8s11	6n19
S 2	5 30	28 9	5 12	1 16	3 46	4 28	0 34	12 16	2 53	17 22	0 40	17 19	1 47	23 43	0 17	8 7	1 6	24 47	2 17	6 11	6 35	26 27	8 12	6 18
S 3	5 7	26 28	5 9	0 44	3 37	4 59	0 31	12 19	2 52	17 18	0 40	17 20	1 47	23 43	0 17	8 6	1 6	24 47	2 17	6 10	6 34	26 25	8 13	6 18
M 4	4 44	23 37	4 53	0 8	3 25	5 29	0 29	12 23	2 51	17 15	0 40	17 21	1 47	23 43	0 17	8 5	1 6	24 47	2 17	6 8	6 32	26 24	8 14	6 18
T 5	4 21	19 44	4 24	0n30	3 11	6 0	0 26	12 26	2 50	17 12	0 40	17 22	1 47	23 43	0 17	8 4	1 6	24 47	2 17	6 6	6 31	26 23	8 15	6 18
W 6	3 58	15 0	3 43	1 10	2 56	6 31	0 23	12 29	2 49	17 8	0 41	17 23	1 46	23 43	0 17	8 4	1 6	24 47	2 17	6 5	6 30	26 21	8 16	6 18
T 7	3 35	9 37	2 51	1 51	2 39	7 2	0 21	12 31	2 48	17 5	0 41	17 24	1 46	23 43	0 17	8 3	1 6	24 47	2 17	6 3	6 29	26 20	8 17	6 17
F 8	3 12	3 46	1 50	2 32	2 21	7 32	0 18	12 34	2 47	17 2	0 41	17 26	1 46	23 43	0 17	8 2	1 6	24 47	2 17	6 2	6 27	26 19	8 18	6 17
S 9	2 48	2s19	0 43	3 12	2 2	8 2	0 15	12 36	2 46	16 58	0 41	17 27	1 46	23 43	0 17	8 1	1 6	24 47	2 17	6 2	6 26	26 17	8 19	6 17
S 10	2 25	8 24	0s28	3 51	1 42	8 32	0 12	12 38	2 45	16 55	0 41	17 28	1 46	23 43	0 17	8 0	1 6	24 48	2 17	6 2	6 25	26 16	8 20	6 17
M11	2 1	14 15	1 38	4 27	1 21	9 2	0 10	12 40	2 44	16 52	0 41	17 29	1 45	23 43	0 17	7 59	1 6	24 48	2 17	6 2	6 24	26 14	8 21	6 16
T 12	1 38	19 32	2 45	5 0	1 1	9 32	0 7	12 41	2 42	16 48	0 41	17 31	1 45	23 43	0 17	7 59	1 6	24 48	2 17	6 2	6 23	26 13	8 22	6 16
W13	1 14	23 55	3 43	5 29	0 41	10 2	0 4	12 42	2 41	16 45	0 42	17 32	1 45	23 43	0 17	7 58	1 6	24 48	2 17	6 3	6 21	26 12	8 23	6 16
T 14	0 51	27 2	4 30	5 54	0 22	10 31	0 1	12 44	2 39	16 42	0 42	17 33	1 45	23 43	0 17	7 57	1 6	24 48	2 17	6 3	6 20	26 10	8 24	6 15
F 15	0 27	28 33	5 1	6 14	0 4	11 0	0s 2	12 44	2 38	16 39	0 42	17 35	1 45	23 43	0 17	7 56	1 6	24 48	2 17	6 3	6 19	26 9	8 25	6 15
S 16	0 4	28 12	5 15	6 29	0n14	11 29	0 5	12 45	2 36	16 35	0 42	17 36	1 44	23 43	0 17	7 55	1 6	24 48	2 17	6 3	6 18	26 7	8 26	6 15
S 17	0s20	26 0	5 10	6 39	0 30	11 57	0 8	12 46	2 35	16 32	0 42	17 37	1 44	23 43	0 17	7 55	1 6	24 48	2 17	6 3	6 16	26 6	8 27	6 15
M18	0 44	22 6	4 45	6 43	0 45	12 26	0 11	12 46	2 33	16 29	0 42	17 39	1 44	23 43	0 17	7 54	1 6	24 48	2 17	6 2	6 15	26 5	8 28	6 14
T 19	1 7	16 51	4 1	6 43	0 58	12 54	0 14	12 46	2 31	16 26	0 43	17 40	1 44	23 43	0 17	7 53	1 6	24 48	2 17	6 2	6 14	26 3	8 29	6 14
W20	1 31	10 40	3 3	6 37	1 10	13 21	0 17	12 46	2 29	16 23	0 43	17 41	1 44	23 43	0 17	7 52	1 6	24 48	2 17	6 1	6 13	26 2	8 30	6 14
T 21	1 55	3 59	1 53	6 27	1 21	13 49	0 20	12 46	2 27	16 19	0 43	17 43	1 44	23 43	0 17	7 51	1 6	24 48	2 17	6 1	6 12	26 0	8 31	6 13
F 22	2 18	2n47	0 37	6 13	1 30	14 16	0 23	12 45	2 25	16 16	0 43	17 44	1 43	23 43	0 18	7 51	1 6	24 48	2 17	6 1	6 10	25 59	8 32	6 13
S 23	2 42	9 17	0n39	5 55	1 38	14 43	0 26	12 44	2 23	16 13	0 43	17 46	1 43	23 43	0 18	7 50	1 6	24 48	2 17	6 1	6 9	25 57	8 33	6 13
S 24	3 5	15 13	1 51	5 32	1 45	15 9	0 29	12 43	2 21	16 10	0 43	17 47	1 43	23 43	0 18	7 49	1 6	24 48	2 17	6 1	6 8	25 56	8 34	6 12
M25	3 29	20 17	2 55	5 7	1 50	15 35	0 32	12 42	2 19	16 7	0 44	17 48	1 43	23 43	0 18	7 48	1 6	24 48	2 17	6 1	6 7	25 54	8 34	6 12
T 26	3 52	24 18	3 49	4 38	1 54	16 1	0 35	12 41	2 17	16 4	0 44	17 50	1 43	23 43	0 18	7 47	1 6	24 48	2 17	6 1	6 5	25 53	8 35	6 12
W27	4 16	27 3	4 31	4 7	1 57	16 26	0 38	12 39	2 14	16 1	0 44	17 51	1 43	23 43	0 18	7 47	1 6	24 48	2 17	6 1	6 4	25 51	8 36	6 11
T 28	4 39	28 28	5 0	3 33	1 59	16 51	0 41	12 37	2 12	15 58	0 44	17 53	1 42	23 43	0 18	7 46	1 6	24 48	2 18	6 2	6 3	25 50	8 37	6 11
F 29	5 2	28 31	5 15	2 58	2 0	17 15	0 44	12 36	2 9	15 55	0 44	17 54	1 42	23 43	0 18	7 45	1 6	24 48	2 18	6 2	6 2	25 48	8 38	6 11
S 30	5s26	27n14	5n16	2n20	2n 0	17s40	0s47	12n33	2s 7	15n52	0n44	17s56	1n42	23n43	0n18	7n44	1n 6	24s48	2s18	6n 2	6n 0	25n47	8s39	6n10

Julian Day Number = 2188455.5, Delta T = 10m56s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'40, Lahiri = 13°48'40 Julian Calendar 1 Sept. 1279 == Greg. Calendar 8 Sept. 1279

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

OCTOBER 1279 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 6 19	14♎41'51	1♌59	0♎21	17♏58	8°R46	19♌15	27♏10	5♋39	12♍59	16♑23	15°R15	15♈ 8	27♋ 7	21°R10	S 1
M 2	1 10 16	15°41'32	13°54	1°59	19°11	8♉30	19°25	27°16	5°39	13° 1	16°23	15°D15	15° 5	27°14	21♒ 8	M 2
T 3	1 14 13	16°41'15	25°57	3°37	20°24	8°13	19°34	27°22	5°39	13° 3	16°23	15♈15	15° 2	27°20	21° 7	T 3
W 4	1 18 9	17°41'00	8♍10	5°17	21°37	7°56	19°44	27°28	5°39	13° 5	16°23	15°15	14°59	27°27	21° 6	W 4
T 5	1 22 6	18°40'48	20°36	6°57	22°50	7°38	19°53	27°33	5°R39	13° 7	16°24	15°15	14°56	27°34	21° 4	T 5
F 6	1 26 2	19°40'37	3♎19	8°38	24° 3	7°20	20° 3	27°40	5°39	13° 9	16°24	15°16	14°53	27°40	21° 3	F 6
S 7	1 29 59	20°40'29	16°18	10°19	25°15	7° 1	20°12	27°46	5°39	13°10	16°25	15°R16	14°49	27°47	21° 2	S 7
S 8	1 33 55	21°40'23	29°34	12° 0	26°28	6°41	20°21	27°52	5°39	13°12	16°25	15°16	14°46	27°54	21° 1	S 8
M 9	1 37 52	22°40'19	13♏ 5	13°41	27°41	6°22	20°30	27°58	5°39	13°14	16°26	15°15	14°43	28° 1	21° 0	M 9
T 10	1 41 48	23°40'16	26°50	15°22	28°54	6° 1	20°39	28° 4	5°38	13°16	16°26	15°14	14°40	28° 7	20°59	T 10
W11	1 45 45	24°40'16	10♐46	17° 3	0♐ 7	5°41	20°48	28°10	5°38	13°18	16°27	15°13	14°37	28°14	20°58	W11
T 12	1 49 42	25°40'17	24°50	18°44	1°19	5°20	20°57	28°17	5°38	13°20	16°27	15°12	14°33	28°21	20°58	T 12
F 13	1 53 38	26°40'20	8♑59	20°24	2°32	4°59	21° 5	28°23	5°37	13°21	16°28	15°11	14°30	28°28	20°57	F 13
S 14	1 57 35	27°40'24	23°11	22° 4	3°45	4°38	21°14	28°29	5°37	13°23	16°28	15°D10	14°27	28°34	20°56	S 14
S 15	2 1 31	28°40'30	7♒23	23°44	4°57	4°16	21°22	28°36	5°36	13°25	16°29	15°10	14°24	28°41	20°55	S 15
M16	2 5 28	29°40'38	21°32	25°23	6°10	3°55	21°30	28°42	5°36	13°26	16°30	15°11	14°21	28°48	20°55	M16
T 17	2 9 24	0♏40'47	5♓38	27° 2	7°23	3°34	21°39	28°49	5°35	13°28	16°30	15°12	14°18	28°54	20°54	T 17
W18	2 13 21	1°40'58	19°37	28°40	8°35	3°12	21°46	28°55	5°34	13°30	16°31	15°13	14°14	29° 1	20°54	W18
T 19	2 17 17	2°41'10	3♈28	0♏18	9°48	2°51	21°54	29° 2	5°34	13°31	16°32	15°14	14°11	29° 8	20°54	T 19
F 20	2 21 14	3°41'24	17° 8	1°56	11° 0	2°30	22° 2	29° 8	5°33	13°33	16°33	15°R15	14° 8	29°15	20°53	F 20
S 21	2 25 11	4°41'39	0♉35	3°33	12°13	2° 9	22°10	29°15	5°32	13°34	16°34	15°14	14° 5	29°21	20°53	S 21
S 22	2 29 7	5°41'57	13°47	5°10	13°25	1°48	22°17	29°22	5°31	13°36	16°34	15°12	14° 2	29°28	20°53	S 22
M23	2 33 4	6°42'16	26°43	6°47	14°37	1°28	22°24	29°28	5°30	13°37	16°35	15°10	13°59	29°35	20°53	M23
T 24	2 37 0	7°42'37	9♊24	8°23	15°49	1° 7	22°32	29°35	5°29	13°39	16°36	15° 6	13°55	29°41	20°53	T 24
W25	2 40 57	8°43'00	21°49	9°59	17° 2	0°48	22°39	29°42	5°28	13°40	16°37	15° 2	13°52	29°48	20°D53	W25
T 26	2 44 53	9°43'25	4♋ 1	11°34	18°14	0°28	22°45	29°48	5°27	13°42	16°38	14°58	13°49	29°55	20°53	T 26
F 27	2 48 50	10°43'51	16° 2	13° 9	19°26	0° 9	22°52	29°55	5°26	13°43	16°39	14°55	13°46	0♌ 2	20°53	F 27
S 28	2 52 46	11°44'20	27°56	14°44	20°38	29♈51	22°59	0♐ 2	5°25	13°45	16°40	14°53	13°43	0° 8	20°53	S 28
S 29	2 56 43	12°44'50	9♌48	16°19	21°50	29°33	23° 5	0° 9	5°24	13°46	16°41	14°D52	13°39	0°15	20°53	S 29
M30	3 0 40	13°45'23	21°42	17°53	23° 2	29°15	23°11	0°16	5°22	13°47	16°42	14°52	13°36	0°22	20°54	M30
T 31	3 4 36	14♏45'57	3♍43	19♏27	24♐14	28♈59	23♌18	0♐23	5♋21	13♍49	16♑43	14♈53	13♈33	0♌28	20♒54	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s49	24n43	5n 4	1n41	2n 0	18s 3	0s50	12n31	2s 4	15n49	0n45	17s57	1n42	23n43	0n18	7n44	1n 6	24s48	2s18	6n 2	5n59	25n45	8s39	6n10
M 2	6 12	21 9	4 38	1 1	1 58	18 26	0 53	12 29	2 1	15 46	0 45	17 59	1 42	23 43	0 18	7 43	1 6	24 48	2 18	6 2	5 58	25 44	8 40	6 10
T 3	6 35	16 41	4 1	0 20	1 56	18 49	0 56	12 26	1 59	15 43	0 45	18 0	1 42	23 43	0 18	7 42	1 6	24 48	2 18	6 2	5 57	25 42	8 41	6 9
W 4	6 58	11 30	3 11	0s22	1 53	19 11	0 59	12 23	1 56	15 40	0 45	18 2	1 41	23 43	0 18	7 42	1 6	24 48	2 18	6 2	5 56	25 41	8 42	6 9
T 5	7 21	5 46	2 12	1 5	1 50	19 33	1 2	12 20	1 53	15 37	0 45	18 3	1 41	23 43	0 18	7 41	1 6	24 48	2 18	6 2	5 54	25 39	8 42	6 9
F 6	7 44	0s19	1 6	1 48	1 47	19 54	1 5	12 17	1 50	15 35	0 46	18 4	1 41	23 43	0 18	7 40	1 6	24 48	2 18	6 2	5 53	25 37	8 43	6 8
S 7	8 6	6 31	0s 6	2 32	1 43	20 15	1 8	12 13	1 47	15 32	0 46	18 6	1 41	23 43	0 18	7 39	1 6	24 48	2 18	6 2	5 52	25 36	8 44	6 8
S 8	8 29	12 35	1 18	3 16	1 38	20 35	1 11	12 10	1 44	15 29	0 46	18 7	1 41	23 43	0 18	7 39	1 6	24 48	2 18	6 2	5 51	25 34	8 44	6 7
M 9	8 51	18 11	2 28	3 59	1 33	20 55	1 14	12 7	1 41	15 26	0 46	18 9	1 41	23 43	0 18	7 38	1 6	24 48	2 18	6 2	5 49	25 33	8 45	6 7
T 10	9 14	22 56	3 30	4 43	1 28	21 14	1 16	12 3	1 38	15 24	0 46	18 11	1 41	23 43	0 18	7 37	1 6	24 48	2 18	6 1	5 48	25 31	8 46	6 7
W11	9 36	26 27	4 21	5 27	1 23	21 33	1 19	11 59	1 34	15 21	0 47	18 12	1 40	23 43	0 18	7 37	1 7	24 48	2 18	6 1	5 47	25 30	8 46	6 6
T 12	9 58	28 22	4 56	6 11	1 17	21 51	1 22	11 55	1 31	15 19	0 47	18 14	1 40	23 43	0 18	7 36	1 7	24 48	2 18	6 0	5 46	25 28	8 47	6 6
F 13	10 20	28 27	5 14	6 54	1 11	22 8	1 25	11 51	1 28	15 16	0 47	18 15	1 40	23 43	0 18	7 36	1 7	24 48	2 18	6 0	5 44	25 26	8 48	6 5
S 14	10 41	26 41	5 13	7 37	1 5	22 25	1 28	11 47	1 24	15 13	0 47	18 17	1 40	23 43	0 18	7 35	1 7	24 48	2 18	6 0	5 43	25 25	8 48	6 5
S 15	11 3	23 13	4 53	8 20	0 59	22 41	1 30	11 44	1 21	15 11	0 47	18 18	1 40	23 43	0 18	7 34	1 7	24 48	2 18	6 0	5 42	25 23	8 49	6 5
M16	11 24	18 24	4 15	9 2	0 53	22 57	1 33	11 39	1 18	15 8	0 48	18 20	1 40	23 43	0 18	7 34	1 7	24 48	2 18	6 0	5 41	25 21	8 49	6 4
T 17	11 45	12 36	3 22	9 44	0 46	23 12	1 35	11 35	1 14	15 6	0 48	18 21	1 40	23 43	0 18	7 33	1 7	24 47	2 18	6 1	5 39	25 20	8 50	6 4
W18	12 6	6 13	2 17	10 25	0 40	23 26	1 38	11 31	1 11	15 4	0 48	18 23	1 40	23 43	0 18	7 32	1 7	24 47	2 18	6 1	5 38	25 18	8 50	6 3
T 19	12 27	0n24	1 5	11 6	0 33	23 40	1 40	11 27	1 7	15 1	0 48	18 24	1 39	23 43	0 18	7 32	1 7	24 47	2 18	6 2	5 37	25 16	8 51	6 3
F 20	12 48	6 55	0n10	11 47	0 27	23 53	1 43	11 23	1 4	14 59	0 48	18 26	1 39	23 43	0 18	7 31	1 7	24 47	2 18	6 2	5 36	25 15	8 51	6 3
S 21	13 8	13 1	1 24	12 26	0 20	24 5	1 45	11 20	1 0	14 57	0 49	18 27	1 39	23 43	0 18	7 31	1 7	24 47	2 18	6 1	5 35	25 13	8 52	6 2
S 22	13 28	18 26	2 31	13 5	0 13	24 17	1 48	11 16	0 57	14 54	0 49	18 29	1 39	23 43	0 18	7 30	1 7	24 47	2 18	6 1	5 33	25 11	8 52	6 2
M23	13 48	22 53	3 29	13 44	0 7	24 28	1 50	11 12	0 53	14 52	0 49	18 30	1 39	23 43	0 18	7 30	1 7	24 47	2 18	6 0	5 32	25 10	8 53	6 1
T 24	14 8	26 9	4 15	14 21	0s 0	24 38	1 52	11 8	0 50	14 50	0 49	18 32	1 39	23 44	0 18	7 29	1 7	24 47	2 18	5 58	5 31	25 8	8 53	6 1
W25	14 28	28 5	4 48	14 58	0 7	24 48	1 54	11 4	0 46	14 48	0 49	18 33	1 39	23 44	0 18	7 29	1 7	24 47	2 18	5 57	5 30	25 6	8 54	6 1
T 26	14 47	28 36	5 8	15 35	0 13	24 57	1 56	11 1	0 43	14 46	0 50	18 35	1 39	23 44	0 18	7 28	1 7	24 47	2 18	5 55	5 28	25 5	8 54	6 0
F 27	15 6	27 45	5 13	16 10	0 20	25 5	1 58	10 57	0 39	14 44	0 50	18 37	1 39	23 44	0 18	7 28	1 7	24 47	2 18	5 54	5 27	25 3	8 54	6 0
S 28	15 25	25 38	5 5	16 45	0 27	25 12	2 0	10 54	0 36	14 42	0 50	18 38	1 38	23 44	0 18	7 27	1 7	24 46	2 18	5 53	5 26	25 1	8 55	5 59
S 29	15 44	22 26	4 44	17 19	0 33	25 19	2 2	10 51	0 33	14 40	0 50	18 40	1 38	23 44	0 18	7 27	1 7	24 46	2 18	5 53	5 25	25 0	8 55	5 59
M30	16 2	18 17	4 11	17 52	0 39	25 25	2 4	10 48	0 29	14 38	0 51	18 41	1 38	23 44	0 18	7 26	1 7	24 46	2 18	5 53	5 23	24 58	8 55	5 59
T 31	16s20	13n23	3n27	18s24	0s46	25s30	2s 6	10n45	0s26	14n36	0n51	18s43	1n38	23n44	0n18	7n26	1n 7	24s46	2s18	5n53	5n22	24n56	8s55	5n58

Julian Day Number = 2188485.5, Delta T = 10m56s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'44, Lahiri = 13°48'45 Julian Calendar 1 Oct. 1279 == Greg. Calendar 8 Oct. 1279

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

NOVEMBER 1279 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 8 33	15♏46'32	15♍56	21♏ 1	25♐26	28°R42	23♌24	0♐30	5°R20	13♍50	16♑44	14♈55	13♈30	0♌35	20♒54	W 1
T 2	3 12 29	16°47'10	28°26	22°35	26°38	28♈27	23°29	0°36	5♋18	13°51	16°46	14°57	13°27	0°42	20°55	T 2
F 3	3 16 26	17°47'49	11♎15	24° 8	27°50	28°12	23°35	0°43	5°17	13°52	16°47	14°R58	13°24	0°49	20°55	F 3
S 4	3 20 22	18°48'30	24°27	25°42	29° 2	27°58	23°41	0°50	5°15	13°54	16°48	14°58	13°20	0°55	20°56	S 4
S 5	3 24 19	19°49'13	8♏ 2	27°15	0♑13	27°44	23°46	0°57	5°14	13°55	16°49	14°55	13°17	1° 2	20°57	S 5
M 6	3 28 15	20°49'57	21°58	28°48	1°25	27°32	23°51	1° 4	5°12	13°56	16°50	14°52	13°14	1° 9	20°57	M 6
T 7	3 32 12	21°50'42	6♐11	0♐21	2°37	27°20	23°56	1°11	5°10	13°57	16°52	14°46	13°11	1°15	20°58	T 7
W 8	3 36 9	22°51'29	20°37	1°53	3°48	27° 9	24° 1	1°18	5° 9	13°58	16°53	14°40	13° 8	1°22	20°59	W 8
T 9	3 40 5	23°52'17	5♑ 9	3°26	5° 0	26°58	24° 6	1°25	5° 7	13°59	16°54	14°34	13° 5	1°29	21° 0	T 9
F 10	3 44 2	24°53'06	19°41	4°58	6°11	26°49	24°10	1°32	5° 5	14° 0	16°55	14°29	13° 1	1°36	21° 1	F 10
S 11	3 47 58	25°53'56	4♒ 7	6°31	7°22	26°40	24°15	1°39	5° 3	14° 1	16°57	14°25	12°58	1°42	21° 2	S 11
S 12	3 51 55	26°54'47	18°23	8° 3	8°34	26°32	24°19	1°46	5° 2	14° 2	16°58	14°23	12°55	1°49	21° 3	S 12
M13	3 55 51	27°55'39	2♓27	9°35	9°45	26°25	24°23	1°53	5° 0	14° 3	17° 0	14°D23	12°52	1°56	21° 4	M13
T 14	3 59 48	28°56'31	16°18	11° 6	10°56	26°19	24°26	2° 1	4°58	14° 4	17° 1	14°24	12°49	2° 3	21° 5	T 14
W15	4 3 44	29°57'25	29°56	12°38	12° 7	26°14	24°30	2° 8	4°56	14° 5	17° 2	14°25	12°45	2° 9	21° 7	W15
T 16	4 7 41	0♐58'19	13♈21	14° 9	13°18	26° 9	24°34	2°15	4°54	14° 5	17° 4	14°R26	12°42	2°16	21° 8	T 16
F 17	4 11 38	1°59'14	26°35	15°40	14°29	26° 6	24°37	2°22	4°52	14° 6	17° 5	14°25	12°39	2°23	21° 9	F 17
S 18	4 15 34	3° 0'10	9♉37	17°11	15°39	26° 3	24°40	2°29	4°50	14° 7	17° 7	14°22	12°36	2°29	21°11	S 18
S 19	4 19 31	4° 1'07	22°29	18°42	16°50	26° 1	24°43	2°36	4°48	14° 8	17° 8	14°17	12°33	2°36	21°12	S 19
M20	4 23 27	5° 2'05	5♊ 9	20°12	18° 1	25°59	24°46	2°43	4°45	14° 8	17°10	14° 9	12°30	2°43	21°14	M20
T 21	4 27 24	6° 3'03	17°38	21°42	19°11	25°D59	24°48	2°50	4°43	14° 9	17°12	13°59	12°26	2°50	21°16	T 21
W22	4 31 20	7° 4'03	29°55	23°11	20°21	25°59	24°51	2°57	4°41	14°10	17°13	13°49	12°23	2°56	21°17	W22
T 23	4 35 17	8° 5'04	12♋ 3	24°39	21°32	26° 0	24°53	3° 4	4°39	14°10	17°15	13°38	12°20	3° 3	21°19	T 23
F 24	4 39 13	9° 6'06	24° 2	26° 7	22°42	26° 2	24°55	3°11	4°37	14°11	17°16	13°29	12°17	3°10	21°21	F 24
S 25	4 43 10	10° 7'09	5♌55	27°34	23°52	26° 5	24°57	3°18	4°34	14°11	17°18	13°21	12°14	3°16	21°23	S 25
S 26	4 47 7	11° 8'12	17°45	29° 0	25° 2	26° 8	24°58	3°25	4°32	14°12	17°20	13°15	12°11	3°23	21°25	S 26
M27	4 51 3	12° 9'17	29°36	0♑24	26°11	26°13	25° 0	3°32	4°30	14°12	17°21	13°12	12° 7	3°30	21°27	M27
T 28	4 55 0	13°10'22	11♍34	1°47	27°21	26°17	25° 1	3°39	4°27	14°12	17°23	13°D11	12° 4	3°37	21°29	T 28
W29	4 58 56	14°11'29	23°44	3° 9	28°30	26°23	25° 2	3°46	4°25	14°13	17°25	13°12	12° 1	3°43	21°31	W29
T 30	5 2 53	15♐12'36	6♎10	4♑28	29♑40	26♈29	25♌ 3	3♐53	4♋23	14♍13	17♑26	13♈12	11♈58	3♌50	21♒33	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s38	7n54	2n32	18s55	0s52	25s35	2s 7	10n42	0s23	14n35	0n51	18s44	1n38	23n44	0n18	7n25	1n 7	24s46	2s18	5n54	5n21	24n54	8s56	5n58
T 2	16 55	1 59	1 29	19 26	0 58	25 39	2 9	10 40	0 19	14 33	0 51	18 46	1 38	23 44	0 19	7 25	1 7	24 46	2 18	5 55	5 20	24 53	8 56	5 57
F 3	17 12	4s10	0 20	19 55	1 4	25 42	2 11	10 38	0 16	14 31	0 52	18 47	1 38	23 44	0 19	7 24	1 7	24 46	2 18	5 55	5 18	24 51	8 56	5 57
S 4	17 29	10 19	0s52	20 23	1 10	25 44	2 12	10 35	0 13	14 30	0 52	18 49	1 38	23 44	0 19	7 24	1 7	24 46	2 18	5 55	5 17	24 49	8 56	5 57
S 5	17 46	16 10	2 2	20 51	1 16	25 46	2 13	10 34	0 10	14 28	0 52	18 50	1 38	23 44	0 19	7 23	1 7	24 46	2 18	5 54	5 16	24 47	8 57	5 56
M 6	18 2	21 21	3 8	21 17	1 21	25 46	2 15	10 32	0 7	14 27	0 52	18 52	1 38	23 45	0 19	7 23	1 8	24 45	2 18	5 53	5 15	24 45	8 57	5 56
T 7	18 18	25 24	4 3	21 43	1 27	25 46	2 16	10 30	0 4	14 25	0 53	18 53	1 38	23 45	0 19	7 23	1 8	24 45	2 18	5 51	5 13	24 44	8 57	5 55
W 8	18 34	27 54	4 43	22 7	1 32	25 46	2 17	10 29	0 1	14 24	0 53	18 55	1 38	23 45	0 19	7 22	1 8	24 45	2 18	5 48	5 12	24 42	8 57	5 55
T 9	18 49	28 31	5 5	22 31	1 37	25 44	2 18	10 28	0n 2	14 23	0 53	18 56	1 37	23 45	0 19	7 22	1 8	24 45	2 18	5 46	5 11	24 40	8 57	5 55
F 10	19 4	27 10	5 8	22 53	1 42	25 42	2 19	10 27	0 5	14 21	0 53	18 58	1 37	23 45	0 19	7 22	1 8	24 45	2 19	5 44	5 10	24 38	8 57	5 54
S 11	19 19	24 1	4 52	23 14	1 46	25 39	2 20	10 27	0 8	14 20	0 53	18 59	1 37	23 45	0 19	7 21	1 8	24 45	2 19	5 42	5 9	24 36	8 57	5 54
S 12	19 33	19 27	4 17	23 33	1 51	25 36	2 21	10 27	0 11	14 19	0 54	19 1	1 37	23 45	0 19	7 21	1 8	24 45	2 19	5 42	5 7	24 35	8 57	5 53
M13	19 47	13 52	3 27	23 52	1 55	25 31	2 21	10 26	0 13	14 18	0 54	19 2	1 37	23 45	0 19	7 21	1 8	24 44	2 19	5 41	5 6	24 33	8 57	5 53
T 14	20 0	7 40	2 26	24 9	1 59	25 26	2 22	10 27	0 16	14 17	0 54	19 4	1 37	23 45	0 19	7 20	1 8	24 44	2 19	5 42	5 5	24 31	8 57	5 53
W15	20 13	1 13	1 18	24 25	2 2	25 20	2 22	10 27	0 18	14 16	0 55	19 5	1 37	23 45	0 19	7 20	1 8	24 44	2 19	5 42	5 4	24 29	8 57	5 52
T 16	20 26	5n12	0 6	24 40	2 6	25 14	2 22	10 28	0 21	14 15	0 55	19 6	1 37	23 45	0 19	7 20	1 8	24 44	2 19	5 43	5 2	24 27	8 57	5 52
F 17	20 39	11 18	1n 5	24 53	2 9	25 7	2 23	10 29	0 23	14 14	0 55	19 8	1 37	23 46	0 19	7 20	1 8	24 44	2 19	5 42	5 1	24 25	8 57	5 51
S 18	20 51	16 50	2 11	25 6	2 11	24 59	2 23	10 30	0 26	14 13	0 55	19 9	1 37	23 46	0 19	7 19	1 8	24 44	2 19	5 41	5 0	24 23	8 57	5 51
S 19	21 2	21 31	3 10	25 16	2 13	24 50	2 23	10 31	0 28	14 12	0 56	19 11	1 37	23 46	0 19	7 19	1 8	24 44	2 19	5 39	4 59	24 22	8 57	5 51
M20	21 13	25 8	3 58	25 25	2 15	24 41	2 23	10 33	0 31	14 12	0 56	19 12	1 37	23 46	0 19	7 19	1 8	24 43	2 19	5 36	4 57	24 20	8 57	5 50
T 21	21 24	27 30	4 34	25 33	2 17	24 31	2 23	10 35	0 33	14 11	0 56	19 14	1 37	23 46	0 19	7 19	1 8	24 43	2 19	5 32	4 56	24 18	8 57	5 50
W22	21 35	28 28	4 56	25 39	2 18	24 20	2 22	10 37	0 35	14 11	0 56	19 15	1 37	23 46	0 19	7 18	1 8	24 43	2 19	5 28	4 55	24 16	8 56	5 49
T 23	21 45	28 3	5 5	25 44	2 19	24 8	2 22	10 40	0 37	14 10	0 57	19 16	1 37	23 46	0 19	7 18	1 8	24 43	2 19	5 24	4 54	24 14	8 56	5 49
F 24	21 54	26 18	5 0	25 47	2 19	23 56	2 21	10 42	0 39	14 10	0 57	19 18	1 37	23 46	0 19	7 18	1 8	24 43	2 19	5 20	4 52	24 12	8 56	5 49
S 25	22 3	23 25	4 42	25 49	2 18	23 44	2 21	10 45	0 41	14 9	0 57	19 19	1 37	23 46	0 19	7 18	1 8	24 43	2 19	5 17	4 51	24 10	8 56	5 48
S 26	22 12	19 34	4 12	25 49	2 17	23 30	2 20	10 48	0 43	14 9	0 57	19 20	1 37	23 46	0 19	7 18	1 8	24 42	2 19	5 15	4 50	24 8	8 56	5 48
M27	22 20	14 57	3 31	25 48	2 15	23 16	2 19	10 51	0 45	14 9	0 58	19 22	1 37	23 46	0 19	7 18	1 9	24 42	2 19	5 14	4 49	24 6	8 55	5 48
T 28	22 28	9 43	2 41	25 45	2 13	23 2	2 18	10 55	0 47	14 9	0 58	19 23	1 37	23 47	0 19	7 18	1 9	24 42	2 19	5 14	4 47	24 4	8 55	5 47
W29	22 36	4 4	1 42	25 40	2 10	22 47	2 17	10 59	0 49	14 9	0 58	19 25	1 37	23 47	0 19	7 17	1 9	24 42	2 19	5 14	4 46	24 3	8 55	5 47
T 30	22s43	1s53	0n38	25s34	2s 6	22s31	2s16	11n 2	0n50	14n 9	0n58	19s26	1n37	23n47	0n19	7n17	1n 9	24s42	2s19	5n14	4n45	24n 1	8s54	5n46

Julian Day Number = 2188516.5, Delta T = 10m56s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'48, Lahiri = 13°48'49 Julian Calendar 1 Nov. 1279 == Greg. Calendar 8 Nov. 1279

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ASTRODIENST EPHEMERIS for the year 1279
geocentric

DECEMBER 1279 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 6 49	16♐13'44	18♎58	5♑44	0♒49	26♈36	25♌ 3	4♐ 0	4°R20	14♍13	17♑28	13°R12	11♈55	3♌57	21♒35	F 1
S 2	5 10 46	17°14'53	2♏12	6°58	1°58	26°44	25° 4	4° 7	4♋18	14°14	17°30	13♈11	11°51	4° 3	21°37	S 2
S 3	5 14 42	18°16'03	15°53	8° 9	3° 7	26°52	25° 4	4°14	4°15	14°14	17°31	13° 7	11°48	4°10	21°39	S 3
M 4	5 18 39	19°17'13	0♐ 3	9°15	4°16	27° 1	25°R 4	4°21	4°13	14°14	17°33	13° 0	11°45	4°17	21°42	M 4
T 5	5 22 36	20°18'24	14°36	10°17	5°25	27°11	25° 4	4°28	4°10	14°14	17°35	12°51	11°42	4°24	21°44	T 5
W 6	5 26 32	21°19'36	29°27	11°14	6°33	27°21	25° 4	4°35	4° 8	14°15	17°37	12°40	11°39	4°30	21°47	W 6
T 7	5 30 29	22°20'48	14♑27	12° 5	7°41	27°32	25° 3	4°42	4° 5	14°15	17°39	12°29	11°36	4°37	21°49	T 7
F 8	5 34 25	23°22'00	29°26	12°49	8°50	27°44	25° 2	4°48	4° 3	14°15	17°40	12°19	11°32	4°44	21°52	F 8
S 9	5 38 22	24°23'12	14♒15	13°26	9°58	27°56	25° 1	4°55	4° 0	14°R15	17°42	12°11	11°29	4°50	21°54	S 9
S 10	5 42 18	25°24'23	28°48	13°54	11° 5	28° 9	25° 0	5° 2	3°58	14°15	17°44	12° 6	11°26	4°57	21°57	S 10
M11	5 46 15	26°25'35	13♓ 0	14°12	12°13	28°22	24°59	5° 9	3°55	14°15	17°46	12° 3	11°23	5° 4	22° 0	M11
T 12	5 50 12	27°26'47	26°51	14°R20	13°20	28°36	24°57	5°15	3°53	14°15	17°48	12°D 3	11°20	5°11	22° 2	T 12
W13	5 54 8	28°27'58	10♈21	14°17	14°28	28°51	24°56	5°22	3°50	14°14	17°50	12°R 3	11°17	5°17	22° 5	W13
T 14	5 58 5	29°29'09	23°33	14° 3	15°35	29° 6	24°54	5°29	3°47	14°14	17°52	12° 2	11°13	5°24	22° 8	T 14
F 15	6 2 1	0♑30'20	6♉29	13°36	16°41	29°21	24°52	5°36	3°45	14°14	17°53	12° 0	11°10	5°31	22°11	F 15
S 16	6 5 58	1°31'31	19°12	12°58	17°48	29°37	24°49	5°42	3°42	14°14	17°55	11°55	11° 7	5°37	22°14	S 16
S 17	6 9 54	2°32'42	1♊45	12° 8	18°54	29°54	24°47	5°49	3°40	14°14	17°57	11°47	11° 4	5°44	22°16	S 17
M18	6 13 51	3°33'52	14° 8	11° 9	20° 0	0♉11	24°44	5°55	3°37	14°13	17°59	11°36	11° 1	5°51	22°19	M18
T 19	6 17 47	4°35'02	26°23	10° 1	21° 6	0°28	24°42	6° 2	3°34	14°13	18° 1	11°23	10°57	5°57	22°22	T 19
W20	6 21 44	5°36'12	8♋30	8°46	22°11	0°46	24°39	6° 8	3°32	14°13	18° 3	11° 8	10°54	6° 4	22°25	W20
T 21	6 25 41	6°37'22	20°31	7°27	23°17	1° 5	24°35	6°15	3°29	14°12	18° 5	10°53	10°51	6°11	22°29	T 21
F 22	6 29 37	7°38'32	2♌26	6° 7	24°22	1°23	24°32	6°21	3°27	14°12	18° 7	10°39	10°48	6°18	22°32	F 22
S 23	6 33 34	8°39'41	14°17	4°47	25°26	1°43	24°28	6°27	3°24	14°12	18° 9	10°28	10°45	6°24	22°35	S 23
S 24	6 37 30	9°40'50	26° 7	3°31	26°31	2° 2	24°25	6°34	3°22	14°11	18°11	10°19	10°42	6°31	22°38	S 24
M25	6 41 27	10°42'00	7♍58	2°21	27°35	2°22	24°21	6°40	3°19	14°11	18°13	10°13	10°38	6°38	22°41	M25
T 26	6 45 23	11°43'08	19°54	1°18	28°39	2°43	24°17	6°46	3°16	14°10	18°15	10°10	10°35	6°44	22°45	T 26
W27	6 49 20	12°44'17	2♎ 0	0°23	29°42	3° 4	24°12	6°52	3°14	14° 9	18°17	10° 8	10°32	6°51	22°48	W27
T 28	6 53 16	13°45'26	14°22	29♐37	0♓45	3°25	24° 8	6°59	3°11	14° 9	18°19	10° 8	10°29	6°58	22°51	T 28
F 29	6 57 13	14°46'34	27° 4	29° 1	1°48	3°46	24° 3	7° 5	3° 9	14° 8	18°21	10° 8	10°26	7° 5	22°55	F 29
S 30	7 1 10	15°47'42	10♏11	28°35	2°50	4° 8	23°58	7°11	3° 6	14° 7	18°22	10° 6	10°23	7°11	22°58	S 30
S 31	7 5 6	16♑48'50	23♏47	28♐18	3♓52	4♉31	23♌53	7♐17	3♋ 4	14♍ 7	18♑24	10♈ 2	10♈19	7♌18	23♒ 2	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s49	7s56	0s31	25s26	2s 2	22s14	2s14	11n 7	0n52	14n 9	0n59	19s27	1n37	23n47	0n19	7n17	1n 9	24s42	2s19	5n14	4n44	23n59	8s54	5n46
S 2	22 55	13 50	1 39	25 17	1 56	21 57	2 13	11 11	0 54	14 9	0 59	19 28	1 36	23 47	0 19	7 17	1 9	24 41	2 19	5 13	4 42	23 57	8 54	5 46
S 3	23 1	19 17	2 45	25 7	1 50	21 40	2 11	11 15	0 55	14 9	0 59	19 30	1 36	23 47	0 19	7 17	1 9	24 41	2 19	5 12	4 41	23 55	8 53	5 45
M 4	23 6	23 51	3 42	24 55	1 43	21 22	2 9	11 20	0 57	14 9	1 0	19 31	1 36	23 47	0 19	7 17	1 9	24 41	2 20	5 9	4 40	23 53	8 53	5 45
T 5	23 11	27 3	4 26	24 42	1 34	21 3	2 8	11 25	0 58	14 9	1 0	19 32	1 36	23 47	0 19	7 17	1 9	24 41	2 20	5 6	4 39	23 51	8 52	5 45
W 6	23 15	28 26	4 54	24 28	1 25	20 44	2 6	11 30	1 0	14 10	1 0	19 34	1 36	23 47	0 19	7 17	1 9	24 41	2 20	5 1	4 37	23 49	8 52	5 44
T 7	23 19	27 44	5 1	24 13	1 14	20 25	2 4	11 35	1 1	14 10	1 0	19 35	1 36	23 47	0 19	7 17	1 9	24 40	2 20	4 57	4 36	23 47	8 52	5 44
F 8	23 22	25 3	4 48	23 57	1 2	20 4	2 1	11 41	1 3	14 11	1 1	19 36	1 36	23 48	0 19	7 17	1 9	24 40	2 20	4 53	4 35	23 45	8 51	5 44
S 9	23 25	20 42	4 16	23 40	0 49	19 44	1 59	11 47	1 4	14 11	1 1	19 37	1 36	23 48	0 19	7 17	1 9	24 40	2 20	4 50	4 34	23 43	8 51	5 43
S 10	23 27	15 11	3 28	23 23	0 35	19 23	1 56	11 52	1 5	14 12	1 1	19 39	1 36	23 48	0 19	7 17	1 9	24 40	2 20	4 48	4 32	23 41	8 50	5 43
M11	23 29	8 58	2 27	23 6	0 20	19 1	1 54	11 58	1 7	14 13	1 1	19 40	1 36	23 48	0 19	7 17	1 9	24 40	2 20	4 47	4 31	23 39	8 50	5 43
T 12	23 31	2 28	1 20	22 49	0 3	18 39	1 51	12 5	1 8	14 13	1 2	19 41	1 36	23 48	0 19	7 17	1 9	24 39	2 20	4 47	4 30	23 37	8 49	5 42
W13	23 32	3n59	0 9	22 31	0n15	18 17	1 48	12 11	1 9	14 14	1 2	19 42	1 36	23 48	0 19	7 17	1 9	24 39	2 20	4 47	4 29	23 35	8 48	5 42
T 14	23 32	10 7	1n 0	22 14	0 33	17 54	1 45	12 17	1 10	14 15	1 2	19 43	1 36	23 48	0 19	7 18	1 9	24 39	2 20	4 47	4 27	23 33	8 48	5 42
F 15	23 32	15 42	2 5	21 58	0 52	17 31	1 42	12 24	1 11	14 16	1 2	19 44	1 36	23 48	0 19	7 18	1 9	24 39	2 20	4 46	4 26	23 31	8 47	5 41
S 16	23 32	20 31	3 3	21 42	1 12	17 7	1 38	12 31	1 12	14 17	1 3	19 46	1 36	23 48	0 19	7 18	1 9	24 39	2 20	4 44	4 25	23 29	8 47	5 41
S 17	23 31	24 21	3 50	21 28	1 32	16 43	1 35	12 37	1 13	14 18	1 3	19 47	1 36	23 48	0 19	7 18	1 9	24 39	2 20	4 41	4 24	23 27	8 46	5 41
M18	23 29	26 59	4 26	21 14	1 51	16 19	1 31	12 44	1 14	14 19	1 3	19 48	1 36	23 48	0 19	7 18	1 10	24 38	2 20	4 36	4 22	23 24	8 45	5 41
T 19	23 27	28 18	4 49	21 1	2 9	15 54	1 28	12 51	1 15	14 20	1 3	19 49	1 37	23 48	0 19	7 18	1 10	24 38	2 20	4 31	4 21	23 22	8 45	5 40
W20	23 25	28 14	4 59	20 49	2 26	15 29	1 24	12 59	1 16	14 22	1 4	19 50	1 37	23 49	0 19	7 18	1 10	24 38	2 20	4 25	4 20	23 20	8 44	5 40
T 21	23 22	26 49	4 55	20 39	2 41	15 4	1 20	13 6	1 17	14 23	1 4	19 51	1 37	23 49	0 19	7 19	1 10	24 38	2 21	4 20	4 19	23 18	8 43	5 40
F 22	23 19	24 12	4 38	20 30	2 54	14 39	1 16	13 13	1 18	14 24	1 4	19 52	1 37	23 49	0 19	7 19	1 10	24 38	2 21	4 14	4 17	23 16	8 42	5 39
S 23	23 15	20 35	4 9	20 22	3 5	14 13	1 11	13 21	1 19	14 26	1 5	19 53	1 37	23 49	0 19	7 19	1 10	24 37	2 21	4 9	4 16	23 14	8 42	5 39
S 24	23 11	16 9	3 30	20 16	3 13	13 47	1 7	13 29	1 20	14 27	1 5	19 54	1 37	23 49	0 19	7 19	1 10	24 37	2 21	4 6	4 15	23 12	8 41	5 39
M25	23 6	11 6	2 41	20 12	3 19	13 20	1 2	13 36	1 21	14 29	1 5	19 55	1 37	23 49	0 19	7 19	1 10	24 37	2 21	4 4	4 14	23 10	8 40	5 39
T 26	23 1	5 37	1 45	20 10	3 22	12 54	0 58	13 44	1 21	14 30	1 5	19 56	1 37	23 49	0 19	7 20	1 10	24 37	2 21	4 2	4 12	23 8	8 39	5 38
W27	22 55	0s 9	0 43	20 9	3 23	12 27	0 53	13 52	1 22	14 32	1 6	19 57	1 37	23 49	0 19	7 20	1 10	24 37	2 21	4 2	4 11	23 6	8 38	5 38
T 28	22 49	6 2	0s22	20 10	3 22	12 0	0 48	14 0	1 23	14 34	1 6	19 58	1 37	23 49	0 19	7 20	1 10	24 36	2 21	4 2	4 10	23 4	8 38	5 38
F 29	22 43	11 50	1 28	20 13	3 19	11 33	0 43	14 8	1 23	14 36	1 6	19 59	1 37	23 49	0 19	7 21	1 10	24 36	2 21	4 2	4 9	23 1	8 37	5 38
S 30	22 36	17 20	2 32	20 17	3 14	11 5	0 37	14 16	1 24	14 37	1 6	20 0	1 37	23 49	0 19	7 21	1 10	24 36	2 21	4 1	4 7	22 59	8 36	5 37
S 31	22s28	22s10	3s29	20s23	3n 9	10s38	0s32	14n24	1n25	14n39	1n 6	20s 1	1n37	23n49	0n19	7n21	1n10	24s36	2s21	3n59	4n 6	22n57	8s35	5n37

Julian Day Number = 2188546.5, Delta T = 10m56s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'52, Lahiri = 13°48'53 Julian Calendar 1 Dec. 1279 == Greg. Calendar 8 Dec. 1279

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

JANUARY 1280 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 9 3	17♑49'58	7♐55	28°D10	4♓54	4♉53	23°R48	7♐23	3°R 1	14°R 6	18♑26	9°R55	10♈16	7♌25	23♒ 5	M 1
T 2	7 12 59	18°51'05	22°31	28♐11	5°55	5°16	23♌43	7°29	2♋59	14♍ 5	18°28	9♈46	10°13	7°31	23° 9	T 2
W 3	7 16 56	19°52'11	7♑30	28°19	6°56	5°40	23°38	7°34	2°56	14° 5	18°30	9°35	10°10	7°38	23°12	W 3
T 4	7 20 52	20°53'18	22°45	28°35	7°56	6° 3	23°32	7°40	2°54	14° 4	18°32	9°23	10° 7	7°45	23°16	T 4
F 5	7 24 49	21°54'23	8♒ 3	28°58	8°56	6°27	23°26	7°46	2°51	14° 3	18°34	9°12	10° 3	7°52	23°19	F 5
S 6	7 28 46	22°55'27	23°13	29°26	9°56	6°52	23°20	7°52	2°49	14° 2	18°36	9° 3	10° 0	7°58	23°23	S 6
S 7	7 32 42	23°56'30	8♓ 6	0♑ 1	10°55	7°16	23°14	7°57	2°47	14° 1	18°38	8°57	9°57	8° 5	23°27	S 7
M 8	7 36 39	24°57'32	22°35	0°40	11°53	7°41	23° 8	8° 3	2°44	14° 0	18°40	8°54	9°54	8°12	23°30	M 8
T 9	7 40 35	25°58'33	6♈37	1°24	12°51	8° 6	23° 2	8° 8	2°42	13°59	18°42	8°D53	9°51	8°18	23°34	T 9
W10	7 44 32	26°59'33	20°13	2°12	13°49	8°32	22°56	8°14	2°40	13°58	18°44	8°R54	9°48	8°25	23°38	W10
T 11	7 48 28	28° 0'31	3♉25	3° 4	14°46	8°57	22°49	8°19	2°37	13°57	18°46	8°54	9°44	8°32	23°41	T 11
F 12	7 52 25	29° 1'28	16°16	3°59	15°42	9°23	22°42	8°24	2°35	13°56	18°48	8°52	9°41	8°38	23°45	F 12
S 13	7 56 21	0♒ 2'24	28°50	4°58	16°38	9°49	22°36	8°30	2°33	13°55	18°50	8°49	9°38	8°45	23°49	S 13
S 14	8 0 18	1° 3'19	11♊11	5°59	17°33	10°16	22°29	8°35	2°31	13°54	18°52	8°42	9°35	8°52	23°53	S 14
M15	8 4 15	2° 4'12	23°23	7° 3	18°28	10°43	22°22	8°40	2°29	13°53	18°54	8°33	9°32	8°59	23°57	M15
T 16	8 8 11	3° 5'04	5♋26	8° 9	19°21	11°10	22°15	8°45	2°26	13°52	18°56	8°22	9°29	9° 5	24° 0	T 16
W17	8 12 8	4° 5'55	17°25	9°18	20°14	11°37	22° 8	8°50	2°24	13°50	18°58	8° 9	9°25	9°12	24° 4	W17
T 18	8 16 4	5° 6'44	29°19	10°28	21° 7	12° 4	22° 0	8°55	2°22	13°49	18°59	7°56	9°22	9°19	24° 8	T 18
F 19	8 20 1	6° 7'32	11♌11	11°40	21°58	12°32	21°53	9° 0	2°20	13°48	19° 1	7°44	9°19	9°25	24°12	F 19
S 20	8 23 57	7° 8'19	23° 2	12°54	22°49	12°59	21°46	9° 5	2°18	13°47	19° 3	7°34	9°16	9°32	24°16	S 20
S 21	8 27 54	8° 9'05	4♍53	14°10	23°39	13°27	21°38	9° 9	2°16	13°46	19° 5	7°26	9°13	9°39	24°20	S 21
M22	8 31 50	9° 9'49	16°48	15°27	24°29	13°56	21°31	9°14	2°14	13°44	19° 7	7°21	9° 9	9°46	24°24	M22
T 23	8 35 47	10°10'32	28°47	16°46	25°17	14°24	21°23	9°19	2°12	13°43	19° 9	7°19	9° 6	9°52	24°28	T 23
W24	8 39 44	11°11'14	10♎56	18° 6	26° 4	14°52	21°16	9°23	2°10	13°42	19°11	7°D19	9° 3	9°59	24°32	W24
T 25	8 43 40	12°11'55	23°18	19°27	26°51	15°21	21° 8	9°28	2° 9	13°40	19°13	7°19	9° 0	10° 6	24°36	T 25
F 26	8 47 37	13°12'34	5♏58	20°49	27°36	15°50	21° 0	9°32	2° 7	13°39	19°14	7°20	8°57	10°12	24°40	F 26
S 27	8 51 33	14°13'13	18°59	22°13	28°21	16°19	20°52	9°36	2° 5	13°38	19°16	7°R21	8°54	10°19	24°44	S 27
S 28	8 55 30	15°13'50	2♐27	23°37	29° 4	16°49	20°44	9°40	2° 3	13°36	19°18	7°19	8°50	10°26	24°48	S 28
M29	8 59 26	16°14'27	16°23	25° 3	29°47	17°18	20°37	9°45	2° 2	13°35	19°20	7°15	8°47	10°32	24°52	M29
T 30	9 3 23	17°15'02	0♑47	26°30	0♈28	17°48	20°29	9°49	2° 0	13°33	19°22	7°10	8°44	10°39	24°56	T 30
W31	9 7 19	18♒15'35	15♑37	27♑58	1♈ 8	18♉17	20♌21	9♐53	1♋59	13♍32	19♑23	7♈ 3	8♈41	10♌46	25♒ 0	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s21	25s55	4s15	20s30	3n 2	10s10	0s26	14n33	1n25	14n41	1n 7	20s 2	1n37	23n49	0n19	7n21	1n10	24s36	2s21	3n57	4n 5	22n55	8s34	5n37
T 2	22 12	28 6	4 47	20 37	2 54	9 42	0 21	14 41	1 26	14 43	1 7	20 3	1 37	23 49	0 19	7 22	1 10	24 35	2 22	3 53	4 4	22 53	8 33	5 37
W 3	22 3	28 19	5 0	20 46	2 45	9 14	0 15	14 49	1 27	14 45	1 7	20 4	1 37	23 50	0 19	7 22	1 10	24 35	2 22	3 49	4 2	22 51	8 32	5 36
T 4	21 54	26 25	4 52	20 55	2 36	8 46	0 9	14 58	1 27	14 47	1 7	20 5	1 37	23 50	0 19	7 23	1 10	24 35	2 22	3 44	4 1	22 48	8 31	5 36
F 5	21 45	22 34	4 24	21 5	2 27	8 18	0 3	15 6	1 28	14 49	1 8	20 6	1 37	23 50	0 19	7 23	1 10	24 35	2 22	3 40	4 0	22 46	8 30	5 36
S 6	21 35	17 14	3 37	21 15	2 17	7 49	0n 3	15 15	1 28	14 52	1 8	20 7	1 37	23 50	0 19	7 23	1 10	24 35	2 22	3 36	3 59	22 44	8 29	5 36
S 7	21 24	10 58	2 35	21 25	2 7	7 21	0 10	15 23	1 29	14 54	1 8	20 7	1 37	23 50	0 19	7 24	1 10	24 35	2 22	3 34	3 57	22 42	8 28	5 36
M 8	21 13	4 16	1 25	21 35	1 57	6 53	0 16	15 32	1 29	14 56	1 8	20 8	1 37	23 50	0 19	7 24	1 10	24 34	2 22	3 33	3 56	22 40	8 27	5 35
T 9	21 2	2n27	0 12	21 45	1 46	6 24	0 23	15 41	1 30	14 58	1 8	20 9	1 37	23 50	0 19	7 24	1 10	24 34	2 22	3 32	3 55	22 38	8 26	5 35
W10	20 51	8 51	1n 0	21 55	1 36	5 56	0 30	15 49	1 30	15 1	1 9	20 10	1 37	23 50	0 19	7 25	1 11	24 34	2 22	3 32	3 54	22 35	8 25	5 35
T 11	20 39	14 41	2 6	22 4	1 26	5 28	0 37	15 58	1 31	15 3	1 9	20 11	1 37	23 50	0 19	7 25	1 11	24 34	2 22	3 32	3 52	22 33	8 24	5 35
F 12	20 26	19 43	3 4	22 13	1 16	4 59	0 44	16 7	1 31	15 5	1 9	20 11	1 38	23 50	0 19	7 26	1 11	24 34	2 22	3 32	3 51	22 31	8 23	5 35
S 13	20 13	23 45	3 52	22 21	1 6	4 31	0 51	16 16	1 31	15 8	1 9	20 12	1 38	23 50	0 19	7 26	1 11	24 33	2 23	3 30	3 50	22 29	8 22	5 34
S 14	20 0	26 38	4 28	22 28	0 56	4 3	0 58	16 24	1 32	15 10	1 9	20 13	1 38	23 50	0 19	7 27	1 11	24 33	2 23	3 28	3 49	22 27	8 21	5 34
M15	19 47	28 13	4 52	22 35	0 46	3 34	1 6	16 33	1 32	15 13	1 10	20 14	1 38	23 50	0 19	7 27	1 11	24 33	2 23	3 24	3 47	22 24	8 20	5 34
T 16	19 33	28 27	5 2	22 41	0 36	3 6	1 14	16 42	1 32	15 15	1 10	20 14	1 38	23 50	0 19	7 28	1 11	24 33	2 23	3 20	3 46	22 22	8 19	5 34
W17	19 19	27 19	4 58	22 46	0 27	2 38	1 21	16 51	1 33	15 18	1 10	20 15	1 38	23 50	0 19	7 28	1 11	24 33	2 23	3 15	3 45	22 20	8 18	5 34
T 18	19 4	24 58	4 42	22 50	0 17	2 10	1 29	17 0	1 33	15 20	1 10	20 16	1 38	23 50	0 19	7 29	1 11	24 33	2 23	3 10	3 44	22 18	8 17	5 34
F 19	18 49	21 32	4 13	22 53	0 8	1 42	1 37	17 8	1 33	15 23	1 10	20 16	1 38	23 50	0 19	7 29	1 11	24 32	2 23	3 5	3 42	22 15	8 16	5 34
S 20	18 34	17 15	3 33	22 55	0s 0	1 15	1 45	17 17	1 34	15 25	1 10	20 17	1 38	23 50	0 19	7 30	1 11	24 32	2 23	3 1	3 41	22 13	8 14	5 33
S 21	18 18	12 18	2 44	22 56	0 9	0 47	1 54	17 26	1 34	15 28	1 11	20 18	1 38	23 50	0 19	7 30	1 11	24 32	2 23	2 58	3 40	22 11	8 13	5 33
M22	18 2	6 53	1 48	22 55	0 17	0 20	2 2	17 35	1 34	15 30	1 11	20 18	1 38	23 50	0 19	7 31	1 11	24 32	2 23	2 56	3 39	22 8	8 12	5 33
T 23	17 46	1 11	0 46	22 54	0 25	0n 7	2 11	17 44	1 35	15 33	1 11	20 19	1 38	23 50	0 19	7 31	1 11	24 32	2 24	2 55	3 37	22 6	8 11	5 33
W24	17 29	4s39	0s19	22 51	0 33	0 34	2 19	17 52	1 35	15 36	1 11	20 20	1 38	23 50	0 19	7 32	1 11	24 32	2 24	2 55	3 36	22 4	8 10	5 33
T 25	17 12	10 24	1 25	22 48	0 41	1 0	2 28	18 1	1 35	15 38	1 11	20 20	1 39	23 50	0 19	7 32	1 11	24 31	2 24	2 55	3 35	22 2	8 9	5 33
F 26	16 55	15 53	2 28	22 43	0 48	1 27	2 37	18 10	1 35	15 41	1 11	20 21	1 39	23 51	0 19	7 33	1 11	24 31	2 24	2 55	3 34	21 59	8 7	5 33
S 27	16 38	20 49	3 25	22 36	0 55	1 53	2 46	18 19	1 35	15 43	1 11	20 21	1 39	23 51	0 19	7 33	1 11	24 31	2 24	2 56	3 32	21 57	8 6	5 33
S 28	16 20	24 51	4 12	22 29	1 2	2 19	2 55	18 27	1 36	15 46	1 12	20 22	1 39	23 51	0 19	7 34	1 11	24 31	2 24	2 55	3 31	21 55	8 5	5 33
M29	16 2	27 36	4 47	22 20	1 9	2 44	3 5	18 36	1 36	15 49	1 12	20 22	1 39	23 51	0 19	7 35	1 11	24 31	2 24	2 53	3 30	21 52	8 4	5 32
T 30	15 44	28 37	5 5	22 10	1 15	3 9	3 14	18 44	1 36	15 51	1 12	20 23	1 39	23 51	0 19	7 35	1 11	24 31	2 24	2 51	3 29	21 50	8 2	5 32
W31	15s25	27s39	5s 4	21s58	1s21	3n34	3n23	18n53	1n36	15n54	1n12	20s23	1n39	23n51	0n19	7n36	1n11	24s31	2s24	2n48	3n27	21n48	8s 1	5n32

Julian Day Number = 2188577.5, Delta T = 10m56s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°41'57, Lahiri = 13°48'57 Julian Calendar 1 Jan. 1280 == Greg. Calendar 8 Jan. 1280

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

FEBRUARY 1280 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 11 16	19♒16'08	0♒45	29♑27	1♈47	18♉47	20°R13	9♐56	1°R57	13°R30	19♑25	6°R55	8♈38	10♌53	25♒ 4	T 1
F 2	9 15 13	20°16'38	16° 3	0♒57	2°25	19°17	20♌ 5	10° 0	1♋56	13♍29	19°27	6♈48	8°35	10°59	25° 8	F 2
S 3	9 19 9	21°17'07	1♓18	2°28	3° 1	19°48	19°57	10° 4	1°54	13°27	19°29	6°42	8°31	11° 6	25°12	S 3
S 4	9 23 6	22°17'35	16°22	4° 0	3°36	20°18	19°49	10° 8	1°53	13°26	19°30	6°38	8°28	11°13	25°16	S 4
M 5	9 27 2	23°18'00	1♈ 4	5°33	4°10	20°49	19°41	10°11	1°51	13°24	19°32	6°D37	8°25	11°19	25°20	M 5
T 6	9 30 59	24°18'23	15°20	7° 7	4°42	21°19	19°33	10°15	1°50	13°23	19°34	6°37	8°22	11°26	25°24	T 6
W 7	9 34 55	25°18'45	29° 8	8°42	5°12	21°50	19°26	10°18	1°49	13°21	19°35	6°38	8°19	11°33	25°28	W 7
T 8	9 38 52	26°19'04	12♉29	10°18	5°41	22°21	19°18	10°21	1°48	13°20	19°37	6°39	8°15	11°39	25°32	T 8
F 9	9 42 48	27°19'22	25°25	11°55	6° 8	22°52	19°10	10°24	1°46	13°18	19°39	6°R40	8°12	11°46	25°36	F 9
S 10	9 46 45	28°19'37	8♊ 0	13°32	6°34	23°23	19° 2	10°28	1°45	13°17	19°40	6°40	8° 9	11°53	25°40	S 10
S 11	9 50 42	29°19'51	20°19	15°11	6°58	23°55	18°54	10°31	1°44	13°15	19°42	6°37	8° 6	12° 0	25°44	S 11
M12	9 54 38	0♓20'02	2♋26	16°51	7°19	24°26	18°47	10°34	1°43	13°13	19°43	6°33	8° 3	12° 6	25°48	M12
T 13	9 58 35	1°20'11	14°24	18°32	7°39	24°58	18°39	10°36	1°42	13°12	19°45	6°28	8° 0	12°13	25°53	T 13
W14	10 2 31	2°20'18	26°17	20°14	7°57	25°29	18°32	10°39	1°41	13°10	19°47	6°22	7°56	12°20	25°57	W14
T 15	10 6 28	3°20'24	8♌ 8	21°57	8°13	26° 1	18°24	10°42	1°40	13° 8	19°48	6°16	7°53	12°26	26° 1	T 15
F 16	10 10 24	4°20'27	19°59	23°42	8°27	26°33	18°17	10°44	1°40	13° 7	19°50	6°10	7°50	12°33	26° 5	F 16
S 17	10 14 21	5°20'28	1♍52	25°27	8°38	27° 5	18°10	10°47	1°39	13° 5	19°51	6° 5	7°47	12°40	26° 9	S 17
S 18	10 18 17	6°20'27	13°49	27°13	8°48	27°37	18° 2	10°49	1°38	13° 4	19°53	6° 1	7°44	12°46	26°13	S 18
M19	10 22 14	7°20'24	25°51	29° 1	8°55	28° 9	17°55	10°51	1°38	13° 2	19°54	5°59	7°41	12°53	26°17	M19
T 20	10 26 11	8°20'19	8♎ 1	0♓49	9° 0	28°41	17°48	10°54	1°37	13° 0	19°55	5°D59	7°37	13° 0	26°21	T 20
W21	10 30 7	9°20'13	20°20	2°39	9°R 2	29°14	17°41	10°56	1°36	12°59	19°57	6° 0	7°34	13° 7	26°25	W21
T 22	10 34 4	10°20'04	2♏52	4°30	9° 2	29°46	17°34	10°58	1°36	12°57	19°58	6° 1	7°31	13°13	26°29	T 22
F 23	10 38 0	11°19'54	15°38	6°22	8°59	0♊19	17°28	11° 0	1°35	12°55	20° 0	6° 3	7°28	13°20	26°32	F 23
S 24	10 41 57	12°19'43	28°43	8°15	8°54	0°51	17°21	11° 1	1°35	12°54	20° 1	6° 4	7°25	13°27	26°36	S 24
S 25	10 45 53	13°19'29	12♐ 7	10°10	8°47	1°24	17°15	11° 3	1°35	12°52	20° 2	6°R 5	7°21	13°33	26°40	S 25
M26	10 49 50	14°19'14	25°54	12° 5	8°37	1°57	17° 8	11° 5	1°34	12°50	20° 4	6° 4	7°18	13°40	26°44	M26
T 27	10 53 46	15°18'57	10♑ 4	14° 1	8°24	2°30	17° 2	11° 6	1°34	12°49	20° 5	6° 3	7°15	13°47	26°48	T 27
W28	10 57 43	16°18'39	24°35	15°59	8°10	3° 3	16°56	11° 8	1°34	12°47	20° 6	6° 1	7°12	13°53	26°52	W28
T 29	11 1 40	17♓18'19	9♒23	17♓57	7♈52	3♊36	16♌50	11♐ 9	1♋34	12♍45	20♑ 7	5♈58	7♈ 9	14♌ 0	26♒56	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 6	24s38	4s41	21s45	1s26	3n58	3n33	19n 1	1n36	15n57	1n12	20s24	1n39	23n51	0n19	7n36	1n11	24s30	2s25	2n45	3n26	21n45	8s 0	5n32
F 2	14 47	19 53	3 59	21 31	1 32	4 22	3 43	19 10	1 37	15 59	1 12	20 24	1 39	23 51	0 19	7 37	1 11	24 30	2 25	2 42	3 25	21 43	7 59	5 32
S 3	14 28	13 50	2 59	21 15	1 37	4 45	3 52	19 18	1 37	16 2	1 12	20 25	1 39	23 51	0 19	7 38	1 11	24 30	2 25	2 40	3 24	21 41	7 57	5 32
S 4	14 8	7 3	1 47	20 58	1 41	5 8	4 2	19 27	1 37	16 4	1 12	20 25	1 39	23 51	0 19	7 38	1 11	24 30	2 25	2 39	3 22	21 38	7 56	5 32
M 5	13 48	0 2	0 30	20 40	1 45	5 31	4 12	19 35	1 37	16 7	1 12	20 25	1 40	23 51	0 19	7 39	1 11	24 30	2 25	2 38	3 21	21 36	7 55	5 32
T 6	13 28	6n47	0n47	20 20	1 49	5 53	4 22	19 43	1 37	16 10	1 12	20 26	1 40	23 51	0 19	7 39	1 11	24 30	2 25	2 38	3 20	21 34	7 54	5 32
W 7	13 8	13 4	1 59	19 59	1 53	6 14	4 32	19 52	1 37	16 12	1 13	20 26	1 40	23 51	0 19	7 40	1 11	24 30	2 25	2 39	3 19	21 31	7 52	5 32
T 8	12 48	18 32	3 2	19 36	1 56	6 35	4 43	20 0	1 37	16 15	1 13	20 27	1 40	23 51	0 19	7 41	1 11	24 30	2 25	2 39	3 17	21 29	7 51	5 32
F 9	12 27	22 59	3 54	19 12	1 59	6 55	4 53	20 8	1 37	16 17	1 13	20 27	1 40	23 51	0 19	7 41	1 11	24 29	2 26	2 39	3 16	21 27	7 50	5 32
S 10	12 6	26 13	4 33	18 46	2 2	7 15	5 3	20 16	1 37	16 20	1 13	20 27	1 40	23 51	0 19	7 42	1 11	24 29	2 26	2 39	3 15	21 24	7 48	5 32
S 11	11 45	28 8	4 58	18 19	2 4	7 34	5 13	20 24	1 37	16 22	1 13	20 28	1 40	23 51	0 19	7 43	1 12	24 29	2 26	2 38	3 13	21 22	7 47	5 32
M12	11 24	28 41	5 10	17 50	2 6	7 52	5 23	20 32	1 38	16 25	1 13	20 28	1 40	23 51	0 19	7 43	1 12	24 29	2 26	2 37	3 12	21 19	7 46	5 32
T 13	11 3	27 51	5 8	17 20	2 7	8 9	5 34	20 40	1 38	16 27	1 13	20 28	1 40	23 51	0 19	7 44	1 12	24 29	2 26	2 35	3 11	21 17	7 44	5 32
W14	10 41	25 46	4 52	16 49	2 8	8 25	5 44	20 47	1 38	16 29	1 13	20 29	1 40	23 51	0 19	7 44	1 12	24 29	2 26	2 32	3 10	21 15	7 43	5 32
T 15	10 19	22 33	4 24	16 16	2 8	8 41	5 54	20 55	1 38	16 32	1 13	20 29	1 41	23 51	0 19	7 45	1 12	24 29	2 26	2 30	3 8	21 12	7 42	5 32
F 16	9 57	18 26	3 45	15 42	2 8	8 56	6 4	21 3	1 38	16 34	1 13	20 29	1 41	23 51	0 19	7 46	1 12	24 29	2 26	2 27	3 7	21 10	7 40	5 32
S 17	9 35	13 35	2 56	15 6	2 8	9 10	6 14	21 10	1 38	16 36	1 13	20 29	1 41	23 51	0 19	7 46	1 12	24 29	2 27	2 25	3 6	21 7	7 39	5 32
S 18	9 13	8 13	1 58	14 28	2 7	9 22	6 24	21 18	1 38	16 38	1 13	20 30	1 41	23 51	0 19	7 47	1 12	24 29	2 27	2 24	3 5	21 5	7 38	5 32
M19	8 51	2 30	0 55	13 50	2 6	9 34	6 33	21 25	1 38	16 41	1 13	20 30	1 41	23 51	0 19	7 48	1 12	24 28	2 27	2 23	3 3	21 3	7 36	5 32
T 20	8 29	3s22	0s11	13 9	2 4	9 45	6 43	21 32	1 38	16 43	1 13	20 30	1 41	23 51	0 19	7 48	1 12	24 28	2 27	2 23	3 2	21 0	7 35	5 32
W21	8 6	9 11	1 18	12 28	2 2	9 54	6 52	21 39	1 38	16 45	1 13	20 30	1 41	23 51	0 19	7 49	1 12	24 28	2 27	2 23	3 1	20 58	7 34	5 32
T 22	7 43	14 45	2 22	11 45	1 59	10 2	7 1	21 46	1 38	16 47	1 13	20 30	1 41	23 51	0 19	7 50	1 12	24 28	2 27	2 24	3 0	20 55	7 32	5 32
F 23	7 21	19 47	3 21	11 0	1 56	10 9	7 10	21 53	1 38	16 49	1 13	20 30	1 41	23 51	0 19	7 50	1 12	24 28	2 27	2 25	2 58	20 53	7 31	5 32
S 24	6 58	24 1	4 11	10 14	1 52	10 15	7 19	22 0	1 38	16 51	1 13	20 31	1 42	23 51	0 19	7 51	1 12	24 28	2 28	2 25	2 57	20 50	7 30	5 32
S 25	6 35	27 6	4 48	9 27	1 47	10 20	7 27	22 7	1 38	16 53	1 13	20 31	1 42	23 51	0 19	7 52	1 12	24 28	2 28	2 25	2 56	20 48	7 28	5 32
M26	6 12	28 38	5 10	8 38	1 42	10 23	7 35	22 14	1 38	16 55	1 13	20 31	1 42	23 51	0 19	7 52	1 12	24 28	2 28	2 25	2 55	20 45	7 27	5 32
T 27	5 49	28 22	5 14	7 48	1 37	10 25	7 42	22 20	1 38	16 57	1 13	20 31	1 42	23 51	0 19	7 53	1 12	24 28	2 28	2 25	2 53	20 43	7 25	5 32
W28	5 25	26 11	4 59	6 57	1 31	10 25	7 49	22 27	1 38	16 59	1 13	20 31	1 42	23 51	0 19	7 54	1 12	24 28	2 28	2 24	2 52	20 40	7 24	5 32
T 29	5s 2	22s12	4s23	6s 5	1s24	10n24	7n55	22n33	1n38	17n 1	1n13	20s31	1n42	23n51	0n19	7n54	1n12	24s28	2s28	2n23	2n51	20n38	7s23	5n32

Julian Day Number = 2188608.5, Delta T = 10m56s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'01, Lahiri = 13°49'01 Julian Calendar 1 Feb. 1280 == Greg. Calendar 8 Feb. 1280

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

MARCH 1280 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 5 36	18♓17'56	24♒22	19♓56	7°R32	4♊ 9	16°R44	11♐10	1°R34	12°R44	20♑ 9	5°R56	7♈ 6	14♌ 7	27♒ 0	F 1
S 2	11 9 33	19°17'32	9♓24	21°56	7♈10	4°42	16♌38	11°11	1°D34	12♍42	20°10	5♈54	7° 2	14°14	27° 4	S 2
S 3	11 13 29	20°17'06	24°19	23°57	6°46	5°15	16°33	11°12	1♋34	12°40	20°11	5°53	6°59	14°20	27° 7	S 3
M 4	11 17 26	21°16'38	9♈ 0	25°58	6°20	5°49	16°27	11°13	1°34	12°39	20°12	5°D53	6°56	14°27	27°11	M 4
T 5	11 21 22	22°16'07	23°20	27°59	5°51	6°22	16°22	11°14	1°34	12°37	20°13	5°53	6°53	14°34	27°15	T 5
W 6	11 25 19	23°15'34	7♉16	0♈ 1	5°21	6°56	16°17	11°15	1°34	12°35	20°14	5°54	6°50	14°40	27°19	W 6
T 7	11 29 15	24°14'59	20°45	2° 2	4°49	7°29	16°12	11°16	1°34	12°34	20°15	5°55	6°46	14°47	27°22	T 7
F 8	11 33 12	25°14'22	3♊49	4° 2	4°16	8° 3	16° 7	11°16	1°35	12°32	20°16	5°56	6°43	14°54	27°26	F 8
S 9	11 37 9	26°13'43	16°30	6° 2	3°41	8°37	16° 2	11°16	1°35	12°30	20°17	5°57	6°40	15° 0	27°30	S 9
S 10	11 41 5	27°13'01	28°52	8° 1	3° 5	9°11	15°58	11°17	1°35	12°29	20°18	5°R57	6°37	15° 7	27°33	S 10
M11	11 45 2	28°12'16	11♋ 0	9°59	2°28	9°44	15°54	11°17	1°36	12°27	20°19	5°57	6°34	15°14	27°37	M11
T 12	11 48 58	29°11'30	22°57	11°54	1°51	10°18	15°49	11°17	1°36	12°26	20°20	5°56	6°31	15°20	27°41	T 12
W13	11 52 55	0♈10'41	4♌49	13°47	1°13	10°52	15°45	11°R17	1°37	12°24	20°21	5°55	6°27	15°27	27°44	W13
T 14	11 56 51	1° 9'49	16°39	15°38	0°35	11°26	15°42	11°17	1°38	12°23	20°22	5°55	6°24	15°34	27°48	T 14
F 15	12 0 48	2° 8'56	28°31	17°26	29♓57	12° 0	15°38	11°17	1°38	12°21	20°23	5°54	6°21	15°41	27°51	F 15
S 16	12 4 44	3° 8'00	10♍28	19°10	29°20	12°34	15°35	11°17	1°39	12°19	20°24	5°54	6°18	15°47	27°55	S 16
S 17	12 8 41	4° 7'02	22°33	20°50	28°43	13° 9	15°31	11°16	1°40	12°18	20°25	5°53	6°15	15°54	27°58	S 17
M18	12 12 37	5° 6'02	4♎46	22°26	28° 7	13°43	15°28	11°16	1°41	12°16	20°25	5°D53	6°12	16° 1	28° 2	M18
T 19	12 16 34	6° 4'59	17°11	23°58	27°32	14°17	15°25	11°15	1°42	12°15	20°26	5°R53	6° 8	16° 7	28° 5	T 19
W20	12 20 31	7° 3'55	29°48	25°25	26°58	14°51	15°22	11°15	1°42	12°13	20°27	5°53	6° 5	16°14	28° 8	W20
T 21	12 24 27	8° 2'49	12♏38	26°47	26°26	15°26	15°20	11°14	1°43	12°12	20°27	5°53	6° 2	16°21	28°12	T 21
F 22	12 28 24	9° 1'41	25°42	28° 4	25°56	16° 0	15°18	11°13	1°45	12°11	20°28	5°53	5°59	16°27	28°15	F 22
S 23	12 32 20	10° 0'31	9♐ 0	29°16	25°27	16°35	15°15	11°12	1°46	12° 9	20°29	5°52	5°56	16°34	28°18	S 23
S 24	12 36 17	10°59'20	22°33	0♉21	25° 1	17° 9	15°13	11°11	1°47	12° 8	20°29	5°52	5°52	16°41	28°21	S 24
M25	12 40 13	11°58'07	6♑21	1°21	24°36	17°44	15°11	11°10	1°48	12° 6	20°30	5°D52	5°49	16°47	28°25	M25
T 26	12 44 10	12°56'52	20°23	2°16	24°14	18°18	15°10	11° 9	1°49	12° 5	20°31	5°52	5°46	16°54	28°28	T 26
W27	12 48 6	13°55'35	4♒39	3° 4	23°54	18°53	15° 8	11° 7	1°50	12° 4	20°31	5°52	5°43	17° 1	28°31	W27
T 28	12 52 3	14°54'17	19° 5	3°46	23°37	19°28	15° 7	11° 6	1°52	12° 2	20°32	5°53	5°40	17° 8	28°34	T 28
F 29	12 56 0	15°52'57	3♓39	4°22	23°22	20° 2	15° 6	11° 4	1°53	12° 1	20°32	5°54	5°37	17°14	28°37	F 29
S 30	12 59 56	16°51'35	18°15	4°52	23° 9	20°37	15° 5	11° 3	1°55	12° 0	20°32	5°54	5°33	17°21	28°40	S 30
S 31	13 3 53	17♈50'11	2♈48	5♉15	22♓59	21♊12	15♌ 4	11♐ 1	1♋56	11♍58	20♑33	5°R55	5♈30	17♌28	28♒43	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4s39	16s44	3s30	5s11	1s17	10n21	8n 1	22n39	1n38	17n 2	1n13	20s31	1n42	23n51	0n19	7n55	1n12	24s28	2s28	2n22	2n50	20n35	7s21	5n32
S 2	4 15	10 15	2 21	4 17	1 10	10 17	8 6	22 46	1 38	17 4	1 13	20 31	1 42	23 51	0 19	7 55	1 12	24 28	2 29	2 21	2 48	20 33	7 20	5 32
S 3	3 52	3 14	1 3	3 21	1 1	10 11	8 10	22 52	1 37	17 6	1 13	20 31	1 42	23 51	0 19	7 56	1 12	24 28	2 29	2 21	2 47	20 30	7 19	5 32
M 4	3 28	3n51	0n17	2 25	0 53	10 4	8 14	22 58	1 37	17 7	1 13	20 31	1 43	23 51	0 19	7 57	1 12	24 28	2 29	2 21	2 46	20 28	7 17	5 32
T 5	3 5	10 34	1 35	1 28	0 43	9 56	8 17	23 3	1 37	17 9	1 13	20 31	1 43	23 51	0 19	7 57	1 12	24 28	2 29	2 21	2 45	20 25	7 16	5 33
W 6	2 41	16 35	2 45	0 31	0 34	9 45	8 19	23 9	1 37	17 10	1 12	20 31	1 43	23 51	0 19	7 58	1 12	24 28	2 29	2 21	2 43	20 23	7 15	5 33
T 7	2 18	21 36	3 44	0n27	0 23	9 34	8 20	23 15	1 37	17 12	1 12	20 31	1 43	23 51	0 19	7 59	1 12	24 28	2 29	2 22	2 42	20 20	7 13	5 33
F 8	1 54	25 23	4 29	1 25	0 13	9 21	8 21	23 20	1 37	17 13	1 12	20 31	1 43	23 51	0 19	7 59	1 12	24 28	2 29	2 22	2 41	20 18	7 12	5 33
S 9	1 30	27 48	4 59	2 23	0 2	9 7	8 20	23 25	1 37	17 14	1 12	20 31	1 43	23 51	0 19	8 0	1 12	24 28	2 30	2 22	2 39	20 15	7 11	5 33
S 10	1 7	28 46	5 14	3 21	0n10	8 51	8 19	23 31	1 37	17 16	1 12	20 31	1 43	23 51	0 19	8 0	1 12	24 28	2 30	2 22	2 38	20 13	7 9	5 33
M11	0 43	28 19	5 16	4 18	0 21	8 34	8 16	23 36	1 37	17 17	1 12	20 31	1 43	23 51	0 19	8 1	1 12	24 28	2 30	2 22	2 37	20 10	7 8	5 33
T 12	0 19	26 33	5 3	5 14	0 33	8 16	8 13	23 41	1 37	17 18	1 12	20 31	1 43	23 51	0 19	8 2	1 12	24 28	2 30	2 22	2 36	20 8	7 7	5 33
W13	0n 4	23 37	4 38	6 9	0 45	7 57	8 9	23 46	1 37	17 19	1 12	20 31	1 44	23 51	0 19	8 2	1 12	24 28	2 30	2 22	2 34	20 5	7 5	5 33
T 14	0 28	19 43	4 0	7 3	0 57	7 37	8 4	23 50	1 37	17 20	1 12	20 31	1 44	23 51	0 19	8 3	1 12	24 28	2 30	2 21	2 33	20 3	7 4	5 34
F 15	0 51	15 3	3 13	7 56	1 9	7 17	7 58	23 55	1 36	17 21	1 12	20 31	1 44	23 51	0 19	8 3	1 12	24 28	2 31	2 21	2 32	20 0	7 3	5 34
S 16	1 15	9 46	2 16	8 46	1 21	6 56	7 51	23 59	1 36	17 22	1 12	20 30	1 44	23 51	0 19	8 4	1 12	24 28	2 31	2 21	2 31	19 58	7 1	5 34
S 17	1 39	4 6	1 13	9 35	1 32	6 34	7 43	24 4	1 36	17 23	1 12	20 30	1 44	23 51	0 19	8 5	1 12	24 28	2 31	2 21	2 29	19 55	7 0	5 34
M18	2 2	1s49	0 6	10 22	1 43	6 12	7 35	24 8	1 36	17 24	1 11	20 30	1 44	23 51	0 19	8 5	1 12	24 28	2 31	2 21	2 28	19 52	6 59	5 34
T 19	2 26	7 44	1s 2	11 6	1 54	5 49	7 26	24 12	1 36	17 25	1 11	20 30	1 44	23 51	0 19	8 6	1 12	24 28	2 31	2 21	2 27	19 50	6 57	5 34
W20	2 49	13 27	2 9	11 48	2 4	5 27	7 16	24 16	1 36	17 25	1 11	20 30	1 44	23 51	0 19	8 6	1 12	24 28	2 31	2 21	2 26	19 47	6 56	5 34
T 21	3 12	18 42	3 10	12 27	2 14	5 5	7 5	24 19	1 36	17 26	1 11	20 30	1 44	23 50	0 19	8 7	1 12	24 28	2 32	2 21	2 24	19 45	6 55	5 35
F 22	3 36	23 11	4 3	13 3	2 23	4 42	6 54	24 23	1 36	17 27	1 11	20 29	1 44	23 50	0 19	8 7	1 12	24 28	2 32	2 21	2 23	19 42	6 54	5 35
S 23	3 59	26 33	4 43	13 36	2 31	4 20	6 42	24 26	1 35	17 27	1 11	20 29	1 45	23 50	0 19	8 8	1 12	24 28	2 32	2 21	2 22	19 39	6 52	5 35
S 24	4 22	28 28	5 9	14 7	2 39	3 59	6 30	24 30	1 35	17 28	1 11	20 29	1 45	23 50	0 19	8 9	1 12	24 28	2 32	2 20	2 21	19 37	6 51	5 35
M25	4 45	28 40	5 17	14 34	2 45	3 38	6 18	24 33	1 35	17 28	1 11	20 29	1 45	23 50	0 19	8 9	1 12	24 28	2 32	2 20	2 19	19 34	6 50	5 35
T 26	5 8	27 2	5 7	14 59	2 51	3 17	6 5	24 36	1 35	17 29	1 11	20 28	1 45	23 50	0 19	8 10	1 12	24 28	2 32	2 20	2 18	19 32	6 49	5 35
W27	5 31	23 40	4 38	15 20	2 55	2 57	5 52	24 39	1 35	17 29	1 10	20 28	1 45	23 50	0 19	8 10	1 12	24 28	2 32	2 20	2 17	19 29	6 47	5 36
T 28	5 54	18 49	3 51	15 38	2 59	2 38	5 39	24 41	1 35	17 29	1 10	20 28	1 45	23 50	0 19	8 11	1 12	24 28	2 33	2 21	2 15	19 26	6 46	5 36
F 29	6 16	12 50	2 49	15 52	3 1	2 20	5 25	24 44	1 35	17 29	1 10	20 27	1 45	23 50	0 19	8 11	1 12	24 29	2 33	2 21	2 14	19 24	6 45	5 36
S 30	6 39	6 8	1 36	16 4	3 3	2 2	5 12	24 46	1 34	17 30	1 10	20 27	1 45	23 50	0 19	8 12	1 12	24 29	2 33	2 21	2 13	19 21	6 44	5 36
S 31	7n 2	0n51	0s17	16n12	3n 3	1n46	4n58	24n49	1n34	17n30	1n10	20s27	1n45	23n50	0n19	8n12	1n12	24s29	2s33	2n21	2n12	19n18	6s42	5n36

Julian Day Number = 2188637.5, Delta T = 10m55s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'05, Lahiri = 13°49'05 Julian Calendar 1 March 1280 == Greg. Calendar 8 March 1280

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

APRIL 1280 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 7 49	18♈48'45	17♈11	5♉33	22°R51	21♊47	15°R 4	10°R59	1♋58	11°R57	20♑33	5°R55	5♈27	17♌34	28♒46	M 1
T 2	13 11 46	19°47'18	1♉20	5°44	22♓46	22°22	15♌ 3	10♐58	1°59	11♍56	20°34	5♈54	5°24	17°41	28°49	T 2
W 3	13 15 42	20°45'48	15°11	5°R50	22°43	22°57	15°D 3	10°56	2° 1	11°55	20°34	5°52	5°21	17°48	28°51	W 3
T 4	13 19 39	21°44'17	28°39	5°49	22°D43	23°32	15° 3	10°54	2° 3	11°53	20°34	5°50	5°18	17°54	28°54	T 4
F 5	13 23 35	22°42'43	11♊46	5°43	22°44	24° 7	15° 4	10°51	2° 4	11°52	20°35	5°48	5°14	18° 1	28°57	F 5
S 6	13 27 32	23°41'08	24°30	5°32	22°49	24°42	15° 4	10°49	2° 6	11°51	20°35	5°45	5°11	18° 8	29° 0	S 6
S 7	13 31 29	24°39'30	6♋56	5°15	22°55	25°17	15° 5	10°47	2° 8	11°50	20°35	5°44	5° 8	18°14	29° 2	S 7
M 8	13 35 25	25°37'50	19° 6	4°54	23° 4	25°52	15° 5	10°44	2°10	11°49	20°35	5°43	5° 5	18°21	29° 5	M 8
T 9	13 39 22	26°36'08	1♌ 5	4°29	23°14	26°27	15° 6	10°42	2°12	11°48	20°35	5°D43	5° 2	18°28	29° 8	T 9
W10	13 43 18	27°34'24	12°57	4° 0	23°27	27° 3	15° 7	10°39	2°14	11°47	20°35	5°43	4°58	18°34	29°10	W10
T 11	13 47 15	28°32'38	24°48	3°27	23°42	27°38	15° 9	10°37	2°16	11°46	20°36	5°45	4°55	18°41	29°13	T 11
F 12	13 51 11	29°30'49	6♍41	2°53	23°59	28°13	15°10	10°34	2°18	11°45	20°36	5°47	4°52	18°48	29°15	F 12
S 13	13 55 8	0♉28'59	18°42	2°16	24°17	28°48	15°12	10°31	2°20	11°44	20°36	5°48	4°49	18°55	29°17	S 13
S 14	13 59 4	1°27'07	0♎53	1°38	24°38	29°24	15°14	10°28	2°22	11°43	20°R36	5°R49	4°46	19° 1	29°20	S 14
M15	14 3 1	2°25'13	13°19	1° 0	25° 0	29°59	15°16	10°25	2°24	11°42	20°36	5°49	4°43	19° 8	29°22	M15
T 16	14 6 58	3°23'17	25°59	0°22	25°24	0♋35	15°18	10°22	2°26	11°41	20°36	5°47	4°39	19°15	29°24	T 16
W17	14 10 54	4°21'19	8♏57	29♈44	25°50	1°10	15°20	10°19	2°29	11°40	20°35	5°45	4°36	19°21	29°27	W17
T 18	14 14 51	5°19'20	22°10	29° 8	26°17	1°45	15°23	10°16	2°31	11°39	20°35	5°41	4°33	19°28	29°29	T 18
F 19	14 18 47	6°17'20	5♐38	28°35	26°46	2°21	15°26	10°13	2°33	11°38	20°35	5°36	4°30	19°35	29°31	F 19
S 20	14 22 44	7°15'17	19°20	28° 4	27°17	2°56	15°29	10°10	2°36	11°37	20°35	5°31	4°27	19°41	29°33	S 20
S 21	14 26 40	8°13'14	3♑12	27°35	27°49	3°32	15°32	10° 6	2°38	11°37	20°35	5°27	4°24	19°48	29°35	S 21
M22	14 30 37	9°11'09	17°13	27°11	28°22	4° 8	15°35	10° 3	2°40	11°36	20°35	5°24	4°20	19°55	29°37	M22
T 23	14 34 33	10° 9'03	1♒19	26°50	28°56	4°43	15°38	10° 0	2°43	11°35	20°34	5°22	4°17	20° 1	29°39	T 23
W24	14 38 30	11° 6'56	15°29	26°34	29°32	5°19	15°42	9°56	2°45	11°35	20°34	5°D22	4°14	20° 8	29°41	W24
T 25	14 42 27	12° 4'47	29°42	26°21	0♈ 9	5°54	15°46	9°52	2°48	11°34	20°34	5°23	4°11	20°15	29°42	T 25
F 26	14 46 23	13° 2'37	13♓54	26°13	0°47	6°30	15°50	9°49	2°51	11°33	20°34	5°24	4° 8	20°21	29°44	F 26
S 27	14 50 20	14° 0'26	28° 4	26°D10	1°27	7° 6	15°54	9°45	2°53	11°33	20°33	5°25	4° 4	20°28	29°46	S 27
S 28	14 54 16	14°58'13	12♈10	26°11	2° 7	7°42	15°58	9°41	2°56	11°32	20°33	5°R25	4° 1	20°35	29°47	S 28
M29	14 58 13	15°56'00	26° 8	26°17	2°49	8°17	16° 2	9°37	2°59	11°32	20°32	5°24	3°58	20°41	29°49	M29
T 30	15 2 9	16♉53'45	9♉55	26♈27	3♈31	8♋53	16♌ 7	9♐34	3♋ 1	11♍31	20♑32	5♈20	3♈55	20♌48	29♒51	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	7n24	7n44	1n 2	16n16	3n 2	1n30	4n45	24n51	1n34	17n30	1n10	20s27	1n45	23n50	0n19	8n13	1n12	24s29	2s33	2n21	2n10	19n16	6s41	5n37	M 1
T 2	7 46	14 7	2 16	16 18	2 59	1 16	4 31	24 53	1 34	17 30	1 10	20 26	1 45	23 50	0 19	8 13	1 12	24 29	2 33	2 21	2 9	19 13	6 40	5 37	T 2
W 3	8 8	19 39	3 20	16 16	2 55	1 2	4 17	24 54	1 34	17 30	1 10	20 26	1 46	23 50	0 19	8 13	1 12	24 29	2 34	2 20	2 8	19 10	6 39	5 37	W 3
T 4	8 30	24 2	4 12	16 11	2 50	0 50	4 4	24 56	1 34	17 29	1 9	20 25	1 46	23 50	0 19	8 14	1 12	24 29	2 34	2 20	2 7	19 8	6 38	5 37	T 4
F 5	8 52	27 3	4 48	16 3	2 43	0 38	3 51	24 58	1 33	17 29	1 9	20 25	1 46	23 50	0 19	8 14	1 12	24 29	2 34	2 19	2 5	19 5	6 37	5 38	F 5
S 6	9 14	28 34	5 9	15 51	2 35	0 28	3 37	24 59	1 33	17 29	1 9	20 25	1 46	23 50	0 19	8 15	1 12	24 29	2 34	2 18	2 4	19 2	6 35	5 38	S 6
S 7	9 35	28 36	5 15	15 37	2 26	0 18	3 24	25 0	1 33	17 29	1 9	20 24	1 46	23 50	0 19	8 15	1 11	24 30	2 34	2 17	2 3	19 0	6 34	5 38	S 7
M 8	9 57	27 14	5 7	15 20	2 16	0 10	3 11	25 1	1 33	17 28	1 9	20 24	1 46	23 50	0 19	8 16	1 11	24 30	2 34	2 17	2 2	18 57	6 33	5 38	M 8
T 9	10 18	24 38	4 45	15 0	2 4	0 2	2 59	25 2	1 33	17 28	1 9	20 23	1 46	23 50	0 19	8 16	1 11	24 30	2 35	2 17	2 0	18 54	6 32	5 38	T 9
W10	10 39	21 0	4 11	14 38	1 51	0s 4	2 46	25 3	1 33	17 27	1 9	20 23	1 46	23 50	0 19	8 16	1 11	24 30	2 35	2 17	1 59	18 52	6 31	5 39	W10
T 11	11 0	16 33	3 27	14 14	1 37	0 10	2 34	25 3	1 32	17 27	1 9	20 23	1 46	23 50	0 19	8 17	1 11	24 30	2 35	2 18	1 58	18 49	6 30	5 39	T 11
F 12	11 21	11 28	2 33	13 48	1 22	0 14	2 22	25 4	1 32	17 26	1 8	20 22	1 46	23 50	0 19	8 17	1 11	24 30	2 35	2 18	1 57	18 46	6 29	5 39	F 12
S 13	11 41	5 55	1 33	13 21	1 6	0 17	2 10	25 4	1 32	17 26	1 8	20 22	1 46	23 50	0 19	8 17	1 11	24 30	2 35	2 19	1 55	18 44	6 28	5 39	S 13
S 14	12 2	0 3	0 27	12 52	0 50	0 20	1 58	25 4	1 32	17 25	1 8	20 21	1 46	23 50	0 19	8 18	1 11	24 31	2 35	2 19	1 54	18 41	6 27	5 40	S 14
M15	12 22	5s54	0s41	12 23	0 33	0 21	1 47	25 4	1 32	17 24	1 8	20 21	1 46	23 50	0 19	8 18	1 11	24 31	2 36	2 19	1 53	18 38	6 26	5 40	M15
T 16	12 42	11 46	1 48	11 53	0 16	0 22	1 36	25 3	1 31	17 24	1 8	20 20	1 46	23 50	0 19	8 19	1 11	24 31	2 36	2 19	1 51	18 36	6 25	5 40	T 16
W17	13 1	17 15	2 52	11 24	0s 1	0 21	1 25	25 3	1 31	17 23	1 8	20 20	1 46	23 50	0 19	8 19	1 11	24 31	2 36	2 17	1 50	18 33	6 24	5 40	W17
T 18	13 21	22 2	3 47	10 55	0 19	0 20	1 15	25 2	1 31	17 22	1 8	20 19	1 47	23 50	0 19	8 19	1 11	24 31	2 36	2 16	1 49	18 30	6 23	5 41	T 18
F 19	13 40	25 46	4 31	10 27	0 36	0 18	1 5	25 2	1 31	17 21	1 7	20 19	1 47	23 49	0 19	8 19	1 11	24 31	2 36	2 14	1 48	18 27	6 22	5 41	F 19
S 20	13 59	28 5	5 0	10 1	0 52	0 15	0 55	25 1	1 31	17 20	1 7	20 18	1 47	23 49	0 19	8 20	1 11	24 32	2 36	2 12	1 46	18 25	6 21	5 41	S 20
S 21	14 18	28 41	5 12	9 36	1 9	0 11	0 45	25 0	1 30	17 19	1 7	20 18	1 47	23 49	0 19	8 20	1 11	24 32	2 37	2 10	1 45	18 22	6 20	5 41	S 21
M22	14 37	27 28	5 5	9 12	1 24	0 7	0 35	24 58	1 30	17 18	1 7	20 17	1 47	23 49	0 19	8 20	1 11	24 32	2 37	2 9	1 44	18 19	6 19	5 42	M22
T 23	14 55	24 30	4 41	8 51	1 39	0 1	0 26	24 57	1 30	17 17	1 7	20 17	1 47	23 49	0 19	8 20	1 11	24 32	2 37	2 9	1 43	18 16	6 18	5 42	T 23
W24	15 13	20 3	3 59	8 32	1 53	0n 5	0 17	24 55	1 30	17 15	1 7	20 16	1 47	23 49	0 19	8 21	1 11	24 32	2 37	2 8	1 41	18 14	6 17	5 42	W24
T 25	15 31	14 28	3 2	8 15	2 6	0 12	0 9	24 54	1 29	17 14	1 7	20 16	1 47	23 49	0 19	8 21	1 11	24 33	2 37	2 9	1 40	18 11	6 16	5 43	T 25
F 26	15 49	8 7	1 54	8 0	2 19	0 19	0 0	24 52	1 29	17 13	1 7	20 15	1 47	23 49	0 19	8 21	1 11	24 33	2 37	2 9	1 39	18 8	6 15	5 43	F 26
S 27	16 6	1 23	0 40	7 49	2 30	0 27	0s 8	24 50	1 29	17 11	1 6	20 14	1 47	23 49	0 19	8 21	1 11	24 33	2 37	2 10	1 38	18 5	6 15	5 43	S 27
S 28	16 24	5n23	0n37	7 39	2 41	0 36	0 16	24 47	1 29	17 10	1 6	20 14	1 47	23 49	0 19	8 22	1 11	24 33	2 38	2 10	1 36	18 3	6 14	5 43	S 28
M29	16 40	11 50	1 50	7 33	2 50	0 46	0 24	24 45	1 29	17 9	1 6	20 13	1 47	23 49	0 19	8 22	1 11	24 33	2 38	2 9	1 35	18 0	6 13	5 44	M29
T 30	16n57	17n38	2n56	7n29	2s58	0n56	0s31	24n42	1n28	17n 7	1n 6	20s13	1n47	23n49	0n19	8n22	1n11	24s34	2s38	2n 8	1n34	17n57	6s12	5n44	T 30

Julian Day Number = 2188668.5, Delta T = 10m55s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'09, Lahiri = 13°49'10 Julian Calendar 1 Apr. 1280 == Greg. Calendar 8 Apr. 1280

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

MAY 1280 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 6 6	17♉51'28	23♉29	26♈42	4♈14	9♋29	16♌12	9°R30	3♋ 4	11°R31	20°R32	5°R15	3♈52	20♌55	29♒52	W 1
T 2	15 10 2	18°49'11	6♊46	27° 2	4°59	10° 5	16°17	9♐26	3° 7	11♍30	20♑31	5♈ 8	3°49	21° 2	29°53	T 2
F 3	15 13 59	19°46'52	19°45	27°25	5°44	10°41	16°22	9°22	3°10	11°30	20°31	5° 0	3°45	21° 8	29°55	F 3
S 4	15 17 56	20°44'32	2♋27	27°53	6°30	11°17	16°27	9°18	3°13	11°30	20°30	4°52	3°42	21°15	29°56	S 4
S 5	15 21 52	21°42'10	14°51	28°25	7°17	11°53	16°32	9°14	3°16	11°29	20°29	4°46	3°39	21°22	29°57	S 5
M 6	15 25 49	22°39'47	27° 1	29° 1	8° 4	12°29	16°38	9° 9	3°19	11°29	20°29	4°41	3°36	21°28	29°59	M 6
T 7	15 29 45	23°37'22	9♌ 0	29°41	8°53	13° 5	16°43	9° 5	3°21	11°29	20°28	4°38	3°33	21°35	29°59	T 7
W 8	15 33 42	24°34'55	20°52	0♉25	9°42	13°41	16°49	9° 1	3°24	11°28	20°28	4°D36	3°29	21°42	0♓ 1	W 8
T 9	15 37 38	25°32'28	2♍42	1°13	10°32	14°17	16°55	8°57	3°28	11°28	20°27	4°36	3°26	21°48	0° 2	T 9
F 10	15 41 35	26°29'58	14°36	2° 4	11°22	14°53	17° 1	8°53	3°31	11°28	20°26	4°37	3°23	21°55	0° 3	F 10
S 11	15 45 31	27°27'28	26°38	2°58	12°13	15°29	17° 7	8°48	3°34	11°28	20°26	4°39	3°20	22° 2	0° 4	S 11
S 12	15 49 28	28°24'56	8♎54	3°56	13° 5	16° 5	17°14	8°44	3°37	11°28	20°25	4°R39	3°17	22° 8	0° 5	S 12
M13	15 53 25	29°22'23	21°27	4°57	13°57	16°41	17°20	8°40	3°40	11°28	20°24	4°37	3°14	22°15	0° 5	M13
T 14	15 57 21	0♊19'49	4♏20	6° 2	14°50	17°17	17°27	8°35	3°43	11°28	20°23	4°34	3°10	22°22	0° 6	T 14
W15	16 1 18	1°17'13	17°35	7° 9	15°44	17°53	17°34	8°31	3°46	11°D28	20°22	4°28	3° 7	22°28	0° 7	W15
T 16	16 5 14	2°14'37	1♐11	8°20	16°38	18°30	17°41	8°27	3°49	11°28	20°22	4°20	3° 4	22°35	0° 8	T 16
F 17	16 9 11	3°11'59	15° 5	9°34	17°32	19° 6	17°48	8°22	3°53	11°28	20°21	4°11	3° 1	22°42	0° 8	F 17
S 18	16 13 7	4° 9'21	29°14	10°51	18°27	19°42	17°55	8°18	3°56	11°28	20°20	4° 2	2°58	22°48	0° 9	S 18
S 19	16 17 4	5° 6'43	13♑32	12°10	19°23	20°18	18° 2	8°14	3°59	11°28	20°19	3°53	2°55	22°55	0° 9	S 19
M20	16 21 1	6° 4'03	27°54	13°33	20°19	20°55	18°10	8° 9	4° 2	11°28	20°18	3°46	2°51	23° 2	0°10	M20
T 21	16 24 57	7° 1'23	12♒15	14°58	21°16	21°31	18°17	8° 5	4° 6	11°28	20°17	3°42	2°48	23° 8	0°10	T 21
W22	16 28 54	7°58'42	26°31	16°27	22°13	22° 7	18°25	8° 0	4° 9	11°28	20°16	3°39	2°45	23°15	0°10	W22
T 23	16 32 50	8°56'01	10♓41	17°58	23°10	22°44	18°33	7°56	4°12	11°29	20°15	3°D39	2°42	23°22	0°10	T 23
F 24	16 36 47	9°53'20	24°42	19°32	24° 8	23°20	18°41	7°51	4°16	11°29	20°14	3°39	2°39	23°28	0°11	F 24
S 25	16 40 43	10°50'38	8♈34	21° 9	25° 6	23°56	18°49	7°47	4°19	11°29	20°13	3°R39	2°35	23°35	0°11	S 25
S 26	16 44 40	11°47'55	22°17	22°48	26° 4	24°33	18°57	7°43	4°23	11°29	20°12	3°38	2°32	23°42	0°R11	S 26
M27	16 48 36	12°45'12	5♉50	24°30	27° 3	25° 9	19° 5	7°38	4°26	11°30	20°11	3°34	2°29	23°48	0°11	M27
T 28	16 52 33	13°42'29	19°13	26°15	28° 3	25°46	19°13	7°34	4°29	11°30	20°10	3°28	2°26	23°55	0°11	T 28
W29	16 56 30	14°39'46	2♊25	28° 3	29° 2	26°22	19°22	7°29	4°33	11°31	20° 9	3°19	2°23	24° 2	0°11	W29
T 30	17 0 26	15°37'02	15°24	29°53	0♉ 2	26°59	19°31	7°25	4°36	11°31	20° 8	3° 8	2°20	24° 9	0°10	T 30
F 31	17 4 23	16♊34'17	28♊ 9	1♊46	1♉ 2	27♋35	19♌39	7♐21	4♋40	11♍32	20♑ 7	2♈56	2♈16	24♌15	0♓10	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17n13	22n26	3n51	7n27	3s 6	1n 6	0s38	24n40	1n28	17n 6	1n 6	20s12	1n47	23n49	0n19	8n22	1n11	24s34	2s38	2n 5	1n32	17n54	6s11	5n44
T 2	17 29	25 59	4 32	7 28	3 12	1 18	0 45	24 37	1 28	17 4	1 6	20 12	1 47	23 49	0 19	8 22	1 11	24 34	2 38	2 3	1 31	17 51	6 11	5 45
F 3	17 45	28 5	4 57	7 31	3 18	1 29	0 52	24 34	1 28	17 2	1 6	20 11	1 47	23 49	0 19	8 22	1 11	24 34	2 38	2 0	1 30	17 49	6 10	5 45
S 4	18 1	28 38	5 8	7 37	3 22	1 42	0 58	24 30	1 27	17 1	1 5	20 10	1 47	23 49	0 19	8 22	1 11	24 35	2 39	1 57	1 29	17 46	6 9	5 45
S 5	18 16	27 44	5 3	7 45	3 26	1 55	1 5	24 27	1 27	16 59	1 5	20 10	1 47	23 48	0 19	8 23	1 11	24 35	2 39	1 54	1 27	17 43	6 8	5 45
M 6	18 31	25 30	4 45	7 55	3 29	2 8	1 11	24 23	1 27	16 57	1 5	20 9	1 47	23 48	0 19	8 23	1 11	24 35	2 39	1 52	1 26	17 40	6 8	5 46
T 7	18 45	22 10	4 15	8 7	3 30	2 22	1 17	24 20	1 27	16 55	1 5	20 8	1 47	23 48	0 19	8 23	1 11	24 35	2 39	1 51	1 25	17 37	6 7	5 46
W 8	18 59	17 58	3 34	8 22	3 31	2 36	1 22	24 16	1 26	16 53	1 5	20 8	1 47	23 48	0 19	8 23	1 11	24 36	2 39	1 50	1 24	17 35	6 6	5 46
T 9	19 13	13 5	2 43	8 38	3 32	2 51	1 28	24 12	1 26	16 51	1 5	20 7	1 47	23 48	0 19	8 23	1 11	24 36	2 39	1 50	1 22	17 32	6 6	5 47
F 10	19 27	7 43	1 46	8 56	3 31	3 6	1 33	24 7	1 26	16 49	1 5	20 7	1 47	23 48	0 19	8 23	1 11	24 36	2 40	1 51	1 21	17 29	6 5	5 47
S 11	19 40	2 0	0 43	9 16	3 29	3 21	1 38	24 3	1 26	16 47	1 5	20 6	1 47	23 48	0 19	8 23	1 11	24 36	2 40	1 51	1 20	17 26	6 4	5 47
S 12	19 53	3s54	0s23	9 38	3 27	3 37	1 42	23 58	1 25	16 45	1 5	20 5	1 47	23 48	0 19	8 23	1 11	24 37	2 40	1 51	1 19	17 23	6 4	5 48
M13	20 6	9 46	1 29	10 1	3 24	3 53	1 47	23 54	1 25	16 43	1 4	20 5	1 47	23 48	0 19	8 23	1 11	24 37	2 40	1 51	1 17	17 21	6 3	5 48
T 14	20 18	15 24	2 32	10 26	3 21	4 9	1 51	23 49	1 25	16 41	1 4	20 4	1 47	23 48	0 19	8 23	1 11	24 37	2 40	1 49	1 16	17 18	6 3	5 48
W15	20 30	20 29	3 29	10 52	3 16	4 26	1 56	23 44	1 25	16 39	1 4	20 3	1 47	23 48	0 19	8 23	1 11	24 37	2 40	1 47	1 15	17 15	6 2	5 48
T 16	20 42	24 38	4 15	11 19	3 11	4 43	2 0	23 39	1 24	16 37	1 4	20 3	1 47	23 48	0 19	8 23	1 10	24 38	2 40	1 44	1 13	17 12	6 2	5 49
F 17	20 53	27 27	4 48	11 48	3 6	5 1	2 3	23 33	1 24	16 34	1 4	20 2	1 47	23 47	0 19	8 23	1 10	24 38	2 41	1 40	1 12	17 9	6 1	5 49
S 18	21 4	28 35	5 3	12 17	3 0	5 18	2 7	23 28	1 24	16 32	1 4	20 2	1 46	23 47	0 19	8 23	1 10	24 38	2 41	1 36	1 11	17 6	6 1	5 49
S 19	21 14	27 49	5 0	12 48	2 53	5 36	2 10	23 22	1 24	16 30	1 4	20 1	1 46	23 47	0 19	8 23	1 10	24 38	2 41	1 33	1 10	17 3	6 0	5 50
M20	21 24	25 12	4 38	13 20	2 46	5 54	2 14	23 16	1 23	16 27	1 4	20 0	1 46	23 47	0 19	8 23	1 10	24 39	2 41	1 30	1 8	17 1	6 0	5 50
T 21	21 34	21 0	3 58	13 53	2 38	6 13	2 17	23 10	1 23	16 25	1 3	20 0	1 46	23 47	0 19	8 22	1 10	24 39	2 41	1 28	1 7	16 58	5 59	5 50
W22	21 44	15 37	3 4	14 26	2 30	6 31	2 20	23 4	1 23	16 22	1 3	19 59	1 46	23 47	0 19	8 22	1 10	24 39	2 41	1 28	1 6	16 55	5 59	5 51
T 23	21 53	9 26	1 59	15 0	2 21	6 50	2 22	22 58	1 22	16 20	1 3	19 58	1 46	23 47	0 19	8 22	1 10	24 40	2 41	1 27	1 5	16 52	5 59	5 51
F 24	22 1	2 51	0 48	15 34	2 12	7 9	2 25	22 52	1 22	16 17	1 3	19 58	1 46	23 47	0 19	8 22	1 10	24 40	2 42	1 27	1 3	16 49	5 58	5 51
S 25	22 10	3n48	0n26	16 9	2 2	7 28	2 27	22 45	1 22	16 15	1 3	19 57	1 46	23 47	0 19	8 22	1 10	24 40	2 42	1 27	1 2	16 46	5 58	5 51
S 26	22 18	10 13	1 37	16 44	1 52	7 47	2 29	22 38	1 22	16 12	1 3	19 56	1 46	23 47	0 19	8 22	1 10	24 40	2 42	1 27	1 1	16 43	5 58	5 52
M27	22 25	16 4	2 42	17 20	1 42	8 7	2 32	22 31	1 21	16 9	1 3	19 56	1 46	23 46	0 19	8 22	1 10	24 41	2 42	1 26	1 0	16 40	5 57	5 52
T 28	22 32	21 4	3 37	17 55	1 31	8 26	2 33	22 24	1 21	16 7	1 3	19 55	1 46	23 46	0 19	8 21	1 10	24 41	2 42	1 23	0 58	16 38	5 57	5 52
W29	22 39	24 57	4 19	18 30	1 20	8 45	2 35	22 17	1 21	16 4	1 3	19 55	1 46	23 46	0 19	8 21	1 10	24 41	2 42	1 19	0 57	16 35	5 57	5 53
T 30	22 45	27 29	4 47	19 5	1 9	9 5	2 37	22 10	1 20	16 1	1 3	19 54	1 46	23 46	0 19	8 21	1 10	24 42	2 42	1 15	0 56	16 32	5 57	5 53
F 31	22n51	28n31	5n 0	19n39	0s58	9n25	2s38	22n 2	1n20	15n58	1n 2	19s53	1n46	23n46	0n19	8n21	1n10	24s42	2s43	1n10	0n54	16n29	5s57	5n53

Julian Day Number = 2188698.5, Delta T = 10m55s
Ecliptic obliquity = 23°32'07, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'13, Lahiri = 13°49'14 Julian Calendar 1 May 1280 == Greg. Calendar 8 May 1280

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

JUNE 1280 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 8 19	17♊31'32	10♋40	3♊42	2♉ 3	28♋12	19♌48	7°R16	4♋43	11♍32	20°R 6	2°R43	2♈13	24♌22	0°R10	S 1
S 2	17 12 16	18°28'47	22°58	5°39	3° 4	28°48	19°57	7♐12	4°47	11°33	20♑ 5	2♈32	2°10	24°29	0♓ 9	S 2
M 3	17 16 12	19°26'00	5♌ 4	7°39	4° 5	29°25	20° 6	7° 8	4°50	11°33	20° 3	2°23	2° 7	24°35	0° 9	M 3
T 4	17 20 9	20°23'14	17° 0	9°42	5° 7	0♌ 2	20°15	7° 4	4°54	11°34	20° 2	2°17	2° 4	24°42	0° 9	T 4
W 5	17 24 5	21°20'26	28°50	11°46	6° 8	0°38	20°25	6°59	4°58	11°35	20° 1	2°12	2° 1	24°49	0° 8	W 5
T 6	17 28 2	22°17'38	10♍39	13°51	7°10	1°15	20°34	6°55	5° 1	11°35	20° 0	2°10	1°57	24°55	0° 7	T 6
F 7	17 31 59	23°14'50	22°32	15°59	8°13	1°52	20°43	6°51	5° 5	11°36	19°59	2°D10	1°54	25° 2	0° 7	F 7
S 8	17 35 55	24°12'01	4♎33	18° 7	9°15	2°29	20°53	6°47	5° 8	11°37	19°57	2°R10	1°51	25° 9	0° 6	S 8
S 9	17 39 52	25° 9'11	16°49	20°17	10°18	3° 5	21° 2	6°43	5°12	11°38	19°56	2°10	1°48	25°15	0° 5	S 9
M10	17 43 48	26° 6'21	29°25	22°27	11°21	3°42	21°12	6°39	5°15	11°38	19°55	2° 7	1°45	25°22	0° 5	M10
T 11	17 47 45	27° 3'31	12♏24	24°38	12°24	4°19	21°22	6°35	5°19	11°39	19°54	2° 3	1°41	25°29	0° 4	T 11
W12	17 51 41	28° 0'40	25°48	26°49	13°28	4°56	21°32	6°31	5°23	11°40	19°52	1°56	1°38	25°35	0° 3	W12
T 13	17 55 38	28°57'50	9♐39	28°59	14°31	5°33	21°42	6°27	5°26	11°41	19°51	1°46	1°35	25°42	0° 2	T 13
F 14	17 59 34	29°54'59	23°53	1♋10	15°35	6° 9	21°52	6°23	5°30	11°42	19°50	1°36	1°32	25°49	0° 1	F 14
S 15	18 3 31	0♋52'08	8♑25	3°19	16°39	6°46	22° 2	6°19	5°33	11°43	19°48	1°24	1°29	25°55	29♒59	S 15
S 16	18 7 28	1°49'17	23° 9	5°28	17°44	7°23	22°13	6°15	5°37	11°44	19°47	1°14	1°26	26° 2	29°59	S 16
M17	18 11 24	2°46'26	7♒56	7°36	18°48	8° 0	22°23	6°12	5°41	11°45	19°46	1° 5	1°22	26° 9	29°57	M17
T 18	18 15 21	3°43'36	22°38	9°42	19°53	8°37	22°33	6° 8	5°44	11°46	19°44	0°59	1°19	26°15	29°56	T 18
W19	18 19 17	4°40'46	7♓ 9	11°47	20°58	9°14	22°44	6° 4	5°48	11°47	19°43	0°56	1°16	26°22	29°55	W19
T 20	18 23 14	5°37'56	21°27	13°51	22° 3	9°51	22°54	6° 1	5°52	11°48	19°42	0°55	1°13	26°29	29°54	T 20
F 21	18 27 10	6°35'07	5♈28	15°53	23° 8	10°28	23° 5	5°57	5°55	11°49	19°40	0°54	1°10	26°35	29°52	F 21
S 22	18 31 7	7°32'18	19°13	17°53	24°14	11° 5	23°16	5°54	5°59	11°50	19°39	0°54	1° 7	26°42	29°51	S 22
S 23	18 35 3	8°29'29	2♉43	19°52	25°19	11°42	23°27	5°51	6° 3	11°52	19°37	0°53	1° 3	26°49	29°49	S 23
M24	18 39 0	9°26'42	15°59	21°49	26°25	12°19	23°38	5°47	6° 6	11°53	19°36	0°49	1° 0	26°55	29°48	M24
T 25	18 42 57	10°23'55	29° 2	23°44	27°31	12°57	23°48	5°44	6°10	11°54	19°35	0°42	0°57	27° 2	29°46	T 25
W26	18 46 53	11°21'08	11♊53	25°37	28°37	13°34	24° 0	5°41	6°13	11°55	19°33	0°33	0°54	27° 9	29°44	W26
T 27	18 50 50	12°18'22	24°33	27°28	29°44	14°11	24°11	5°38	6°17	11°57	19°32	0°21	0°51	27°15	29°43	T 27
F 28	18 54 46	13°15'37	7♋ 2	29°18	0♊50	14°48	24°22	5°35	6°21	11°58	19°30	0° 8	0°47	27°22	29°41	F 28
S 29	18 58 43	14°12'52	19°20	1♌ 5	1°57	15°25	24°33	5°32	6°24	11°59	19°29	29♓55	0°44	27°29	29°39	S 29
S 30	19 2 39	15♋10'07	1♌28	2♌51	3♊ 4	16♌ 3	24♌44	5♐29	6♋28	12♍ 1	19♑28	29♓44	0♈41	27♌35	29♒37	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n57	28n 4	4n58	20n13	0s47	9n44	2s39	21n55	1n20	15n55	1n 2	19s53	1n45	23n46	0n19	8n21	1n10	24s42	2s43	1n 5	0n53	16n26	5s56	5n54
S 2	23 2	26 13	4 43	20 45	0 35	10 4	2 41	21 47	1 20	15 52	1 2	19 52	1 45	23 46	0 19	8 20	1 10	24 43	2 43	1 1	0 52	16 23	5 56	5 54
M 3	23 7	23 11	4 14	21 17	0 24	10 24	2 42	21 39	1 19	15 49	1 2	19 52	1 45	23 46	0 19	8 20	1 10	24 43	2 43	0 57	0 51	16 20	5 56	5 54
T 4	23 11	19 13	3 35	21 47	0 12	10 43	2 43	21 31	1 19	15 46	1 2	19 51	1 45	23 45	0 19	8 20	1 10	24 43	2 43	0 54	0 49	16 17	5 56	5 54
W 5	23 15	14 32	2 47	22 16	0 1	11 3	2 43	21 22	1 19	15 43	1 2	19 50	1 45	23 45	0 19	8 20	1 10	24 44	2 43	0 53	0 48	16 14	5 56	5 55
T 6	23 19	9 19	1 51	22 43	0n10	11 23	2 44	21 14	1 18	15 40	1 2	19 50	1 45	23 45	0 19	8 19	1 10	24 44	2 43	0 52	0 47	16 11	5 56	5 55
F 7	23 22	3 45	0 51	23 8	0 20	11 42	2 44	21 6	1 18	15 37	1 2	19 49	1 45	23 45	0 19	8 19	1 10	24 44	2 43	0 52	0 46	16 8	5 56	5 55
S 8	23 24	2s 1	0s13	23 31	0 31	12 2	2 45	20 57	1 18	15 34	1 2	19 49	1 45	23 45	0 19	8 19	1 10	24 44	2 44	0 52	0 44	16 5	5 56	5 56
S 9	23 27	7 49	1 17	23 51	0 41	12 21	2 45	20 48	1 18	15 31	1 2	19 48	1 44	23 45	0 19	8 18	1 10	24 45	2 44	0 52	0 43	16 3	5 56	5 56
M10	23 29	13 28	2 19	24 9	0 50	12 41	2 45	20 39	1 17	15 28	1 2	19 47	1 44	23 45	0 19	8 18	1 10	24 45	2 44	0 51	0 42	16 0	5 56	5 56
T 11	23 30	18 43	3 16	24 24	0 59	13 0	2 45	20 30	1 17	15 24	1 2	19 47	1 44	23 45	0 19	8 18	1 10	24 45	2 44	0 49	0 41	15 57	5 56	5 56
W12	23 31	23 13	4 3	24 37	1 7	13 19	2 45	20 21	1 17	15 21	1 1	19 46	1 44	23 44	0 19	8 17	1 10	24 46	2 44	0 46	0 39	15 54	5 56	5 57
T 13	23 32	26 35	4 39	24 47	1 15	13 38	2 44	20 12	1 16	15 18	1 1	19 46	1 44	23 44	0 19	8 17	1 10	24 46	2 44	0 42	0 38	15 51	5 56	5 57
F 14	23 32	28 21	4 58	24 53	1 22	13 57	2 44	20 2	1 16	15 14	1 1	19 45	1 44	23 44	0 19	8 17	1 10	24 46	2 44	0 38	0 37	15 48	5 56	5 57
S 15	23 32	28 13	4 58	24 57	1 28	14 16	2 43	19 52	1 16	15 11	1 1	19 45	1 44	23 44	0 19	8 16	1 10	24 47	2 44	0 34	0 35	15 45	5 56	5 58
S 16	23 31	26 7	4 39	24 59	1 33	14 35	2 43	19 43	1 15	15 8	1 1	19 44	1 44	23 44	0 19	8 16	1 10	24 47	2 45	0 29	0 34	15 42	5 56	5 58
M17	23 30	22 14	4 1	24 57	1 38	14 53	2 42	19 33	1 15	15 4	1 1	19 44	1 43	23 44	0 19	8 15	1 10	24 47	2 45	0 26	0 33	15 39	5 56	5 58
T 18	23 29	16 59	3 7	24 53	1 42	15 11	2 41	19 23	1 15	15 1	1 1	19 43	1 43	23 43	0 19	8 15	1 10	24 48	2 45	0 24	0 32	15 36	5 57	5 58
W19	23 27	10 48	2 2	24 46	1 46	15 29	2 40	19 13	1 14	14 57	1 1	19 43	1 43	23 43	0 19	8 14	1 9	24 48	2 45	0 22	0 30	15 33	5 57	5 59
T 20	23 25	4 10	0 50	24 36	1 48	15 47	2 39	19 2	1 14	14 54	1 1	19 42	1 43	23 43	0 19	8 14	1 9	24 48	2 45	0 22	0 29	15 30	5 57	5 59
F 21	23 22	2n33	0n24	24 25	1 50	16 5	2 38	18 52	1 14	14 50	1 1	19 42	1 43	23 43	0 19	8 14	1 9	24 48	2 45	0 22	0 28	15 27	5 57	5 59
S 22	23 19	9 1	1 35	24 10	1 51	16 22	2 37	18 41	1 13	14 46	1 1	19 42	1 43	23 43	0 19	8 13	1 9	24 49	2 45	0 22	0 27	15 24	5 58	5 59
S 23	23 16	14 58	2 40	23 54	1 52	16 39	2 35	18 31	1 13	14 43	1 1	19 41	1 42	23 43	0 19	8 13	1 9	24 49	2 45	0 21	0 25	15 21	5 58	6 0
M24	23 12	20 6	3 34	23 36	1 52	16 56	2 34	18 20	1 13	14 39	1 1	19 41	1 42	23 43	0 19	8 12	1 9	24 49	2 45	0 19	0 24	15 18	5 58	6 0
T 25	23 8	24 12	4 17	23 16	1 51	17 13	2 32	18 9	1 12	14 35	1 1	19 40	1 42	23 42	0 19	8 12	1 9	24 50	2 45	0 17	0 23	15 15	5 58	6 0
W26	23 3	27 1	4 45	22 54	1 49	17 29	2 31	17 58	1 12	14 32	1 1	19 40	1 42	23 42	0 19	8 11	1 9	24 50	2 46	0 13	0 21	15 12	5 59	6 0
T 27	22 58	28 24	4 59	22 30	1 47	17 45	2 29	17 47	1 12	14 28	1 1	19 40	1 42	23 42	0 19	8 11	1 9	24 50	2 46	0 8	0 20	15 9	5 59	6 1
F 28	22 52	28 19	4 58	22 5	1 45	18 0	2 27	17 36	1 11	14 24	1 0	19 39	1 42	23 42	0 19	8 10	1 9	24 51	2 46	0 3	0 19	15 6	6 0	6 1
S 29	22 46	26 49	4 44	21 39	1 41	18 16	2 25	17 24	1 11	14 20	1 0	19 39	1 41	23 42	0 19	8 10	1 9	24 51	2 46	0s 2	0 18	15 3	6 0	6 1
S 30	22n40	24n 5	4n17	21n11	1n38	18n30	2s23	17n13	1n11	14n17	1n 0	19s39	1n41	23n42	0n19	8n 9	1n 9	24s51	2s46	0s 7	0n16	15n 0	6s 0	6n 1

Julian Day Number = 2188729.5, Delta T = 10m55s
Ecliptic obliquity = 23°32'06, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'18, Lahiri = 13°49'18 Julian Calendar 1 June 1280 == Greg. Calendar 8 June 1280

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

JULY 1280 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 6 36	16♋ 7'23	13♌27	4♌35	4♊11	16♌40	24♌56	5°R26	6♋32	12♍ 2	19°R26	29°R34	0♈38	27♌42	29°R35	M 1
T 2	19 10 33	17° 4'39	25°19	6°17	5°18	17°17	25° 7	5♐23	6°35	12° 3	19♉25	29♓27	0°35	27°49	29♒34	T 2
W 3	19 14 29	18° 1'55	7♍ 6	7°57	6°25	17°55	25°19	5°21	6°39	12° 5	19°23	29°22	0°32	27°55	29°32	W 3
T 4	19 18 26	18°59'12	18°54	9°36	7°32	18°32	25°30	5°18	6°42	12° 6	19°22	29°20	0°28	28° 2	29°30	T 4
F 5	19 22 22	19°56'29	0♎45	11°12	8°40	19°10	25°42	5°15	6°46	12° 8	19°20	29°D19	0°25	28° 9	29°28	F 5
S 6	19 26 19	20°53'47	12°45	12°47	9°47	19°47	25°54	5°13	6°49	12° 9	19°19	29°20	0°22	28°15	29°25	S 6
S 7	19 30 15	21°51'05	25° 0	14°20	10°55	20°24	26° 5	5°11	6°53	12°11	19°18	29°R20	0°19	28°22	29°23	S 7
M 8	19 34 12	22°48'24	7♏33	15°51	12° 3	21° 2	26°17	5° 8	6°56	12°13	19°16	29°19	0°16	28°29	29°21	M 8
T 9	19 38 8	23°45'43	20°31	17°20	13°11	21°39	26°29	5° 6	7° 0	12°14	19°15	29°16	0°13	28°35	29°19	T 9
W10	19 42 5	24°43'02	3♐57	18°47	14°19	22°17	26°41	5° 4	7° 4	12°16	19°13	29°11	0° 9	28°42	29°17	W10
T 11	19 46 2	25°40'23	17°51	20°13	15°27	22°55	26°53	5° 2	7° 7	12°17	19°12	29° 3	0° 6	28°49	29°14	T 11
F 12	19 49 58	26°37'44	2♑13	21°36	16°35	23°32	27° 5	5° 0	7°11	12°19	19°10	28°55	0° 3	28°55	29°12	F 12
S 13	19 53 55	27°35'05	16°58	22°58	17°44	24°10	27°17	4°58	7°14	12°21	19° 9	28°45	29♓59	29° 2	29°10	S 13
S 14	19 57 51	28°32'28	1♒58	24°17	18°52	24°47	27°29	4°57	7°17	12°22	19° 8	28°37	29°57	29° 9	29° 7	S 14
M15	20 1 48	29°29'51	17° 5	25°34	20° 1	25°25	27°41	4°55	7°21	12°24	19° 6	28°30	29°53	29°15	29° 5	M15
T 16	20 5 44	0♌27'16	2♓ 7	26°50	21°10	26° 3	27°53	4°53	7°24	12°26	19° 5	28°25	29°50	29°22	29° 2	T 16
W17	20 9 41	1°24'41	16°58	28° 3	22°19	26°40	28° 5	4°52	7°28	12°28	19° 3	28°22	29°47	29°29	29° 0	W17
T 18	20 13 37	2°22'08	1♈30	29°14	23°28	27°18	28°18	4°50	7°31	12°30	19° 2	28°D22	29°44	29°35	28°57	T 18
F 19	20 17 34	3°19'36	15°41	0♍22	24°37	27°56	28°30	4°49	7°34	12°31	19° 1	28°23	29°41	29°42	28°55	F 19
S 20	20 21 31	4°17'06	29°30	1°29	25°46	28°34	28°42	4°48	7°38	12°33	18°59	28°R23	29°38	29°49	28°52	S 20
S 21	20 25 27	5°14'37	12♉58	2°32	26°56	29°12	28°55	4°47	7°41	12°35	18°58	28°23	29°34	29°55	28°50	S 21
M22	20 29 24	6°12'09	26° 6	3°33	28° 5	29°49	29° 7	4°46	7°44	12°37	18°57	28°21	29°31	0♍ 2	28°47	M22
T 23	20 33 20	7° 9'43	8♊57	4°32	29°15	0♍27	29°20	4°45	7°48	12°39	18°55	28°17	29°28	0° 9	28°44	T 23
W24	20 37 17	8° 7'18	21°34	5°28	0♋25	1° 5	29°32	4°44	7°51	12°41	18°54	28°11	29°25	0°15	28°42	W24
T 25	20 41 13	9° 4'55	3♋59	6°20	1°34	1°43	29°45	4°43	7°54	12°43	18°53	28° 3	29°22	0°22	28°39	T 25
F 26	20 45 10	10° 2'33	16°13	7°10	2°44	2°21	29°57	4°43	7°58	12°44	18°51	27°55	29°19	0°29	28°36	F 26
S 27	20 49 6	11° 0'13	28°18	7°56	3°54	2°59	0♍10	4°42	8° 1	12°46	18°50	27°46	29°15	0°35	28°33	S 27
S 28	20 53 3	11°57'53	10♌17	8°39	5° 4	3°37	0°22	4°42	8° 4	12°48	18°49	27°38	29°12	0°42	28°31	S 28
M29	20 57 0	12°55'35	22° 9	9°18	6°15	4°15	0°35	4°41	8° 7	12°50	18°47	27°31	29° 9	0°49	28°28	M29
T 30	21 0 56	13°53'19	3♍58	9°53	7°25	4°54	0°48	4°41	8°10	12°52	18°46	27°26	29° 6	0°55	28°25	T 30
W31	21 4 53	14♌51'03	15♍44	10♍24	8♋35	5♍32	1♍ 1	4♐41	8♋13	12♍54	18♑45	27♓24	29♓ 3	1♍ 2	28♒22	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n33	20n20	3n38	20n42	1n33	18n45	2s21	17n 1	1n10	14n13	1n 0	19s38	1n41	23n41	0n19	8n 8	1n 9	24s52	2s46	0s10	0n15	14n57	6s 1	6n 1
T 2	22 26	15 48	2 50	20 12	1 28	18 59	2 19	16 50	1 10	14 9	1 0	19 38	1 41	23 41	0 19	8 8	1 9	24 52	2 46	0 13	0 14	14 54	6 1	6 2
W 3	22 19	10 43	1 55	19 41	1 23	19 13	2 17	16 38	1 10	14 5	1 0	19 38	1 41	23 41	0 19	8 7	1 9	24 52	2 46	0 15	0 13	14 51	6 2	6 2
T 4	22 11	5 15	0 55	19 10	1 17	19 26	2 15	16 26	1 9	14 1	1 0	19 37	1 40	23 41	0 19	8 7	1 9	24 52	2 46	0 16	0 11	14 48	6 2	6 2
F 5	22 3	0s25	0s 8	18 37	1 11	19 39	2 13	16 14	1 9	13 57	1 0	19 37	1 40	23 41	0 19	8 6	1 9	24 53	2 46	0 16	0 10	14 45	6 3	6 2
S 6	21 54	6 9	1 11	18 4	1 5	19 52	2 10	16 2	1 9	13 53	1 0	19 37	1 40	23 41	0 19	8 5	1 9	24 53	2 47	0 16	0 9	14 42	6 3	6 2
S 7	21 45	11 46	2 12	17 31	0 58	20 4	2 8	15 49	1 8	13 49	1 0	19 37	1 40	23 40	0 19	8 5	1 9	24 53	2 47	0 16	0 8	14 39	6 4	6 3
M 8	21 36	17 4	3 9	16 57	0 50	20 15	2 5	15 37	1 8	13 45	1 0	19 36	1 40	23 40	0 19	8 4	1 9	24 54	2 47	0 16	0 6	14 36	6 5	6 3
T 9	21 26	21 46	3 58	16 23	0 42	20 27	2 3	15 25	1 8	13 41	1 0	19 36	1 40	23 40	0 19	8 4	1 9	24 54	2 47	0 18	0 5	14 33	6 5	6 3
W10	21 16	25 32	4 35	15 48	0 34	20 37	2 0	15 12	1 7	13 37	1 0	19 36	1 39	23 40	0 19	8 3	1 9	24 54	2 47	0 20	0 4	14 30	6 6	6 3
T 11	21 6	27 56	4 58	15 13	0 26	20 48	1 57	14 59	1 7	13 32	1 0	19 36	1 39	23 40	0 19	8 2	1 9	24 54	2 47	0 23	0 2	14 26	6 6	6 3
F 12	20 55	28 34	5 4	14 38	0 17	20 57	1 55	14 47	1 7	13 28	1 0	19 36	1 39	23 40	0 19	8 2	1 9	24 55	2 47	0 26	0 1	14 23	6 7	6 4
S 13	20 44	27 14	4 49	14 3	0 8	21 7	1 52	14 34	1 6	13 24	1 0	19 36	1 39	23 39	0 19	8 1	1 9	24 55	2 47	0 30	0s 0	14 20	6 8	6 4
S 14	20 32	23 56	4 15	13 28	0s 1	21 15	1 49	14 21	1 6	13 20	1 0	19 36	1 39	23 39	0 19	8 0	1 9	24 55	2 47	0 33	0 1	14 17	6 8	6 4
M15	20 20	18 59	3 22	12 53	0 11	21 24	1 46	14 8	1 6	13 16	1 0	19 35	1 38	23 39	0 19	8 0	1 9	24 56	2 47	0 36	0 3	14 14	6 9	6 4
T 16	20 8	12 52	2 16	12 18	0 20	21 31	1 43	13 54	1 5	13 11	1 0	19 35	1 38	23 39	0 19	7 59	1 9	24 56	2 47	0 38	0 4	14 11	6 10	6 4
W17	19 56	6 6	1 1	11 43	0 30	21 39	1 40	13 41	1 5	13 7	1 0	19 35	1 38	23 39	0 19	7 58	1 9	24 56	2 47	0 39	0 5	14 8	6 10	6 4
T 18	19 43	0n52	0n17	11 9	0 41	21 45	1 37	13 28	1 4	13 3	1 0	19 35	1 38	23 38	0 19	7 58	1 9	24 56	2 47	0 39	0 6	14 5	6 11	6 4
F 19	19 29	7 36	1 32	10 35	0 51	21 51	1 34	13 14	1 4	12 59	1 0	19 35	1 37	23 38	0 19	7 57	1 9	24 57	2 48	0 39	0 8	14 2	6 12	6 4
S 20	19 16	13 49	2 39	10 2	1 2	21 57	1 31	13 1	1 4	12 54	1 0	19 35	1 37	23 38	0 19	7 56	1 9	24 57	2 48	0 39	0 9	13 59	6 13	6 5
S 21	19 2	19 13	3 36	9 29	1 12	22 2	1 28	12 47	1 3	12 50	1 0	19 35	1 37	23 38	0 19	7 55	1 9	24 57	2 48	0 39	0 10	13 56	6 14	6 5
M22	18 48	23 34	4 20	8 57	1 23	22 6	1 25	12 34	1 3	12 46	1 0	19 35	1 37	23 38	0 19	7 55	1 9	24 57	2 48	0 39	0 11	13 53	6 14	6 5
T 23	18 33	26 39	4 50	8 26	1 34	22 10	1 22	12 20	1 3	12 41	1 0	19 35	1 37	23 38	0 19	7 54	1 9	24 58	2 48	0 41	0 13	13 50	6 15	6 5
W24	18 19	28 20	5 5	7 55	1 45	22 13	1 19	12 6	1 2	12 37	1 0	19 35	1 36	23 37	0 19	7 53	1 9	24 58	2 48	0 43	0 14	13 46	6 16	6 5
T 25	18 3	28 34	5 5	7 25	1 56	22 16	1 15	11 52	1 2	12 32	1 0	19 35	1 36	23 37	0 19	7 52	1 9	24 58	2 48	0 47	0 15	13 43	6 17	6 5
F 26	17 48	27 22	4 52	6 57	2 8	22 18	1 12	11 38	1 1	12 28	1 0	19 35	1 36	23 37	0 19	7 52	1 9	24 58	2 48	0 50	0 17	13 40	6 18	6 5
S 27	17 32	24 54	4 25	6 29	2 19	22 20	1 9	11 24	1 1	12 23	1 0	19 36	1 36	23 37	0 19	7 51	1 9	24 59	2 48	0 54	0 18	13 37	6 19	6 5
S 28	17 16	21 22	3 47	6 3	2 30	22 21	1 6	11 10	1 1	12 19	1 0	19 36	1 36	23 37	0 19	7 50	1 9	24 59	2 48	0 57	0 19	13 34	6 19	6 5
M29	17 0	17 0	2 59	5 38	2 41	22 21	1 2	10 55	1 0	12 14	1 0	19 36	1 35	23 37	0 19	7 49	1 9	24 59	2 48	0 59	0 20	13 31	6 20	6 5
T 30	16 44	12 1	2 4	5 15	2 52	22 21	0 59	10 41	1 0	12 10	1 0	19 36	1 35	23 36	0 19	7 49	1 9	24 59	2 48	1 1	0 22	13 28	6 21	6 5
W31	16n27	6n37	1n 3	4n53	3s 2	22n20	0s56	10n27	0n59	12n 5	1n 0	19s36	1n35	23n36	0n19	7n48	1n 9	25s 0	2s48	1s 2	0s23	13n25	6s22	6n 5

Julian Day Number = 2188759.5, Delta T = 10m55s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'22, Lahiri = 13°49'22 Julian Calendar 1 July 1280 == Greg. Calendar 8 July 1280

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

AUGUST 1280 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 8 49	15♌48'49	27♍33	10♍51	9♋46	6♍10	1♍13	4°D41	8♋16	12♍56	18°R44	27°D23	28♓59	1♍ 9	28°R19	T 1
F 2	21 12 46	16°46'36	9♎25	11°13	10°56	6°48	1°26	4♐41	8°19	12°58	18♑42	27♓24	28°56	1°15	28♒17	F 2
S 3	21 16 42	17°44'25	21°26	11°30	12° 7	7°26	1°39	4°41	8°22	13° 0	18°41	27°25	28°53	1°22	28°14	S 3
S 4	21 20 39	18°42'14	3♏41	11°43	13°18	8° 5	1°52	4°41	8°25	13° 3	18°40	27°26	28°50	1°29	28°11	S 4
M 5	21 24 35	19°40'05	16°12	11°50	14°29	8°43	2° 4	4°41	8°28	13° 5	18°39	27°R27	28°47	1°35	28° 8	M 5
T 6	21 28 32	20°37'57	29° 7	11°R51	15°40	9°21	2°17	4°42	8°31	13° 7	18°38	27°27	28°44	1°42	28° 5	T 6
W 7	21 32 29	21°35'51	12♐27	11°47	16°51	10° 0	2°30	4°42	8°34	13° 9	18°37	27°25	28°40	1°49	28° 2	W 7
T 8	21 36 25	22°33'45	26°16	11°37	18° 2	10°38	2°43	4°43	8°37	13°11	18°35	27°22	28°37	1°55	27°59	T 8
F 9	21 40 22	23°31'42	10♑33	11°21	19°13	11°16	2°56	4°44	8°40	13°13	18°34	27°18	28°34	2° 2	27°56	F 9
S 10	21 44 18	24°29'39	25°15	10°59	20°24	11°55	3° 9	4°44	8°43	13°15	18°33	27°13	28°31	2° 9	27°53	S 10
S 11	21 48 15	25°27'38	10♒17	10°30	21°35	12°33	3°22	4°45	8°45	13°17	18°32	27° 9	28°28	2°15	27°50	S 11
M12	21 52 11	26°25'38	25°30	9°56	22°47	13°12	3°35	4°46	8°48	13°19	18°31	27° 5	28°25	2°22	27°47	M12
T 13	21 56 8	27°23'40	10♓44	9°17	23°58	13°50	3°48	4°47	8°51	13°22	18°30	27° 3	28°21	2°29	27°44	T 13
W14	22 0 4	28°21'44	25°49	8°32	25°10	14°29	4° 1	4°49	8°54	13°24	18°29	27°D 2	28°18	2°35	27°41	W14
T 15	22 4 1	29°19'50	10♈37	7°42	26°22	15° 8	4°14	4°50	8°56	13°26	18°28	27° 2	28°15	2°42	27°39	T 15
F 16	22 7 58	0♍17'57	25° 2	6°49	27°33	15°46	4°27	4°51	8°59	13°28	18°27	27° 4	28°12	2°49	27°36	F 16
S 17	22 11 54	1°16'07	9♉ 1	5°52	28°45	16°25	4°40	4°53	9° 1	13°30	18°26	27° 5	28° 9	2°55	27°33	S 17
S 18	22 15 51	2°14'19	22°34	4°54	29°57	17° 4	4°53	4°54	9° 4	13°32	18°25	27° 6	28° 5	3° 2	27°30	S 18
M19	22 19 47	3°12'32	5♊44	3°55	1♌ 9	17°42	5° 6	4°56	9° 6	13°35	18°24	27°R 7	28° 2	3° 9	27°27	M19
T 20	22 23 44	4°10'48	18°32	2°56	2°21	18°21	5°19	4°58	9° 9	13°37	18°23	27° 6	27°59	3°15	27°24	T 20
W21	22 27 40	5° 9'06	1♋ 2	2° 0	3°33	19° 0	5°32	4°59	9°11	13°39	18°22	27° 4	27°56	3°22	27°21	W21
T 22	22 31 37	6° 7'26	13°18	1° 6	4°46	19°39	5°45	5° 1	9°14	13°41	18°22	27° 1	27°53	3°29	27°18	T 22
F 23	22 35 33	7° 5'49	25°23	0°17	5°58	20°18	5°58	5° 3	9°16	13°44	18°21	26°58	27°50	3°35	27°15	F 23
S 24	22 39 30	8° 4'13	7♌20	29♌34	7°10	20°57	6°11	5° 6	9°18	13°46	18°20	26°55	27°46	3°42	27°12	S 24
S 25	22 43 27	9° 2'39	19°11	28°58	8°23	21°36	6°24	5° 8	9°20	13°48	18°19	26°52	27°43	3°49	27° 9	S 25
M26	22 47 23	10° 1'07	1♍ 0	28°29	9°35	22°15	6°37	5°10	9°23	13°50	18°18	26°50	27°40	3°55	27° 7	M26
T 27	22 51 20	10°59'37	12°48	28° 8	10°48	22°54	6°50	5°13	9°25	13°52	18°18	26°49	27°37	4° 2	27° 4	T 27
W28	22 55 16	11°58'09	24°37	27°57	12° 1	23°33	7° 3	5°15	9°27	13°55	18°17	26°D48	27°34	4° 8	27° 1	W28
T 29	22 59 13	12°56'42	6♎30	27°D55	13°13	24°12	7°16	5°18	9°29	13°57	18°16	26°48	27°31	4°15	26°58	T 29
F 30	23 3 9	13°55'18	18°29	28° 2	14°26	24°51	7°29	5°20	9°31	13°59	18°15	26°49	27°27	4°22	26°55	F 30
S 31	23 7 6	14♍53'55	0♏37	28♌19	15♌39	25♍30	7♍42	5♐23	9♋33	14♍ 1	18♑15	26♓50	27♓24	4♍28	26♒53	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n10	0n58	0s 1	4n33	3s13	22n18	0s53	10n12	0n59	12n 1	1n 0	19s36	1n35	23n36	0n19	7n47	1n 9	25s 0	2s48	1s 3	0s24	13n22	6s23	6n 5
F 2	15 52	4s45	1 5	4 15	3 23	22 16	0 49	9 57	0 59	11 56	1 0	19 37	1 34	23 36	0 20	7 46	1 9	25 0	2 48	1 2	0 25	13 18	6 24	6 5
S 3	15 35	10 21	2 7	4 0	3 33	22 13	0 46	9 43	0 58	11 52	1 0	19 37	1 34	23 36	0 20	7 45	1 9	25 0	2 48	1 2	0 27	13 15	6 25	6 6
S 4	15 17	15 41	3 5	3 46	3 42	22 10	0 43	9 28	0 58	11 47	1 0	19 37	1 34	23 35	0 20	7 45	1 9	25 1	2 48	1 1	0 28	13 12	6 26	6 6
M 5	14 59	20 30	3 55	3 35	3 51	22 6	0 39	9 13	0 58	11 42	1 0	19 37	1 34	23 35	0 20	7 44	1 9	25 1	2 48	1 1	0 29	13 9	6 27	6 6
T 6	14 40	24 31	4 35	3 27	3 59	22 1	0 36	8 59	0 57	11 38	1 0	19 38	1 34	23 35	0 20	7 43	1 9	25 1	2 49	1 1	0 31	13 6	6 28	6 6
W 7	14 22	27 22	5 2	3 22	4 7	21 56	0 33	8 44	0 57	11 33	1 0	19 38	1 33	23 35	0 20	7 42	1 9	25 1	2 49	1 2	0 32	13 3	6 29	6 6
T 8	14 3	28 41	5 12	3 20	4 14	21 50	0 29	8 29	0 56	11 29	1 0	19 38	1 33	23 35	0 20	7 41	1 9	25 1	2 49	1 3	0 33	13 0	6 30	6 6
F 9	13 44	28 10	5 4	3 21	4 19	21 43	0 26	8 14	0 56	11 24	1 0	19 39	1 33	23 35	0 20	7 41	1 9	25 2	2 49	1 5	0 34	12 57	6 31	6 6
S 10	13 25	25 41	4 36	3 25	4 23	21 36	0 23	7 59	0 55	11 19	1 0	19 39	1 33	23 34	0 20	7 40	1 9	25 2	2 49	1 7	0 36	12 53	6 32	6 5
S 11	13 5	21 24	3 48	3 33	4 27	21 28	0 20	7 43	0 55	11 15	1 0	19 39	1 33	23 34	0 20	7 39	1 9	25 2	2 49	1 8	0 37	12 50	6 33	6 5
M12	12 45	15 39	2 44	3 44	4 28	21 20	0 16	7 28	0 55	11 10	1 0	19 40	1 32	23 34	0 20	7 38	1 9	25 2	2 49	1 10	0 38	12 47	6 34	6 5
T 13	12 26	8 56	1 28	3 59	4 28	21 11	0 13	7 13	0 54	11 5	1 0	19 40	1 32	23 34	0 20	7 37	1 9	25 2	2 49	1 11	0 39	12 44	6 35	6 5
W14	12 5	1 46	0 7	4 17	4 27	21 1	0 10	6 58	0 54	11 0	1 0	19 41	1 32	23 34	0 20	7 36	1 9	25 2	2 49	1 11	0 41	12 41	6 36	6 5
T 15	11 45	5n21	1n14	4 38	4 23	20 51	0 7	6 42	0 53	10 56	1 0	19 41	1 32	23 34	0 20	7 36	1 9	25 3	2 49	1 11	0 42	12 38	6 37	6 5
F 16	11 25	12 1	2 28	5 3	4 18	20 40	0 4	6 27	0 53	10 51	1 0	19 42	1 31	23 34	0 20	7 35	1 9	25 3	2 49	1 10	0 43	12 34	6 38	6 5
S 17	11 4	17 53	3 31	5 31	4 11	20 29	0 1	6 11	0 53	10 46	1 0	19 42	1 31	23 33	0 20	7 34	1 9	25 3	2 49	1 10	0 44	12 31	6 39	6 5
S 18	10 43	22 40	4 20	6 0	4 1	20 17	0n 3	5 56	0 52	10 42	1 0	19 42	1 31	23 33	0 20	7 33	1 9	25 3	2 49	1 9	0 46	12 28	6 40	6 5
M19	10 22	26 9	4 53	6 32	3 50	20 4	0 6	5 40	0 52	10 37	1 0	19 43	1 31	23 33	0 20	7 32	1 9	25 3	2 49	1 9	0 47	12 25	6 41	6 5
T 20	10 1	28 12	5 11	7 5	3 37	19 51	0 9	5 25	0 51	10 32	1 0	19 44	1 31	23 33	0 20	7 31	1 9	25 3	2 49	1 10	0 48	12 22	6 42	6 5
W21	9 40	28 46	5 14	7 39	3 23	19 38	0 12	5 9	0 51	10 27	1 0	19 44	1 30	23 33	0 20	7 31	1 9	25 4	2 49	1 10	0 50	12 19	6 44	6 5
T 22	9 18	27 53	5 2	8 13	3 7	19 23	0 15	4 53	0 50	10 23	1 0	19 45	1 30	23 33	0 20	7 30	1 9	25 4	2 49	1 11	0 51	12 15	6 45	6 5
F 23	8 56	25 41	4 37	8 46	2 49	19 8	0 18	4 38	0 50	10 18	1 0	19 45	1 30	23 33	0 20	7 29	1 9	25 4	2 49	1 13	0 52	12 12	6 46	6 5
S 24	8 35	22 23	4 0	9 19	2 31	18 53	0 21	4 22	0 50	10 13	1 0	19 46	1 30	23 32	0 20	7 28	1 9	25 4	2 49	1 14	0 53	12 9	6 47	6 4
S 25	8 13	18 11	3 13	9 49	2 12	18 37	0 23	4 6	0 49	10 8	1 0	19 46	1 30	23 32	0 20	7 27	1 9	25 4	2 49	1 15	0 55	12 6	6 48	6 4
M26	7 51	13 19	2 18	10 17	1 53	18 21	0 26	3 50	0 49	10 3	1 0	19 47	1 29	23 32	0 20	7 26	1 9	25 4	2 49	1 16	0 56	12 3	6 49	6 4
T 27	7 28	7 58	1 17	10 43	1 33	18 4	0 29	3 34	0 48	9 59	1 1	19 48	1 29	23 32	0 20	7 25	1 9	25 4	2 49	1 16	0 57	11 59	6 50	6 4
W28	7 6	2 20	0 12	11 5	1 14	17 46	0 32	3 18	0 48	9 54	1 1	19 48	1 29	23 32	0 20	7 25	1 9	25 5	2 49	1 17	0 58	11 56	6 51	6 4
T 29	6 44	3s24	0s53	11 24	0 55	17 28	0 34	3 2	0 47	9 49	1 1	19 49	1 29	23 32	0 20	7 24	1 9	25 5	2 49	1 16	1 0	11 53	6 52	6 4
F 30	6 21	9 5	1 57	11 38	0 36	17 9	0 37	2 46	0 47	9 44	1 1	19 50	1 28	23 32	0 20	7 23	1 9	25 5	2 49	1 16	1 1	11 50	6 53	6 4
S 31	5n58	14s29	2s57	11n49	0s18	16n50	0n40	2n30	0n47	9n39	1n 1	19s50	1n28	23n32	0n20	7n22	1n 9	25s 5	2s49	1s16	1s 2	11n47	6s54	6n 3

Julian Day Number = 2188790.5, Delta T = 10m55s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'26, Lahiri = 13°49'26 Julian Calendar 1 Aug. 1280 == Greg. Calendar 8 Aug. 1280

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

SEPTEMBER 1280 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 11 2	15♍52'34	12♏57	28♌46	16♌52	26♍10	7♍55	5♐26	9♋35	14♍ 4	18°R14	26♓51	27♓21	4♍35	26°R50	S 1
M 2	23 14 59	16°51'15	25°32	29°21	18° 5	26°49	8° 8	5°29	9°37	14° 6	18♉14	26°52	27°18	4°42	26♒47	M 2
T 3	23 18 56	17°49'58	8♐25	0♍ 6	19°18	27°28	8°20	5°32	9°39	14° 8	18°13	26°53	27°15	4°48	26°44	T 3
W 4	23 22 52	18°48'43	21°41	0°58	20°31	28° 7	8°33	5°35	9°40	14°10	18°12	26°R53	27°11	4°55	26°42	W 4
T 5	23 26 49	19°47'29	5♉20	1°58	21°44	28°47	8°46	5°38	9°42	14°12	18°12	26°53	27° 8	5° 2	26°39	T 5
F 6	23 30 45	20°46'17	19°25	3° 5	22°58	29°26	8°59	5°41	9°44	14°15	18°11	26°52	27° 5	5° 8	26°37	F 6
S 7	23 34 42	21°45'07	3♒53	4°19	24°11	0♎ 6	9°12	5°45	9°46	14°17	18°11	26°52	27° 2	5°15	26°34	S 7
S 8	23 38 38	22°43'58	18°42	5°38	25°24	0°45	9°25	5°48	9°47	14°19	18°11	26°51	26°59	5°22	26°31	S 8
M 9	23 42 35	23°42'51	3♓45	7° 2	26°38	1°25	9°38	5°52	9°49	14°21	18°10	26°51	26°56	5°28	26°29	M 9
T 10	23 46 31	24°41'47	18°54	8°31	27°51	2° 4	9°50	5°55	9°50	14°24	18°10	26°51	26°52	5°35	26°26	T 10
W11	23 50 28	25°40'44	4♈ 0	10° 4	29° 5	2°44	10° 3	5°59	9°52	14°26	18° 9	26°D51	26°49	5°42	26°24	W11
T 12	23 54 25	26°39'43	18°54	11°39	0♍18	3°23	10°16	6° 3	9°53	14°28	18° 9	26°R51	26°46	5°48	26°22	T 12
F 13	23 58 21	27°38'44	3♉28	13°18	1°32	4° 3	10°29	6° 7	9°54	14°30	18° 9	26°51	26°43	5°55	26°19	F 13
S 14	0 2 18	28°37'48	17°38	14°58	2°46	4°43	10°41	6°11	9°56	14°32	18° 9	26°50	26°40	6° 2	26°17	S 14
S 15	0 6 14	29°36'54	1♊21	16°41	4° 0	5°23	10°54	6°15	9°57	14°34	18° 8	26°50	26°36	6° 8	26°15	S 15
M16	0 10 11	0♎36'03	14°37	18°24	5°13	6° 2	11° 7	6°19	9°58	14°37	18° 8	26°50	26°33	6°15	26°12	M16
T 17	0 14 7	1°35'13	27°29	20° 9	6°27	6°42	11°19	6°23	9°59	14°39	18° 8	26°D50	26°30	6°22	26°10	T 17
W18	0 18 4	2°34'27	10♋ 0	21°54	7°41	7°22	11°32	6°27	10° 1	14°41	18° 8	26°50	26°27	6°28	26° 8	W18
T 19	0 22 0	3°33'42	22°13	23°40	8°55	8° 2	11°44	6°31	10° 2	14°43	18° 8	26°50	26°24	6°35	26° 6	T 19
F 20	0 25 57	4°33'00	4♌14	25°26	10° 9	8°42	11°57	6°36	10° 3	14°45	18° 7	26°51	26°21	6°42	26° 4	F 20
S 21	0 29 54	5°32'20	16° 6	27°12	11°23	9°22	12° 9	6°40	10° 4	14°47	18° 7	26°52	26°17	6°48	26° 1	S 21
S 22	0 33 50	6°31'42	27°54	28°58	12°38	10° 2	12°22	6°45	10° 5	14°49	18° 7	26°53	26°14	6°55	25°59	S 22
M23	0 37 47	7°31'07	9♍42	0♎44	13°52	10°42	12°34	6°49	10° 5	14°52	18°D 7	26°53	26°11	7° 2	25°57	M23
T 24	0 41 43	8°30'33	21°32	2°29	15° 6	11°22	12°47	6°54	10° 6	14°54	18° 7	26°R54	26° 8	7° 8	25°55	T 24
W25	0 45 40	9°30'02	3♎27	4°14	16°20	12° 2	12°59	6°59	10° 7	14°56	18° 7	26°54	26° 5	7°15	25°54	W25
T 26	0 49 36	10°29'33	15°29	5°59	17°35	12°43	13°11	7° 4	10° 8	14°58	18° 7	26°53	26° 2	7°21	25°52	T 26
F 27	0 53 33	11°29'06	27°40	7°43	18°49	13°23	13°23	7° 9	10° 8	15° 0	18° 8	26°52	25°58	7°28	25°50	F 27
S 28	0 57 29	12°28'41	10♏ 2	9°26	20° 3	14° 3	13°36	7°14	10° 9	15° 2	18° 8	26°50	25°55	7°35	25°48	S 28
S 29	1 1 26	13°28'18	22°36	11° 9	21°18	14°43	13°48	7°19	10° 9	15° 4	18° 8	26°47	25°52	7°41	25°46	S 29
M30	1 5 22	14♎27'57	5♐23	12♎52	22♍32	15♎24	14♍ 0	7♐24	10♋10	15♍ 6	18♉ 8	26♓45	25♓49	7♍48	25♒45	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n36	19s25	3s49	11n56	0s 1	16n31	0n42	2n14	0n46	9n35	1n 1	19s51	1n28	23n31	0n20	7n21	1n 9	25s 5	2s49	1s15	1s 3	11n43	6s55	6n 3
M 2	5 13	23 36	4 31	11 58	0n15	16 11	0 45	1 58	0 46	9 30	1 1	19 52	1 28	23 31	0 20	7 20	1 9	25 5	2 49	1 15	1 5	11 40	6 57	6 3
T 3	4 50	26 45	5 1	11 56	0 29	15 50	0 47	1 42	0 45	9 25	1 1	19 52	1 28	23 31	0 20	7 19	1 9	25 5	2 49	1 15	1 6	11 37	6 58	6 3
W 4	4 27	28 32	5 16	11 51	0 43	15 29	0 50	1 26	0 45	9 20	1 1	19 53	1 27	23 31	0 20	7 19	1 9	25 5	2 49	1 15	1 7	11 34	6 59	6 3
T 5	4 3	28 39	5 14	11 41	0 55	15 8	0 52	1 10	0 44	9 15	1 1	19 54	1 27	23 31	0 20	7 18	1 9	25 5	2 49	1 15	1 9	11 31	7 0	6 2
F 6	3 40	26 58	4 53	11 27	1 6	14 46	0 54	0 54	0 44	9 11	1 1	19 55	1 27	23 31	0 20	7 17	1 9	25 5	2 49	1 15	1 10	11 27	7 1	6 2
S 7	3 17	23 28	4 14	11 9	1 16	14 24	0 56	0 37	0 43	9 6	1 1	19 55	1 27	23 31	0 20	7 16	1 9	25 5	2 49	1 15	1 11	11 24	7 2	6 2
S 8	2 54	18 24	3 17	10 48	1 25	14 1	0 59	0 21	0 43	9 1	1 1	19 56	1 27	23 31	0 20	7 15	1 9	25 6	2 49	1 15	1 12	11 21	7 3	6 2
M 9	2 30	12 7	2 5	10 23	1 32	13 38	1 1	0 5	0 42	8 56	1 1	19 57	1 26	23 31	0 20	7 14	1 9	25 6	2 49	1 16	1 14	11 18	7 4	6 2
T 10	2 7	5 5	0 44	9 56	1 39	13 15	1 3	0s11	0 42	8 51	1 1	19 58	1 26	23 30	0 20	7 14	1 9	25 6	2 49	1 16	1 15	11 14	7 5	6 1
W11	1 43	2n12	0n40	9 26	1 44	12 51	1 5	0 27	0 41	8 47	1 2	19 59	1 26	23 30	0 20	7 13	1 9	25 6	2 49	1 16	1 16	11 11	7 6	6 1
T 12	1 20	9 16	2 0	8 53	1 48	12 27	1 7	0 44	0 41	8 42	1 2	20 0	1 26	23 30	0 20	7 12	1 9	25 6	2 49	1 16	1 17	11 8	7 7	6 1
F 13	0 56	15 42	3 10	8 18	1 51	12 2	1 9	1 0	0 41	8 37	1 2	20 0	1 26	23 30	0 20	7 11	1 9	25 6	2 49	1 16	1 19	11 5	7 8	6 1
S 14	0 33	21 6	4 6	7 41	1 53	11 37	1 10	1 16	0 40	8 32	1 2	20 1	1 26	23 30	0 21	7 10	1 9	25 6	2 49	1 16	1 20	11 2	7 9	6 0
S 15	0 9	25 11	4 47	7 2	1 54	11 12	1 12	1 32	0 40	8 28	1 2	20 2	1 25	23 30	0 21	7 9	1 9	25 6	2 49	1 16	1 21	10 58	7 10	6 0
M16	0s14	27 47	5 11	6 22	1 55	10 47	1 14	1 49	0 39	8 23	1 2	20 3	1 25	23 30	0 21	7 9	1 9	25 6	2 49	1 16	1 22	10 55	7 11	6 0
T 17	0 38	28 48	5 18	5 40	1 54	10 21	1 15	2 5	0 39	8 18	1 2	20 4	1 25	23 30	0 21	7 8	1 9	25 6	2 49	1 16	1 24	10 52	7 12	6 0
W18	1 2	28 18	5 9	4 57	1 53	9 54	1 17	2 21	0 38	8 14	1 2	20 5	1 25	23 30	0 21	7 7	1 9	25 6	2 49	1 16	1 25	10 49	7 13	5 59
T 19	1 25	26 25	4 47	4 14	1 51	9 28	1 18	2 37	0 38	8 9	1 2	20 6	1 25	23 30	0 21	7 6	1 9	25 6	2 49	1 16	1 26	10 45	7 14	5 59
F 20	1 49	23 22	4 13	3 29	1 49	9 1	1 20	2 54	0 37	8 4	1 2	20 7	1 24	23 30	0 21	7 5	1 9	25 6	2 49	1 16	1 28	10 42	7 15	5 59
S 21	2 13	19 22	3 28	2 44	1 46	8 34	1 21	3 10	0 37	7 59	1 3	20 8	1 24	23 30	0 21	7 4	1 9	25 6	2 49	1 15	1 29	10 39	7 16	5 59
S 22	2 36	14 39	2 34	1 59	1 43	8 7	1 22	3 26	0 36	7 55	1 3	20 9	1 24	23 30	0 21	7 4	1 9	25 6	2 49	1 15	1 30	10 36	7 17	5 58
M23	3 0	9 25	1 34	1 13	1 39	7 39	1 24	3 42	0 36	7 50	1 3	20 9	1 24	23 30	0 21	7 3	1 9	25 6	2 49	1 14	1 31	10 32	7 18	5 58
T 24	3 23	3 50	0 30	0 28	1 35	7 12	1 25	3 58	0 35	7 45	1 3	20 10	1 24	23 30	0 21	7 2	1 9	25 6	2 49	1 14	1 33	10 29	7 19	5 58
W25	3 47	1s56	0s36	0s18	1 30	6 44	1 26	4 15	0 35	7 41	1 3	20 11	1 24	23 30	0 21	7 1	1 9	25 6	2 49	1 14	1 34	10 26	7 20	5 57
T 26	4 10	7 41	1 41	1 4	1 26	6 15	1 27	4 31	0 34	7 36	1 3	20 12	1 23	23 30	0 21	7 1	1 9	25 6	2 49	1 15	1 35	10 22	7 21	5 57
F 27	4 34	13 13	2 42	1 50	1 20	5 47	1 28	4 47	0 34	7 32	1 3	20 13	1 23	23 30	0 21	7 0	1 9	25 6	2 49	1 15	1 36	10 19	7 22	5 57
S 28	4 57	18 18	3 37	2 36	1 15	5 18	1 28	5 3	0 33	7 27	1 3	20 14	1 23	23 30	0 21	6 59	1 9	25 6	2 49	1 16	1 38	10 16	7 22	5 56
S 29	5 20	22 42	4 21	3 22	1 9	4 50	1 29	5 19	0 33	7 22	1 3	20 15	1 23	23 30	0 21	6 58	1 9	25 6	2 49	1 17	1 39	10 13	7 23	5 56
M30	5s43	26s 6	4s54	4s 7	1n 4	4n21	1n30	5s35	0n32	7n18	1n 4	20s16	1n23	23n30	0n21	6n57	1n 9	25s 6	2s49	1s18	1s40	10n 9	7s24	5n56

Julian Day Number = 2188821.5, Delta T = 10m55s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'30, Lahiri = 13°49'31 Julian Calendar 1 Sept. 1280 == Greg. Calendar 8 Sept. 1280

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

OCTOBER 1280 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 9 19	15♎27'38	18♐25	14♎33	23♍47	16♎ 4	14♍12	7♐29	10♋10	15♍ 8	18♑ 8	26°R42	25♓46	7♍55	25°R43	T 1
W 2	1 13 16	16°27'20	1♑42	16°14	25° 2	16°45	14°24	7°34	10°11	15°10	18° 8	26♓41	25°42	8° 1	25♒42	W 2
T 3	1 17 12	17°27'04	15°18	17°55	26°16	17°25	14°36	7°39	10°11	15°12	18° 9	26°D40	25°39	8° 8	25°40	T 3
F 4	1 21 9	18°26'50	29°11	19°35	27°31	18° 6	14°47	7°45	10°11	15°14	18° 9	26°41	25°36	8°15	25°39	F 4
S 5	1 25 5	19°26'38	13♒22	21°14	28°45	18°46	14°59	7°50	10°12	15°16	18° 9	26°42	25°33	8°21	25°37	S 5
S 6	1 29 2	20°26'27	27°49	22°53	0♎ 0	19°27	15°11	7°55	10°12	15°18	18°10	26°43	25°30	8°28	25°36	S 6
M 7	1 32 58	21°26'18	12♓30	24°31	1°15	20° 7	15°23	8° 1	10°12	15°20	18°10	26°44	25°27	8°35	25°35	M 7
T 8	1 36 55	22°26'11	27°19	26° 9	2°30	20°48	15°34	8° 7	10°R12	15°21	18°11	26°R45	25°23	8°41	25°33	T 8
W 9	1 40 51	23°26'05	12♈10	27°46	3°44	21°29	15°46	8°12	10°12	15°23	18°11	26°44	25°20	8°48	25°32	W 9
T 10	1 44 48	24°26'01	26°54	29°22	4°59	22°10	15°57	8°18	10°12	15°25	18°11	26°42	25°17	8°55	25°31	T 10
F 11	1 48 45	25°26'00	11♉26	0♏58	6°14	22°50	16° 9	8°24	10°12	15°27	18°12	26°38	25°14	9° 1	25°30	F 11
S 12	1 52 41	26°26'00	25°38	2°34	7°29	23°31	16°20	8°29	10°12	15°29	18°12	26°34	25°11	9° 8	25°29	S 12
S 13	1 56 38	27°26'03	9♊25	4° 9	8°44	24°12	16°31	8°35	10°11	15°31	18°13	26°29	25° 8	9°15	25°28	S 13
M14	2 0 34	28°26'07	22°48	5°44	9°59	24°53	16°43	8°41	10°11	15°32	18°14	26°25	25° 4	9°21	25°27	M14
T 15	2 4 31	29°26'14	5♋44	7°18	11°14	25°34	16°54	8°47	10°11	15°34	18°14	26°21	25° 1	9°28	25°26	T 15
W16	2 8 27	0♏26'23	18°18	8°51	12°29	26°15	17° 5	8°53	10°10	15°36	18°15	26°19	24°58	9°34	25°26	W16
T 17	2 12 24	1°26'34	0♌33	10°25	13°44	26°56	17°16	8°59	10°10	15°37	18°16	26°D18	24°55	9°41	25°25	T 17
F 18	2 16 20	2°26'47	12°34	11°58	14°59	27°37	17°27	9° 5	10° 9	15°39	18°16	26°18	24°52	9°48	25°24	F 18
S 19	2 20 17	3°27'02	24°26	13°30	16°14	28°18	17°38	9°11	10° 9	15°41	18°17	26°20	24°48	9°54	25°24	S 19
S 20	2 24 14	4°27'19	6♍13	15° 3	17°29	29° 0	17°48	9°17	10° 8	15°42	18°18	26°22	24°45	10° 1	25°23	S 20
M21	2 28 10	5°27'38	18° 2	16°34	18°44	29°41	17°59	9°24	10° 8	15°44	18°19	26°23	24°42	10° 8	25°22	M21
T 22	2 32 7	6°27'59	29°55	18° 6	20° 0	0♏22	18°10	9°30	10° 7	15°46	18°19	26°R23	24°39	10°14	25°22	T 22
W23	2 36 3	7°28'21	11♎57	19°37	21°15	1° 4	18°20	9°36	10° 6	15°47	18°20	26°22	24°36	10°21	25°22	W23
T 24	2 40 0	8°28'46	24°10	21° 8	22°30	1°45	18°31	9°42	10° 5	15°49	18°21	26°18	24°33	10°28	25°21	T 24
F 25	2 43 56	9°29'12	6♏37	22°38	23°45	2°26	18°41	9°49	10° 4	15°50	18°22	26°13	24°29	10°34	25°21	F 25
S 26	2 47 53	10°29'41	19°18	24° 8	25° 1	3° 8	18°51	9°55	10° 4	15°52	18°23	26° 6	24°26	10°41	25°21	S 26
S 27	2 51 49	11°30'10	2♐12	25°38	26°16	3°49	19° 1	10° 2	10° 3	15°53	18°24	25°57	24°23	10°48	25°21	S 27
M28	2 55 46	12°30'42	15°20	27° 7	27°31	4°31	19°11	10° 8	10° 2	15°54	18°25	25°49	24°20	10°54	25°21	M28
T 29	2 59 43	13°31'15	28°41	28°36	28°46	5°12	19°21	10°15	10° 1	15°56	18°26	25°41	24°17	11° 1	25°D21	T 29
W30	3 3 39	14°31'49	12♑13	0♐ 5	0♏ 2	5°54	19°31	10°21	9°59	15°57	18°27	25°35	24°14	11° 8	25°21	W30
T 31	3 7 36	15♏32'24	25♑55	1♐33	1♏17	6♏36	19♍41	10♐28	9♋58	15♍59	18♑28	25♓31	24♓10	11♍14	25♒21	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6s 7	28s13	5s12	4s52	0n58	3n52	1n30	5s51	0n32	7n13	1n 4	20s17	1n23	23n30	0n21	6n57	1n 9	25s 6	2s49	1s19	1s41	10n 6	7s25	5n55
W 2	6 30	28 46	5 14	5 37	0 52	3 23	1 31	6 8	0 31	7 9	1 4	20 18	1 22	23 30	0 21	6 56	1 9	25 6	2 49	1 19	1 43	10 3	7 26	5 55
T 3	6 53	27 36	4 59	6 22	0 45	2 53	1 31	6 24	0 31	7 4	1 4	20 19	1 22	23 30	0 21	6 55	1 9	25 6	2 49	1 20	1 44	10 0	7 27	5 55
F 4	7 16	24 45	4 26	7 6	0 39	2 24	1 32	6 40	0 30	7 0	1 4	20 20	1 22	23 30	0 21	6 55	1 9	25 6	2 49	1 20	1 45	9 56	7 27	5 54
S 5	7 38	20 20	3 37	7 49	0 32	1 54	1 32	6 55	0 30	6 55	1 4	20 21	1 22	23 30	0 21	6 54	1 9	25 6	2 49	1 19	1 47	9 53	7 28	5 54
S 6	8 1	14 40	2 33	8 32	0 26	1 25	1 32	7 11	0 29	6 51	1 4	20 22	1 22	23 30	0 21	6 53	1 9	25 6	2 50	1 19	1 48	9 50	7 29	5 54
M 7	8 24	8 5	1 18	9 14	0 19	0 55	1 33	7 27	0 29	6 47	1 4	20 23	1 22	23 30	0 21	6 52	1 9	25 6	2 50	1 18	1 49	9 46	7 30	5 53
T 8	8 46	1 1	0n 3	9 56	0 12	0 25	1 33	7 43	0 28	6 42	1 5	20 24	1 21	23 30	0 21	6 52	1 10	25 6	2 50	1 18	1 50	9 43	7 31	5 53
W 9	9 8	6n 7	1 24	10 38	0 6	0s 5	1 33	7 59	0 28	6 38	1 5	20 25	1 21	23 30	0 21	6 51	1 10	25 6	2 50	1 18	1 52	9 40	7 31	5 53
T 10	9 30	12 52	2 38	11 19	0s 1	0 34	1 33	8 15	0 27	6 33	1 5	20 27	1 21	23 30	0 21	6 50	1 10	25 6	2 50	1 19	1 53	9 36	7 32	5 52
F 11	9 52	18 49	3 41	11 59	0 8	1 4	1 33	8 30	0 27	6 29	1 5	20 28	1 21	23 30	0 21	6 50	1 10	25 5	2 50	1 20	1 54	9 33	7 33	5 52
S 12	10 14	23 35	4 29	12 38	0 14	1 34	1 32	8 46	0 26	6 25	1 5	20 29	1 21	23 30	0 21	6 49	1 10	25 5	2 50	1 22	1 55	9 30	7 33	5 52
S 13	10 36	26 53	4 59	13 17	0 21	2 4	1 32	9 2	0 25	6 21	1 5	20 30	1 21	23 30	0 21	6 48	1 10	25 5	2 50	1 24	1 57	9 27	7 34	5 51
M14	10 58	28 32	5 12	13 55	0 28	2 34	1 32	9 17	0 25	6 16	1 5	20 31	1 21	23 30	0 21	6 48	1 10	25 5	2 50	1 26	1 58	9 23	7 35	5 51
T 15	11 19	28 33	5 8	14 33	0 34	3 4	1 31	9 33	0 24	6 12	1 6	20 32	1 20	23 30	0 21	6 47	1 10	25 5	2 50	1 27	1 59	9 20	7 35	5 50
W16	11 40	27 4	4 50	15 9	0 41	3 33	1 31	9 48	0 24	6 8	1 6	20 33	1 20	23 30	0 21	6 46	1 10	25 5	2 50	1 28	2 0	9 17	7 36	5 50
T 17	12 1	24 19	4 19	15 45	0 47	4 3	1 31	10 4	0 23	6 4	1 6	20 34	1 20	23 30	0 21	6 46	1 10	25 5	2 50	1 29	2 2	9 13	7 36	5 50
F 18	12 22	20 34	3 36	16 20	0 54	4 33	1 30	10 19	0 23	6 0	1 6	20 35	1 20	23 30	0 21	6 45	1 10	25 5	2 50	1 28	2 3	9 10	7 37	5 49
S 19	12 43	16 2	2 45	16 55	1 0	5 2	1 29	10 34	0 22	5 55	1 6	20 36	1 20	23 30	0 21	6 45	1 10	25 5	2 50	1 28	2 4	9 7	7 38	5 49
S 20	13 3	10 56	1 48	17 28	1 6	5 32	1 29	10 49	0 22	5 51	1 6	20 37	1 20	23 30	0 22	6 44	1 10	25 5	2 50	1 27	2 6	9 3	7 38	5 49
M21	13 24	5 27	0 45	18 1	1 12	6 1	1 28	11 5	0 21	5 47	1 7	20 38	1 20	23 30	0 22	6 43	1 10	25 5	2 50	1 27	2 7	9 0	7 39	5 48
T 22	13 44	0s16	0s19	18 33	1 18	6 30	1 27	11 20	0 21	5 43	1 7	20 39	1 20	23 30	0 22	6 43	1 10	25 5	2 50	1 27	2 8	8 57	7 39	5 48
W23	14 4	6 1	1 24	19 3	1 24	7 0	1 26	11 35	0 20	5 39	1 7	20 40	1 19	23 30	0 22	6 42	1 10	25 4	2 50	1 27	2 9	8 53	7 40	5 47
T 24	14 23	11 39	2 25	19 33	1 30	7 29	1 25	11 49	0 19	5 35	1 7	20 41	1 19	23 31	0 22	6 42	1 10	25 4	2 50	1 28	2 11	8 50	7 40	5 47
F 25	14 43	16 56	3 20	20 2	1 35	7 57	1 24	12 4	0 19	5 32	1 7	20 42	1 19	23 31	0 22	6 41	1 10	25 4	2 50	1 31	2 12	8 47	7 41	5 47
S 26	15 2	21 35	4 7	20 30	1 41	8 26	1 23	12 19	0 18	5 28	1 7	20 43	1 19	23 31	0 22	6 41	1 10	25 4	2 50	1 33	2 13	8 43	7 41	5 46
S 27	15 21	25 17	4 42	20 57	1 46	8 54	1 22	12 34	0 18	5 24	1 8	20 44	1 19	23 31	0 22	6 40	1 10	25 4	2 50	1 37	2 14	8 40	7 41	5 46
M28	15 39	27 44	5 2	21 23	1 51	9 23	1 21	12 48	0 17	5 20	1 8	20 46	1 19	23 31	0 22	6 39	1 10	25 4	2 50	1 40	2 16	8 37	7 42	5 46
T 29	15 58	28 39	5 7	21 48	1 55	9 51	1 19	13 3	0 17	5 16	1 8	20 47	1 19	23 31	0 22	6 39	1 10	25 4	2 50	1 43	2 17	8 33	7 42	5 45
W30	16 16	27 52	4 55	22 12	2 0	10 19	1 18	13 17	0 16	5 13	1 8	20 48	1 19	23 31	0 22	6 38	1 10	25 4	2 50	1 46	2 18	8 30	7 42	5 45
T 31	16s34	25s24	4s26	22s35	2s 4	10s46	1n17	13s32	0n16	5n 9	1n 8	20s49	1n18	23n31	0n22	6n38	1n10	25s 3	2s50	1s47	2s19	8n27	7s43	5n44

Julian Day Number = 2188851.5, Delta T = 10m54s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'34, Lahiri = 13°49'35 Julian Calendar 1 Oct. 1280 == Greg. Calendar 8 Oct. 1280

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

NOVEMBER 1280 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 11 32	16♏33'01	9♒47	3♐ 0	2♏32	7♏18	19♍51	10♐35	9°R57	16♍ 0	18♉29	25°R29	24♓ 7	11♍21	25♒21	F 1
S 2	3 15 29	17°33'39	23°49	4°27	3°48	7°59	20° 0	10°41	9♋56	16° 1	18°30	25°D29	24° 4	11°28	25°21	S 2
S 3	3 19 25	18°34'18	7♓58	5°54	5° 3	8°41	20°10	10°48	9°55	16° 2	18°31	25♓30	24° 1	11°34	25°22	S 3
M 4	3 23 22	19°34'58	22°16	7°19	6°18	9°23	20°19	10°55	9°53	16° 4	18°32	25°R31	23°58	11°41	25°22	M 4
T 5	3 27 18	20°35'39	6♈38	8°44	7°34	10° 5	20°28	11° 1	9°52	16° 5	18°34	25°30	23°54	11°47	25°22	T 5
W 6	3 31 15	21°36'21	21° 2	10° 8	8°49	10°47	20°37	11° 8	9°50	16° 6	18°35	25°28	23°51	11°54	25°23	W 6
T 7	3 35 12	22°37'04	5♉24	11°32	10° 5	11°29	20°46	11°15	9°49	16° 7	18°36	25°23	23°48	12° 1	25°23	T 7
F 8	3 39 8	23°37'49	19°37	12°54	11°20	12°11	20°55	11°22	9°47	16° 8	18°37	25°15	23°45	12° 7	25°24	F 8
S 9	3 43 5	24°38'35	3♊36	14°15	12°35	12°53	21° 4	11°29	9°46	16° 9	18°39	25° 5	23°42	12°14	25°25	S 9
S 10	3 47 1	25°39'23	17°17	15°34	13°51	13°35	21°13	11°35	9°44	16°10	18°40	24°54	23°39	12°21	25°25	S 10
M11	3 50 58	26°40'12	0♋37	16°52	15° 6	14°17	21°21	11°42	9°43	16°11	18°41	24°44	23°35	12°27	25°26	M11
T 12	3 54 54	27°41'02	13°34	18° 8	16°22	14°59	21°30	11°49	9°41	16°12	18°42	24°35	23°32	12°34	25°27	T 12
W13	3 58 51	28°41'53	26°10	19°22	17°37	15°42	21°38	11°56	9°39	16°13	18°44	24°27	23°29	12°41	25°28	W13
T 14	4 2 48	29°42'46	8♌26	20°33	18°53	16°24	21°46	12° 3	9°37	16°14	18°45	24°22	23°26	12°47	25°29	T 14
F 15	4 6 44	0♐43'41	20°28	21°42	20° 8	17° 6	21°54	12°10	9°35	16°15	18°47	24°20	23°23	12°54	25°30	F 15
S 16	4 10 41	1°44'36	2♍20	22°47	21°24	17°49	22° 2	12°17	9°34	16°16	18°48	24°D19	23°20	13° 1	25°31	S 16
S 17	4 14 37	2°45'33	14° 8	23°49	22°39	18°31	22°10	12°24	9°32	16°17	18°49	24°20	23°16	13° 7	25°32	S 17
M18	4 18 34	3°46'31	25°57	24°46	23°55	19°13	22°18	12°31	9°30	16°18	18°51	24°R20	23°13	13°14	25°33	M18
T 19	4 22 30	4°47'30	7♎52	25°38	25°10	19°56	22°25	12°38	9°28	16°18	18°52	24°19	23°10	13°21	25°35	T 19
W20	4 26 27	5°48'31	19°59	26°25	26°26	20°39	22°33	12°45	9°26	16°19	18°54	24°16	23° 7	13°27	25°36	W20
T 21	4 30 23	6°49'32	2♏20	27° 5	27°41	21°21	22°40	12°52	9°24	16°20	18°55	24°10	23° 4	13°34	25°37	T 21
F 22	4 34 20	7°50'35	15° 0	27°39	28°57	22° 4	22°47	12°59	9°22	16°20	18°57	24° 2	23° 0	13°40	25°39	F 22
S 23	4 38 16	8°51'38	27°59	28° 4	0♐12	22°46	22°54	13° 6	9°20	16°21	18°59	23°51	22°57	13°47	25°40	S 23
S 24	4 42 13	9°52'43	11♐16	28°20	1°28	23°29	23° 1	13°13	9°17	16°22	19° 0	23°38	22°54	13°54	25°42	S 24
M25	4 46 10	10°53'48	24°50	28°R27	2°43	24°12	23° 8	13°20	9°15	16°22	19° 2	23°25	22°51	14° 0	25°43	M25
T 26	4 50 6	11°54'54	8♑37	28°23	3°59	24°55	23°14	13°27	9°13	16°23	19° 3	23°13	22°48	14° 7	25°45	T 26
W27	4 54 3	12°56'01	22°34	28° 8	5°14	25°38	23°20	13°34	9°11	16°23	19° 5	23° 3	22°45	14°14	25°47	W27
T 28	4 57 59	13°57'08	6♒36	27°41	6°30	26°21	23°27	13°41	9° 9	16°24	19° 7	22°56	22°41	14°20	25°48	T 28
F 29	5 1 56	14°58'15	20°41	27° 3	7°46	27° 4	23°33	13°48	9° 6	16°24	19° 8	22°52	22°38	14°27	25°50	F 29
S 30	5 5 52	15♐59'23	4♓47	26♐13	9♐ 1	27♏47	23♍39	13♐55	9♋ 4	16♍24	19♑10	22♓50	22♓35	14♍34	25♒52	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s51	21s24	3s41	22s56	2s 8	11s14	1n15	13s46	0n15	5n 5	1n 9	20s50	1n18	23n31	0n22	6n38	1n10	25s 3	2s50	1s48	2s21	8n23	7s43	5n44
S 2	17 8	16 11	2 42	23 16	2 12	11 41	1 14	14 0	0 14	5 2	1 9	20 51	1 18	23 32	0 22	6 37	1 10	25 3	2 50	1 48	2 22	8 20	7 43	5 44
S 3	17 25	10 3	1 33	23 36	2 15	12 8	1 12	14 14	0 14	4 58	1 9	20 52	1 18	23 32	0 22	6 37	1 11	25 3	2 50	1 48	2 23	8 17	7 44	5 43
M 4	17 42	3 21	0 17	23 53	2 18	12 34	1 10	14 28	0 13	4 55	1 9	20 53	1 18	23 32	0 22	6 36	1 11	25 3	2 50	1 47	2 24	8 13	7 44	5 43
T 5	17 58	3n33	0n59	24 10	2 21	13 0	1 9	14 42	0 13	4 51	1 9	20 54	1 18	23 32	0 22	6 36	1 11	25 3	2 50	1 48	2 26	8 10	7 44	5 42
W 6	18 14	10 17	2 12	24 25	2 23	13 26	1 7	14 56	0 12	4 48	1 10	20 55	1 18	23 32	0 22	6 35	1 11	25 3	2 50	1 49	2 27	8 7	7 44	5 42
T 7	18 30	16 27	3 17	24 39	2 25	13 52	1 5	15 9	0 11	4 44	1 10	20 56	1 18	23 32	0 22	6 35	1 11	25 2	2 50	1 51	2 28	8 3	7 45	5 42
F 8	18 45	21 41	4 8	24 51	2 26	14 17	1 4	15 23	0 11	4 41	1 10	20 57	1 18	23 32	0 22	6 35	1 11	25 2	2 50	1 54	2 30	8 0	7 45	5 41
S 9	19 0	25 35	4 43	25 2	2 27	14 42	1 2	15 36	0 10	4 38	1 10	20 58	1 18	23 32	0 22	6 34	1 11	25 2	2 50	1 58	2 31	7 57	7 45	5 41
S 10	19 15	27 55	5 1	25 11	2 27	15 6	1 0	15 50	0 10	4 35	1 10	20 59	1 17	23 33	0 22	6 34	1 11	25 2	2 50	2 2	2 32	7 53	7 45	5 40
M11	19 29	28 34	5 2	25 19	2 27	15 30	0 58	16 3	0 9	4 31	1 11	21 0	1 17	23 33	0 22	6 33	1 11	25 2	2 50	2 6	2 33	7 50	7 45	5 40
T 12	19 43	27 37	4 48	25 26	2 26	15 54	0 56	16 16	0 8	4 28	1 11	21 1	1 17	23 33	0 22	6 33	1 11	25 2	2 50	2 10	2 35	7 47	7 45	5 40
W13	19 57	25 15	4 19	25 31	2 25	16 17	0 54	16 29	0 8	4 25	1 11	21 2	1 17	23 33	0 22	6 33	1 11	25 1	2 50	2 13	2 36	7 43	7 45	5 39
T 14	20 10	21 45	3 39	25 34	2 23	16 40	0 52	16 41	0 7	4 22	1 11	21 3	1 17	23 33	0 22	6 32	1 11	25 1	2 50	2 15	2 37	7 40	7 45	5 39
F 15	20 23	17 25	2 50	25 36	2 19	17 3	0 50	16 54	0 7	4 19	1 12	21 4	1 17	23 33	0 22	6 32	1 11	25 1	2 50	2 16	2 38	7 37	7 45	5 39
S 16	20 36	12 28	1 54	25 36	2 16	17 25	0 48	17 7	0 6	4 16	1 12	21 5	1 17	23 33	0 22	6 32	1 11	25 1	2 50	2 16	2 40	7 33	7 45	5 38
S 17	20 48	7 6	0 54	25 34	2 11	17 46	0 46	17 19	0 5	4 13	1 12	21 6	1 17	23 34	0 22	6 32	1 11	25 1	2 50	2 16	2 41	7 30	7 45	5 38
M18	20 59	1 29	0s 9	25 31	2 5	18 7	0 44	17 31	0 5	4 10	1 12	21 7	1 17	23 34	0 22	6 31	1 11	25 0	2 50	2 16	2 42	7 26	7 45	5 37
T 19	21 11	4s14	1 11	25 26	1 58	18 28	0 42	17 44	0 4	4 8	1 12	21 8	1 17	23 34	0 22	6 31	1 11	25 0	2 50	2 16	2 43	7 23	7 45	5 37
W20	21 22	9 52	2 12	25 20	1 51	18 48	0 39	17 56	0 4	4 5	1 13	21 9	1 17	23 34	0 22	6 31	1 11	25 0	2 50	2 17	2 45	7 20	7 45	5 37
T 21	21 32	15 16	3 7	25 12	1 41	19 7	0 37	18 7	0 3	4 2	1 13	21 10	1 17	23 34	0 22	6 31	1 11	25 0	2 50	2 19	2 46	7 16	7 45	5 36
F 22	21 42	20 8	3 55	25 2	1 31	19 26	0 35	18 19	0 2	4 0	1 13	21 11	1 17	23 34	0 22	6 30	1 11	25 0	2 50	2 23	2 47	7 13	7 45	5 36
S 23	21 52	24 11	4 31	24 51	1 19	19 45	0 33	18 31	0 2	3 57	1 13	21 12	1 16	23 35	0 22	6 30	1 11	25 0	2 50	2 27	2 48	7 10	7 45	5 36
S 24	22 1	27 4	4 54	24 38	1 6	20 3	0 30	18 42	0 1	3 55	1 14	21 13	1 16	23 35	0 22	6 30	1 12	24 59	2 50	2 32	2 50	7 6	7 45	5 35
M25	22 10	28 26	5 1	24 24	0 52	20 20	0 28	18 53	0 1	3 52	1 14	21 14	1 16	23 35	0 22	6 30	1 12	24 59	2 50	2 37	2 51	7 3	7 44	5 35
T 26	22 18	28 5	4 50	24 8	0 36	20 37	0 26	19 4	0s 0	3 50	1 14	21 15	1 16	23 35	0 22	6 30	1 12	24 59	2 50	2 42	2 52	6 59	7 44	5 34
W27	22 26	25 57	4 22	23 50	0 19	20 53	0 23	19 15	0 1	3 48	1 14	21 16	1 16	23 35	0 22	6 30	1 12	24 59	2 50	2 46	2 53	6 56	7 44	5 34
T 28	22 34	22 13	3 38	23 32	0 1	21 8	0 21	19 26	0 1	3 45	1 15	21 16	1 16	23 35	0 22	6 29	1 12	24 59	2 50	2 49	2 55	6 53	7 44	5 34
F 29	22 41	17 12	2 41	23 12	0n18	21 23	0 19	19 37	0 2	3 43	1 15	21 17	1 16	23 36	0 22	6 29	1 12	24 58	2 50	2 51	2 56	6 49	7 43	5 33
S 30	22s48	11s15	1s34	22s51	0n38	21s37	0n16	19s47	0s 3	3n41	1n15	21s18	1n16	23n36	0n22	6n29	1n12	24s58	2s50	2s51	2s57	6n46	7s43	5n33

Julian Day Number = 2188882.5, Delta T = 10m54s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'39, Lahiri = 13°49'39 Julian Calendar 1 Nov. 1280 == Greg. Calendar 8 Nov. 1280

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ASTRODIENST EPHEMERIS for the year 1280
geocentric

DECEMBER 1280 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 9 49	17♐ 0'31	18♓51	25°R13	10♐17	28♏30	23♍45	14♐ 2	9°R 2	16♍25	19♑12	22°R50	22♓32	14♍40	25♒54	S 1
M 2	5 13 46	18° 1'39	2♈55	24♐ 4	11°32	29°13	23°50	14°10	8♋59	16°25	19°13	22♓50	22°29	14°47	25°56	M 2
T 3	5 17 42	19° 2'47	16°56	22°48	12°48	29°56	23°56	14°17	8°57	16°25	19°15	22°48	22°26	14°54	25°58	T 3
W 4	5 21 39	20° 3'55	0♉55	21°28	14° 3	0♐39	24° 1	14°24	8°54	16°26	19°17	22°44	22°22	15° 0	26° 0	W 4
T 5	5 25 35	21° 5'03	14°48	20° 5	15°19	1°22	24° 6	14°31	8°52	16°26	19°19	22°37	22°19	15° 7	26° 2	T 5
F 6	5 29 32	22° 6'12	28°35	18°44	16°34	2° 5	24°11	14°38	8°50	16°26	19°20	22°28	22°16	15°14	26° 4	F 6
S 7	5 33 28	23° 7'21	12♊11	17°25	17°50	2°49	24°16	14°45	8°47	16°26	19°22	22°15	22°13	15°20	26° 7	S 7
S 8	5 37 25	24° 8'30	25°33	16°13	19° 5	3°32	24°21	14°52	8°45	16°26	19°24	22° 2	22°10	15°27	26° 9	S 8
M 9	5 41 21	25° 9'40	8♋39	15° 8	20°21	4°15	24°25	14°59	8°42	16°26	19°26	21°48	22° 6	15°34	26°11	M 9
T 10	5 45 18	26°10'49	21°27	14°13	21°36	4°59	24°29	15° 6	8°40	16°26	19°28	21°36	22° 3	15°40	26°14	T 10
W11	5 49 15	27°11'59	3♌58	13°28	22°52	5°42	24°34	15°13	8°37	16°R26	19°29	21°26	22° 0	15°47	26°16	W11
T 12	5 53 11	28°13'10	16°13	12°53	24° 7	6°26	24°37	15°20	8°35	16°26	19°31	21°19	21°57	15°53	26°18	T 12
F 13	5 57 8	29°14'20	28°14	12°28	25°23	7° 9	24°41	15°26	8°32	16°26	19°33	21°14	21°54	16° 0	26°21	F 13
S 14	6 1 4	0♑15'31	10♍ 6	12°14	26°38	7°53	24°45	15°33	8°29	16°26	19°35	21°12	21°51	16° 7	26°24	S 14
S 15	6 5 1	1°16'42	21°53	12°D10	27°54	8°36	24°48	15°40	8°27	16°26	19°37	21°D12	21°47	16°13	26°26	S 15
M16	6 8 57	2°17'53	3♎42	12°14	29° 9	9°20	24°52	15°47	8°24	16°26	19°39	21°R12	21°44	16°20	26°29	M16
T 17	6 12 54	3°19'04	15°37	12°27	0♑25	10° 4	24°55	15°54	8°22	16°26	19°41	21°11	21°41	16°27	26°32	T 17
W18	6 16 50	4°20'16	27°44	12°48	1°40	10°48	24°58	16° 1	8°19	16°26	19°42	21° 9	21°38	16°33	26°34	W18
T 19	6 20 47	5°21'28	10♏ 8	13°16	2°56	11°31	25° 0	16° 8	8°17	16°25	19°44	21° 4	21°35	16°40	26°37	T 19
F 20	6 24 44	6°22'39	22°53	13°50	4°11	12°15	25° 3	16°14	8°14	16°25	19°46	20°57	21°32	16°47	26°40	F 20
S 21	6 28 40	7°23'51	6♐ 2	14°29	5°27	12°59	25° 5	16°21	8°11	16°25	19°48	20°47	21°28	16°53	26°43	S 21
S 22	6 32 37	8°25'03	19°34	15°14	6°42	13°43	25° 7	16°28	8° 9	16°24	19°50	20°35	21°25	17° 0	26°46	S 22
M23	6 36 33	9°26'15	3♑29	16° 3	7°58	14°27	25° 9	16°35	8° 6	16°24	19°52	20°23	21°22	17° 7	26°49	M23
T 24	6 40 30	10°27'26	17°41	16°57	9°13	15°11	25°11	16°41	8° 4	16°23	19°54	20°12	21°19	17°13	26°52	T 24
W25	6 44 26	11°28'37	2♒ 5	17°54	10°29	15°55	25°13	16°48	8° 1	16°23	19°56	20° 2	21°16	17°20	26°55	W25
T 26	6 48 23	12°29'47	16°35	18°54	11°44	16°39	25°14	16°55	7°58	16°23	19°58	19°55	21°12	17°26	26°58	T 26
F 27	6 52 20	13°30'57	1♓ 5	19°57	13° 0	17°23	25°16	17° 1	7°56	16°22	20° 0	19°51	21° 9	17°33	27° 1	F 27
S 28	6 56 16	14°32'06	15°29	21° 3	14°15	18° 7	25°17	17° 8	7°53	16°21	20° 2	19°D50	21° 6	17°40	27° 4	S 28
S 29	7 0 13	15°33'14	29°45	22°11	15°30	18°51	25°17	17°14	7°51	16°21	20° 4	19°50	21° 3	17°46	27° 7	S 29
M30	7 4 9	16°34'21	13♈50	23°22	16°46	19°36	25°18	17°21	7°48	16°20	20° 6	19°R51	21° 0	17°53	27°10	M30
T 31	7 8 6	17♑35'27	27♈44	24♐34	18♑ 1	20♐20	25♍19	17♐27	7♋45	16♍20	20♑ 7	19♓50	20♓57	18♍ 0	27♒14	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s54	4s45	0s21	22s29	0n58	21s51	0n14	19s57	0s 3	3n39	1n15	21s19	1n16	23n36	0n22	6n29	1n12	24s58	2s50	2s51	2s59	6n43	7s43	5n33
M 2	23 0	1n58	0n53	22 6	1 18	22 4	0 11	20 8	0 4	3 37	1 16	21 20	1 16	23 36	0 23	6 29	1 12	24 58	2 50	2 51	3 0	6 39	7 43	5 32
T 3	23 5	8 35	2 4	21 43	1 38	22 16	0 9	20 17	0 5	3 35	1 16	21 21	1 16	23 36	0 23	6 29	1 12	24 58	2 50	2 52	3 1	6 36	7 42	5 32
W 4	23 10	14 45	3 7	21 20	1 56	22 28	0 7	20 27	0 5	3 33	1 16	21 22	1 16	23 37	0 23	6 29	1 12	24 57	2 51	2 54	3 2	6 32	7 42	5 32
T 5	23 14	20 8	3 58	20 57	2 13	22 39	0 4	20 37	0 6	3 31	1 16	21 23	1 16	23 37	0 23	6 29	1 12	24 57	2 51	2 56	3 4	6 29	7 41	5 31
F 6	23 18	24 23	4 35	20 36	2 27	22 50	0 2	20 46	0 6	3 30	1 17	21 23	1 16	23 37	0 23	6 29	1 12	24 57	2 51	3 0	3 5	6 26	7 41	5 31
S 7	23 21	27 13	4 55	20 17	2 40	22 59	0s 1	20 55	0 7	3 28	1 17	21 24	1 16	23 37	0 23	6 29	1 12	24 57	2 51	3 5	3 6	6 22	7 41	5 31
S 8	23 24	28 27	4 59	20 0	2 50	23 8	0 3	21 4	0 8	3 26	1 17	21 25	1 16	23 37	0 23	6 29	1 12	24 56	2 51	3 10	3 7	6 19	7 40	5 30
M 9	23 27	28 2	4 47	19 45	2 58	23 16	0 5	21 13	0 8	3 25	1 18	21 26	1 16	23 37	0 23	6 29	1 12	24 56	2 51	3 16	3 9	6 15	7 40	5 30
T 10	23 29	26 6	4 21	19 34	3 4	23 24	0 8	21 22	0 9	3 23	1 18	21 27	1 16	23 38	0 23	6 29	1 12	24 56	2 51	3 21	3 10	6 12	7 39	5 30
W11	23 30	22 56	3 42	19 25	3 7	23 31	0 10	21 30	0 10	3 22	1 18	21 28	1 16	23 38	0 23	6 29	1 12	24 56	2 51	3 25	3 11	6 9	7 39	5 29
T 12	23 31	18 48	2 54	19 20	3 8	23 37	0 13	21 38	0 10	3 21	1 18	21 28	1 16	23 38	0 23	6 29	1 12	24 56	2 51	3 28	3 12	6 5	7 38	5 29
F 13	23 32	13 59	1 59	19 17	3 7	23 42	0 15	21 46	0 11	3 19	1 19	21 29	1 15	23 38	0 23	6 29	1 12	24 55	2 51	3 29	3 14	6 2	7 38	5 29
S 14	23 32	8 43	0 59	19 18	3 5	23 47	0 17	21 54	0 12	3 18	1 19	21 30	1 15	23 38	0 23	6 29	1 13	24 55	2 51	3 30	3 15	5 58	7 37	5 28
S 15	23 32	3 10	0s 4	19 21	3 1	23 51	0 20	22 2	0 12	3 17	1 19	21 31	1 15	23 39	0 23	6 29	1 13	24 55	2 51	3 30	3 16	5 55	7 36	5 28
M16	23 31	2s29	1 6	19 26	2 56	23 54	0 22	22 9	0 13	3 16	1 19	21 31	1 15	23 39	0 23	6 29	1 13	24 55	2 51	3 30	3 17	5 52	7 36	5 28
T 17	23 30	8 6	2 6	19 34	2 50	23 56	0 24	22 16	0 14	3 15	1 20	21 32	1 15	23 39	0 23	6 29	1 13	24 54	2 51	3 30	3 19	5 48	7 35	5 27
W18	23 28	13 31	3 1	19 43	2 43	23 58	0 27	22 23	0 14	3 14	1 20	21 33	1 15	23 39	0 23	6 30	1 13	24 54	2 51	3 31	3 20	5 45	7 35	5 27
T 19	23 26	18 32	3 49	19 54	2 36	23 59	0 29	22 30	0 15	3 13	1 20	21 34	1 15	23 39	0 23	6 30	1 13	24 54	2 51	3 33	3 21	5 41	7 34	5 27
F 20	23 23	22 52	4 27	20 6	2 28	23 59	0 31	22 37	0 16	3 12	1 21	21 34	1 15	23 39	0 23	6 30	1 13	24 54	2 51	3 36	3 22	5 38	7 33	5 27
S 21	23 20	26 11	4 52	20 19	2 20	23 59	0 33	22 43	0 16	3 12	1 21	21 35	1 15	23 40	0 23	6 30	1 13	24 54	2 51	3 40	3 24	5 35	7 33	5 26
S 22	23 16	28 8	5 2	20 32	2 11	23 57	0 35	22 49	0 17	3 11	1 21	21 36	1 15	23 40	0 23	6 30	1 13	24 53	2 52	3 45	3 25	5 31	7 32	5 26
M23	23 12	28 23	4 54	20 46	2 3	23 55	0 38	22 55	0 18	3 11	1 21	21 36	1 15	23 40	0 23	6 30	1 13	24 53	2 52	3 50	3 26	5 28	7 31	5 26
T 24	23 7	26 47	4 28	21 0	1 54	23 52	0 40	23 1	0 18	3 10	1 22	21 37	1 15	23 40	0 23	6 31	1 13	24 53	2 52	3 54	3 27	5 24	7 30	5 25
W25	23 2	23 25	3 45	21 15	1 45	23 49	0 42	23 6	0 19	3 10	1 22	21 38	1 15	23 40	0 23	6 31	1 13	24 53	2 52	3 58	3 29	5 21	7 30	5 25
T 26	22 57	18 35	2 47	21 29	1 35	23 45	0 44	23 11	0 20	3 9	1 22	21 38	1 15	23 40	0 23	6 31	1 13	24 52	2 52	4 0	3 30	5 18	7 29	5 25
F 27	22 51	12 40	1 38	21 43	1 26	23 40	0 46	23 16	0 20	3 9	1 23	21 39	1 15	23 41	0 23	6 31	1 13	24 52	2 52	4 2	3 31	5 14	7 28	5 25
S 28	22 44	6 6	0 23	21 57	1 17	23 34	0 48	23 21	0 21	3 9	1 23	21 40	1 15	23 41	0 23	6 32	1 13	24 52	2 52	4 3	3 32	5 11	7 27	5 24
S 29	22 37	0n42	0n53	22 10	1 8	23 27	0 50	23 26	0 22	3 9	1 23	21 40	1 15	23 41	0 23	6 32	1 13	24 52	2 52	4 2	3 34	5 7	7 26	5 24
M30	22 30	7 23	2 4	22 23	0 59	23 20	0 52	23 30	0 22	3 9	1 23	21 41	1 15	23 41	0 23	6 32	1 13	24 52	2 52	4 2	3 35	5 4	7 26	5 24
T 31	22s22	13n38	3n 8	22s36	0n50	23s12	0s54	23s34	0s23	3n 9	1n24	21s42	1n15	23n41	0n23	6n33	1n13	24s51	2s52	4s 2	3s36	5n 0	7s25	5n24

Julian Day Number = 2188912.5, Delta T = 10m54s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'43, Lahiri = 13°49'43 Julian Calendar 1 Dec. 1280 == Greg. Calendar 8 Dec. 1280

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

JANUARY 1281 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 12 2	18♑36'32	11♉27	25♐48	19♑17	21♐ 4	25♍19	17♐33	7°R43	16°R19	20♑ 9	19°R48	20♓53	18♍ 6	27♒17	W 1
T 2	7 15 59	19°37'37	25° 0	27° 4	20°32	21°49	25°R19	17°40	7♋40	16♍18	20°11	19♓43	20°50	18°13	27°20	T 2
F 3	7 19 55	20°38'40	8♊22	28°21	21°48	22°33	25°19	17°46	7°38	16°17	20°13	19°35	20°47	18°20	27°24	F 3
S 4	7 23 52	21°39'43	21°32	29°39	23° 3	23°17	25°19	17°52	7°35	16°17	20°15	19°26	20°44	18°26	27°27	S 4
S 5	7 27 49	22°40'44	4♋30	0♑59	24°18	24° 2	25°18	17°59	7°33	16°16	20°17	19°15	20°41	18°33	27°30	S 5
M 6	7 31 45	23°41'45	17°16	2°20	25°34	24°46	25°17	18° 5	7°30	16°15	20°19	19° 5	20°38	18°40	27°34	M 6
T 7	7 35 42	24°42'45	29°49	3°42	26°49	25°31	25°17	18°11	7°28	16°14	20°21	18°55	20°34	18°46	27°37	T 7
W 8	7 39 38	25°43'44	12♌ 8	5° 5	28° 4	26°15	25°16	18°17	7°25	16°13	20°23	18°47	20°31	18°53	27°41	W 8
T 9	7 43 35	26°44'42	24°16	6°29	29°20	27° 0	25°14	18°23	7°23	16°12	20°25	18°41	20°28	19° 0	27°44	T 9
F 10	7 47 31	27°45'39	6♍13	7°54	0♒35	27°44	25°13	18°29	7°21	16°11	20°27	18°38	20°25	19° 6	27°48	F 10
S 11	7 51 28	28°46'35	18° 3	9°20	1°50	28°29	25°11	18°35	7°18	16°10	20°29	18°D37	20°22	19°13	27°51	S 11
S 12	7 55 24	29°47'31	29°50	10°47	3° 6	29°14	25° 9	18°41	7°16	16° 9	20°31	18°38	20°18	19°19	27°55	S 12
M13	7 59 21	0♒48'25	11♎38	12°15	4°21	29°59	25° 7	18°47	7°14	16° 8	20°33	18°39	20°15	19°26	27°59	M13
T 14	8 3 18	1°49'19	23°32	13°43	5°36	0♑43	25° 5	18°53	7°11	16° 7	20°35	18°40	20°12	19°33	28° 2	T 14
W15	8 7 14	2°50'12	5♏37	15°13	6°51	1°28	25° 3	18°58	7° 9	16° 6	20°37	18°R41	20° 9	19°39	28° 6	W15
T 16	8 11 11	3°51'04	17°59	16°43	8° 7	2°13	25° 0	19° 4	7° 7	16° 5	20°38	18°39	20° 6	19°46	28° 9	T 16
F 17	8 15 7	4°51'56	0♐42	18°14	9°22	2°58	24°57	19°10	7° 5	16° 4	20°40	18°36	20° 3	19°53	28°13	F 17
S 18	8 19 4	5°52'46	13°50	19°45	10°37	3°43	24°55	19°15	7° 2	16° 3	20°42	18°31	19°59	19°59	28°17	S 18
S 19	8 23 0	6°53'35	27°26	21°18	11°52	4°28	24°51	19°21	7° 0	16° 2	20°44	18°25	19°56	20° 6	28°21	S 19
M20	8 26 57	7°54'24	11♑28	22°51	13° 8	5°13	24°48	19°26	6°58	16° 0	20°46	18°18	19°53	20°13	28°24	M20
T 21	8 30 53	8°55'11	25°53	24°25	14°23	5°58	24°45	19°32	6°56	15°59	20°48	18°12	19°50	20°19	28°28	T 21
W22	8 34 50	9°55'57	10♒36	26° 0	15°38	6°43	24°41	19°37	6°54	15°58	20°50	18° 6	19°47	20°26	28°32	W22
T 23	8 38 47	10°56'41	25°30	27°36	16°53	7°28	24°37	19°42	6°52	15°57	20°52	18° 3	19°44	20°33	28°36	T 23
F 24	8 42 43	11°57'24	10♓25	29°12	18° 8	8°13	24°33	19°48	6°50	15°55	20°54	18° 1	19°40	20°39	28°40	F 24
S 25	8 46 40	12°58'05	25°15	0♒50	19°24	8°58	24°29	19°53	6°48	15°54	20°55	18°D 1	19°37	20°46	28°44	S 25
S 26	8 50 36	13°58'45	9♈52	2°28	20°39	9°43	24°25	19°58	6°46	15°53	20°57	18° 2	19°34	20°53	28°47	S 26
M27	8 54 33	14°59'23	24°12	4° 7	21°54	10°28	24°20	20° 3	6°44	15°51	20°59	18° 4	19°31	20°59	28°51	M27
T 28	8 58 29	15°59'59	8♉14	5°46	23° 9	11°14	24°15	20° 8	6°42	15°50	21° 1	18° 5	19°28	21° 6	28°55	T 28
W29	9 2 26	17° 0'33	21°57	7°27	24°24	11°59	24°11	20°13	6°40	15°49	21° 3	18°R 5	19°24	21°12	28°59	W29
T 30	9 6 22	18° 1'06	5♊21	9° 9	25°39	12°44	24° 6	20°17	6°39	15°47	21° 4	18° 4	19°21	21°19	29° 3	T 30
F 31	9 10 19	19♒ 1'36	18♊28	10♒51	26♒54	13♑29	24♍ 1	20♐22	6♋37	15♍46	21♑ 6	18♓ 1	19♓18	21♍26	29♒ 7	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s14	19n 7	3n59	22s47	0n41	23s 4	0s56	23s38	0s24	3n 9	1n24	21s42	1n15	23n41	0n23	6n33	1n13	24s51	2s52	4s 3	3s37	4n57	7s24	5n23
T 2	22 6	23 34	4 37	22 58	0 32	22 54	0 57	23 41	0 25	3 9	1 24	21 43	1 15	23 42	0 23	6 33	1 13	24 51	2 52	4 5	3 39	4 54	7 23	5 23
F 3	21 57	26 42	4 59	23 8	0 24	22 44	0 59	23 45	0 25	3 10	1 25	21 43	1 15	23 42	0 23	6 33	1 13	24 51	2 52	4 8	3 40	4 50	7 22	5 23
S 4	21 47	28 19	5 4	23 17	0 15	22 33	1 1	23 48	0 26	3 10	1 25	21 44	1 15	23 42	0 23	6 34	1 14	24 51	2 52	4 12	3 41	4 47	7 21	5 23
S 5	21 37	28 21	4 54	23 25	0 7	22 22	1 3	23 51	0 27	3 11	1 25	21 44	1 15	23 42	0 23	6 34	1 14	24 50	2 53	4 16	3 43	4 43	7 20	5 23
M 6	21 27	26 52	4 29	23 32	0s 1	22 10	1 4	23 53	0 27	3 11	1 25	21 45	1 15	23 42	0 23	6 35	1 14	24 50	2 53	4 20	3 44	4 40	7 19	5 22
T 7	21 16	24 2	3 51	23 38	0 9	21 57	1 6	23 55	0 28	3 12	1 26	21 46	1 15	23 42	0 23	6 35	1 14	24 50	2 53	4 24	3 45	4 37	7 18	5 22
W 8	21 5	20 9	3 3	23 43	0 17	21 44	1 7	23 58	0 29	3 12	1 26	21 46	1 15	23 42	0 23	6 35	1 14	24 50	2 53	4 27	3 46	4 33	7 17	5 22
T 9	20 53	15 29	2 7	23 47	0 25	21 30	1 9	23 59	0 29	3 13	1 26	21 47	1 15	23 43	0 23	6 36	1 14	24 50	2 53	4 30	3 48	4 30	7 16	5 22
F 10	20 42	10 18	1 6	23 50	0 32	21 15	1 10	24 1	0 30	3 14	1 27	21 47	1 15	23 43	0 23	6 36	1 14	24 49	2 53	4 31	3 49	4 26	7 15	5 21
S 11	20 29	4 47	0 3	23 51	0 39	21 0	1 12	24 2	0 31	3 15	1 27	21 48	1 15	23 43	0 23	6 37	1 14	24 49	2 53	4 31	3 50	4 23	7 14	5 21
S 12	20 17	0s51	1s 0	23 52	0 46	20 44	1 13	24 3	0 31	3 16	1 27	21 48	1 15	23 43	0 23	6 37	1 14	24 49	2 53	4 31	3 51	4 19	7 13	5 21
M13	20 3	6 29	2 1	23 51	0 53	20 27	1 14	24 4	0 32	3 17	1 27	21 49	1 15	23 43	0 23	6 37	1 14	24 49	2 53	4 30	3 53	4 16	7 12	5 21
T 14	19 50	11 55	2 58	23 48	0 59	20 10	1 15	24 5	0 33	3 18	1 28	21 49	1 15	23 43	0 23	6 38	1 14	24 48	2 53	4 30	3 54	4 13	7 11	5 21
W15	19 36	17 0	3 47	23 45	1 5	19 52	1 17	24 5	0 33	3 19	1 28	21 49	1 15	23 43	0 23	6 38	1 14	24 48	2 54	4 30	3 55	4 9	7 10	5 21
T 16	19 22	21 31	4 27	23 40	1 11	19 34	1 18	24 5	0 34	3 21	1 28	21 50	1 15	23 43	0 23	6 39	1 14	24 48	2 54	4 30	3 56	4 6	7 9	5 20
F 17	19 8	25 11	4 55	23 34	1 17	19 15	1 19	24 5	0 35	3 22	1 29	21 50	1 15	23 44	0 23	6 39	1 14	24 48	2 54	4 31	3 58	4 2	7 8	5 20
S 18	18 53	27 40	5 9	23 26	1 22	18 55	1 20	24 5	0 36	3 23	1 29	21 51	1 15	23 44	0 23	6 40	1 14	24 48	2 54	4 33	3 59	3 59	7 7	5 20
S 19	18 37	28 37	5 6	23 17	1 28	18 35	1 21	24 4	0 36	3 25	1 29	21 51	1 15	23 44	0 23	6 40	1 14	24 48	2 54	4 36	4 0	3 55	7 6	5 20
M20	18 22	27 46	4 45	23 7	1 32	18 15	1 22	24 3	0 37	3 26	1 29	21 52	1 15	23 44	0 23	6 41	1 14	24 47	2 54	4 39	4 1	3 52	7 4	5 20
T 21	18 6	25 5	4 6	22 55	1 37	17 54	1 22	24 2	0 38	3 28	1 30	21 52	1 15	23 44	0 23	6 41	1 14	24 47	2 54	4 41	4 3	3 49	7 3	5 20
W22	17 50	20 41	3 10	22 41	1 41	17 32	1 23	24 0	0 38	3 30	1 30	21 52	1 15	23 44	0 23	6 42	1 14	24 47	2 54	4 43	4 4	3 45	7 2	5 19
T 23	17 33	14 57	2 0	22 27	1 45	17 10	1 24	23 58	0 39	3 31	1 30	21 53	1 15	23 44	0 23	6 42	1 14	24 47	2 54	4 45	4 5	3 42	7 1	5 19
F 24	17 16	8 20	0 41	22 10	1 49	16 48	1 24	23 56	0 40	3 33	1 30	21 53	1 15	23 44	0 23	6 43	1 14	24 47	2 54	4 45	4 6	3 38	7 0	5 19
S 25	16 59	1 18	0n39	21 53	1 52	16 25	1 25	23 54	0 40	3 35	1 31	21 54	1 16	23 44	0 23	6 43	1 14	24 46	2 55	4 45	4 8	3 35	6 59	5 19
S 26	16 42	5n42	1 57	21 33	1 55	16 1	1 26	23 52	0 41	3 37	1 31	21 54	1 16	23 45	0 23	6 44	1 14	24 46	2 55	4 45	4 9	3 31	6 57	5 19
M27	16 24	12 17	3 5	21 13	1 58	15 37	1 26	23 49	0 42	3 39	1 31	21 54	1 16	23 45	0 23	6 45	1 14	24 46	2 55	4 44	4 10	3 28	6 56	5 19
T 28	16 6	18 6	4 1	20 50	2 0	15 13	1 26	23 46	0 42	3 41	1 31	21 55	1 16	23 45	0 23	6 45	1 14	24 46	2 55	4 44	4 11	3 24	6 55	5 19
W29	15 48	22 51	4 41	20 27	2 2	14 48	1 27	23 43	0 43	3 43	1 32	21 55	1 16	23 45	0 23	6 46	1 14	24 46	2 55	4 44	4 13	3 21	6 54	5 19
T 30	15 29	26 17	5 6	20 1	2 3	14 23	1 27	23 39	0 44	3 45	1 32	21 55	1 16	23 45	0 23	6 46	1 14	24 46	2 55	4 44	4 14	3 18	6 52	5 18
F 31	15s11	28n14	5n13	19s34	2s 4	13s58	1s27	23s35	0s45	3n48	1n32	21s55	1n16	23n45	0n23	6n47	1n15	24s45	2s55	4s45	4s15	3n14	6s51	5n18

Julian Day Number = 2188943.5, Delta T = 10m54s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'47, Lahiri = 13°49'47 Julian Calendar 1 Jan. 1281 == Greg. Calendar 8 Jan. 1281

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

FEBRUARY 1281 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 14 16	20♒ 2'05	1♋20	12♒35	28♒ 9	14♉15	23°R55	20♐27	6°R35	15°R44	21♉ 8	17°R57	19♓15	21♍32	29♒11	S 1
S 2	9 18 12	21° 2'32	13°59	14°19	29°24	15° 0	23♍50	20°31	6♋33	15♍43	21°10	17♓53	19°12	21°39	29°15	S 2
M 3	9 22 9	22° 2'57	26°25	16° 4	0♓39	15°46	23°44	20°36	6°32	15°41	21°11	17°48	19° 9	21°46	29°19	M 3
T 4	9 26 5	23° 3'20	8♌40	17°51	1°54	16°31	23°39	20°40	6°30	15°40	21°13	17°44	19° 5	21°52	29°23	T 4
W 5	9 30 2	24° 3'42	20°47	19°38	3° 9	17°16	23°33	20°45	6°29	15°38	21°15	17°41	19° 2	21°59	29°26	W 5
T 6	9 33 58	25° 4'02	2♍45	21°26	4°24	18° 2	23°27	20°49	6°27	15°37	21°16	17°38	18°59	22° 6	29°30	T 6
F 7	9 37 55	26° 4'19	14°37	23°15	5°39	18°47	23°21	20°53	6°26	15°35	21°18	17°D38	18°56	22°12	29°34	F 7
S 8	9 41 51	27° 4'36	26°25	25° 5	6°54	19°33	23°14	20°57	6°24	15°34	21°20	17°38	18°53	22°19	29°38	S 8
S 9	9 45 48	28° 4'50	8♎12	26°56	8° 8	20°18	23° 8	21° 2	6°23	15°32	21°21	17°39	18°49	22°26	29°42	S 9
M10	9 49 45	29° 5'03	20° 2	28°48	9°23	21° 4	23° 2	21° 5	6°22	15°31	21°23	17°40	18°46	22°32	29°46	M10
T 11	9 53 41	0♓ 5'15	1♏57	0♓41	10°38	21°49	22°55	21° 9	6°21	15°29	21°25	17°42	18°43	22°39	29°50	T 11
W12	9 57 38	1° 5'25	14° 2	2°35	11°53	22°35	22°48	21°13	6°19	15°27	21°26	17°43	18°40	22°45	29°54	W12
T 13	10 1 34	2° 5'33	26°22	4°29	13° 8	23°21	22°42	21°17	6°18	15°26	21°28	17°44	18°37	22°52	29°58	T 13
F 14	10 5 31	3° 5'40	9♐ 1	6°24	14°23	24° 6	22°35	21°21	6°17	15°24	21°29	17°R44	18°34	22°59	0♓ 2	F 14
S 15	10 9 27	4° 5'45	22° 3	8°20	15°37	24°52	22°28	21°24	6°16	15°23	21°31	17°43	18°30	23° 5	0° 6	S 15
S 16	10 13 24	5° 5'49	5♉31	10°17	16°52	25°38	22°21	21°28	6°15	15°21	21°32	17°42	18°27	23°12	0°10	S 16
M17	10 17 20	6° 5'50	19°27	12°13	18° 7	26°24	22°13	21°31	6°14	15°19	21°34	17°41	18°24	23°19	0°14	M17
T 18	10 21 17	7° 5'51	3♒49	14°10	19°21	27° 9	22° 6	21°34	6°13	15°18	21°35	17°39	18°21	23°25	0°18	T 18
W19	10 25 14	8° 5'49	18°35	16° 7	20°36	27°55	21°59	21°38	6°12	15°16	21°37	17°38	18°18	23°32	0°22	W19
T 20	10 29 10	9° 5'46	3♓37	18° 4	21°51	28°41	21°52	21°41	6°12	15°14	21°38	17°38	18°15	23°39	0°26	T 20
F 21	10 33 7	10° 5'40	18°47	20° 0	23° 5	29°27	21°44	21°44	6°11	15°13	21°40	17°D37	18°11	23°45	0°30	F 21
S 22	10 37 3	11° 5'33	3♈56	21°56	24°20	0♒12	21°37	21°47	6°10	15°11	21°41	17°38	18° 8	23°52	0°33	S 22
S 23	10 41 0	12° 5'23	18°54	23°50	25°34	0°58	21°29	21°50	6° 9	15° 9	21°43	17°38	18° 5	23°59	0°37	S 23
M24	10 44 56	13° 5'11	3♉34	25°43	26°49	1°44	21°21	21°53	6° 9	15° 8	21°44	17°38	18° 2	24° 5	0°41	M24
T 25	10 48 53	14° 4'57	17°52	27°33	28° 3	2°30	21°14	21°55	6° 8	15° 6	21°45	17°39	17°59	24°12	0°45	T 25
W26	10 52 49	15° 4'41	1♊45	29°22	29°18	3°16	21° 6	21°58	6° 8	15° 4	21°47	17°39	17°55	24°18	0°49	W26
T 27	10 56 46	16° 4'22	15°13	1♈ 8	0♈32	4° 2	20°58	22° 0	6° 7	15° 3	21°48	17°R39	17°52	24°25	0°53	T 27
F 28	11 0 43	17♓ 4'02	28♊18	2♈50	1♈47	4♒48	20♍51	22♐ 3	6♋ 7	15♍ 1	21♉49	17♓39	17♓49	24♍32	0♓57	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s52	28n36	5n 5	19s 6	2s 5	13s32	1s27	23s31	0s45	3n50	1n32	21s56	1n16	23n45	0n23	6n47	1n15	24s45	2s55	4s47	4s16	3n11	6s50	5n18
S 2	14 32	27 28	4 42	18 36	2 5	13 5	1 27	23 27	0 46	3 52	1 32	21 56	1 16	23 45	0 23	6 48	1 15	24 45	2 56	4 49	4 18	3 7	6 49	5 18
M 3	14 13	24 58	4 5	18 4	2 5	12 39	1 27	23 22	0 47	3 55	1 33	21 56	1 16	23 45	0 23	6 49	1 15	24 45	2 56	4 50	4 19	3 4	6 47	5 18
T 4	13 53	21 21	3 18	17 31	2 5	12 12	1 27	23 17	0 47	3 57	1 33	21 57	1 16	23 45	0 23	6 49	1 15	24 45	2 56	4 52	4 20	3 0	6 46	5 18
W 5	13 33	16 53	2 23	16 57	2 4	11 45	1 27	23 12	0 48	4 0	1 33	21 57	1 16	23 45	0 23	6 50	1 15	24 45	2 56	4 53	4 21	2 57	6 45	5 18
T 6	13 13	11 48	1 21	16 20	2 2	11 17	1 27	23 7	0 49	4 2	1 33	21 57	1 16	23 45	0 23	6 50	1 15	24 45	2 56	4 54	4 23	2 54	6 43	5 18
F 7	12 53	6 20	0 17	15 43	2 0	10 49	1 27	23 2	0 49	4 5	1 33	21 57	1 16	23 45	0 23	6 51	1 15	24 44	2 56	4 55	4 24	2 50	6 42	5 18
S 8	12 32	0 41	0s48	15 3	1 57	10 21	1 26	22 56	0 50	4 8	1 34	21 58	1 16	23 46	0 23	6 52	1 15	24 44	2 56	4 54	4 25	2 47	6 41	5 18
S 9	12 11	4s58	1 51	14 22	1 54	9 53	1 26	22 50	0 51	4 10	1 34	21 58	1 16	23 46	0 23	6 52	1 15	24 44	2 56	4 54	4 26	2 43	6 40	5 18
M10	11 50	10 29	2 50	13 40	1 51	9 24	1 26	22 43	0 51	4 13	1 34	21 58	1 16	23 46	0 23	6 53	1 15	24 44	2 57	4 53	4 28	2 40	6 38	5 18
T 11	11 29	15 39	3 41	12 56	1 47	8 55	1 25	22 37	0 52	4 16	1 34	21 58	1 16	23 46	0 23	6 54	1 15	24 44	2 57	4 53	4 29	2 36	6 37	5 18
W12	11 8	20 18	4 24	12 11	1 42	8 26	1 24	22 30	0 53	4 18	1 34	21 58	1 16	23 46	0 23	6 54	1 15	24 44	2 57	4 52	4 30	2 33	6 36	5 18
T 13	10 46	24 12	4 55	11 24	1 37	7 57	1 24	22 23	0 53	4 21	1 34	21 59	1 16	23 46	0 23	6 55	1 15	24 44	2 57	4 52	4 31	2 29	6 34	5 18
F 14	10 25	27 3	5 13	10 36	1 31	7 27	1 23	22 16	0 54	4 24	1 35	21 59	1 16	23 46	0 23	6 55	1 15	24 44	2 57	4 52	4 33	2 26	6 33	5 17
S 15	10 3	28 33	5 16	9 47	1 24	6 57	1 22	22 8	0 55	4 27	1 35	21 59	1 16	23 46	0 23	6 56	1 15	24 43	2 57	4 52	4 34	2 23	6 32	5 17
S 16	9 41	28 27	5 2	8 56	1 17	6 27	1 21	22 1	0 55	4 30	1 35	21 59	1 16	23 46	0 23	6 57	1 15	24 43	2 57	4 53	4 35	2 19	6 30	5 17
M17	9 19	26 34	4 30	8 5	1 10	5 57	1 21	21 53	0 56	4 33	1 35	21 59	1 17	23 46	0 23	6 57	1 15	24 43	2 58	4 53	4 36	2 16	6 29	5 17
T 18	8 56	22 56	3 40	7 12	1 2	5 27	1 20	21 44	0 57	4 36	1 35	22 0	1 17	23 46	0 23	6 58	1 15	24 43	2 58	4 54	4 38	2 12	6 28	5 17
W19	8 34	17 46	2 34	6 18	0 53	4 57	1 19	21 36	0 57	4 39	1 35	22 0	1 17	23 46	0 23	6 59	1 15	24 43	2 58	4 54	4 39	2 9	6 26	5 17
T 20	8 11	11 25	1 17	5 24	0 43	4 26	1 17	21 27	0 58	4 42	1 35	22 0	1 17	23 46	0 23	6 59	1 15	24 43	2 58	4 55	4 40	2 5	6 25	5 17
F 21	7 49	4 21	0n 6	4 29	0 33	3 55	1 16	21 18	0 59	4 45	1 35	22 0	1 17	23 46	0 23	7 0	1 15	24 43	2 58	4 55	4 41	2 2	6 23	5 17
S 22	7 26	2n56	1 29	3 34	0 23	3 25	1 15	21 9	0 59	4 48	1 36	22 0	1 17	23 46	0 23	7 1	1 15	24 43	2 58	4 55	4 43	1 58	6 22	5 17
S 23	7 3	9 59	2 45	2 38	0 12	2 54	1 14	21 0	1 0	4 51	1 36	22 0	1 17	23 46	0 23	7 1	1 15	24 43	2 58	4 54	4 44	1 55	6 21	5 17
M24	6 40	16 20	3 49	1 43	0 0	2 23	1 13	20 50	1 1	4 54	1 36	22 0	1 17	23 46	0 23	7 2	1 15	24 43	2 59	4 54	4 45	1 51	6 19	5 17
T 25	6 17	21 38	4 36	0 48	0n12	1 52	1 11	20 40	1 1	4 57	1 36	22 0	1 17	23 46	0 23	7 3	1 15	24 43	2 59	4 54	4 46	1 48	6 18	5 17
W26	5 54	25 35	5 6	0n 7	0 24	1 21	1 10	20 30	1 2	5 1	1 36	22 1	1 17	23 46	0 23	7 3	1 15	24 42	2 59	4 54	4 48	1 45	6 17	5 17
T 27	5 31	27 58	5 18	1 0	0 36	0 50	1 8	20 20	1 3	5 4	1 36	22 1	1 17	23 46	0 23	7 4	1 15	24 42	2 59	4 54	4 49	1 41	6 15	5 18
F 28	5s 8	28n44	5n12	1n53	0n49	0s18	1s 7	20s10	1s 3	5n 7	1n36	22s 1	1n17	23n46	0n23	7n 5	1n15	24s42	2s59	4s54	4s50	1n38	6s14	5n18

Julian Day Number = 2188974.5, Delta T = 10m54s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'51, Lahiri = 13°49'52 Julian Calendar 1 Feb. 1281 == Greg. Calendar 8 Feb. 1281

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

MARCH 1281 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 4 39	18♓ 3'38	11♋ 2	4♈28	3♈ 1	5♒34	20°R43	22♐ 5	6°R 7	14°R59	21♑50	17°D39	17♓46	24♍38	1♓ 1	S 1
S 2	11 8 36	19° 3'13	23°29	6° 3	4°16	6°20	20♍35	22° 7	6♋ 6	14♍58	21°52	17♓39	17°43	24°45	1° 4	S 2
M 3	11 12 32	20° 2'45	5♌43	7°32	5°30	7° 5	20°27	22°10	6° 6	14°56	21°53	17°39	17°40	24°52	1° 8	M 3
T 4	11 16 29	21° 2'15	17°46	8°57	6°44	7°51	20°20	22°12	6° 6	14°55	21°54	17°40	17°36	24°58	1°12	T 4
W 5	11 20 25	22° 1'43	29°41	10°16	7°58	8°37	20°12	22°14	6° 6	14°53	21°55	17°40	17°33	25° 5	1°16	W 5
T 6	11 24 22	23° 1'08	11♍32	11°29	9°13	9°23	20° 4	22°15	6° 6	14°51	21°56	17°40	17°30	25°12	1°19	T 6
F 7	11 28 18	24° 0'31	23°20	12°36	10°27	10° 9	19°56	22°17	6°D 6	14°50	21°57	17°R40	17°27	25°18	1°23	F 7
S 8	11 32 15	24°59'53	5♎ 8	13°36	11°41	10°55	19°49	22°19	6° 6	14°48	21°58	17°40	17°24	25°25	1°27	S 8
S 9	11 36 12	25°59'12	16°58	14°30	12°55	11°41	19°41	22°20	6° 6	14°46	21°59	17°39	17°21	25°32	1°30	S 9
M10	11 40 8	26°58'29	28°52	15°16	14° 9	12°27	19°33	22°22	6° 6	14°45	22° 0	17°38	17°17	25°38	1°34	M10
T 11	11 44 5	27°57'44	10♏53	15°56	15°23	13°13	19°26	22°23	6° 6	14°43	22° 1	17°37	17°14	25°45	1°38	T 11
W12	11 48 1	28°56'58	23° 3	16°28	16°37	13°59	19°18	22°25	6° 7	14°41	22° 2	17°35	17°11	25°52	1°41	W12
T 13	11 51 58	29°56'09	5♐26	16°53	17°51	14°45	19°11	22°26	6° 7	14°40	22° 3	17°34	17° 8	25°58	1°45	T 13
F 14	11 55 54	0♈55'19	18° 5	17°10	19° 5	15°31	19° 3	22°27	6° 7	14°38	22° 4	17°33	17° 5	26° 5	1°49	F 14
S 15	11 59 51	1°54'27	1♑ 3	17°20	20°19	16°17	18°56	22°28	6° 8	14°37	22° 5	17°D32	17° 1	26°11	1°52	S 15
S 16	12 3 47	2°53'34	14°23	17°R23	21°33	17° 4	18°48	22°29	6° 8	14°35	22° 6	17°33	16°58	26°18	1°56	S 16
M17	12 7 44	3°52'38	28° 8	17°19	22°47	17°50	18°41	22°30	6° 9	14°34	22° 7	17°33	16°55	26°25	1°59	M17
T 18	12 11 41	4°51'41	12♒17	17° 9	24° 1	18°36	18°34	22°30	6° 9	14°32	22° 8	17°35	16°52	26°31	2° 3	T 18
W19	12 15 37	5°50'42	26°51	16°52	25°15	19°22	18°26	22°31	6°10	14°31	22° 9	17°36	16°49	26°38	2° 6	W19
T 20	12 19 34	6°49'41	11♓44	16°29	26°29	20° 8	18°19	22°31	6°11	14°29	22° 9	17°R37	16°46	26°45	2° 9	T 20
F 21	12 23 30	7°48'38	26°51	16° 1	27°42	20°54	18°12	22°32	6°11	14°27	22°10	17°36	16°42	26°51	2°13	F 21
S 22	12 27 27	8°47'33	12♈ 3	15°29	28°56	21°40	18° 5	22°32	6°12	14°26	22°11	17°35	16°39	26°58	2°16	S 22
S 23	12 31 23	9°46'26	27°10	14°52	0♉10	22°26	17°59	22°32	6°13	14°25	22°11	17°33	16°36	27° 5	2°19	S 23
M24	12 35 20	10°45'17	12♉ 3	14°12	1°24	23°12	17°52	22°32	6°14	14°23	22°12	17°30	16°33	27°11	2°23	M24
T 25	12 39 16	11°44'05	26°35	13°30	2°37	23°58	17°45	22°R32	6°15	14°22	22°13	17°27	16°30	27°18	2°26	T 25
W26	12 43 13	12°42'52	10♊40	12°46	3°51	24°44	17°39	22°32	6°16	14°20	22°13	17°24	16°27	27°25	2°29	W26
T 27	12 47 10	13°41'36	24°17	12° 1	5° 4	25°30	17°32	22°32	6°17	14°19	22°14	17°21	16°23	27°31	2°32	T 27
F 28	12 51 6	14°40'18	7♋26	11°17	6°18	26°16	17°26	22°32	6°18	14°17	22°15	17°20	16°20	27°38	2°36	F 28
S 29	12 55 3	15°38'58	20°11	10°33	7°31	27° 2	17°20	22°31	6°19	14°16	22°15	17°D20	16°17	27°45	2°39	S 29
S 30	12 58 59	16°37'36	2♌36	9°51	8°45	27°48	17°14	22°31	6°20	14°15	22°16	17°21	16°14	27°51	2°42	S 30
M31	13 2 56	17♈36'11	14♌44	9♈12	9♉58	28♒34	17♍ 8	22♐30	6♋22	14♍13	22♑16	17♓22	16♓11	27♍58	2♓45	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s44	27n55	4n52	2n44	1n 2	0n13	1s 5	19s59	1s 4	5n10	1n36	22s 1	1n17	23n46	0n23	7n 5	1n15	24s42	2s59	4s54	4s51	1n34	6s12	5n18
S 2	4 21	25 43	4 18	3 33	1 15	0 44	1 3	19 48	1 4	5 13	1 36	22 1	1 17	23 46	0 23	7 6	1 15	24 42	2 59	4 54	4 52	1 31	6 11	5 18
M 3	3 57	22 21	3 33	4 21	1 28	1 15	1 2	19 37	1 5	5 16	1 36	22 1	1 17	23 46	0 23	7 7	1 15	24 42	3 0	4 54	4 54	1 27	6 10	5 18
T 4	3 34	18 5	2 39	5 6	1 40	1 46	1 0	19 26	1 6	5 19	1 36	22 1	1 17	23 46	0 23	7 7	1 15	24 42	3 0	4 54	4 55	1 24	6 8	5 18
W 5	3 10	13 10	1 38	5 48	1 53	2 17	0 58	19 15	1 6	5 22	1 36	22 1	1 17	23 46	0 23	7 8	1 15	24 42	3 0	4 54	4 56	1 20	6 7	5 18
T 6	2 47	7 48	0 34	6 28	2 4	2 48	0 56	19 3	1 7	5 25	1 36	22 1	1 18	23 46	0 23	7 9	1 15	24 42	3 0	4 53	4 57	1 17	6 6	5 18
F 7	2 23	2 11	0s31	7 5	2 16	3 19	0 54	18 51	1 7	5 28	1 36	22 1	1 18	23 46	0 23	7 9	1 15	24 42	3 0	4 53	4 59	1 14	6 4	5 18
S 8	2 0	3s30	1 35	7 38	2 27	3 50	0 52	18 39	1 8	5 32	1 36	22 1	1 18	23 46	0 23	7 10	1 15	24 42	3 0	4 54	5 0	1 10	6 3	5 18
S 9	1 36	9 5	2 36	8 9	2 37	4 21	0 50	18 27	1 9	5 35	1 36	22 1	1 18	23 46	0 23	7 10	1 15	24 42	3 1	4 54	5 1	1 7	6 2	5 18
M10	1 12	14 22	3 29	8 35	2 46	4 52	0 48	18 15	1 9	5 38	1 36	22 1	1 18	23 46	0 22	7 11	1 15	24 42	3 1	4 54	5 2	1 3	6 0	5 18
T 11	0 49	19 10	4 14	8 58	2 55	5 22	0 46	18 2	1 10	5 41	1 36	22 1	1 18	23 46	0 22	7 12	1 15	24 42	3 1	4 55	5 4	1 0	5 59	5 18
W12	0 25	23 15	4 48	9 18	3 2	5 53	0 44	17 49	1 10	5 44	1 36	22 1	1 18	23 46	0 22	7 12	1 15	24 42	3 1	4 56	5 5	0 56	5 57	5 18
T 13	0 2	26 22	5 10	9 33	3 8	6 23	0 42	17 36	1 11	5 46	1 36	22 1	1 18	23 46	0 22	7 13	1 15	24 42	3 1	4 56	5 6	0 53	5 56	5 18
F 14	0n22	28 15	5 17	9 45	3 13	6 54	0 40	17 23	1 12	5 49	1 36	22 1	1 18	23 46	0 22	7 14	1 15	24 42	3 1	4 56	5 7	0 49	5 55	5 19
S 15	0 46	28 40	5 8	9 52	3 17	7 24	0 37	17 10	1 12	5 52	1 36	22 1	1 18	23 46	0 22	7 14	1 15	24 42	3 2	4 57	5 9	0 46	5 53	5 19
S 16	1 9	27 26	4 43	9 55	3 20	7 54	0 35	16 56	1 13	5 55	1 36	22 1	1 18	23 46	0 22	7 15	1 15	24 42	3 2	4 56	5 10	0 43	5 52	5 19
M17	1 33	24 33	4 1	9 55	3 21	8 23	0 33	16 43	1 13	5 58	1 36	22 1	1 18	23 46	0 22	7 15	1 15	24 42	3 2	4 56	5 11	0 39	5 51	5 19
T 18	1 56	20 7	3 3	9 50	3 20	8 53	0 30	16 29	1 14	6 1	1 36	22 1	1 18	23 46	0 22	7 16	1 15	24 42	3 2	4 56	5 12	0 36	5 49	5 19
W19	2 20	14 22	1 52	9 42	3 18	9 22	0 28	16 15	1 14	6 4	1 36	22 1	1 18	23 46	0 22	7 17	1 15	24 42	3 2	4 55	5 14	0 32	5 48	5 19
T 20	2 43	7 41	0 32	9 29	3 14	9 52	0 25	16 1	1 15	6 6	1 36	22 1	1 18	23 46	0 22	7 17	1 15	24 42	3 2	4 55	5 15	0 29	5 47	5 19
F 21	3 7	0 29	0n51	9 14	3 9	10 21	0 23	15 47	1 15	6 9	1 36	22 1	1 18	23 46	0 22	7 18	1 15	24 42	3 3	4 55	5 16	0 25	5 45	5 19
S 22	3 30	6n47	2 11	8 55	3 2	10 49	0 20	15 32	1 16	6 12	1 36	22 1	1 18	23 46	0 22	7 18	1 15	24 42	3 3	4 55	5 17	0 22	5 44	5 19
S 23	3 53	13 38	3 21	8 32	2 53	11 18	0 18	15 18	1 17	6 14	1 36	22 1	1 19	23 46	0 22	7 19	1 15	24 42	3 3	4 56	5 19	0 18	5 43	5 20
M24	4 16	19 35	4 17	8 8	2 43	11 46	0 15	15 3	1 17	6 17	1 35	22 1	1 19	23 46	0 22	7 19	1 15	24 42	3 3	4 57	5 20	0 15	5 42	5 20
T 25	4 40	24 14	4 54	7 41	2 32	12 14	0 13	14 48	1 18	6 19	1 35	22 1	1 19	23 46	0 22	7 20	1 15	24 43	3 3	4 59	5 21	0 11	5 40	5 20
W26	5 3	27 17	5 12	7 12	2 19	12 41	0 10	14 33	1 18	6 22	1 35	22 1	1 19	23 45	0 22	7 20	1 15	24 43	3 3	5 0	5 22	0 8	5 39	5 20
T 27	5 25	28 37	5 12	6 42	2 6	13 9	0 8	14 18	1 19	6 24	1 35	22 1	1 19	23 45	0 22	7 21	1 15	24 43	3 4	5 1	5 24	0 5	5 38	5 20
F 28	5 48	28 15	4 56	6 11	1 51	13 36	0 5	14 3	1 19	6 26	1 35	22 1	1 19	23 45	0 22	7 22	1 15	24 43	3 4	5 1	5 25	0 1	5 36	5 20
S 29	6 11	26 22	4 25	5 39	1 35	14 2	0 2	13 48	1 20	6 29	1 35	22 1	1 19	23 45	0 22	7 22	1 15	24 43	3 4	5 1	5 26	0s 2	5 35	5 20
S 30	6 34	23 15	3 42	5 8	1 19	14 29	0n 0	13 32	1 20	6 31	1 35	22 1	1 19	23 45	0 22	7 23	1 15	24 43	3 4	5 1	5 27	0 6	5 34	5 21
M31	6n56	19n11	2n50	4n37	1n 3	14n55	0n 3	13s17	1s21	6n33	1n35	22s 0	1n19	23n45	0n22	7n23	1n15	24s43	3s 4	5s 0	5s28	0s 9	5s33	5n21

Julian Day Number = 2189002.5, Delta T = 10m54s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'55, Lahiri = 13°49'55 Julian Calendar 1 March 1281 == Greg. Calendar 8 March 1281

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

APRIL 1281 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 6 52	18♈34'44	26♌41	8°R35	11♉12	29♒20	17°R 2	22°R30	6♋23	14°R12	22♑16	17♓24	16♓ 7	28♍ 4	2♓48	T 1
W 2	13 10 49	19°33'15	8♍31	8♈ 2	12°25	0♓ 6	16♍57	22♐29	6°24	14♍11	22°17	17°25	16° 4	28°11	2°51	W 2
T 3	13 14 45	20°31'43	20°18	7°33	13°38	0°52	16°51	22°28	6°26	14° 9	22°17	17°R26	16° 1	28°18	2°54	T 3
F 4	13 18 42	21°30'10	2♎ 5	7° 9	14°51	1°38	16°46	22°27	6°27	14° 8	22°18	17°25	15°58	28°24	2°57	F 4
S 5	13 22 38	22°28'35	13°56	6°49	16° 5	2°24	16°41	22°26	6°29	14° 7	22°18	17°22	15°55	28°31	3° 0	S 5
S 6	13 26 35	23°26'57	25°52	6°33	17°18	3°10	16°36	22°25	6°30	14° 6	22°18	17°17	15°52	28°38	3° 2	S 6
M 7	13 30 32	24°25'18	7♏55	6°23	18°31	3°56	16°31	22°24	6°32	14° 5	22°18	17°11	15°48	28°44	3° 5	M 7
T 8	13 34 28	25°23'37	20° 7	6°17	19°44	4°42	16°26	22°22	6°33	14° 3	22°19	17° 5	15°45	28°51	3° 8	T 8
W 9	13 38 25	26°21'55	2♐29	6°D17	20°57	5°28	16°21	22°21	6°35	14° 2	22°19	16°58	15°42	28°58	3°11	W 9
T 10	13 42 21	27°20'10	15° 2	6°21	22°10	6°13	16°17	22°19	6°37	14° 1	22°19	16°51	15°39	29° 4	3°13	T 10
F 11	13 46 18	28°18'25	27°49	6°31	23°23	6°59	16°13	22°18	6°39	14° 0	22°19	16°46	15°36	29°11	3°16	F 11
S 12	13 50 14	29°16'37	10♑51	6°45	24°36	7°45	16° 9	22°16	6°40	13°59	22°19	16°43	15°32	29°18	3°19	S 12
S 13	13 54 11	0♉14'49	24°10	7° 4	25°49	8°31	16° 5	22°14	6°42	13°58	22°19	16°41	15°29	29°24	3°21	S 13
M14	13 58 7	1°12'58	7♒47	7°27	27° 2	9°17	16° 1	22°12	6°44	13°57	22°19	16°D41	15°26	29°31	3°24	M14
T 15	14 2 4	2°11'06	21°44	7°54	28°14	10° 3	15°57	22°10	6°46	13°56	22°20	16°42	15°23	29°38	3°26	T 15
W16	14 6 1	3° 9'13	6♓ 1	8°26	29°27	10°48	15°54	22° 8	6°48	13°55	22°R20	16°43	15°20	29°44	3°28	W16
T 17	14 9 57	4° 7'18	20°37	9° 2	0♊40	11°34	15°50	22° 6	6°50	13°54	22°20	16°R44	15°17	29°51	3°31	T 17
F 18	14 13 54	5° 5'22	5♈27	9°41	1°53	12°20	15°47	22° 4	6°52	13°53	22°19	16°42	15°13	29°58	3°33	F 18
S 19	14 17 50	6° 3'24	20°25	10°24	3° 5	13° 6	15°44	22° 2	6°55	13°52	22°19	16°39	15°10	0♎ 4	3°35	S 19
S 20	14 21 47	7° 1'25	5♉24	11°11	4°18	13°51	15°42	21°59	6°57	13°51	22°19	16°33	15° 7	0°11	3°38	S 20
M21	14 25 43	7°59'24	20°14	12° 2	5°30	14°37	15°39	21°57	6°59	13°50	22°19	16°26	15° 4	0°17	3°40	M21
T 22	14 29 40	8°57'22	4♊47	12°55	6°43	15°23	15°37	21°54	7° 1	13°50	22°19	16°17	15° 1	0°24	3°42	T 22
W23	14 33 36	9°55'18	18°56	13°52	7°55	16° 8	15°34	21°52	7° 4	13°49	22°19	16° 9	14°58	0°31	3°44	W23
T 24	14 37 33	10°53'12	2♋39	14°52	9° 8	16°54	15°32	21°49	7° 6	13°48	22°19	16° 2	14°54	0°37	3°46	T 24
F 25	14 41 30	11°51'05	15°53	15°55	10°20	17°39	15°30	21°46	7° 8	13°47	22°18	15°57	14°51	0°44	3°48	F 25
S 26	14 45 26	12°48'55	28°42	17° 0	11°33	18°25	15°29	21°43	7°11	13°47	22°18	15°54	14°48	0°51	3°50	S 26
S 27	14 49 23	13°46'44	11♌ 8	18° 9	12°45	19°10	15°27	21°40	7°13	13°46	22°18	15°D53	14°45	0°57	3°52	S 27
M28	14 53 19	14°44'31	23°17	19°20	13°57	19°56	15°26	21°37	7°16	13°45	22°17	15°53	14°42	1° 4	3°54	M28
T 29	14 57 16	15°42'17	5♍13	20°34	15° 9	20°41	15°25	21°34	7°18	13°45	22°17	15°54	14°38	1°11	3°55	T 29
W30	15 1 12	16♉40'00	17♍ 2	21♈51	16♊21	21♓26	15♍24	21♐31	7♋21	13♍44	22♑17	15°R55	14♓35	1♎17	3♓57	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n19	14n25	1n51	4n 8	0n46	15n20	0n 6	13s 1	1s21	6n35	1n35	22s 0	1n19	23n45	0n22	7n24	1n15	24s43	3s 4	5s 0	5s30	0s13	5s31	5n21
W 2	7 41	9 10	0 49	3 39	0 30	15 46	0 8	12 45	1 21	6 37	1 34	22 0	1 19	23 45	0 22	7 24	1 15	24 43	3 5	4 59	5 31	0 16	5 30	5 21
T 3	8 3	3 37	0s16	3 13	0 13	16 10	0 11	12 29	1 22	6 39	1 34	22 0	1 19	23 45	0 22	7 25	1 15	24 43	3 5	4 59	5 32	0 20	5 29	5 21
F 4	8 25	2s 3	1 19	2 48	0s 3	16 35	0 14	12 13	1 22	6 41	1 34	22 0	1 19	23 45	0 22	7 25	1 15	24 43	3 5	5 0	5 33	0 23	5 28	5 22
S 5	8 47	7 40	2 20	2 25	0 19	16 59	0 17	11 57	1 23	6 43	1 34	22 0	1 19	23 45	0 22	7 25	1 15	24 44	3 5	5 1	5 35	0 26	5 27	5 22
S 6	9 9	13 3	3 14	2 5	0 35	17 22	0 19	11 41	1 23	6 45	1 34	22 0	1 19	23 45	0 22	7 26	1 15	24 44	3 5	5 2	5 36	0 30	5 25	5 22
M 7	9 30	18 0	4 1	1 47	0 50	17 46	0 22	11 24	1 24	6 47	1 34	22 0	1 19	23 45	0 22	7 26	1 15	24 44	3 6	5 5	5 37	0 33	5 24	5 22
T 8	9 52	22 17	4 37	1 32	1 4	18 8	0 25	11 8	1 24	6 48	1 33	22 0	1 19	23 44	0 22	7 27	1 15	24 44	3 6	5 7	5 38	0 37	5 23	5 22
W 9	10 13	25 38	5 0	1 19	1 18	18 30	0 27	10 51	1 25	6 50	1 33	21 59	1 19	23 44	0 22	7 27	1 15	24 44	3 6	5 10	5 40	0 40	5 22	5 22
T 10	10 34	27 49	5 10	1 9	1 31	18 52	0 30	10 35	1 25	6 52	1 33	21 59	1 19	23 44	0 22	7 28	1 15	24 44	3 6	5 13	5 41	0 44	5 21	5 23
F 11	10 55	28 35	5 4	1 1	1 43	19 13	0 33	10 18	1 25	6 53	1 33	21 59	1 20	23 44	0 22	7 28	1 15	24 44	3 6	5 15	5 42	0 47	5 20	5 23
S 12	11 16	27 47	4 43	0 57	1 54	19 34	0 36	10 1	1 26	6 55	1 33	21 59	1 20	23 44	0 22	7 28	1 15	24 45	3 6	5 16	5 43	0 51	5 19	5 23
S 13	11 36	25 24	4 6	0 54	2 5	19 55	0 38	9 44	1 26	6 56	1 32	21 59	1 20	23 44	0 22	7 29	1 15	24 45	3 7	5 17	5 45	0 54	5 17	5 23
M14	11 57	21 32	3 15	0 55	2 14	20 14	0 41	9 27	1 27	6 57	1 32	21 59	1 20	23 44	0 22	7 29	1 15	24 45	3 7	5 17	5 46	0 57	5 16	5 24
T 15	12 17	16 23	2 11	0 57	2 23	20 33	0 44	9 10	1 27	6 59	1 32	21 59	1 20	23 44	0 22	7 30	1 15	24 45	3 7	5 16	5 47	1 1	5 15	5 24
W16	12 37	10 14	0 58	1 3	2 31	20 52	0 46	8 53	1 27	7 0	1 32	21 58	1 20	23 44	0 22	7 30	1 15	24 45	3 7	5 16	5 48	1 4	5 14	5 24
T 17	12 57	3 25	0n21	1 10	2 38	21 10	0 49	8 36	1 28	7 1	1 32	21 58	1 20	23 44	0 22	7 30	1 15	24 45	3 7	5 16	5 49	1 8	5 13	5 24
F 18	13 16	3n42	1 39	1 20	2 45	21 28	0 52	8 19	1 28	7 2	1 31	21 58	1 20	23 43	0 22	7 31	1 15	24 46	3 7	5 16	5 51	1 11	5 12	5 24
S 19	13 36	10 39	2 51	1 31	2 50	21 45	0 54	8 2	1 28	7 3	1 31	21 58	1 20	23 43	0 22	7 31	1 15	24 46	3 8	5 18	5 52	1 15	5 11	5 25
S 20	13 55	17 1	3 52	1 45	2 55	22 1	0 57	7 44	1 29	7 4	1 31	21 58	1 20	23 43	0 22	7 31	1 15	24 46	3 8	5 20	5 53	1 18	5 10	5 25
M21	14 14	22 18	4 35	2 1	2 59	22 17	0 59	7 27	1 29	7 4	1 31	21 58	1 20	23 43	0 22	7 32	1 15	24 46	3 8	5 23	5 54	1 21	5 9	5 25
T 22	14 32	26 6	5 0	2 19	3 3	22 32	1 2	7 9	1 29	7 5	1 31	21 57	1 20	23 43	0 22	7 32	1 14	24 46	3 8	5 26	5 56	1 25	5 8	5 25
W23	14 51	28 9	5 6	2 39	3 5	22 47	1 4	6 52	1 30	7 6	1 30	21 57	1 20	23 43	0 22	7 32	1 14	24 47	3 8	5 29	5 57	1 28	5 7	5 26
T 24	15 9	28 24	4 54	3 0	3 7	23 0	1 7	6 34	1 30	7 6	1 30	21 57	1 20	23 43	0 22	7 32	1 14	24 47	3 9	5 32	5 58	1 32	5 6	5 26
F 25	15 27	26 59	4 26	3 23	3 8	23 14	1 9	6 17	1 30	7 7	1 30	21 57	1 20	23 42	0 22	7 33	1 14	24 47	3 9	5 34	5 59	1 35	5 5	5 26
S 26	15 45	24 11	3 46	3 48	3 9	23 26	1 12	5 59	1 30	7 7	1 30	21 57	1 20	23 42	0 22	7 33	1 14	24 47	3 9	5 35	6 1	1 39	5 4	5 26
S 27	16 2	20 19	2 55	4 15	3 8	23 38	1 14	5 42	1 31	7 8	1 30	21 57	1 20	23 42	0 22	7 33	1 14	24 47	3 9	5 35	6 2	1 42	5 3	5 27
M28	16 19	15 41	1 58	4 42	3 8	23 50	1 16	5 24	1 31	7 8	1 29	21 56	1 20	23 42	0 22	7 33	1 14	24 48	3 9	5 35	6 3	1 46	5 3	5 27
T 29	16 36	10 31	0 57	5 12	3 6	24 0	1 19	5 6	1 31	7 8	1 29	21 56	1 20	23 42	0 22	7 34	1 14	24 48	3 9	5 35	6 4	1 49	5 2	5 27
W30	16n53	5n 3	0s 6	5n42	3s 4	24n10	1n21	4s49	1s31	7n 9	1n29	21s56	1n20	23n42	0n22	7n34	1n14	24s48	3s10	5s35	6s 5	1s52	5s 1	5n27

Julian Day Number = 2189033.5, Delta T = 10m54s
Ecliptic obliquity = 23°32'07, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°42'59, Lahiri = 13°50'00 Julian Calendar 1 Apr. 1281 == Greg. Calendar 8 Apr. 1281

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

MAY 1281 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 5 9	17♉37'42	28♍49	23♈10	17♊33	22♓12	15°R23	21°R28	7♋23	13°R44	22°R16	15°R54	14♓32	1♎24	3♓59	T 1
F 2	15 9 5	18°35'23	10♎38	24°31	18°45	22°57	15♍22	21♐25	7°26	13♍43	22♑16	15♓51	14°29	1°31	4° 0	F 2
S 3	15 13 2	19°33'02	22°33	25°55	19°57	23°42	15°22	21°21	7°29	13°43	22°15	15°45	14°26	1°37	4° 2	S 3
S 4	15 16 59	20°30'39	4♏37	27°22	21° 9	24°27	15°22	21°18	7°31	13°42	22°15	15°37	14°23	1°44	4° 3	S 4
M 5	15 20 55	21°28'15	16°52	28°51	22°21	25°12	15°D22	21°14	7°34	13°42	22°14	15°27	14°19	1°51	4° 5	M 5
T 6	15 24 52	22°25'50	29°18	0♉22	23°33	25°58	15°22	21°11	7°37	13°42	22°14	15°16	14°16	1°57	4° 6	T 6
W 7	15 28 48	23°23'24	11♐57	1°55	24°45	26°43	15°22	21° 7	7°40	13°41	22°13	15° 4	14°13	2° 4	4° 8	W 7
T 8	15 32 45	24°20'57	24°48	3°31	25°56	27°28	15°23	21° 4	7°43	13°41	22°13	14°53	14°10	2°11	4° 9	T 8
F 9	15 36 41	25°18'29	7♑52	5°10	27° 8	28°13	15°23	21° 0	7°46	13°41	22°12	14°44	14° 7	2°17	4°10	F 9
S 10	15 40 38	26°16'00	21° 7	6°50	28°20	28°58	15°24	20°56	7°48	13°40	22°12	14°37	14° 4	2°24	4°11	S 10
S 11	15 44 35	27°13'29	4♒34	8°34	29°31	29°43	15°25	20°52	7°51	13°40	22°11	14°33	14° 0	2°30	4°13	S 11
M12	15 48 31	28°10'58	18°13	10°19	0♋43	0♈27	15°26	20°48	7°54	13°40	22°10	14°31	13°57	2°37	4°14	M12
T 13	15 52 28	29° 8'27	2♓ 6	12° 7	1°54	1°12	15°28	20°45	7°57	13°40	22°10	14°D31	13°54	2°44	4°15	T 13
W14	15 56 24	0♊ 5'54	16°12	13°57	3° 5	1°57	15°29	20°41	8° 0	13°40	22° 9	14°R31	13°51	2°50	4°16	W14
T 15	16 0 21	1° 3'21	0♈30	15°49	4°17	2°42	15°31	20°37	8° 3	13°39	22° 8	14°30	13°48	2°57	4°17	T 15
F 16	16 4 17	2° 0'47	15° 0	17°43	5°28	3°26	15°33	20°33	8° 7	13°39	22° 7	14°28	13°44	3° 4	4°18	F 16
S 17	16 8 14	2°58'12	29°36	19°40	6°39	4°11	15°35	20°28	8°10	13°39	22° 6	14°22	13°41	3°10	4°18	S 17
S 18	16 12 10	3°55'37	14♉13	21°39	7°50	4°56	15°37	20°24	8°13	13°D39	22° 6	14°14	13°38	3°17	4°19	S 18
M19	16 16 7	4°53'01	28°46	23°40	9° 1	5°40	15°40	20°20	8°16	13°39	22° 5	14° 4	13°35	3°24	4°20	M19
T 20	16 20 4	5°50'24	13♊ 5	25°43	10°12	6°25	15°42	20°16	8°19	13°39	22° 4	13°53	13°32	3°30	4°20	T 20
W21	16 24 0	6°47'46	27° 6	27°47	11°23	7° 9	15°45	20°12	8°22	13°40	22° 3	13°41	13°29	3°37	4°21	W21
T 22	16 27 57	7°45'07	10♋44	29°54	12°34	7°53	15°48	20° 8	8°26	13°40	22° 2	13°31	13°25	3°44	4°22	T 22
F 23	16 31 53	8°42'28	23°57	2♊ 2	13°45	8°38	15°51	20° 3	8°29	13°40	22° 1	13°23	13°22	3°50	4°22	F 23
S 24	16 35 50	9°39'47	6♌46	4°11	14°56	9°22	15°55	19°59	8°32	13°40	22° 0	13°18	13°19	3°57	4°22	S 24
S 25	16 39 46	10°37'06	19°13	6°21	16° 6	10° 6	15°58	19°55	8°35	13°40	21°59	13°14	13°16	4° 4	4°23	S 25
M26	16 43 43	11°34'23	1♍23	8°32	17°17	10°50	16° 2	19°50	8°39	13°41	21°58	13°13	13°13	4°10	4°23	M26
T 27	16 47 39	12°31'40	13°20	10°43	18°27	11°34	16° 5	19°46	8°42	13°41	21°57	13°13	13°10	4°17	4°23	T 27
W28	16 51 36	13°28'55	25°10	12°55	19°38	12°18	16° 9	19°42	8°45	13°41	21°56	13°13	13° 6	4°24	4°24	W28
T 29	16 55 33	14°26'10	6♎59	15° 7	20°48	13° 2	16°13	19°37	8°49	13°41	21°55	13°12	13° 3	4°30	4°24	T 29
F 30	16 59 29	15°23'24	18°51	17°18	21°59	13°46	16°18	19°33	8°52	13°42	21°54	13° 8	13° 0	4°37	4°24	F 30
S 31	17 3 26	16♊20'38	0♏51	19♊29	23♋ 9	14♈29	16♍22	19♐29	8♋56	13♍42	21♑53	13♓ 3	12♓57	4♎44	4°R24	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 9	0s34	1s 9	6n14	3s 1	24n20	1n23	4s31	1s32	7n 9	1n29	21s56	1n20	23n42	0n22	7n34	1n14	24s48	3s10	5s35	6s 7	1s56	5s 0	5n28
F 2	17 26	6 11	2 8	6 47	2 58	24 28	1 25	4 13	1 32	7 9	1 28	21 55	1 20	23 41	0 22	7 34	1 14	24 49	3 10	5 36	6 8	1 59	4 59	5 28
S 3	17 41	11 38	3 2	7 21	2 54	24 36	1 27	3 55	1 32	7 9	1 28	21 55	1 20	23 41	0 22	7 34	1 14	24 49	3 10	5 38	6 9	2 3	4 58	5 28
S 4	17 57	16 42	3 49	7 57	2 49	24 43	1 29	3 37	1 32	7 8	1 28	21 55	1 20	23 41	0 22	7 34	1 14	24 49	3 10	5 41	6 10	2 6	4 58	5 28
M 5	18 12	21 11	4 26	8 33	2 44	24 50	1 31	3 20	1 33	7 8	1 28	21 55	1 20	23 41	0 22	7 34	1 14	24 49	3 10	5 45	6 12	2 10	4 57	5 29
T 6	18 27	24 49	4 51	9 11	2 38	24 56	1 33	3 2	1 33	7 8	1 27	21 55	1 20	23 41	0 22	7 35	1 14	24 50	3 11	5 50	6 13	2 13	4 56	5 29
W 7	18 42	27 18	5 2	9 49	2 32	25 1	1 35	2 44	1 33	7 8	1 27	21 54	1 20	23 41	0 22	7 35	1 14	24 50	3 11	5 54	6 14	2 16	4 55	5 29
T 8	18 56	28 23	4 58	10 28	2 25	25 5	1 37	2 26	1 33	7 7	1 27	21 54	1 20	23 40	0 22	7 35	1 14	24 50	3 11	5 59	6 15	2 20	4 55	5 29
F 9	19 10	27 56	4 38	11 8	2 18	25 9	1 39	2 8	1 33	7 7	1 27	21 54	1 20	23 40	0 22	7 35	1 14	24 50	3 11	6 2	6 17	2 23	4 54	5 30
S 10	19 24	25 53	4 4	11 48	2 10	25 12	1 41	1 51	1 33	7 6	1 26	21 54	1 20	23 40	0 22	7 35	1 14	24 51	3 11	6 5	6 18	2 27	4 53	5 30
S 11	19 37	22 21	3 15	12 29	2 2	25 14	1 42	1 33	1 34	7 6	1 26	21 53	1 20	23 40	0 22	7 35	1 14	24 51	3 11	6 6	6 19	2 30	4 53	5 30
M12	19 50	17 34	2 15	13 11	1 53	25 16	1 44	1 15	1 34	7 5	1 26	21 53	1 20	23 40	0 22	7 35	1 14	24 51	3 12	6 7	6 20	2 34	4 52	5 30
T 13	20 3	11 47	1 5	13 53	1 44	25 17	1 45	0 57	1 34	7 4	1 26	21 53	1 20	23 40	0 22	7 35	1 14	24 51	3 12	6 7	6 21	2 37	4 51	5 31
W14	20 15	5 20	0n 9	14 35	1 35	25 17	1 47	0 39	1 34	7 3	1 26	21 53	1 20	23 39	0 22	7 35	1 14	24 52	3 12	6 7	6 23	2 40	4 51	5 31
T 15	20 27	1n29	1 24	15 17	1 25	25 16	1 48	0 22	1 34	7 2	1 25	21 52	1 20	23 39	0 22	7 35	1 14	24 52	3 12	6 7	6 24	2 44	4 50	5 31
F 16	20 39	8 18	2 34	15 59	1 15	25 15	1 49	0 4	1 34	7 1	1 25	21 52	1 20	23 39	0 22	7 35	1 14	24 52	3 12	6 8	6 25	2 47	4 49	5 32
S 17	20 50	14 43	3 35	16 41	1 5	25 13	1 51	0n14	1 34	7 0	1 25	21 52	1 20	23 39	0 22	7 35	1 14	24 53	3 12	6 10	6 26	2 51	4 49	5 32
S 18	21 1	20 19	4 21	17 23	0 54	25 10	1 52	0 31	1 34	6 59	1 25	21 52	1 20	23 39	0 22	7 35	1 14	24 53	3 13	6 14	6 28	2 54	4 48	5 32
M19	21 12	24 41	4 50	18 4	0 43	25 6	1 53	0 49	1 34	6 58	1 24	21 51	1 20	23 38	0 22	7 35	1 14	24 53	3 13	6 18	6 29	2 57	4 48	5 32
T 20	21 22	27 26	5 1	18 44	0 33	25 2	1 54	1 7	1 34	6 57	1 24	21 51	1 20	23 38	0 22	7 35	1 14	24 53	3 13	6 22	6 30	3 1	4 47	5 33
W21	21 32	28 23	4 53	19 24	0 22	24 57	1 55	1 24	1 34	6 56	1 24	21 51	1 20	23 38	0 22	7 35	1 14	24 54	3 13	6 26	6 31	3 4	4 47	5 33
T 22	21 41	27 33	4 28	20 2	0 11	24 52	1 56	1 42	1 34	6 54	1 24	21 51	1 20	23 38	0 22	7 35	1 14	24 54	3 13	6 30	6 32	3 8	4 46	5 33
F 23	21 51	25 10	3 49	20 39	0n 0	24 45	1 57	1 59	1 34	6 53	1 23	21 50	1 20	23 38	0 22	7 35	1 14	24 54	3 13	6 33	6 34	3 11	4 46	5 34
S 24	21 59	21 34	3 0	21 15	0 11	24 38	1 57	2 17	1 34	6 51	1 23	21 50	1 20	23 37	0 22	7 35	1 14	24 55	3 13	6 36	6 35	3 15	4 46	5 34
S 25	22 8	17 4	2 3	21 48	0 21	24 31	1 58	2 34	1 34	6 50	1 23	21 50	1 19	23 37	0 22	7 35	1 13	24 55	3 14	6 37	6 36	3 18	4 45	5 34
M26	22 16	12 0	1 2	22 20	0 31	24 22	1 59	2 51	1 34	6 48	1 23	21 49	1 19	23 37	0 22	7 34	1 13	24 55	3 14	6 37	6 37	3 21	4 45	5 34
T 27	22 23	6 34	0s 1	22 49	0 41	24 13	1 59	3 9	1 34	6 46	1 22	21 49	1 19	23 37	0 22	7 34	1 13	24 56	3 14	6 37	6 39	3 25	4 45	5 35
W28	22 31	0 58	1 3	23 17	0 51	24 4	1 59	3 26	1 34	6 45	1 22	21 49	1 19	23 36	0 22	7 34	1 13	24 56	3 14	6 37	6 40	3 28	4 44	5 35
T 29	22 37	4s39	2 2	23 41	1 0	23 53	2 0	3 43	1 34	6 43	1 22	21 49	1 19	23 36	0 22	7 34	1 13	24 56	3 14	6 38	6 41	3 32	4 44	5 35
F 30	22 44	10 8	2 57	24 3	1 8	23 42	2 0	4 0	1 34	6 41	1 22	21 48	1 19	23 36	0 22	7 34	1 13	24 56	3 14	6 39	6 42	3 35	4 44	5 36
S 31	22n50	15s18	3s44	24n23	1n16	23n31	2n 0	4n17	1s34	6n39	1n22	21s48	1n19	23n36	0n22	7n34	1n13	24s57	3s14	6s41	6s43	3s38	4s43	5n36

Julian Day Number = 2189063.5, Delta T = 10m54s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'03, Lahiri = 13°50'04 Julian Calendar 1 May 1281 == Greg. Calendar 8 May 1281

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

JUNE 1281 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 7 22	17♊17'50	13♏ 2	21♊40	24♋19	15♈13	16♍27	19°R24	8♋59	13♍43	21°R52	12°R54	12♓54	4♎50	4°R24	S 1
M 2	17 11 19	18°15'02	25°28	23°49	25°29	15°57	16°31	19♐20	9° 3	13°43	21♑51	12♓43	12°50	4°57	4♓24	M 2
T 3	17 15 15	19°12'14	8♐10	25°57	26°39	16°40	16°36	19°15	9° 6	13°44	21°50	12°31	12°47	5° 4	4°23	T 3
W 4	17 19 12	20° 9'25	21° 7	28° 3	27°49	17°24	16°41	19°11	9°10	13°44	21°49	12°19	12°44	5°10	4°23	W 4
T 5	17 23 8	21° 6'36	4♑19	0♋ 8	28°59	18° 7	16°47	19° 7	9°13	13°45	21°47	12° 7	12°41	5°17	4°23	T 5
F 6	17 27 5	22° 3'47	17°44	2°12	0♌ 8	18°51	16°52	19° 2	9°17	13°45	21°46	11°57	12°38	5°24	4°23	F 6
S 7	17 31 2	23° 0'57	1♒21	4°13	1°18	19°34	16°57	18°58	9°20	13°46	21°45	11°49	12°35	5°30	4°22	S 7
S 8	17 34 58	23°58'08	15° 6	6°13	2°27	20°17	17° 3	18°53	9°24	13°47	21°44	11°45	12°31	5°37	4°22	S 8
M 9	17 38 55	24°55'18	28°59	8°11	3°37	21° 0	17° 9	18°49	9°27	13°47	21°43	11°43	12°28	5°44	4°21	M 9
T 10	17 42 51	25°52'28	12♓58	10° 6	4°46	21°43	17°15	18°45	9°31	13°48	21°41	11°D42	12°25	5°50	4°21	T 10
W11	17 46 48	26°49'39	27° 3	12° 0	5°55	22°26	17°21	18°40	9°34	13°49	21°40	11°R42	12°22	5°57	4°20	W11
T 12	17 50 44	27°46'49	11♈12	13°52	7° 5	23° 9	17°27	18°36	9°38	13°50	21°39	11°42	12°19	6° 3	4°20	T 12
F 13	17 54 41	28°44'00	25°25	15°41	8°14	23°52	17°33	18°32	9°41	13°51	21°38	11°39	12°16	6°10	4°19	F 13
S 14	17 58 37	29°41'11	9♉40	17°29	9°23	24°35	17°40	18°27	9°45	13°51	21°36	11°35	12°12	6°17	4°18	S 14
S 15	18 2 34	0♋38'23	23°52	19°14	10°31	25°17	17°46	18°23	9°49	13°52	21°35	11°27	12° 9	6°23	4°17	S 15
M16	18 6 31	1°35'34	7♊59	20°57	11°40	26° 0	17°53	18°19	9°52	13°53	21°34	11°18	12° 6	6°30	4°16	M16
T 17	18 10 27	2°32'46	21°55	22°39	12°49	26°42	18° 0	18°15	9°56	13°54	21°32	11° 7	12° 3	6°37	4°15	T 17
W18	18 14 24	3°29'58	5♋37	24°18	13°57	27°25	18° 7	18°10	10° 0	13°55	21°31	10°57	12° 0	6°43	4°14	W18
T 19	18 18 20	4°27'10	18°59	25°55	15° 6	28° 7	18°14	18° 6	10° 3	13°56	21°30	10°47	11°56	6°50	4°13	T 19
F 20	18 22 17	5°24'22	2♌ 2	27°30	16°14	28°49	18°21	18° 2	10° 7	13°57	21°28	10°39	11°53	6°57	4°12	F 20
S 21	18 26 13	6°21'34	14°45	29° 2	17°22	29°31	18°29	17°58	10°10	13°58	21°27	10°34	11°50	7° 3	4°11	S 21
S 22	18 30 10	7°18'46	27° 9	0♌33	18°30	0♉13	18°36	17°54	10°14	13°59	21°26	10°31	11°47	7°10	4°10	S 22
M23	18 34 7	8°15'58	9♍18	2° 2	19°38	0°55	18°44	17°50	10°18	14° 0	21°24	10°D30	11°44	7°17	4° 9	M23
T 24	18 38 3	9°13'10	21°15	3°28	20°46	1°37	18°52	17°46	10°21	14° 2	21°23	10°31	11°41	7°23	4° 7	T 24
W25	18 42 0	10°10'22	3♎ 6	4°52	21°54	2°19	19° 0	17°42	10°25	14° 3	21°22	10°31	11°37	7°30	4° 6	W25
T 26	18 45 56	11° 7'34	14°55	6°14	23° 2	3° 0	19° 8	17°38	10°29	14° 4	21°20	10°R31	11°34	7°37	4° 5	T 26
F 27	18 49 53	12° 4'47	26°49	7°33	24° 9	3°42	19°16	17°34	10°32	14° 5	21°19	10°30	11°31	7°43	4° 3	F 27
S 28	18 53 49	13° 1'59	8♏51	8°51	25°16	4°23	19°24	17°31	10°36	14° 6	21°17	10°27	11°28	7°50	4° 2	S 28
S 29	18 57 46	13°59'12	21° 7	10° 6	26°24	5° 4	19°32	17°27	10°40	14° 8	21°16	10°22	11°25	7°57	4° 0	S 29
M30	19 1 42	14♋56'25	3♐40	11♌18	27♌31	5♉45	19♍41	17♐23	10♋43	14♍ 9	21♑15	10♓14	11♓22	8♎ 3	3♓59	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n56	19s57	4s21	24n39	1n23	23n19	2n 0	4n34	1s34	6n37	1n21	21s48	1n19	23n36	0n22	7n33	1n13	24s57	3s15	6s45	6s45	3s42	4s43	5n36
M 2	23 1	23 51	4 47	24 53	1 30	23 6	2 0	4 51	1 34	6 35	1 21	21 48	1 19	23 35	0 22	7 33	1 13	24 57	3 15	6 49	6 46	3 45	4 43	5 36
T 3	23 6	26 41	5 0	25 4	1 36	22 52	2 0	5 8	1 34	6 33	1 21	21 47	1 19	23 35	0 22	7 33	1 13	24 58	3 15	6 53	6 47	3 49	4 43	5 37
W 4	23 10	28 10	4 57	25 12	1 41	22 38	2 0	5 25	1 34	6 31	1 21	21 47	1 19	23 35	0 22	7 33	1 13	24 58	3 15	6 58	6 48	3 52	4 43	5 37
T 5	23 14	28 6	4 39	25 17	1 45	22 23	1 59	5 41	1 34	6 29	1 20	21 47	1 19	23 35	0 22	7 32	1 13	24 58	3 15	7 3	6 50	3 55	4 42	5 37
F 6	23 18	26 24	4 5	25 20	1 49	22 8	1 59	5 58	1 34	6 26	1 20	21 46	1 19	23 34	0 22	7 32	1 13	24 59	3 15	7 6	6 51	3 59	4 42	5 37
S 7	23 21	23 8	3 16	25 20	1 52	21 52	1 58	6 14	1 34	6 24	1 20	21 46	1 19	23 34	0 22	7 32	1 13	24 59	3 15	7 9	6 52	4 2	4 42	5 38
S 8	23 24	18 32	2 16	25 17	1 54	21 36	1 58	6 31	1 33	6 21	1 20	21 46	1 18	23 34	0 22	7 32	1 13	24 59	3 16	7 11	6 53	4 6	4 42	5 38
M 9	23 26	12 55	1 7	25 12	1 56	21 19	1 57	6 47	1 33	6 19	1 20	21 46	1 18	23 34	0 22	7 31	1 13	25 0	3 16	7 12	6 54	4 9	4 42	5 38
T 10	23 28	6 37	0n 7	25 5	1 56	21 1	1 56	7 4	1 33	6 17	1 19	21 45	1 18	23 33	0 22	7 31	1 13	25 0	3 16	7 12	6 56	4 12	4 42	5 39
W11	23 30	0n 3	1 20	24 55	1 56	20 43	1 55	7 20	1 33	6 14	1 19	21 45	1 18	23 33	0 22	7 31	1 13	25 0	3 16	7 12	6 57	4 16	4 42	5 39
T 12	23 31	6 44	2 30	24 44	1 56	20 25	1 54	7 36	1 33	6 11	1 19	21 45	1 18	23 33	0 22	7 30	1 13	25 1	3 16	7 12	6 58	4 19	4 42	5 39
F 13	23 32	13 7	3 30	24 30	1 55	20 6	1 53	7 52	1 32	6 9	1 19	21 45	1 18	23 33	0 22	7 30	1 13	25 1	3 16	7 13	6 59	4 23	4 42	5 39
S 14	23 32	18 49	4 17	24 15	1 53	19 46	1 52	8 8	1 32	6 6	1 19	21 44	1 18	23 32	0 22	7 30	1 13	25 1	3 16	7 15	7 1	4 26	4 42	5 40
S 15	23 32	23 28	4 48	23 58	1 50	19 26	1 50	8 24	1 32	6 3	1 18	21 44	1 18	23 32	0 22	7 29	1 13	25 2	3 16	7 18	7 2	4 29	4 42	5 40
M16	23 32	26 41	5 2	23 39	1 47	19 6	1 49	8 39	1 32	6 0	1 18	21 44	1 18	23 32	0 22	7 29	1 13	25 2	3 17	7 21	7 3	4 33	4 42	5 40
T 17	23 31	28 14	4 57	23 19	1 43	18 45	1 47	8 55	1 32	5 57	1 18	21 43	1 18	23 32	0 22	7 28	1 13	25 2	3 17	7 25	7 4	4 36	4 42	5 40
W18	23 29	28 0	4 35	22 58	1 39	18 23	1 46	9 10	1 31	5 55	1 18	21 43	1 17	23 31	0 22	7 28	1 13	25 3	3 17	7 29	7 5	4 40	4 42	5 41
T 19	23 28	26 7	3 58	22 35	1 34	18 2	1 44	9 26	1 31	5 52	1 18	21 43	1 17	23 31	0 22	7 28	1 13	25 3	3 17	7 33	7 7	4 43	4 42	5 41
F 20	23 25	22 52	3 10	22 11	1 29	17 39	1 42	9 41	1 31	5 48	1 17	21 43	1 17	23 31	0 22	7 27	1 13	25 3	3 17	7 36	7 8	4 46	4 43	5 41
S 21	23 23	18 35	2 13	21 47	1 23	17 17	1 40	9 56	1 30	5 45	1 17	21 42	1 17	23 30	0 22	7 27	1 13	25 4	3 17	7 38	7 9	4 50	4 43	5 41
S 22	23 20	13 37	1 11	21 21	1 16	16 54	1 38	10 11	1 30	5 42	1 17	21 42	1 17	23 30	0 22	7 26	1 13	25 4	3 17	7 39	7 10	4 53	4 43	5 42
M23	23 17	8 13	0 6	20 55	1 9	16 30	1 36	10 26	1 30	5 39	1 17	21 42	1 17	23 30	0 22	7 26	1 13	25 4	3 17	7 40	7 11	4 56	4 43	5 42
T 24	23 13	2 36	0s57	20 27	1 2	16 6	1 34	10 41	1 29	5 36	1 17	21 42	1 17	23 30	0 22	7 25	1 13	25 5	3 17	7 39	7 13	5 0	4 43	5 42
W25	23 9	3s 2	1 58	20 0	0 54	15 42	1 31	10 56	1 29	5 33	1 16	21 42	1 17	23 29	0 22	7 25	1 13	25 5	3 18	7 39	7 14	5 3	4 44	5 42
T 26	23 4	8 34	2 53	19 31	0 45	15 17	1 29	11 10	1 29	5 29	1 16	21 41	1 16	23 29	0 22	7 24	1 13	25 5	3 18	7 39	7 15	5 7	4 44	5 42
F 27	22 59	13 49	3 42	19 3	0 37	14 53	1 26	11 25	1 28	5 26	1 16	21 41	1 16	23 29	0 22	7 24	1 12	25 6	3 18	7 40	7 16	5 10	4 44	5 43
S 28	22 54	18 37	4 21	18 34	0 27	14 27	1 23	11 39	1 28	5 22	1 16	21 41	1 16	23 29	0 22	7 23	1 12	25 6	3 18	7 41	7 18	5 13	4 45	5 43
S 29	22 48	22 45	4 49	18 4	0 18	14 2	1 21	11 53	1 28	5 19	1 16	21 41	1 16	23 28	0 22	7 23	1 12	25 6	3 18	7 43	7 19	5 17	4 45	5 43
M30	22n42	25s56	5s 4	17n35	0n 8	13n36	1n18	12n 7	1s27	5n16	1n15	21s40	1n16	23n28	0n22	7n22	1n12	25s 7	3s18	7s46	7s20	5s20	4s45	5n43

Julian Day Number = 2189094.5, Delta T = 10m53s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'08, Lahiri = 13°50'08 Julian Calendar 1 June 1281 == Greg. Calendar 8 June 1281

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

JULY 1281 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 5 39	15♋53'38	16♐33	12♌28	28♌37	6♉27	19♍49	17°R20	10♋47	14♍10	21°R13	10°R 6	11♓18	8♎10	3°R57	T 1
W 2	19 9 36	16°50'52	29°45	13°35	29°44	7° 7	19°58	17♐16	10°51	14°12	21♑12	9♓57	11°15	8°17	3♓55	W 2
T 3	19 13 32	17°48'06	13♑16	14°40	0♍51	7°48	20° 7	17°13	10°54	14°13	21°10	9°48	11°12	8°23	3°54	T 3
F 4	19 17 29	18°45'20	27° 4	15°42	1°57	8°29	20°16	17° 9	10°58	14°15	21° 9	9°41	11° 9	8°30	3°52	F 4
S 5	19 21 25	19°42'36	11♒ 5	16°41	3° 3	9°10	20°25	17° 6	11° 1	14°16	21° 8	9°36	11° 6	8°37	3°50	S 5
S 6	19 25 22	20°39'52	25°15	17°37	4° 9	9°50	20°34	17° 3	11° 5	14°17	21° 6	9°33	11° 2	8°43	3°48	S 6
M 7	19 29 18	21°37'09	9♓30	18°31	5°15	10°31	20°43	16°59	11° 9	14°19	21° 5	9°D32	10°59	8°50	3°46	M 7
T 8	19 33 15	22°34'26	23°47	19°20	6°21	11°11	20°52	16°56	11°12	14°20	21° 3	9°33	10°56	8°57	3°44	T 8
W 9	19 37 11	23°31'45	8♈ 2	20° 7	7°27	11°51	21° 2	16°53	11°16	14°22	21° 2	9°34	10°53	9° 3	3°42	W 9
T 10	19 41 8	24°29'05	22°13	20°50	8°32	12°31	21°11	16°50	11°19	14°24	21° 0	9°R35	10°50	9°10	3°40	T 10
F 11	19 45 5	25°26'26	6♉20	21°29	9°37	13°11	21°21	16°47	11°23	14°25	20°59	9°34	10°47	9°17	3°38	F 11
S 12	19 49 1	26°23'48	20°19	22° 5	10°42	13°51	21°31	16°44	11°27	14°27	20°58	9°32	10°43	9°23	3°36	S 12
S 13	19 52 58	27°21'11	4♊11	22°36	11°47	14°31	21°40	16°41	11°30	14°28	20°56	9°28	10°40	9°30	3°34	S 13
M14	19 56 54	28°18'36	17°53	23° 3	12°51	15°10	21°50	16°39	11°34	14°30	20°55	9°22	10°37	9°37	3°32	M14
T 15	20 0 51	29°16'02	1♋23	23°26	13°56	15°50	22° 0	16°36	11°37	14°32	20°53	9°16	10°34	9°43	3°29	T 15
W16	20 4 47	0♌13'28	14°40	23°44	15° 0	16°29	22°10	16°33	11°41	14°33	20°52	9°10	10°31	9°50	3°27	W16
T 17	20 8 44	1°10'56	27°42	23°58	16° 4	17° 8	22°20	16°31	11°44	14°35	20°51	9° 4	10°28	9°57	3°25	T 17
F 18	20 12 40	2° 8'25	10♌28	24° 7	17° 8	17°47	22°31	16°28	11°48	14°37	20°49	8°59	10°24	10° 3	3°22	F 18
S 19	20 16 37	3° 5'55	22°58	24°R10	18°11	18°26	22°41	16°26	11°51	14°39	20°48	8°56	10°21	10°10	3°20	S 19
S 20	20 20 34	4° 3'25	5♍14	24° 8	19°15	19° 5	22°51	16°24	11°55	14°40	20°47	8°D55	10°18	10°17	3°18	S 20
M21	20 24 30	5° 0'57	17°18	24° 1	20°18	19°43	23° 2	16°22	11°58	14°42	20°45	8°55	10°15	10°23	3°15	M21
T 22	20 28 27	5°58'29	29°13	23°49	21°20	20°22	23°12	16°20	12° 2	14°44	20°44	8°56	10°12	10°30	3°13	T 22
W23	20 32 23	6°56'03	11♎ 3	23°31	22°23	21° 0	23°23	16°18	12° 5	14°46	20°42	8°58	10° 8	10°37	3°10	W23
T 24	20 36 20	7°53'37	22°52	23° 8	23°25	21°38	23°34	16°16	12° 8	14°48	20°41	9° 0	10° 5	10°43	3° 8	T 24
F 25	20 40 16	8°51'13	4♏46	22°39	24°27	22°16	23°45	16°14	12°12	14°50	20°40	9°R 1	10° 2	10°50	3° 5	F 25
S 26	20 44 13	9°48'49	16°48	22° 6	25°29	22°54	23°55	16°12	12°15	14°51	20°38	9° 1	9°59	10°57	3° 3	S 26
S 27	20 48 9	10°46'27	29° 5	21°28	26°30	23°31	24° 6	16°10	12°18	14°53	20°37	8°59	9°56	11° 3	3° 0	S 27
M28	20 52 6	11°44'05	11♐39	20°46	27°31	24° 9	24°17	16° 9	12°22	14°55	20°36	8°57	9°53	11°10	2°57	M28
T 29	20 56 3	12°41'45	24°35	20° 0	28°32	24°46	24°28	16° 7	12°25	14°57	20°34	8°53	9°49	11°17	2°55	T 29
W30	20 59 59	13°39'26	7♑54	19°11	29°33	25°24	24°40	16° 6	12°28	14°59	20°33	8°50	9°46	11°23	2°52	W30
T 31	21 3 56	14♌37'08	21♑37	18♌21	0♎33	26♉ 1	24♍51	16♐ 5	12♋31	15♍ 1	20♑32	8♓46	9♓43	11♎30	2♓49	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n35	27s53	5s 4	17n 5	0s 2	13n10	1n15	12n21	1s27	5n12	1n15	21s40	1n16	23n28	0n22	7n22	1n12	25s 7	3s18	7s49	7s21	5s23	4s46	5n44
W 2	22 28	28 20	4 48	16 36	0 13	12 43	1 11	12 35	1 26	5 8	1 15	21 40	1 16	23 27	0 22	7 21	1 12	25 7	3 18	7 52	7 22	5 27	4 46	5 44
T 3	22 21	27 7	4 16	16 7	0 24	12 17	1 8	12 49	1 26	5 5	1 15	21 40	1 16	23 27	0 22	7 21	1 12	25 8	3 18	7 55	7 24	5 30	4 47	5 44
F 4	22 13	24 14	3 28	15 38	0 35	11 50	1 5	13 2	1 26	5 1	1 15	21 40	1 15	23 27	0 22	7 20	1 12	25 8	3 18	7 58	7 25	5 34	4 47	5 44
S 5	22 5	19 52	2 27	15 9	0 47	11 23	1 1	13 16	1 25	4 57	1 15	21 40	1 15	23 27	0 22	7 20	1 12	25 8	3 19	8 0	7 26	5 37	4 47	5 44
S 6	21 56	14 21	1 16	14 41	0 59	10 55	0 58	13 29	1 25	4 54	1 14	21 39	1 15	23 26	0 22	7 19	1 12	25 9	3 19	8 1	7 27	5 40	4 48	5 45
M 7	21 47	8 2	0 0	14 13	1 11	10 28	0 54	13 42	1 24	4 50	1 14	21 39	1 15	23 26	0 22	7 18	1 12	25 9	3 19	8 1	7 28	5 44	4 48	5 45
T 8	21 38	1 19	1n16	13 46	1 23	10 0	0 50	13 55	1 24	4 46	1 14	21 39	1 15	23 26	0 22	7 18	1 12	25 9	3 19	8 1	7 30	5 47	4 49	5 45
W 9	21 29	5n27	2 28	13 20	1 35	9 32	0 46	14 8	1 23	4 42	1 14	21 39	1 15	23 25	0 22	7 17	1 12	25 9	3 19	8 1	7 31	5 50	4 50	5 45
T 10	21 19	11 56	3 30	12 54	1 48	9 4	0 42	14 21	1 23	4 38	1 14	21 39	1 14	23 25	0 22	7 17	1 12	25 10	3 19	8 1	7 32	5 54	4 50	5 45
F 11	21 8	17 45	4 19	12 30	2 0	8 35	0 38	14 33	1 22	4 34	1 14	21 39	1 14	23 25	0 22	7 16	1 12	25 10	3 19	8 1	7 33	5 57	4 51	5 45
S 12	20 57	22 35	4 52	12 6	2 13	8 7	0 34	14 46	1 22	4 30	1 14	21 38	1 14	23 24	0 22	7 15	1 12	25 10	3 19	8 2	7 34	6 0	4 51	5 46
S 13	20 46	26 7	5 8	11 44	2 26	7 38	0 30	14 58	1 21	4 26	1 13	21 38	1 14	23 24	0 22	7 15	1 12	25 11	3 19	8 3	7 36	6 4	4 52	5 46
M14	20 35	28 3	5 6	11 23	2 39	7 9	0 26	15 10	1 21	4 22	1 13	21 38	1 14	23 24	0 22	7 14	1 12	25 11	3 19	8 5	7 37	6 7	4 53	5 46
T 15	20 23	28 19	4 47	11 4	2 51	6 40	0 21	15 22	1 20	4 18	1 13	21 38	1 14	23 24	0 22	7 13	1 12	25 11	3 19	8 8	7 38	6 10	4 53	5 46
W16	20 11	26 54	4 12	10 46	3 4	6 11	0 16	15 34	1 19	4 14	1 13	21 38	1 13	23 23	0 22	7 13	1 12	25 12	3 19	8 10	7 39	6 14	4 54	5 46
T 17	19 59	24 4	3 25	10 30	3 16	5 42	0 12	15 46	1 19	4 10	1 13	21 38	1 13	23 23	0 22	7 12	1 12	25 12	3 20	8 12	7 41	6 17	4 55	5 46
F 18	19 46	20 4	2 29	10 16	3 28	5 13	0 7	15 57	1 18	4 6	1 13	21 38	1 13	23 23	0 22	7 11	1 12	25 12	3 20	8 14	7 42	6 20	4 55	5 47
S 19	19 33	15 16	1 26	10 4	3 39	4 43	0 2	16 8	1 18	4 1	1 12	21 38	1 13	23 22	0 22	7 11	1 12	25 12	3 20	8 15	7 43	6 24	4 56	5 47
S 20	19 19	9 56	0 20	9 54	3 50	4 14	0s 3	16 20	1 17	3 57	1 12	21 38	1 13	23 22	0 22	7 10	1 12	25 13	3 20	8 16	7 44	6 27	4 57	5 47
M21	19 5	4 20	0s46	9 47	4 1	3 44	0 8	16 31	1 16	3 53	1 12	21 38	1 13	23 22	0 22	7 9	1 12	25 13	3 20	8 15	7 45	6 30	4 57	5 47
T 22	18 51	1s21	1 49	9 42	4 10	3 15	0 13	16 42	1 16	3 49	1 12	21 38	1 12	23 22	0 22	7 8	1 12	25 13	3 20	8 15	7 47	6 34	4 58	5 47
W23	18 37	6 57	2 47	9 39	4 19	2 45	0 18	16 52	1 15	3 44	1 12	21 38	1 12	23 21	0 22	7 8	1 12	25 13	3 20	8 14	7 48	6 37	4 59	5 47
T 24	18 22	12 18	3 38	9 40	4 27	2 15	0 24	17 3	1 14	3 40	1 12	21 38	1 12	23 21	0 22	7 7	1 12	25 14	3 20	8 14	7 49	6 40	5 0	5 47
F 25	18 7	17 14	4 20	9 43	4 33	1 46	0 29	17 13	1 14	3 35	1 12	21 38	1 12	23 21	0 22	7 6	1 12	25 14	3 20	8 13	7 50	6 44	5 1	5 47
S 26	17 52	21 34	4 51	9 48	4 39	1 16	0 35	17 24	1 13	3 31	1 12	21 38	1 12	23 20	0 22	7 5	1 12	25 14	3 20	8 13	7 51	6 47	5 2	5 47
S 27	17 36	25 3	5 9	9 57	4 42	0 47	0 40	17 34	1 12	3 27	1 11	21 38	1 12	23 20	0 22	7 5	1 12	25 15	3 20	8 14	7 53	6 50	5 2	5 48
M28	17 20	27 27	5 13	10 8	4 45	0 17	0 46	17 44	1 11	3 22	1 11	21 38	1 11	23 20	0 22	7 4	1 12	25 15	3 20	8 15	7 54	6 54	5 3	5 48
T 29	17 4	28 27	5 2	10 22	4 45	0s13	0 52	17 54	1 11	3 18	1 11	21 38	1 11	23 20	0 22	7 3	1 12	25 15	3 20	8 16	7 55	6 57	5 4	5 48
W30	16 47	27 52	4 35	10 38	4 44	0 42	0 58	18 3	1 10	3 13	1 11	21 38	1 11	23 19	0 22	7 2	1 12	25 15	3 20	8 18	7 56	7 0	5 5	5 48
T 31	16n31	25s35	3s51	10n56	4s41	1s12	1s 4	18n13	1s 9	3n 8	1n11	21s38	1n11	23n19	0n22	7n 2	1n12	25s16	3s20	8s19	7s57	7s 4	5s 6	5n48

Julian Day Number = 2189124.5, Delta T = 10m53s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'12, Lahiri = 13°50'12 Julian Calendar 1 July 1281 == Greg. Calendar 8 July 1281

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

AUGUST 1281 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 7 52	15♌34'51	5♒41	17°R29	1♎33	26♉37	25♍ 2	16°R 3	12♋35	15♍ 3	20°R31	8°R43	9♓40	11♎37	2°R47	F 1
S 2	21 11 49	16°32'35	20° 4	16♌37	2°32	27°14	25°14	16♐ 2	12°38	15° 5	20♑29	8♓41	9°37	11°43	2♓44	S 2
S 3	21 15 45	17°30'21	4♓39	15°45	3°31	27°51	25°25	16° 1	12°41	15° 7	20°28	8°D40	9°34	11°50	2°41	S 3
M 4	21 19 42	18°28'09	19°19	14°56	4°30	28°27	25°36	16° 0	12°44	15° 9	20°27	8°40	9°30	11°57	2°38	M 4
T 5	21 23 38	19°25'58	4♈ 0	14°10	5°28	29° 3	25°48	16° 0	12°47	15°11	20°26	8°41	9°27	12° 3	2°35	T 5
W 6	21 27 35	20°23'48	18°35	13°27	6°26	29°39	26° 0	15°59	12°50	15°13	20°25	8°43	9°24	12°10	2°33	W 6
T 7	21 31 32	21°21'41	2♉59	12°50	7°23	0♊15	26°11	15°58	12°53	15°15	20°23	8°44	9°21	12°17	2°30	T 7
F 8	21 35 28	22°19'36	17°10	12°18	8°21	0°50	26°23	15°58	12°56	15°17	20°22	8°R44	9°18	12°23	2°27	F 8
S 9	21 39 25	23°17'32	1♊ 5	11°52	9°17	1°26	26°35	15°57	12°59	15°20	20°21	8°44	9°14	12°30	2°24	S 9
S 10	21 43 21	24°15'30	14°45	11°34	10°13	2° 1	26°47	15°57	13° 2	15°22	20°20	8°43	9°11	12°37	2°21	S 10
M11	21 47 18	25°13'31	28° 9	11°24	11° 9	2°36	26°58	15°57	13° 5	15°24	20°19	8°42	9° 8	12°43	2°18	M11
T 12	21 51 14	26°11'33	11♋17	11°D21	12° 4	3°11	27°10	15°56	13° 8	15°26	20°18	8°41	9° 5	12°50	2°16	T 12
W13	21 55 11	27° 9'37	24°11	11°27	12°59	3°46	27°22	15°D56	13°11	15°28	20°17	8°39	9° 2	12°57	2°13	W13
T 14	21 59 8	28° 7'43	6♌51	11°42	13°53	4°20	27°34	15°56	13°14	15°30	20°16	8°37	8°59	13° 3	2°10	T 14
F 15	22 3 4	29° 5'51	19°18	12° 4	14°47	4°54	27°47	15°57	13°17	15°32	20°15	8°36	8°55	13°10	2° 7	F 15
S 16	22 7 1	0♍ 4'00	1♍34	12°35	15°40	5°28	27°59	15°57	13°20	15°34	20°14	8°36	8°52	13°17	2° 4	S 16
S 17	22 10 57	1° 2'11	13°40	13°15	16°32	6° 2	28°11	15°57	13°22	15°37	20°13	8°D36	8°49	13°23	2° 1	S 17
M18	22 14 54	2° 0'24	25°38	14° 2	17°24	6°35	28°23	15°58	13°25	15°39	20°12	8°36	8°46	13°30	1°58	M18
T 19	22 18 50	2°58'38	7♎29	14°57	18°16	7° 9	28°35	15°58	13°28	15°41	20°11	8°37	8°43	13°37	1°55	T 19
W20	22 22 47	3°56'54	19°18	15°59	19° 6	7°42	28°48	15°59	13°30	15°43	20°10	8°37	8°39	13°43	1°52	W20
T 21	22 26 43	4°55'12	1♏ 7	17° 8	19°56	8°14	29° 0	15°59	13°33	15°45	20° 9	8°38	8°36	13°50	1°50	T 21
F 22	22 30 40	5°53'31	13° 0	18°23	20°45	8°47	29°12	16° 0	13°35	15°48	20° 8	8°38	8°33	13°57	1°47	F 22
S 23	22 34 36	6°51'52	25° 1	19°44	21°34	9°19	29°25	16° 1	13°38	15°50	20° 7	8°38	8°30	14° 3	1°44	S 23
S 24	22 38 33	7°50'15	7♐15	21°11	22°22	9°51	29°37	16° 2	13°40	15°52	20° 6	8°R38	8°27	14°10	1°41	S 24
M25	22 42 30	8°48'39	19°46	22°42	23° 9	10°23	29°50	16° 3	13°43	15°54	20° 5	8°D38	8°24	14°17	1°38	M25
T 26	22 46 26	9°47'05	2♑38	24°17	23°55	10°55	0♎ 2	16° 4	13°45	15°56	20° 5	8°38	8°20	14°23	1°35	T 26
W27	22 50 23	10°45'33	15°55	25°56	24°40	11°26	0°15	16° 6	13°48	15°59	20° 4	8°39	8°17	14°30	1°32	W27
T 28	22 54 19	11°44'02	29°38	27°38	25°24	11°57	0°28	16° 7	13°50	16° 1	20° 3	8°39	8°14	14°37	1°29	T 28
F 29	22 58 16	12°42'33	13♒47	29°22	26° 8	12°28	0°40	16° 9	13°52	16° 3	20° 2	8°39	8°11	14°43	1°27	F 29
S 30	23 2 12	13°41'05	28°19	1♍ 8	26°50	12°58	0°53	16°10	13°55	16° 5	20° 1	8°39	8° 8	14°50	1°24	S 30
S 31	23 6 9	14♍39'40	13♓10	2♍57	27♎32	13♊28	1♎ 6	16♐12	13♋57	16♍ 8	20♑ 1	8°R39	8♓ 5	14♎57	1♓21	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n14	21s42	2s52	11n17	4s35	1s41	1s10	18n22	1s 8	3n 4	1n11	21s38	1n11	23n19	0n23	7n 1	1n12	25s16	3s20	8s20	7s59	7s 7	5s 7	5n48	F 1
S 2	15 56	16 27	1 41	11 39	4 28	2 10	1 16	18 31	1 8	2 59	1 11	21 38	1 11	23 18	0 23	7 0	1 12	25 16	3 20	8 21	8 0	7 10	5 8	5 48	S 2
S 3	15 39	10 11	0 22	12 3	4 20	2 40	1 22	18 40	1 7	2 55	1 11	21 38	1 10	23 18	0 23	6 59	1 12	25 16	3 20	8 21	8 1	7 14	5 9	5 48	S 3
M 4	15 21	3 21	0n58	12 27	4 9	3 9	1 29	18 49	1 6	2 50	1 11	21 38	1 10	23 18	0 23	6 58	1 12	25 16	3 21	8 21	8 2	7 17	5 10	5 48	M 4
T 5	15 3	3n40	2 15	12 52	3 57	3 38	1 35	18 58	1 5	2 45	1 10	21 38	1 10	23 18	0 23	6 58	1 12	25 17	3 21	8 21	8 3	7 20	5 11	5 48	T 5
W 6	14 45	10 26	3 23	13 17	3 43	4 7	1 41	19 7	1 4	2 40	1 10	21 38	1 10	23 17	0 23	6 57	1 12	25 17	3 21	8 20	8 5	7 24	5 12	5 48	W 6
T 7	14 26	16 34	4 17	13 42	3 28	4 36	1 48	19 15	1 3	2 36	1 10	21 38	1 10	23 17	0 23	6 56	1 12	25 17	3 21	8 20	8 6	7 27	5 13	5 48	T 7
F 8	14 8	21 43	4 54	14 7	3 12	5 4	1 55	19 23	1 2	2 31	1 10	21 38	1 9	23 17	0 23	6 55	1 12	25 17	3 21	8 20	8 7	7 30	5 14	5 48	F 8
S 9	13 49	25 34	5 13	14 30	2 55	5 33	2 1	19 31	1 2	2 26	1 10	21 39	1 9	23 16	0 23	6 54	1 12	25 18	3 21	8 20	8 8	7 34	5 15	5 48	S 9
S 10	13 29	27 52	5 14	14 52	2 37	6 1	2 8	19 39	1 1	2 21	1 10	21 39	1 9	23 16	0 23	6 54	1 12	25 18	3 21	8 20	8 9	7 37	5 16	5 48	S 10
M11	13 10	28 30	4 58	15 12	2 19	6 30	2 15	19 47	1 0	2 17	1 10	21 39	1 9	23 16	0 23	6 53	1 12	25 18	3 21	8 20	8 11	7 40	5 17	5 48	M11
T 12	12 50	27 29	4 27	15 31	2 0	6 58	2 22	19 55	0 59	2 12	1 10	21 39	1 9	23 16	0 23	6 52	1 12	25 18	3 21	8 21	8 12	7 43	5 18	5 48	T 12
W13	12 30	25 0	3 42	15 47	1 42	7 25	2 28	20 2	0 58	2 7	1 10	21 39	1 9	23 15	0 23	6 51	1 12	25 18	3 21	8 22	8 13	7 47	5 19	5 48	W13
T 14	12 10	21 20	2 47	16 0	1 24	7 53	2 35	20 10	0 57	2 2	1 10	21 39	1 8	23 15	0 23	6 50	1 12	25 19	3 21	8 22	8 14	7 50	5 20	5 48	T 14
F 15	11 50	16 45	1 45	16 12	1 6	8 20	2 42	20 17	0 56	1 57	1 10	21 40	1 8	23 15	0 23	6 49	1 12	25 19	3 21	8 22	8 15	7 53	5 21	5 48	F 15
S 16	11 30	11 34	0 39	16 20	0 48	8 48	2 50	20 24	0 55	1 52	1 9	21 40	1 8	23 15	0 23	6 49	1 12	25 19	3 21	8 23	8 17	7 57	5 22	5 48	S 16
S 17	11 9	6 1	0s28	16 25	0 31	9 15	2 57	20 31	0 54	1 47	1 9	21 40	1 8	23 14	0 23	6 48	1 12	25 19	3 21	8 23	8 18	8 0	5 23	5 48	S 17
M18	10 48	0 19	1 33	16 27	0 15	9 41	3 4	20 38	0 53	1 42	1 9	21 40	1 8	23 14	0 23	6 47	1 12	25 19	3 21	8 23	8 19	8 3	5 24	5 48	M18
T 19	10 27	5s20	2 34	16 26	0n 1	10 8	3 11	20 44	0 52	1 37	1 9	21 40	1 7	23 14	0 23	6 46	1 12	25 19	3 21	8 22	8 20	8 6	5 25	5 48	T 19
W20	10 6	10 47	3 27	16 21	0 15	10 34	3 18	20 51	0 51	1 32	1 9	21 41	1 7	23 14	0 23	6 45	1 12	25 20	3 21	8 22	8 21	8 10	5 26	5 48	W20
T 21	9 45	15 50	4 12	16 13	0 29	11 0	3 26	20 57	0 50	1 27	1 9	21 41	1 7	23 13	0 23	6 44	1 12	25 20	3 21	8 22	8 23	8 13	5 27	5 48	T 21
F 22	9 23	20 21	4 46	16 2	0 41	11 25	3 33	21 3	0 49	1 22	1 9	21 41	1 7	23 13	0 23	6 43	1 12	25 20	3 21	8 22	8 24	8 16	5 28	5 48	F 22
S 23	9 2	24 5	5 9	15 47	0 53	11 50	3 40	21 9	0 48	1 17	1 9	21 42	1 7	23 13	0 23	6 43	1 12	25 20	3 21	8 22	8 25	8 19	5 29	5 47	S 23
S 24	8 40	26 49	5 17	15 30	1 3	12 15	3 48	21 15	0 46	1 12	1 9	21 42	1 6	23 13	0 23	6 42	1 12	25 20	3 21	8 22	8 26	8 23	5 30	5 47	S 24
M25	8 18	28 19	5 12	15 9	1 12	12 40	3 55	21 21	0 45	1 7	1 9	21 42	1 6	23 12	0 23	6 41	1 12	25 20	3 21	8 22	8 27	8 26	5 32	5 47	M25
T 26	7 56	28 21	4 50	14 45	1 21	13 4	4 2	21 26	0 44	1 2	1 9	21 42	1 6	23 12	0 23	6 40	1 12	25 20	3 21	8 22	8 29	8 29	5 33	5 47	T 26
W27	7 34	26 46	4 13	14 18	1 28	13 28	4 10	21 32	0 43	0 57	1 9	21 43	1 6	23 12	0 23	6 39	1 12	25 21	3 21	8 22	8 30	8 33	5 34	5 47	W27
T 28	7 11	23 34	3 20	13 49	1 34	13 51	4 17	21 37	0 42	0 52	1 9	21 43	1 6	23 12	0 23	6 38	1 12	25 21	3 21	8 22	8 31	8 36	5 35	5 47	T 28
F 29	6 49	18 53	2 14	13 17	1 39	14 14	4 25	21 43	0 41	0 47	1 9	21 43	1 6	23 12	0 23	6 37	1 12	25 21	3 21	8 21	8 32	8 39	5 36	5 47	F 29
S 30	6 26	13 0	0 57	12 43	1 43	14 37	4 32	21 48	0 39	0 42	1 9	21 44	1 5	23 11	0 23	6 37	1 12	25 21	3 21	8 21	8 33	8 42	5 37	5 47	S 30
S 31	6n 4	6s15	0n25	12n 7	1n46	14s59	4s40	21n53	0s38	0n37	1n 9	21s44	1n 5	23n11	0n23	6n36	1n12	25s21	3s21	8s21	8s34	8s46	5s38	5n47	S 31

Julian Day Number = 2189155.5, Delta T = 10m53s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'16, Lahiri = 13°50'16 Julian Calendar 1 Aug. 1281 == Greg. Calendar 8 Aug. 1281

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

SEPTEMBER 1281 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 10 5	15♍38'16	28♓12	4♍46	28♎12	13♊58	1♎18	16♐14	13♋59	16♍10	20°R 0	8°R39	8♓ 1	15♎ 3	1°R18	M 1
T 2	23 14 2	16°36'55	13♈16	6°36	28°51	14°28	1°31	16°16	14° 1	16°12	19♑59	8♓39	7°58	15°10	1♓15	T 2
W 3	23 17 59	17°35'35	28°14	8°27	29°30	14°57	1°44	16°17	14° 3	16°14	19°59	8°38	7°55	15°17	1°13	W 3
T 4	23 21 55	18°34'18	12♉58	10°18	0♏ 7	15°26	1°57	16°20	14° 5	16°16	19°58	8°37	7°52	15°23	1°10	T 4
F 5	23 25 52	19°33'03	27°23	12° 9	0°42	15°55	2°10	16°22	14° 7	16°19	19°58	8°36	7°49	15°30	1° 7	F 5
S 6	23 29 48	20°31'51	11♊24	14° 0	1°17	16°23	2°22	16°24	14° 9	16°21	19°57	8°35	7°45	15°37	1° 5	S 6
S 7	23 33 45	21°30'41	25° 3	15°51	1°50	16°51	2°35	16°26	14°11	16°23	19°57	8°D35	7°42	15°43	1° 2	S 7
M 8	23 37 41	22°29'33	8♋18	17°41	2°22	17°19	2°48	16°29	14°13	16°25	19°56	8°35	7°39	15°50	0°59	M 8
T 9	23 41 38	23°28'27	21°13	19°31	2°52	17°46	3° 1	16°31	14°15	16°28	19°56	8°36	7°36	15°57	0°57	T 9
W10	23 45 34	24°27'24	3♌51	21°20	3°21	18°13	3°14	16°34	14°16	16°30	19°55	8°38	7°33	16° 3	0°54	W10
T 11	23 49 31	25°26'23	16°15	23° 8	3°49	18°40	3°27	16°36	14°18	16°32	19°55	8°39	7°30	16°10	0°52	T 11
F 12	23 53 28	26°25'24	28°26	24°56	4°15	19° 6	3°40	16°39	14°20	16°34	19°54	8°40	7°26	16°17	0°49	F 12
S 13	23 57 24	27°24'28	10♍29	26°43	4°39	19°32	3°53	16°42	14°21	16°36	19°54	8°R40	7°23	16°23	0°46	S 13
S 14	0 1 21	28°23'33	22°26	28°30	5° 1	19°57	4° 6	16°45	14°23	16°39	19°54	8°39	7°20	16°30	0°44	S 14
M15	0 5 17	29°22'40	4♎17	0♎15	5°22	20°22	4°19	16°48	14°24	16°41	19°53	8°38	7°17	16°37	0°42	M15
T 16	0 9 14	0♎21'50	16° 7	2° 0	5°41	20°47	4°32	16°51	14°26	16°43	19°53	8°35	7°14	16°44	0°39	T 16
W17	0 13 10	1°21'02	27°56	3°44	5°58	21°11	4°45	16°55	14°27	16°45	19°53	8°31	7°11	16°50	0°37	W17
T 18	0 17 7	2°20'15	9♏46	5°27	6°13	21°35	4°58	16°58	14°29	16°47	19°53	8°27	7° 7	16°57	0°34	T 18
F 19	0 21 3	3°19'31	21°41	7° 9	6°26	21°59	5°11	17° 1	14°30	16°50	19°53	8°23	7° 4	17° 4	0°32	F 19
S 20	0 25 0	4°18'48	3♐44	8°51	6°37	22°22	5°24	17° 5	14°31	16°52	19°52	8°20	7° 1	17°10	0°30	S 20
S 21	0 28 57	5°18'08	15°57	10°31	6°46	22°44	5°37	17° 8	14°33	16°54	19°52	8°17	6°58	17°17	0°28	S 21
M22	0 32 53	6°17'29	28°24	12°11	6°52	23° 6	5°50	17°12	14°34	16°56	19°52	8°15	6°55	17°24	0°25	M22
T 23	0 36 50	7°16'52	11♑11	13°50	6°57	23°28	6° 3	17°16	14°35	16°58	19°52	8°D15	6°51	17°30	0°23	T 23
W24	0 40 46	8°16'17	24°19	15°29	6°R59	23°49	6°16	17°19	14°36	17° 0	19°52	8°16	6°48	17°37	0°21	W24
T 25	0 44 43	9°15'43	7♒53	17° 7	6°58	24°10	6°29	17°23	14°37	17° 2	19°D52	8°18	6°45	17°44	0°19	T 25
F 26	0 48 39	10°15'11	21°54	18°44	6°56	24°30	6°42	17°27	14°38	17° 4	19°52	8°19	6°42	17°50	0°17	F 26
S 27	0 52 36	11°14'42	6♓22	20°20	6°50	24°50	6°55	17°31	14°39	17° 7	19°52	8°R20	6°39	17°57	0°15	S 27
S 28	0 56 32	12°14'13	21°13	21°56	6°43	25° 9	7° 8	17°35	14°40	17° 9	19°52	8°19	6°36	18° 4	0°13	S 28
M29	1 0 29	13°13'47	6♈22	23°31	6°33	25°28	7°21	17°40	14°40	17°11	19°52	8°17	6°32	18°10	0°11	M29
T 30	1 4 25	14♎13'23	21♈39	25♎ 5	6♏20	25♊46	7♎34	17♐44	14♋41	17♍13	19♑52	8♓13	6♓29	18♎17	0♓ 9	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n41	0n55	1n46	11n29	1n48	15s20	4s47	21n57	0s37	0n32	1n 9	21s44	1n 5	23n11	0n23	6n35	1n12	25s21	3s21	8s21	8s36	8s49	5s39	5n46
T 2	5 18	8 2	3 1	10 49	1 50	15 41	4 54	22 2	0 36	0 26	1 8	21 45	1 5	23 11	0 23	6 34	1 12	25 21	3 21	8 22	8 37	8 52	5 40	5 46
W 3	4 55	14 39	4 2	10 8	1 50	16 2	5 2	22 7	0 34	0 21	1 8	21 45	1 5	23 11	0 23	6 33	1 12	25 21	3 21	8 22	8 38	8 55	5 41	5 46
T 4	4 32	20 20	4 46	9 26	1 50	16 22	5 9	22 11	0 33	0 16	1 8	21 46	1 5	23 10	0 23	6 32	1 12	25 21	3 21	8 22	8 39	8 59	5 43	5 46
F 5	4 9	24 41	5 11	8 43	1 50	16 42	5 16	22 16	0 32	0 11	1 8	21 46	1 4	23 10	0 23	6 31	1 12	25 21	3 21	8 23	8 40	9 2	5 44	5 46
S 6	3 46	27 28	5 16	7 59	1 48	17 1	5 24	22 20	0 30	0 6	1 8	21 46	1 4	23 10	0 23	6 31	1 12	25 22	3 21	8 23	8 42	9 5	5 45	5 46
S 7	3 23	28 30	5 4	7 14	1 46	17 19	5 31	22 24	0 29	0 1	1 8	21 47	1 4	23 10	0 23	6 30	1 12	25 22	3 21	8 23	8 43	9 8	5 46	5 46
M 8	2 59	27 51	4 35	6 28	1 43	17 37	5 38	22 28	0 28	0s 5	1 8	21 47	1 4	23 10	0 23	6 29	1 12	25 22	3 21	8 23	8 44	9 12	5 47	5 45
T 9	2 36	25 42	3 53	5 42	1 40	17 54	5 45	22 32	0 26	0 10	1 8	21 48	1 4	23 9	0 23	6 28	1 12	25 22	3 21	8 23	8 45	9 15	5 48	5 45
W10	2 13	22 18	3 1	4 56	1 37	18 11	5 52	22 36	0 25	0 15	1 8	21 48	1 3	23 9	0 23	6 27	1 12	25 22	3 21	8 22	8 46	9 18	5 49	5 45
T 11	1 49	17 57	2 1	4 9	1 33	18 27	5 58	22 40	0 23	0 20	1 8	21 49	1 3	23 9	0 23	6 26	1 12	25 22	3 21	8 22	8 48	9 21	5 50	5 45
F 12	1 26	12 57	0 56	3 23	1 29	18 42	6 5	22 43	0 22	0 25	1 8	21 49	1 3	23 9	0 24	6 25	1 12	25 22	3 21	8 21	8 49	9 24	5 51	5 45
S 13	1 2	7 31	0s10	2 36	1 24	18 57	6 12	22 47	0 20	0 30	1 8	21 49	1 3	23 9	0 24	6 25	1 12	25 22	3 21	8 21	8 50	9 28	5 52	5 44
S 14	0 39	1 52	1 15	1 49	1 19	19 10	6 18	22 51	0 19	0 36	1 8	21 50	1 3	23 9	0 24	6 24	1 12	25 22	3 21	8 21	8 51	9 31	5 53	5 44
M15	0 15	3s48	2 17	1 2	1 14	19 23	6 24	22 54	0 17	0 41	1 8	21 50	1 3	23 9	0 24	6 23	1 12	25 22	3 21	8 22	8 52	9 34	5 54	5 44
T 16	0s 9	9 19	3 12	0 15	1 9	19 35	6 30	22 57	0 16	0 46	1 8	21 51	1 2	23 8	0 24	6 22	1 12	25 22	3 21	8 23	8 53	9 37	5 56	5 44
W17	0 32	14 29	3 59	0s32	1 3	19 46	6 36	23 0	0 14	0 51	1 8	21 51	1 2	23 8	0 24	6 21	1 12	25 22	3 21	8 24	8 55	9 41	5 57	5 43
T 18	0 56	19 9	4 35	1 18	0 57	19 57	6 41	23 4	0 12	0 56	1 8	21 52	1 2	23 8	0 24	6 20	1 12	25 22	3 21	8 26	8 56	9 44	5 58	5 43
F 19	1 20	23 5	5 0	2 4	0 51	20 6	6 47	23 7	0 11	1 2	1 8	21 52	1 2	23 8	0 24	6 20	1 12	25 22	3 21	8 27	8 57	9 47	5 59	5 43
S 20	1 43	26 6	5 13	2 50	0 45	20 15	6 52	23 10	0 9	1 7	1 8	21 53	1 2	23 8	0 24	6 19	1 12	25 22	3 21	8 29	8 58	9 50	6 0	5 43
S 21	2 7	27 56	5 11	3 36	0 38	20 22	6 56	23 13	0 7	1 12	1 8	21 53	1 2	23 8	0 24	6 18	1 12	25 22	3 21	8 30	8 59	9 53	6 1	5 42
M22	2 30	28 26	4 55	4 21	0 32	20 28	7 1	23 16	0 6	1 17	1 8	21 54	1 1	23 8	0 24	6 17	1 12	25 22	3 21	8 30	9 1	9 57	6 2	5 42
T 23	2 54	27 26	4 23	5 6	0 25	20 33	7 5	23 18	0 4	1 22	1 8	21 54	1 1	23 8	0 24	6 16	1 12	25 22	3 21	8 30	9 2	10 0	6 3	5 42
W24	3 18	24 55	3 38	5 50	0 19	20 37	7 8	23 21	0 2	1 27	1 8	21 55	1 1	23 8	0 24	6 15	1 12	25 22	3 21	8 30	9 3	10 3	6 4	5 42
T 25	3 41	20 56	2 39	6 34	0 12	20 40	7 11	23 24	0 0	1 33	1 8	21 55	1 1	23 8	0 24	6 15	1 12	25 22	3 21	8 30	9 4	10 6	6 5	5 41
F 26	4 5	15 40	1 29	7 17	0 5	20 42	7 14	23 27	0n 1	1 38	1 8	21 56	1 1	23 7	0 24	6 14	1 12	25 22	3 21	8 29	9 5	10 9	6 6	5 41
S 27	4 28	9 23	0 11	8 0	0s 2	20 42	7 16	23 29	0 3	1 43	1 8	21 56	1 1	23 7	0 24	6 13	1 12	25 22	3 21	8 29	9 6	10 13	6 7	5 41
S 28	4 51	2 26	1n10	8 43	0 9	20 41	7 18	23 32	0 5	1 48	1 8	21 57	1 0	23 7	0 24	6 12	1 12	25 22	3 21	8 29	9 8	10 16	6 7	5 41
M29	5 15	4n47	2 27	9 24	0 15	20 39	7 19	23 34	0 7	1 53	1 8	21 58	1 0	23 7	0 24	6 12	1 12	25 22	3 21	8 30	9 9	10 19	6 8	5 40
T 30	5s38	11n47	3n34	10s 6	0s22	20s35	7s20	23n37	0n 9	1s58	1n 8	21s58	1n 0	23n 7	0n24	6n11	1n12	25s22	3s21	8s31	9s10	10s22	6s 9	5n40

Julian Day Number = 2189186.5, Delta T = 10m53s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'20, Lahiri = 13°50'21 Julian Calendar 1 Sept. 1281 == Greg. Calendar 8 Sept. 1281

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

OCTOBER 1281 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 8 22	15♎13'01	6♉53	26♎39	6°R 6	26♊ 4	7♎47	17♐48	14♋42	17♍15	19♑52	8°R 8	6♓26	18♎24	0°R 8	W 1
T 2	1 12 19	16°12'41	21°56	28°12	5♏48	26°21	8° 0	17°53	14°43	17°17	19°53	8♓ 2	6°23	18°30	0♓ 6	T 2
F 3	1 16 15	17°12'23	6♊36	29°44	5°29	26°38	8°13	17°57	14°43	17°19	19°53	7°57	6°20	18°37	0° 4	F 3
S 4	1 20 12	18°12'08	20°51	1♏16	5° 7	26°54	8°26	18° 2	14°44	17°21	19°53	7°52	6°17	18°44	0° 2	S 4
S 5	1 24 8	19°11'55	4♋36	2°48	4°43	27° 9	8°39	18° 6	14°44	17°23	19°53	7°49	6°13	18°50	0° 1	S 5
M 6	1 28 5	20°11'44	17°54	4°18	4°17	27°24	8°52	18°11	14°45	17°25	19°54	7°D48	6°10	18°57	29♒59	M 6
T 7	1 32 1	21°11'36	0♌46	5°49	3°50	27°38	9° 5	18°16	14°45	17°27	19°54	7°49	6° 7	19° 4	29°58	T 7
W 8	1 35 58	22°11'30	13°17	7°18	3°20	27°52	9°18	18°21	14°45	17°29	19°54	7°50	6° 4	19°10	29°56	W 8
T 9	1 39 55	23°11'26	25°32	8°47	2°49	28° 5	9°30	18°26	14°46	17°30	19°55	7°51	6° 1	19°17	29°55	T 9
F 10	1 43 51	24°11'24	7♍34	10°16	2°16	28°17	9°43	18°31	14°46	17°32	19°55	7°R52	5°57	19°24	29°53	F 10
S 11	1 47 48	25°11'24	19°28	11°44	1°43	28°28	9°56	18°36	14°46	17°34	19°56	7°51	5°54	19°30	29°52	S 11
S 12	1 51 44	26°11'26	1♎18	13°11	1° 8	28°39	10° 9	18°41	14°46	17°36	19°56	7°48	5°51	19°37	29°51	S 12
M13	1 55 41	27°11'30	13° 7	14°38	0°32	28°50	10°22	18°46	14°R46	17°38	19°57	7°43	5°48	19°44	29°50	M13
T 14	1 59 37	28°11'37	24°56	16° 4	29♎56	28°59	10°34	18°51	14°46	17°40	19°57	7°35	5°45	19°51	29°48	T 14
W15	2 3 34	29°11'45	6♏48	17°29	29°20	29° 8	10°47	18°57	14°46	17°41	19°58	7°26	5°42	19°57	29°47	W15
T 16	2 7 30	0♏11'55	18°45	18°54	28°44	29°16	11° 0	19° 2	14°46	17°43	19°58	7°15	5°38	20° 4	29°46	T 16
F 17	2 11 27	1°12'07	0♐46	20°18	28° 7	29°23	11°13	19° 7	14°46	17°45	19°59	7° 5	5°35	20°11	29°45	F 17
S 18	2 15 23	2°12'20	12°56	21°41	27°31	29°30	11°25	19°13	14°45	17°47	19°59	6°55	5°32	20°17	29°44	S 18
S 19	2 19 20	3°12'36	25°14	23° 3	26°56	29°36	11°38	19°18	14°45	17°48	20° 0	6°47	5°29	20°24	29°44	S 19
M20	2 23 17	4°12'53	7♑44	24°24	26°22	29°41	11°50	19°24	14°45	17°50	20° 1	6°41	5°26	20°31	29°43	M20
T 21	2 27 13	5°13'11	20°29	25°45	25°49	29°45	12° 3	19°30	14°44	17°52	20° 2	6°38	5°22	20°37	29°42	T 21
W22	2 31 10	6°13'31	3♒31	27° 4	25°17	29°49	12°15	19°35	14°44	17°53	20° 2	6°D36	5°19	20°44	29°41	W22
T 23	2 35 6	7°13'52	16°55	28°21	24°47	29°51	12°28	19°41	14°43	17°55	20° 3	6°37	5°16	20°51	29°41	T 23
F 24	2 39 3	8°14'15	0♓43	29°38	24°18	29°53	12°40	19°47	14°43	17°57	20° 4	6°R37	5°13	20°57	29°40	F 24
S 25	2 42 59	9°14'39	14°55	0♐52	23°51	29°54	12°53	19°53	14°42	17°58	20° 5	6°37	5°10	21° 4	29°40	S 25
S 26	2 46 56	10°15'04	29°32	2° 5	23°27	29°R54	13° 5	19°59	14°42	18° 0	20° 6	6°35	5° 7	21°11	29°39	S 26
M27	2 50 52	11°15'31	14♈30	3°16	23° 4	29°54	13°17	20° 5	14°41	18° 1	20° 6	6°31	5° 3	21°17	29°39	M27
T 28	2 54 49	12°15'59	29°41	4°25	22°44	29°52	13°29	20°11	14°40	18° 3	20° 7	6°23	5° 0	21°24	29°38	T 28
W29	2 58 46	13°16'29	14♉56	5°31	22°26	29°50	13°41	20°17	14°39	18° 4	20° 8	6°14	4°57	21°31	29°38	W29
T 30	3 2 42	14°17'00	0♊ 4	6°34	22°10	29°47	13°54	20°23	14°38	18° 6	20° 9	6° 3	4°54	21°38	29°38	T 30
F 31	3 6 39	15♏17'34	14♊54	7♐34	21♎57	29♊43	14♎ 6	20♐29	14♋38	18♍ 7	20♑10	5♓53	4♓51	21♎44	29♒38	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6s 1	18n 3	4n26	10s46	0s29	20s30	7s19	23n39	0n11	2s 3	1n 8	21s59	1n 0	23n 7	0n24	6n10	1n12	25s22	3s21	8s33	9s11	10s25	6s10	5n40
T 2	6 24	23 7	4 58	11 26	0 36	20 23	7 19	23 42	0 13	2 9	1 8	21 59	1 0	23 7	0 24	6 9	1 12	25 22	3 21	8 35	9 12	10 28	6 11	5 39
F 3	6 47	26 36	5 10	12 6	0 43	20 15	7 17	23 44	0 15	2 14	1 8	22 0	1 0	23 7	0 24	6 8	1 12	25 22	3 21	8 37	9 14	10 32	6 12	5 39
S 4	7 10	28 15	5 3	12 44	0 50	20 6	7 15	23 47	0 17	2 19	1 8	22 0	1 0	23 7	0 24	6 8	1 12	25 22	3 21	8 39	9 15	10 35	6 13	5 39
S 5	7 33	28 4	4 37	13 22	0 56	19 55	7 12	23 49	0 19	2 24	1 8	22 1	0 59	23 7	0 24	6 7	1 12	25 22	3 21	8 40	9 16	10 38	6 14	5 38
M 6	7 55	26 16	3 58	13 59	1 3	19 42	7 8	23 52	0 21	2 29	1 8	22 1	0 59	23 7	0 24	6 6	1 12	25 22	3 21	8 41	9 17	10 41	6 15	5 38
T 7	8 18	23 7	3 7	14 36	1 9	19 28	7 4	23 54	0 23	2 34	1 8	22 2	0 59	23 7	0 24	6 5	1 12	25 22	3 21	8 40	9 18	10 44	6 15	5 38
W 8	8 40	18 58	2 9	15 12	1 16	19 13	6 58	23 56	0 25	2 39	1 8	22 3	0 59	23 7	0 24	6 5	1 13	25 22	3 21	8 40	9 19	10 47	6 16	5 38
T 9	9 3	14 6	1 6	15 47	1 22	18 56	6 52	23 59	0 28	2 44	1 8	22 3	0 59	23 7	0 24	6 4	1 13	25 22	3 21	8 39	9 21	10 51	6 17	5 37
F 10	9 25	8 47	0 2	16 21	1 28	18 38	6 45	24 1	0 30	2 49	1 8	22 4	0 59	23 7	0 24	6 3	1 13	25 22	3 21	8 39	9 22	10 54	6 18	5 37
S 11	9 47	3 14	1s 2	16 54	1 34	18 19	6 37	24 4	0 32	2 54	1 8	22 4	0 59	23 7	0 24	6 3	1 13	25 21	3 21	8 39	9 23	10 57	6 19	5 37
S 12	10 9	2s24	2 3	17 27	1 40	17 59	6 29	24 6	0 34	2 59	1 8	22 5	0 58	23 7	0 24	6 2	1 13	25 21	3 21	8 41	9 24	11 0	6 19	5 36
M13	10 31	7 56	2 58	17 59	1 46	17 37	6 19	24 8	0 37	3 4	1 9	22 5	0 58	23 7	0 24	6 1	1 13	25 21	3 21	8 42	9 25	11 3	6 20	5 36
T 14	10 52	13 11	3 46	18 29	1 51	17 15	6 9	24 11	0 39	3 9	1 9	22 6	0 58	23 7	0 24	6 1	1 13	25 21	3 21	8 45	9 26	11 6	6 21	5 36
W15	11 14	17 59	4 23	18 59	1 57	16 51	5 58	24 13	0 41	3 14	1 9	22 7	0 58	23 7	0 25	6 0	1 13	25 21	3 21	8 49	9 28	11 9	6 21	5 35
T 16	11 35	22 6	4 49	19 28	2 2	16 27	5 47	24 16	0 44	3 19	1 9	22 7	0 58	23 7	0 25	5 59	1 13	25 21	3 21	8 53	9 29	11 13	6 22	5 35
F 17	11 56	25 20	5 3	19 56	2 7	16 3	5 35	24 18	0 46	3 24	1 9	22 8	0 58	23 7	0 25	5 59	1 13	25 21	3 21	8 57	9 30	11 16	6 23	5 34
S 18	12 17	27 27	5 3	20 22	2 12	15 38	5 22	24 21	0 49	3 29	1 9	22 8	0 58	23 7	0 25	5 58	1 13	25 21	3 21	9 0	9 31	11 19	6 23	5 34
S 19	12 38	28 16	4 50	20 48	2 16	15 13	5 9	24 23	0 51	3 34	1 9	22 9	0 57	23 7	0 25	5 57	1 13	25 21	3 21	9 4	9 32	11 22	6 24	5 34
M20	12 59	27 40	4 22	21 13	2 20	14 47	4 55	24 26	0 54	3 39	1 9	22 9	0 57	23 7	0 25	5 57	1 13	25 21	3 21	9 6	9 33	11 25	6 25	5 33
T 21	13 19	25 36	3 41	21 36	2 24	14 22	4 40	24 28	0 56	3 43	1 9	22 10	0 57	23 8	0 25	5 56	1 13	25 20	3 21	9 7	9 35	11 28	6 25	5 33
W22	13 39	22 9	2 47	21 58	2 27	13 56	4 26	24 31	0 59	3 48	1 9	22 11	0 57	23 8	0 25	5 55	1 13	25 20	3 21	9 7	9 36	11 31	6 26	5 33
T 23	13 59	17 28	1 43	22 19	2 30	13 31	4 11	24 34	1 1	3 53	1 9	22 11	0 57	23 8	0 25	5 55	1 13	25 20	3 21	9 7	9 37	11 34	6 26	5 32
F 24	14 18	11 45	0 32	22 38	2 33	13 7	3 56	24 36	1 4	3 58	1 9	22 12	0 57	23 8	0 25	5 54	1 13	25 20	3 21	9 7	9 38	11 38	6 27	5 32
S 25	14 38	5 17	0n44	22 57	2 35	12 43	3 41	24 39	1 7	4 3	1 9	22 12	0 57	23 8	0 25	5 54	1 13	25 20	3 21	9 7	9 39	11 41	6 27	5 32
S 26	14 57	1n38	1 59	23 13	2 37	12 19	3 25	24 42	1 9	4 7	1 9	22 13	0 57	23 8	0 25	5 53	1 13	25 20	3 21	9 8	9 40	11 44	6 28	5 31
M27	15 16	8 37	3 7	23 29	2 38	11 56	3 10	24 44	1 12	4 12	1 9	22 13	0 56	23 8	0 25	5 53	1 13	25 20	3 21	9 10	9 42	11 47	6 28	5 31
T 28	15 35	15 12	4 3	23 42	2 39	11 34	2 55	24 47	1 15	4 17	1 9	22 14	0 56	23 8	0 25	5 52	1 13	25 19	3 21	9 12	9 43	11 50	6 29	5 31
W29	15 53	20 52	4 42	23 55	2 39	11 14	2 39	24 50	1 18	4 21	1 10	22 15	0 56	23 8	0 25	5 52	1 13	25 19	3 21	9 16	9 44	11 53	6 29	5 30
T 30	16 11	25 8	5 1	24 5	2 38	10 54	2 24	24 53	1 21	4 26	1 10	22 15	0 56	23 8	0 25	5 51	1 13	25 19	3 21	9 20	9 45	11 56	6 30	5 30
F 31	16s29	27n37	4n59	24s14	2s37	10s35	2s 9	24n55	1n23	4s31	1n10	22s16	0n56	23n 9	0n25	5n50	1n13	25s19	3s21	9s23	9s46	11s59	6s30	5n29

Julian Day Number = 2189216.5, Delta T = 10m53s
Ecliptic obliquity = 23°32'06, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'24, Lahiri = 13°50'25 Julian Calendar 1 Oct. 1281 == Greg. Calendar 8 Oct. 1281

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

NOVEMBER 1281 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 10 35	16♏18'09	29♊18	8♐30	21°R46	29°R38	14♎18	20♐35	14°R37	18♍ 8	20♑11	5°R44	4♓48	21♎51	29°R37	S 1
S 2	3 14 32	17°18'45	13♋13	9°22	21♎38	29♊32	14°30	20°42	14♋36	18°10	20°12	5♓37	4°44	21°58	29°D37	S 2
M 3	3 18 28	18°19'24	26°38	10°10	21°32	29°26	14°42	20°48	14°35	18°11	20°13	5°33	4°41	22° 4	29♒37	M 3
T 4	3 22 25	19°20'04	9♌35	10°52	21°29	29°18	14°53	20°54	14°33	18°12	20°15	5°31	4°38	22°11	29°37	T 4
W 5	3 26 22	20°20'45	22° 7	11°28	21°D28	29°10	15° 5	21° 1	14°32	18°14	20°16	5°D30	4°35	22°18	29°38	W 5
T 6	3 30 18	21°21'29	4♍21	11°57	21°30	29° 1	15°17	21° 7	14°31	18°15	20°17	5°R31	4°32	22°24	29°38	T 6
F 7	3 34 15	22°22'14	16°21	12°19	21°34	28°50	15°29	21°13	14°30	18°16	20°18	5°30	4°28	22°31	29°38	F 7
S 8	3 38 11	23°23'00	28°12	12°32	21°41	28°39	15°40	21°20	14°28	18°17	20°19	5°28	4°25	22°38	29°38	S 8
S 9	3 42 8	24°23'48	10♎ 0	12°R37	21°49	28°28	15°52	21°26	14°27	18°18	20°20	5°23	4°22	22°44	29°39	S 9
M10	3 46 4	25°24'38	21°49	12°31	22° 0	28°15	16° 3	21°33	14°26	18°19	20°22	5°16	4°19	22°51	29°39	M10
T 11	3 50 1	26°25'29	3♏40	12°15	22°14	28° 2	16°15	21°39	14°24	18°21	20°23	5° 5	4°16	22°58	29°40	T 11
W12	3 53 57	27°26'21	15°38	11°49	22°29	27°47	16°26	21°46	14°23	18°22	20°24	4°52	4°13	23° 4	29°40	W12
T 13	3 57 54	28°27'14	27°43	11°11	22°46	27°32	16°37	21°53	14°21	18°23	20°25	4°37	4° 9	23°11	29°41	T 13
F 14	4 1 50	29°28'09	9♐56	10°22	23° 6	27°16	16°48	21°59	14°20	18°24	20°27	4°22	4° 6	23°18	29°41	F 14
S 15	4 5 47	0♑29'05	22°19	9°23	23°27	27° 0	17° 0	22° 6	14°18	18°25	20°28	4° 9	4° 3	23°25	29°42	S 15
S 16	4 9 44	1°30'02	4♑50	8°15	23°50	26°42	17°11	22°13	14°16	18°26	20°30	3°57	4° 0	23°31	29°43	S 16
M17	4 13 40	2°31'00	17°32	7° 0	24°15	26°25	17°22	22°20	14°15	18°26	20°31	3°48	3°57	23°38	29°44	M17
T 18	4 17 37	3°31'58	0♒25	5°39	24°42	26° 6	17°32	22°26	14°13	18°27	20°32	3°42	3°54	23°45	29°45	T 18
W19	4 21 33	4°32'58	13°32	4°16	25°11	25°47	17°43	22°33	14°11	18°28	20°34	3°39	3°50	23°51	29°46	W19
T 20	4 25 30	5°33'58	26°54	2°54	25°41	25°27	17°54	22°40	14° 9	18°29	20°35	3°38	3°47	23°58	29°47	T 20
F 21	4 29 26	6°34'58	10♓33	1°35	26°12	25° 6	18° 5	22°47	14° 7	18°30	20°37	3°38	3°44	24° 5	29°48	F 21
S 22	4 33 23	7°35'59	24°32	0°21	26°46	24°45	18°15	22°54	14° 5	18°30	20°38	3°38	3°41	24°11	29°49	S 22
S 23	4 37 20	8°37'01	8♈50	29♏16	27°20	24°24	18°26	23° 1	14° 3	18°31	20°40	3°35	3°38	24°18	29°50	S 23
M24	4 41 16	9°38'03	23°26	28°19	27°56	24° 2	18°36	23° 8	14° 1	18°32	20°41	3°30	3°34	24°25	29°51	M24
T 25	4 45 13	10°39'05	8♉16	27°34	28°33	23°40	18°46	23°15	13°59	18°32	20°43	3°22	3°31	24°31	29°53	T 25
W26	4 49 9	11°40'09	23°12	26°59	29°12	23°17	18°56	23°22	13°57	18°33	20°44	3°12	3°28	24°38	29°54	W26
T 27	4 53 6	12°41'13	8♊ 6	26°36	29°52	22°54	19° 7	23°29	13°55	18°34	20°46	3° 0	3°25	24°45	29°55	T 27
F 28	4 57 2	13°42'17	22°48	26°23	0♏33	22°31	19°17	23°36	13°53	18°34	20°48	2°48	3°22	24°52	29°57	F 28
S 29	5 0 59	14°43'23	7♋10	26°D21	1°15	22° 8	19°26	23°42	13°51	18°35	20°49	2°37	3°19	24°58	29°58	S 29
S 30	5 4 55	15♐44'29	21♋ 7	26♏29	1♏59	21♊44	19♎36	23♐50	13♋49	18♍35	20♑51	2♓29	3♓15	25♎ 5	29♒59	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s47	28n 9	4n37	24s21	2s34	10s17	1s54	24n58	1n26	4s35	1n10	22s16	0n56	23n 9	0n25	5n50	1n13	25s19	3s21	9s27	9s47	12s 2	6s31	5n29
S 2	17 4	26 51	4 0	24 26	2 31	10 0	1 40	25 1	1 29	4 40	1 10	22 17	0 56	23 9	0 25	5 49	1 13	25 19	3 21	9 29	9 49	12 5	6 31	5 29
M 3	17 21	24 2	3 11	24 29	2 27	9 45	1 26	25 4	1 32	4 44	1 10	22 17	0 56	23 9	0 25	5 49	1 13	25 19	3 21	9 31	9 50	12 9	6 31	5 28
T 4	17 38	20 4	2 13	24 30	2 22	9 31	1 12	25 7	1 35	4 49	1 10	22 18	0 56	23 9	0 25	5 49	1 14	25 18	3 20	9 32	9 51	12 12	6 32	5 28
W 5	17 54	15 18	1 10	24 29	2 16	9 18	0 58	25 10	1 38	4 53	1 10	22 18	0 55	23 9	0 25	5 48	1 14	25 18	3 20	9 32	9 52	12 15	6 32	5 28
T 6	18 10	10 3	0 6	24 26	2 8	9 6	0 45	25 13	1 41	4 58	1 10	22 19	0 55	23 9	0 25	5 48	1 14	25 18	3 20	9 32	9 53	12 18	6 32	5 27
F 7	18 26	4 32	0s57	24 20	2 0	8 56	0 32	25 15	1 44	5 2	1 10	22 19	0 55	23 10	0 25	5 47	1 14	25 18	3 20	9 32	9 54	12 21	6 32	5 27
S 8	18 42	1s 5	1 57	24 12	1 50	8 46	0 19	25 18	1 47	5 7	1 10	22 20	0 55	23 10	0 25	5 47	1 14	25 18	3 20	9 33	9 56	12 24	6 33	5 26
S 9	18 57	6 36	2 52	24 1	1 38	8 38	0 7	25 21	1 49	5 11	1 11	22 21	0 55	23 10	0 25	5 46	1 14	25 17	3 21	9 34	9 57	12 27	6 33	5 26
M10	19 11	11 54	3 39	23 48	1 25	8 31	0n 5	25 24	1 52	5 15	1 11	22 21	0 55	23 10	0 25	5 46	1 14	25 17	3 21	9 37	9 58	12 30	6 33	5 26
T 11	19 26	16 48	4 16	23 31	1 10	8 26	0 17	25 26	1 55	5 19	1 11	22 22	0 55	23 10	0 25	5 46	1 14	25 17	3 21	9 41	9 59	12 33	6 33	5 25
W12	19 40	21 6	4 43	23 11	0 54	8 21	0 28	25 29	1 58	5 24	1 11	22 22	0 55	23 10	0 25	5 45	1 14	25 17	3 21	9 46	10 0	12 36	6 33	5 25
T 13	19 54	24 33	4 57	22 49	0 37	8 18	0 39	25 32	2 1	5 28	1 11	22 23	0 55	23 11	0 25	5 45	1 14	25 17	3 21	9 51	10 1	12 39	6 34	5 25
F 14	20 7	26 56	4 58	22 24	0 18	8 15	0 49	25 34	2 4	5 32	1 11	22 23	0 54	23 11	0 25	5 45	1 14	25 16	3 21	9 57	10 3	12 42	6 34	5 24
S 15	20 20	28 3	4 45	21 55	0n 1	8 14	0 59	25 37	2 7	5 36	1 11	22 24	0 54	23 11	0 25	5 44	1 14	25 16	3 21	10 2	10 4	12 45	6 34	5 24
S 16	20 33	27 44	4 18	21 25	0 22	8 14	1 9	25 39	2 10	5 40	1 11	22 24	0 54	23 11	0 25	5 44	1 14	25 16	3 21	10 6	10 5	12 48	6 34	5 24
M17	20 45	25 58	3 37	20 52	0 42	8 14	1 18	25 42	2 13	5 45	1 11	22 25	0 54	23 11	0 25	5 44	1 14	25 16	3 21	10 9	10 6	12 51	6 34	5 23
T 18	20 57	22 50	2 46	20 19	1 2	8 16	1 27	25 44	2 15	5 49	1 12	22 25	0 54	23 12	0 25	5 43	1 14	25 16	3 21	10 11	10 7	12 54	6 34	5 23
W19	21 8	18 29	1 44	19 45	1 22	8 18	1 35	25 46	2 18	5 53	1 12	22 26	0 54	23 12	0 26	5 43	1 14	25 15	3 21	10 12	10 8	12 57	6 34	5 22
T 20	21 19	13 9	0 36	19 11	1 40	8 22	1 43	25 48	2 21	5 57	1 12	22 26	0 54	23 12	0 26	5 43	1 14	25 15	3 21	10 13	10 10	13 0	6 34	5 22
F 21	21 30	7 5	0n36	18 40	1 56	8 26	1 51	25 50	2 24	6 1	1 12	22 26	0 54	23 12	0 26	5 42	1 14	25 15	3 21	10 13	10 11	13 3	6 34	5 22
S 22	21 40	0 32	1 48	18 10	2 11	8 31	1 58	25 52	2 26	6 4	1 12	22 27	0 54	23 13	0 26	5 42	1 14	25 15	3 21	10 13	10 12	13 6	6 34	5 21
S 23	21 50	6n11	2 54	17 44	2 23	8 37	2 5	25 54	2 29	6 8	1 12	22 27	0 54	23 13	0 26	5 42	1 14	25 15	3 21	10 14	10 13	13 9	6 34	5 21
M24	21 59	12 42	3 51	17 22	2 33	8 43	2 12	25 55	2 31	6 12	1 12	22 28	0 54	23 13	0 26	5 42	1 15	25 14	3 21	10 16	10 14	13 12	6 34	5 21
T 25	22 8	18 36	4 32	17 5	2 41	8 51	2 19	25 57	2 34	6 16	1 13	22 28	0 53	23 13	0 26	5 42	1 15	25 14	3 21	10 19	10 15	13 15	6 34	5 20
W26	22 16	23 25	4 56	16 52	2 47	8 59	2 25	25 58	2 36	6 20	1 13	22 29	0 53	23 14	0 26	5 41	1 15	25 14	3 21	10 22	10 16	13 19	6 33	5 20
T 27	22 25	26 40	4 59	16 43	2 50	9 7	2 30	25 59	2 39	6 23	1 13	22 29	0 53	23 14	0 26	5 41	1 15	25 14	3 21	10 27	10 18	13 22	6 33	5 20
F 28	22 32	28 2	4 42	16 38	2 52	9 17	2 36	26 0	2 41	6 27	1 13	22 30	0 53	23 14	0 26	5 41	1 15	25 13	3 21	10 31	10 19	13 25	6 33	5 19
S 29	22 39	27 28	4 8	16 38	2 52	9 26	2 41	26 1	2 43	6 31	1 13	22 30	0 53	23 14	0 26	5 41	1 15	25 13	3 21	10 35	10 20	13 28	6 33	5 19
S 30	22s46	25n 9	3n20	16s41	2n50	9s37	2n46	26n 2	2n45	6s34	1n13	22s30	0n53	23n14	0n26	5n41	1n15	25s13	3s21	10s38	10s21	13s31	6s33	5n19

Julian Day Number = 2189247.5, Delta T = 10m53s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'29, Lahiri = 13°50'29 Julian Calendar 1 Nov. 1281 == Greg. Calendar 8 Nov. 1281

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ASTRODIENST EPHEMERIS for the year 1281
geocentric

DECEMBER 1281 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 8 52	16♐45'35	4♌37	26♏45	2♏43	21°R21	19♎46	23♐57	13°R47	18♍36	20♑52	2°R24	3♓12	25♎12	0♓ 2	M 1
T 2	5 12 49	17°46'43	17°39	27°10	3°29	20♊57	19°56	24° 4	13♋44	18°36	20°54	2♓21	3° 9	25°18	0° 3	T 2
W 3	5 16 45	18°47'51	0♍16	27°42	4°15	20°33	20° 5	24°11	13°42	18°36	20°56	2°D20	3° 6	25°25	0° 5	W 3
T 4	5 20 42	19°49'00	12°33	28°21	5° 3	20° 9	20°14	24°18	13°40	18°37	20°58	2°20	3° 3	25°32	0° 7	T 4
F 5	5 24 38	20°50'09	24°36	29° 5	5°51	19°46	20°24	24°25	13°37	18°37	20°59	2°R20	3° 0	25°38	0° 9	F 5
S 6	5 28 35	21°51'19	6♎29	29°55	6°40	19°22	20°33	24°32	13°35	18°37	21° 1	2°19	2°56	25°45	0°10	S 6
S 7	5 32 31	22°52'30	18°18	0♐49	7°30	18°59	20°42	24°39	13°33	18°38	21° 3	2°16	2°53	25°52	0°12	S 7
M 8	5 36 28	23°53'41	0♏ 7	1°48	8°21	18°36	20°51	24°46	13°30	18°38	21° 4	2°10	2°50	25°58	0°14	M 8
T 9	5 40 24	24°54'53	12° 2	2°50	9°13	18°13	21° 0	24°53	13°28	18°38	21° 6	2° 1	2°47	26° 5	0°16	T 9
W10	5 44 21	25°56'05	24° 6	3°55	10° 5	17°50	21° 8	25° 0	13°26	18°38	21° 8	1°50	2°44	26°12	0°19	W10
T 11	5 48 18	26°57'18	6♐20	5° 3	10°58	17°28	21°17	25° 7	13°23	18°38	21°10	1°38	2°40	26°19	0°21	T 11
F 12	5 52 14	27°58'31	18°46	6°13	11°52	17° 6	21°25	25°14	13°21	18°38	21°12	1°26	2°37	26°25	0°23	F 12
S 13	5 56 11	28°59'44	1♑24	7°26	12°46	16°45	21°34	25°21	13°18	18°R38	21°13	1°14	2°34	26°32	0°25	S 13
S 14	6 0 7	0♑ 0'57	14°15	8°41	13°42	16°24	21°42	25°28	13°16	18°38	21°15	1° 4	2°31	26°39	0°28	S 14
M15	6 4 4	1° 2'10	27°17	9°57	14°37	16° 4	21°50	25°35	13°13	18°38	21°17	0°56	2°28	26°45	0°30	M15
T 16	6 8 0	2° 3'23	10♒30	11°15	15°34	15°44	21°58	25°42	13°11	18°38	21°19	0°52	2°25	26°52	0°32	T 16
W17	6 11 57	3° 4'35	23°53	12°34	16°30	15°25	22° 6	25°49	13° 8	18°38	21°21	0°50	2°21	26°59	0°35	W17
T 18	6 15 54	4° 5'47	7♓27	13°55	17°28	15° 6	22°14	25°56	13° 5	18°38	21°23	0°D50	2°18	27° 5	0°37	T 18
F 19	6 19 50	5° 6'59	21°12	15°16	18°26	14°48	22°21	26° 3	13° 3	18°38	21°24	0°50	2°15	27°12	0°40	F 19
S 20	6 23 47	6° 8'10	5♈ 8	16°39	19°24	14°31	22°29	26°10	13° 0	18°37	21°26	0°R51	2°12	27°19	0°42	S 20
S 21	6 27 43	7° 9'21	19°15	18° 2	20°23	14°15	22°36	26°17	12°58	18°37	21°28	0°50	2° 9	27°26	0°45	S 21
M22	6 31 40	8°10'31	3♉32	19°27	21°22	13°59	22°43	26°24	12°55	18°37	21°30	0°48	2° 6	27°32	0°48	M22
T 23	6 35 36	9°11'41	17°57	20°52	22°22	13°44	22°50	26°31	12°52	18°37	21°32	0°43	2° 2	27°39	0°50	T 23
W24	6 39 33	10°12'50	2♊25	22°18	23°22	13°30	22°57	26°38	12°50	18°36	21°34	0°36	1°59	27°46	0°53	W24
T 25	6 43 29	11°13'58	16°50	23°45	24°23	13°16	23° 4	26°45	12°47	18°36	21°36	0°27	1°56	27°52	0°56	T 25
F 26	6 47 26	12°15'06	1♋ 8	25°12	25°24	13° 4	23°10	26°52	12°45	18°35	21°38	0°19	1°53	27°59	0°59	F 26
S 27	6 51 23	13°16'14	15°12	26°41	26°25	12°52	23°17	26°59	12°42	18°35	21°40	0°12	1°50	28° 6	1° 1	S 27
S 28	6 55 19	14°17'21	28°56	28° 9	27°27	12°41	23°23	27° 6	12°39	18°34	21°42	0° 6	1°46	28°12	1° 4	S 28
M29	6 59 16	15°18'28	12♌19	29°39	28°29	12°30	23°29	27°13	12°37	18°34	21°44	0° 2	1°43	28°19	1° 7	M29
T 30	7 3 12	16°19'34	25°20	1♑ 9	29°32	12°21	23°35	27°19	12°34	18°33	21°45	0°D 0	1°40	28°26	1°10	T 30
W31	7 7 9	17♑20'39	7♍59	2♑39	0♐35	12♊12	23♎41	27♐26	12♋32	18♍33	21♑47	0♓ 1	1♓37	28♎33	1♓13	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s52	21n28	2n21	16s47	2n48	9s48	2n50	26n 2	2n48	6s38	1n13	22s31	0n53	23n15	0n26	5n41	1n15	25s13	3s21	10s40	10s22	13s33	6s32	5n18
T 2	22 58	16 50	1 17	16 57	2 44	9 59	2 55	26 3	2 50	6 41	1 14	22 31	0 53	23 15	0 26	5 40	1 15	25 13	3 21	10 41	10 23	13 36	6 32	5 18
W 3	23 4	11 36	0 11	17 8	2 39	10 11	2 59	26 3	2 52	6 45	1 14	22 32	0 53	23 15	0 26	5 40	1 15	25 12	3 21	10 41	10 25	13 39	6 32	5 17
T 4	23 9	6 3	0s54	17 22	2 34	10 23	3 3	26 3	2 53	6 48	1 14	22 32	0 53	23 16	0 26	5 40	1 15	25 12	3 21	10 41	10 26	13 42	6 32	5 17
F 5	23 13	0 23	1 55	17 38	2 28	10 36	3 6	26 3	2 55	6 51	1 14	22 32	0 53	23 16	0 26	5 40	1 15	25 12	3 21	10 41	10 27	13 45	6 31	5 17
S 6	23 17	5s12	2 51	17 55	2 21	10 49	3 9	26 3	2 57	6 55	1 14	22 33	0 53	23 16	0 26	5 40	1 15	25 12	3 21	10 41	10 28	13 48	6 31	5 16
S 7	23 21	10 34	3 39	18 13	2 14	11 2	3 12	26 2	2 58	6 58	1 14	22 33	0 53	23 16	0 26	5 40	1 15	25 11	3 21	10 43	10 29	13 51	6 31	5 16
M 8	23 24	15 34	4 17	18 32	2 7	11 16	3 15	26 2	3 0	7 1	1 15	22 33	0 53	23 17	0 26	5 40	1 15	25 11	3 21	10 45	10 30	13 54	6 30	5 16
T 9	23 26	20 1	4 44	18 52	1 59	11 30	3 17	26 1	3 1	7 4	1 15	22 34	0 52	23 17	0 26	5 40	1 15	25 11	3 21	10 48	10 31	13 57	6 30	5 16
W10	23 28	23 42	5 0	19 12	1 51	11 44	3 20	26 1	3 3	7 7	1 15	22 34	0 52	23 17	0 26	5 40	1 15	25 11	3 21	10 52	10 33	14 0	6 29	5 15
T 11	23 30	26 24	5 1	19 32	1 43	11 59	3 22	26 0	3 4	7 10	1 15	22 34	0 52	23 17	0 26	5 40	1 15	25 10	3 21	10 56	10 34	14 3	6 29	5 15
F 12	23 31	27 51	4 49	19 53	1 35	12 13	3 24	25 59	3 5	7 13	1 15	22 35	0 52	23 18	0 26	5 40	1 15	25 10	3 21	11 1	10 35	14 6	6 28	5 15
S 13	23 32	27 54	4 22	20 13	1 27	12 28	3 25	25 58	3 6	7 16	1 15	22 35	0 52	23 18	0 26	5 40	1 15	25 10	3 21	11 5	10 36	14 9	6 28	5 14
S 14	23 32	26 26	3 42	20 33	1 18	12 43	3 27	25 57	3 7	7 19	1 16	22 35	0 52	23 18	0 26	5 40	1 16	25 10	3 21	11 8	10 37	14 12	6 27	5 14
M15	23 32	23 33	2 49	20 53	1 10	12 59	3 28	25 55	3 8	7 22	1 16	22 36	0 52	23 18	0 26	5 40	1 16	25 9	3 21	11 11	10 38	14 15	6 27	5 14
T 16	23 31	19 23	1 46	21 12	1 2	13 14	3 29	25 54	3 9	7 25	1 16	22 36	0 52	23 19	0 26	5 40	1 16	25 9	3 21	11 13	10 39	14 18	6 26	5 13
W17	23 30	14 12	0 37	21 31	0 53	13 29	3 30	25 53	3 10	7 28	1 16	22 36	0 52	23 19	0 26	5 40	1 16	25 9	3 21	11 13	10 41	14 21	6 26	5 13
T 18	23 28	8 15	0n35	21 49	0 45	13 45	3 30	25 51	3 10	7 30	1 16	22 36	0 52	23 19	0 26	5 41	1 16	25 9	3 22	11 13	10 42	14 24	6 25	5 13
F 19	23 26	1 52	1 47	22 6	0 37	14 0	3 31	25 50	3 11	7 33	1 17	22 37	0 52	23 19	0 26	5 41	1 16	25 8	3 22	11 13	10 43	14 27	6 25	5 12
S 20	23 23	4n42	2 53	22 23	0 29	14 16	3 31	25 48	3 12	7 36	1 17	22 37	0 52	23 20	0 26	5 41	1 16	25 8	3 22	11 13	10 44	14 30	6 24	5 12
S 21	23 20	11 6	3 50	22 39	0 21	14 31	3 31	25 47	3 12	7 38	1 17	22 37	0 52	23 20	0 26	5 41	1 16	25 8	3 22	11 13	10 45	14 33	6 23	5 12
M22	23 17	17 1	4 33	22 54	0 13	14 47	3 31	25 45	3 12	7 41	1 17	22 37	0 52	23 20	0 26	5 41	1 16	25 8	3 22	11 14	10 46	14 35	6 23	5 12
T 23	23 13	22 1	4 59	23 8	0 5	15 2	3 31	25 44	3 13	7 43	1 17	22 38	0 52	23 21	0 26	5 41	1 16	25 7	3 22	11 16	10 47	14 38	6 22	5 11
W24	23 8	25 44	5 6	23 21	0s 2	15 18	3 30	25 42	3 13	7 45	1 18	22 38	0 52	23 21	0 26	5 41	1 16	25 7	3 22	11 18	10 49	14 41	6 21	5 11
T 25	23 3	27 46	4 54	23 33	0 10	15 33	3 30	25 40	3 13	7 48	1 18	22 38	0 52	23 21	0 26	5 42	1 16	25 7	3 22	11 21	10 50	14 44	6 21	5 11
F 26	22 58	27 55	4 24	23 44	0 17	15 48	3 29	25 39	3 13	7 50	1 18	22 38	0 52	23 21	0 26	5 42	1 16	25 7	3 22	11 24	10 51	14 47	6 20	5 10
S 27	22 52	26 16	3 38	23 54	0 24	16 3	3 28	25 37	3 13	7 52	1 18	22 39	0 51	23 22	0 26	5 42	1 16	25 6	3 22	11 27	10 52	14 50	6 19	5 10
S 28	22 46	23 3	2 40	24 2	0 31	16 18	3 27	25 36	3 13	7 54	1 18	22 39	0 51	23 22	0 26	5 42	1 16	25 6	3 22	11 29	10 53	14 53	6 18	5 10
M29	22 39	18 41	1 34	24 10	0 38	16 33	3 26	25 34	3 13	7 56	1 19	22 39	0 51	23 22	0 26	5 43	1 16	25 6	3 22	11 30	10 54	14 56	6 17	5 10
T 30	22 32	13 32	0 25	24 16	0 45	16 48	3 25	25 33	3 13	7 58	1 19	22 39	0 51	23 22	0 26	5 43	1 16	25 6	3 22	11 31	10 55	14 59	6 17	5 9
W31	22s24	7n57	0s43	24s21	0s51	17s 2	3n23	25n32	3n13	8s 0	1n19	22s39	0n51	23n23	0n26	5n43	1n16	25s 5	3s22	11s31	10s57	15s 1	6s16	5n 9

Julian Day Number = 2189277.5, Delta T = 10m53s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'33, Lahiri = 13°50'33 Julian Calendar 1 Dec. 1281 == Greg. Calendar 8 Dec. 1281

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ASTRODIENST EPHEMERIS for the year 1282
geocentric

JANUARY 1282 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 11 5	18♑21'45	20♍19	4♑10	1♐38	12°R 4	23♎46	27♐33	12°R29	18°R32	21♑49	0♓ 2	1♓34	28♎39	1♓16	T 1
F 2	7 15 2	19°22'49	2♎24	5°42	2°42	11♊57	23°52	27°40	12♋26	18♍32	21°51	0° 4	1°31	28°46	1°19	F 2
S 3	7 18 58	20°23'54	14°20	7°14	3°45	11°51	23°57	27°46	12°24	18°31	21°53	0° 5	1°27	28°53	1°23	S 3
S 4	7 22 55	21°24'58	26°11	8°47	4°50	11°46	24° 2	27°53	12°21	18°30	21°55	0°R 5	1°24	28°59	1°26	S 4
M 5	7 26 52	22°26'01	8♏ 3	10°21	5°54	11°41	24° 7	28° 0	12°19	18°29	21°57	0° 3	1°21	29° 6	1°29	M 5
T 6	7 30 48	23°27'04	20° 0	11°55	6°59	11°37	24°12	28° 6	12°16	18°29	21°59	0° 0	1°18	29°13	1°32	T 6
W 7	7 34 45	24°28'06	2♐ 6	13°29	8° 4	11°34	24°17	28°13	12°14	18°28	22° 1	29♒55	1°15	29°19	1°35	W 7
T 8	7 38 41	25°29'08	14°25	15° 5	9° 9	11°32	24°22	28°19	12°11	18°27	22° 3	29°50	1°12	29°26	1°39	T 8
F 9	7 42 38	26°30'09	27° 0	16°40	10°14	11°30	24°26	28°26	12° 9	18°26	22° 5	29°44	1° 8	29°33	1°42	F 9
S 10	7 46 34	27°31'09	9♑52	18°17	11°20	11°D30	24°30	28°33	12° 6	18°25	22° 7	29°38	1° 5	29°40	1°45	S 10
S 11	7 50 31	28°32'08	23° 1	19°54	12°26	11°30	24°34	28°39	12° 4	18°24	22° 9	29°33	1° 2	29°46	1°49	S 11
M12	7 54 27	29°33'07	6♒25	21°32	13°32	11°31	24°38	28°45	12° 1	18°23	22°11	29°29	0°59	29°53	1°52	M12
T 13	7 58 24	0♒34'04	20° 4	23°11	14°39	11°32	24°42	28°52	11°59	18°23	22°12	29°28	0°56	29°59	1°56	T 13
W14	8 2 21	1°35'00	3♓54	24°50	15°45	11°34	24°45	28°58	11°56	18°22	22°14	29°D27	0°52	0♏ 6	1°59	W14
T 15	8 6 17	2°35'54	17°53	26°30	16°52	11°38	24°48	29° 4	11°54	18°20	22°16	29°28	0°49	0°13	2° 3	T 15
F 16	8 10 14	3°36'48	1♈57	28°11	17°59	11°41	24°52	29°11	11°52	18°19	22°18	29°30	0°46	0°20	2° 6	F 16
S 17	8 14 10	4°37'39	16° 6	29°52	19° 6	11°46	24°54	29°17	11°49	18°18	22°20	29°31	0°43	0°27	2°10	S 17
S 18	8 18 7	5°38'29	0♉16	1♒34	20°13	11°51	24°57	29°23	11°47	18°17	22°22	29°R32	0°40	0°33	2°13	S 18
M19	8 22 3	6°39'18	14°26	3°17	21°21	11°57	25° 0	29°29	11°45	18°16	22°24	29°32	0°37	0°40	2°17	M19
T 20	8 26 0	7°40'05	28°34	5° 1	22°28	12° 3	25° 2	29°35	11°42	18°15	22°26	29°31	0°33	0°47	2°20	T 20
W21	8 29 56	8°40'51	12♊38	6°45	23°36	12°11	25° 4	29°41	11°40	18°14	22°28	29°29	0°30	0°53	2°24	W21
T 22	8 33 53	9°41'35	26°35	8°31	24°44	12°18	25° 7	29°47	11°38	18°13	22°30	29°26	0°27	1° 0	2°28	T 22
F 23	8 37 50	10°42'18	10♋23	10°17	25°52	12°27	25° 8	29°53	11°36	18°11	22°31	29°23	0°24	1° 7	2°31	F 23
S 24	8 41 46	11°42'59	23°58	12° 4	27° 0	12°36	25°10	29°59	11°33	18°10	22°33	29°21	0°21	1°13	2°35	S 24
S 25	8 45 43	12°43'38	7♌19	13°51	28° 9	12°46	25°12	0♑ 5	11°31	18° 9	22°35	29°19	0°18	1°20	2°39	S 25
M26	8 49 39	13°44'16	20°24	15°39	29°17	12°56	25°13	0°11	11°29	18° 8	22°37	29°18	0°14	1°27	2°42	M26
T 27	8 53 36	14°44'52	3♍13	17°29	0♑26	13° 7	25°14	0°16	11°27	18° 6	22°39	29°D17	0°11	1°34	2°46	T 27
W28	8 57 32	15°45'27	15°46	19°18	1°35	13°18	25°15	0°22	11°25	18° 5	22°41	29°18	0° 8	1°40	2°50	W28
T 29	9 1 29	16°46'01	28° 4	21° 9	2°44	13°30	25°16	0°28	11°23	18° 4	22°42	29°19	0° 5	1°47	2°53	T 29
F 30	9 5 26	17°46'33	10♎ 9	23° 0	3°53	13°42	25°16	0°33	11°21	18° 2	22°44	29°20	0° 2	1°54	2°57	F 30
S 31	9 9 22	18♒47'04	22♎ 6	24♒51	5♑ 2	13♊55	25♎17	0♑39	11♋19	18♍ 1	22♑46	29♒21	29♒58	2♏ 0	3♓ 1	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s16	2n12	1s48	24s25	0s57	17s17	3n22	25n30	3n12	8s 2	1n19	22s39	0n51	23n23	0n26	5n43	1n16	25s 5	3s22	11s30	10s58	15s 4	6s15	5n 9
F 2	22 8	3s31	2 47	24 28	1 3	17 31	3 20	25 29	3 12	8 4	1 19	22 40	0 51	23 23	0 26	5 44	1 16	25 5	3 22	11 30	10 59	15 7	6 14	5 9
S 3	21 59	9 1	3 37	24 29	1 9	17 44	3 18	25 28	3 12	8 6	1 20	22 40	0 51	23 23	0 26	5 44	1 17	25 5	3 23	11 29	11 0	15 10	6 13	5 8
S 4	21 49	14 9	4 18	24 29	1 14	17 58	3 16	25 27	3 11	8 7	1 20	22 40	0 51	23 24	0 26	5 44	1 17	25 5	3 23	11 29	11 1	15 13	6 12	5 8
M 5	21 40	18 47	4 48	24 27	1 20	18 11	3 14	25 26	3 11	8 9	1 20	22 40	0 51	23 24	0 26	5 45	1 17	25 4	3 23	11 30	11 2	15 16	6 11	5 8
T 6	21 29	22 43	5 6	24 24	1 25	18 24	3 12	25 25	3 10	8 11	1 20	22 40	0 51	23 24	0 26	5 45	1 17	25 4	3 23	11 31	11 3	15 19	6 11	5 8
W 7	21 19	25 44	5 11	24 20	1 30	18 37	3 10	25 24	3 10	8 12	1 21	22 40	0 51	23 24	0 26	5 45	1 17	25 4	3 23	11 33	11 4	15 22	6 10	5 8
T 8	21 8	27 36	5 1	24 14	1 34	18 49	3 8	25 23	3 9	8 14	1 21	22 40	0 51	23 25	0 26	5 46	1 17	25 4	3 23	11 35	11 6	15 24	6 9	5 7
F 9	20 56	28 7	4 37	24 7	1 38	19 1	3 5	25 22	3 9	8 15	1 21	22 41	0 51	23 25	0 26	5 46	1 17	25 3	3 23	11 37	11 7	15 27	6 8	5 7
S 10	20 44	27 7	3 58	23 58	1 42	19 13	3 3	25 21	3 8	8 16	1 21	22 41	0 51	23 25	0 26	5 46	1 17	25 3	3 23	11 39	11 8	15 30	6 7	5 7
S 11	20 32	24 37	3 6	23 48	1 46	19 24	3 0	25 21	3 7	8 18	1 21	22 41	0 51	23 25	0 26	5 47	1 17	25 3	3 23	11 41	11 9	15 33	6 6	5 7
M12	20 20	20 43	2 3	23 36	1 49	19 35	2 57	25 20	3 7	8 19	1 22	22 41	0 51	23 25	0 26	5 47	1 17	25 3	3 23	11 42	11 10	15 36	6 5	5 6
T 13	20 7	15 40	0 51	23 23	1 52	19 46	2 54	25 20	3 6	8 20	1 22	22 41	0 51	23 26	0 26	5 48	1 17	25 2	3 23	11 42	11 11	15 39	6 4	5 6
W14	19 53	9 44	0n24	23 8	1 55	19 56	2 51	25 19	3 5	8 21	1 22	22 41	0 51	23 26	0 26	5 48	1 17	25 2	3 24	11 43	11 12	15 41	6 3	5 6
T 15	19 39	3 17	1 39	22 52	1 58	20 5	2 48	25 19	3 5	8 22	1 22	22 41	0 51	23 26	0 26	5 49	1 17	25 2	3 24	11 42	11 14	15 44	6 2	5 6
F 16	19 25	3n22	2 49	22 34	2 0	20 15	2 45	25 19	3 4	8 23	1 23	22 41	0 51	23 26	0 26	5 49	1 17	25 2	3 24	11 42	11 15	15 47	6 1	5 6
S 17	19 11	9 52	3 49	22 14	2 1	20 23	2 42	25 19	3 3	8 24	1 23	22 41	0 51	23 27	0 26	5 49	1 17	25 2	3 24	11 41	11 16	15 50	5 59	5 6
S 18	18 56	15 53	4 35	21 53	2 3	20 32	2 39	25 19	3 2	8 25	1 23	22 41	0 51	23 27	0 26	5 50	1 17	25 1	3 24	11 41	11 17	15 53	5 58	5 5
M19	18 41	21 4	5 4	21 30	2 3	20 40	2 36	25 19	3 2	8 25	1 23	22 41	0 51	23 27	0 26	5 50	1 17	25 1	3 24	11 41	11 18	15 55	5 57	5 5
T 20	18 26	25 2	5 14	21 6	2 4	20 47	2 32	25 19	3 1	8 26	1 24	22 41	0 51	23 27	0 26	5 51	1 17	25 1	3 24	11 41	11 19	15 58	5 56	5 5
W21	18 10	27 28	5 6	20 39	2 4	20 54	2 29	25 19	3 0	8 27	1 24	22 41	0 51	23 27	0 26	5 51	1 17	25 1	3 24	11 42	11 20	16 1	5 55	5 5
T 22	17 54	28 9	4 40	20 12	2 4	21 0	2 26	25 19	2 59	8 27	1 24	22 41	0 51	23 28	0 26	5 52	1 17	25 0	3 24	11 43	11 21	16 4	5 54	5 5
F 23	17 37	27 5	3 58	19 42	2 3	21 6	2 22	25 19	2 58	8 28	1 24	22 41	0 51	23 28	0 26	5 52	1 17	25 0	3 24	11 44	11 23	16 7	5 53	5 5
S 24	17 20	24 24	3 3	19 11	2 1	21 12	2 19	25 20	2 57	8 28	1 24	22 41	0 51	23 28	0 26	5 53	1 17	25 0	3 25	11 45	11 24	16 9	5 52	5 4
S 25	17 3	20 25	1 58	18 39	2 0	21 16	2 15	25 20	2 57	8 28	1 25	22 41	0 51	23 28	0 26	5 53	1 17	25 0	3 25	11 46	11 25	16 12	5 50	5 4
M26	16 46	15 31	0 49	18 4	1 57	21 21	2 11	25 21	2 56	8 29	1 25	22 41	0 51	23 28	0 26	5 54	1 17	25 0	3 25	11 46	11 26	16 15	5 49	5 4
T 27	16 28	10 2	0s22	17 28	1 55	21 24	2 8	25 21	2 55	8 29	1 25	22 42	0 51	23 28	0 26	5 55	1 18	24 59	3 25	11 46	11 27	16 18	5 48	5 4
W28	16 11	4 15	1 30	16 51	1 51	21 28	2 4	25 22	2 54	8 29	1 25	22 42	0 51	23 29	0 26	5 55	1 18	24 59	3 25	11 46	11 28	16 20	5 47	5 4
T 29	15 52	1s33	2 33	16 12	1 47	21 30	2 0	25 22	2 53	8 29	1 26	22 41	0 51	23 29	0 26	5 56	1 18	24 59	3 25	11 45	11 29	16 23	5 46	5 4
F 30	15 34	7 13	3 27	15 31	1 43	21 32	1 56	25 23	2 52	8 29	1 26	22 41	0 51	23 29	0 26	5 56	1 18	24 59	3 25	11 45	11 30	16 26	5 44	5 4
S 31	15s15	12s32	4s12	14s49	1s38	21s34	1n52	25n24	2n51	8s29	1n26	22s41	0n51	23n29	0n26	5n57	1n18	24s59	3s25	11s45	11s32	16s29	5s43	5n 3

Julian Day Number = 2189308.5, Delta T = 10m52s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'37, Lahiri = 13°50'37 Julian Calendar 1 Jan. 1282 == Greg. Calendar 8 Jan. 1282

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ASTRODIENST EPHEMERIS for the year 1282
geocentric

FEBRUARY 1282 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 13 19	19♒47'33	3♏59	26♒43	6♑11	14♊ 9	25°R17	0♑44	11°R17	17°R59	22♑48	29♒22	29♒55	2♏ 7	3♓ 5	S 1
M 2	9 17 15	20°48'01	15°51	28°35	7°21	14°23	25♎17	0°49	11♋15	17♍58	22°49	29°R23	29°52	2°14	3° 9	M 2
T 3	9 21 12	21°48'28	27°48	0♓27	8°30	14°37	25°17	0°55	11°14	17°57	22°51	29°23	29°49	2°21	3°12	T 3
W 4	9 25 8	22°48'54	9♐53	2°19	9°40	14°52	25°16	1° 0	11°12	17°55	22°53	29°22	29°46	2°27	3°16	W 4
T 5	9 29 5	23°49'18	22°13	4°10	10°50	15° 8	25°16	1° 5	11°10	17°54	22°55	29°22	29°43	2°34	3°20	T 5
F 6	9 33 1	24°49'40	4♑50	6° 1	11°59	15°24	25°15	1°10	11° 8	17°52	22°56	29°21	29°39	2°41	3°24	F 6
S 7	9 36 58	25°50'01	17°47	7°52	13° 9	15°40	25°14	1°15	11° 7	17°51	22°58	29°21	29°36	2°47	3°28	S 7
S 8	9 40 55	26°50'21	1♒ 6	9°41	14°19	15°57	25°13	1°20	11° 5	17°49	23° 0	29°20	29°33	2°54	3°32	S 8
M 9	9 44 51	27°50'39	14°47	11°28	15°29	16°14	25°11	1°25	11° 4	17°48	23° 1	29°20	29°30	3° 1	3°35	M 9
T 10	9 48 48	28°50'55	28°47	13°13	16°40	16°32	25°10	1°30	11° 2	17°46	23° 3	29°20	29°27	3° 7	3°39	T 10
W11	9 52 44	29°51'09	13♓ 4	14°56	17°50	16°50	25° 8	1°35	11° 1	17°45	23° 5	29°20	29°24	3°14	3°43	W11
T 12	9 56 41	0♓51'21	27°32	16°36	19° 0	17° 8	25° 6	1°40	10°59	17°43	23° 6	29°20	29°20	3°21	3°47	T 12
F 13	10 0 37	1°51'31	12♈ 5	18°12	20°11	17°27	25° 4	1°44	10°58	17°41	23° 8	29°20	29°17	3°28	3°51	F 13
S 14	10 4 34	2°51'39	26°38	19°44	21°21	17°47	25° 2	1°49	10°56	17°40	23° 9	29°19	29°14	3°34	3°55	S 14
S 15	10 8 30	3°51'45	11♉ 6	21°11	22°32	18° 6	24°59	1°53	10°55	17°38	23°11	29°19	29°11	3°41	3°59	S 15
M16	10 12 27	4°51'49	25°24	22°33	23°42	18°26	24°57	1°58	10°54	17°37	23°13	29°19	29° 8	3°48	4° 3	M16
T 17	10 16 23	5°51'51	9♊29	23°50	24°53	18°47	24°54	2° 2	10°53	17°35	23°14	29°D19	29° 4	3°54	4° 6	T 17
W18	10 20 20	6°51'51	23°21	25° 0	26° 4	19° 7	24°51	2° 6	10°52	17°33	23°16	29°19	29° 1	4° 1	4°10	W18
T 19	10 24 17	7°51'48	6♋58	26° 3	27°15	19°28	24°48	2°10	10°51	17°32	23°17	29°20	28°58	4° 8	4°14	T 19
F 20	10 28 13	8°51'43	20°21	26°59	28°25	19°50	24°44	2°15	10°49	17°30	23°18	29°20	28°55	4°15	4°18	F 20
S 21	10 32 10	9°51'36	3♌31	27°47	29°36	20°11	24°41	2°19	10°48	17°29	23°20	29°21	28°52	4°21	4°22	S 21
S 22	10 36 6	10°51'27	16°26	28°27	0♒47	20°33	24°37	2°23	10°48	17°27	23°21	29°22	28°49	4°28	4°26	S 22
M23	10 40 3	11°51'15	29°10	28°59	1°58	20°56	24°33	2°26	10°47	17°25	23°23	29°R22	28°45	4°35	4°30	M23
T 24	10 43 59	12°51'02	11♍41	29°22	3° 9	21°18	24°29	2°30	10°46	17°24	23°24	29°22	28°42	4°41	4°33	T 24
W25	10 47 56	13°50'46	24° 1	29°37	4°21	21°41	24°25	2°34	10°45	17°22	23°26	29°21	28°39	4°48	4°37	W25
T 26	10 51 52	14°50'28	6♎12	29°R43	5°32	22° 5	24°21	2°38	10°44	17°20	23°27	29°19	28°36	4°55	4°41	T 26
F 27	10 55 49	15°50'09	18°14	29°41	6°43	22°28	24°16	2°41	10°44	17°19	23°28	29°17	28°33	5° 2	4°45	F 27
S 28	10 59 46	16♓49'47	0♏ 9	29♓31	7♒54	22♊52	24♎12	2♑45	10♋43	17♍17	23♑29	29♒14	28♒30	5♏ 8	4♓49	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s56	17s23	4s46	14s 6	1s32	21s35	1n49	25n25	2n50	8s29	1n26	22s41	0n51	23n29	0n26	5n57	1n18	24s59	3s26	11s44	11s33	16s31	5s42	5n 3
M 2	14 37	21 33	5 8	13 21	1 25	21 35	1 45	25 25	2 49	8 28	1 27	22 41	0 50	23 29	0 26	5 58	1 18	24 58	3 26	11 44	11 34	16 34	5 41	5 3
T 3	14 18	24 53	5 17	12 35	1 18	21 35	1 41	25 26	2 49	8 28	1 27	22 41	0 50	23 30	0 26	5 59	1 18	24 58	3 26	11 44	11 35	16 37	5 39	5 3
W 4	13 58	27 9	5 12	11 47	1 11	21 34	1 37	25 27	2 48	8 28	1 27	22 41	0 50	23 30	0 26	5 59	1 18	24 58	3 26	11 44	11 36	16 40	5 38	5 3
T 5	13 38	28 10	4 52	10 59	1 2	21 33	1 33	25 28	2 47	8 27	1 27	22 41	0 50	23 30	0 26	6 0	1 18	24 58	3 26	11 44	11 37	16 42	5 37	5 3
F 6	13 18	27 45	4 18	10 10	0 53	21 31	1 29	25 29	2 46	8 27	1 27	22 41	0 50	23 30	0 26	6 0	1 18	24 58	3 26	11 45	11 38	16 45	5 36	5 3
S 7	12 58	25 50	3 31	9 20	0 44	21 28	1 25	25 30	2 45	8 26	1 28	22 41	0 50	23 30	0 26	6 1	1 18	24 58	3 26	11 45	11 39	16 48	5 34	5 3
S 8	12 37	22 26	2 30	8 29	0 33	21 25	1 21	25 31	2 44	8 26	1 28	22 41	0 50	23 30	0 26	6 2	1 18	24 57	3 26	11 45	11 40	16 51	5 33	5 3
M 9	12 16	17 44	1 20	7 38	0 22	21 21	1 17	25 31	2 43	8 25	1 28	22 41	0 50	23 30	0 26	6 2	1 18	24 57	3 27	11 45	11 42	16 53	5 32	5 3
T 10	11 55	11 59	0 3	6 47	0 11	21 17	1 13	25 32	2 42	8 24	1 28	22 41	0 50	23 30	0 26	6 3	1 18	24 57	3 27	11 45	11 43	16 56	5 30	5 2
W11	11 34	5 31	1n15	5 56	0n 1	21 12	1 9	25 33	2 41	8 23	1 29	22 41	0 50	23 31	0 26	6 3	1 18	24 57	3 27	11 45	11 44	16 59	5 29	5 2
T 12	11 13	1n19	2 30	5 6	0 14	21 6	1 5	25 34	2 40	8 23	1 29	22 41	0 50	23 31	0 26	6 4	1 18	24 57	3 27	11 45	11 45	17 1	5 28	5 2
F 13	10 51	8 6	3 36	4 16	0 27	21 0	1 1	25 35	2 40	8 22	1 29	22 41	0 50	23 31	0 26	6 5	1 18	24 57	3 27	11 45	11 46	17 4	5 26	5 2
S 14	10 30	14 27	4 27	3 28	0 40	20 53	0 57	25 36	2 39	8 21	1 29	22 41	0 50	23 31	0 26	6 5	1 18	24 57	3 27	11 45	11 47	17 7	5 25	5 2
S 15	10 8	19 59	5 1	2 41	0 54	20 46	0 53	25 37	2 38	8 19	1 29	22 41	0 50	23 31	0 26	6 6	1 18	24 56	3 27	11 45	11 48	17 9	5 24	5 2
M16	9 46	24 18	5 16	1 55	1 8	20 38	0 49	25 38	2 37	8 18	1 30	22 41	0 50	23 31	0 26	6 7	1 18	24 56	3 28	11 46	11 49	17 12	5 22	5 2
T 17	9 24	27 6	5 12	1 12	1 22	20 29	0 46	25 39	2 36	8 17	1 30	22 41	0 50	23 31	0 26	6 7	1 18	24 56	3 28	11 46	11 51	17 15	5 21	5 2
W18	9 2	28 11	4 50	0 31	1 36	20 20	0 42	25 40	2 35	8 16	1 30	22 41	0 50	23 31	0 26	6 8	1 18	24 56	3 28	11 45	11 52	17 17	5 20	5 2
T 19	8 39	27 32	4 11	0n 6	1 50	20 11	0 38	25 41	2 34	8 14	1 30	22 41	0 50	23 31	0 26	6 9	1 18	24 56	3 28	11 45	11 53	17 20	5 18	5 2
F 20	8 17	25 16	3 20	0 41	2 4	20 0	0 34	25 41	2 33	8 13	1 30	22 41	0 50	23 31	0 26	6 9	1 18	24 56	3 28	11 45	11 54	17 23	5 17	5 2
S 21	7 54	21 41	2 18	1 13	2 17	19 50	0 30	25 42	2 32	8 12	1 31	22 40	0 50	23 31	0 26	6 10	1 18	24 56	3 28	11 45	11 55	17 25	5 16	5 2
S 22	7 31	17 6	1 11	1 40	2 30	19 38	0 26	25 43	2 32	8 10	1 31	22 40	0 50	23 32	0 26	6 11	1 18	24 56	3 28	11 44	11 56	17 28	5 14	5 2
M23	7 9	11 50	0 1	2 4	2 42	19 26	0 22	25 44	2 31	8 8	1 31	22 40	0 50	23 32	0 26	6 11	1 18	24 56	3 29	11 44	11 57	17 31	5 13	5 2
T 24	6 46	6 10	1s 8	2 23	2 53	19 14	0 19	25 44	2 30	8 7	1 31	22 40	0 50	23 32	0 26	6 12	1 18	24 55	3 29	11 44	11 58	17 33	5 11	5 2
W25	6 23	0 22	2 12	2 39	3 3	19 0	0 15	25 45	2 29	8 5	1 31	22 40	0 50	23 32	0 26	6 13	1 18	24 55	3 29	11 45	11 59	17 36	5 10	5 2
T 26	6 0	5s22	3 10	2 49	3 12	18 47	0 11	25 46	2 28	8 3	1 32	22 40	0 50	23 32	0 26	6 13	1 18	24 55	3 29	11 45	12 1	17 39	5 9	5 2
F 27	5 36	10 50	3 58	2 56	3 20	18 33	0 8	25 46	2 27	8 2	1 32	22 40	0 50	23 32	0 26	6 14	1 18	24 55	3 29	11 46	12 2	17 41	5 7	5 2
S 28	5s13	15s52	4s35	2n57	3n26	18s18	0n 4	25n47	2n26	8s 0	1n32	22s40	0n50	23n32	0n26	6n15	1n18	24s55	3s29	11s47	12s 3	17s44	5s 6	5n 2

Julian Day Number = 2189339.5, Delta T = 10m52s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'41, Lahiri = 13°50'42 Julian Calendar 1 Feb. 1282 == Greg. Calendar 8 Feb. 1282

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ASTRODIENST EPHEMERIS for the year 1282
geocentric

MARCH 1282 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 3 42	17♓49'24	12♏ 2	29°R13	9♒ 6	23♊16	24°R 7	2♑48	10°R42	17°R15	23♑31	29°R11	28♒26	5♏15	4♓53	S 1
M 2	11 7 39	18°48'59	23°54	28♓47	10°17	23°40	24♎ 2	2°51	10♋42	17♍14	23°32	29♒ 9	28°23	5°22	4°56	M 2
T 3	11 11 35	19°48'32	5♐50	28°15	11°29	24° 5	23°57	2°54	10°41	17°12	23°33	29° 7	28°20	5°28	5° 0	T 3
W 4	11 15 32	20°48'04	17°53	27°37	12°40	24°29	23°51	2°58	10°41	17°10	23°34	29°D 6	28°17	5°35	5° 4	W 4
T 5	11 19 28	21°47'33	0♑10	26°55	13°52	24°54	23°46	3° 1	10°41	17° 9	23°36	29° 6	28°14	5°42	5° 8	T 5
F 6	11 23 25	22°47'01	12°43	26° 8	15° 3	25°20	23°40	3° 4	10°40	17° 7	23°37	29° 7	28°10	5°49	5°11	F 6
S 7	11 27 21	23°46'27	25°38	25°18	16°15	25°45	23°35	3° 6	10°40	17° 5	23°38	29° 9	28° 7	5°55	5°15	S 7
S 8	11 31 18	24°45'52	8♒57	24°27	17°26	26°11	23°29	3° 9	10°40	17° 4	23°39	29°11	28° 4	6° 2	5°19	S 8
M 9	11 35 15	25°45'14	22°42	23°34	18°38	26°37	23°23	3°12	10°40	17° 2	23°40	29°R12	28° 1	6° 9	5°22	M 9
T 10	11 39 11	26°44'34	6♓53	22°42	19°50	27° 3	23°17	3°14	10°39	17° 0	23°41	29°11	27°58	6°15	5°26	T 10
W11	11 43 8	27°43'52	21°26	21°52	21° 2	27°29	23°11	3°17	10°39	16°59	23°42	29°10	27°55	6°22	5°30	W11
T 12	11 47 4	28°43'09	6♈17	21° 4	22°14	27°56	23° 4	3°19	10°D39	16°57	23°43	29° 7	27°51	6°29	5°33	T 12
F 13	11 51 1	29°42'23	21°17	20°18	23°25	28°23	22°58	3°22	10°39	16°56	23°44	29° 3	27°48	6°36	5°37	F 13
S 14	11 54 57	0♈41'35	6♉16	19°37	24°37	28°50	22°51	3°24	10°40	16°54	23°45	28°59	27°45	6°42	5°41	S 14
S 15	11 58 54	1°40'45	21° 7	19° 0	25°49	29°17	22°45	3°26	10°40	16°52	23°46	28°54	27°42	6°49	5°44	S 15
M16	12 2 50	2°39'52	5♊43	18°27	27° 1	29°44	22°38	3°28	10°40	16°51	23°47	28°51	27°39	6°56	5°48	M16
T 17	12 6 47	3°38'57	19°58	18° 0	28°13	0♋12	22°31	3°30	10°40	16°49	23°48	28°48	27°35	7° 2	5°51	T 17
W18	12 10 44	4°38'00	3♋50	17°38	29°25	0°39	22°24	3°32	10°41	16°48	23°49	28°D47	27°32	7° 9	5°55	W18
T 19	12 14 40	5°37'01	17°21	17°22	0♌37	1° 7	22°17	3°33	10°41	16°46	23°50	28°48	27°29	7°16	5°58	T 19
F 20	12 18 37	6°35'59	0♌31	17°11	1°49	1°36	22°10	3°35	10°41	16°44	23°51	28°49	27°26	7°23	6° 2	F 20
S 21	12 22 33	7°34'55	13°23	17°D 6	3° 1	2° 4	22° 3	3°37	10°42	16°43	23°51	28°51	27°23	7°29	6° 5	S 21
S 22	12 26 30	8°33'48	26° 0	17° 6	4°13	2°32	21°56	3°38	10°42	16°41	23°52	28°R52	27°20	7°36	6° 9	S 22
M23	12 30 26	9°32'39	8♍25	17°11	5°25	3° 1	21°48	3°39	10°43	16°40	23°53	28°51	27°16	7°43	6°12	M23
T 24	12 34 23	10°31'28	20°41	17°22	6°37	3°30	21°41	3°41	10°44	16°38	23°54	28°49	27°13	7°49	6°15	T 24
W25	12 38 19	11°30'15	2♎48	17°37	7°49	3°58	21°34	3°42	10°44	16°37	23°54	28°45	27°10	7°56	6°19	W25
T 26	12 42 16	12°28'59	14°49	17°58	9° 2	4°28	21°26	3°43	10°45	16°35	23°55	28°38	27° 7	8° 3	6°22	T 26
F 27	12 46 13	13°27'42	26°46	18°23	10°14	4°57	21°19	3°44	10°46	16°34	23°55	28°30	27° 4	8°10	6°25	F 27
S 28	12 50 9	14°26'23	8♏39	18°52	11°26	5°26	21°11	3°45	10°47	16°33	23°56	28°22	27° 1	8°16	6°28	S 28
S 29	12 54 6	15°25'02	20°31	19°26	12°38	5°56	21° 4	3°46	10°48	16°31	23°57	28°13	26°57	8°23	6°32	S 29
M30	12 58 2	16°23'39	2♐24	20° 3	13°50	6°25	20°56	3°46	10°49	16°30	23°57	28° 5	26°54	8°30	6°35	M30
T 31	13 1 59	17♈22'14	14♐21	20♓45	15♓ 3	6♋55	20♎48	3♑47	10♋50	16♍28	23♑58	27♒58	26♒51	8♏36	6♓38	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s50	20s16	5s 1	2n54	3n31	18s 3	0n 0	25n47	2n25	7s58	1n32	22s40	0n50	23n32	0n26	6n15	1n18	24s55	3s30	11s48	12s 4	17s47	5s 5	5n 2
M 2	4 27	23 53	5 14	2 47	3 34	17 47	0s 3	25 47	2 25	7 56	1 32	22 40	0 50	23 32	0 26	6 16	1 18	24 55	3 30	11 49	12 5	17 49	5 3	5 2
T 3	4 3	26 29	5 13	2 35	3 35	17 31	0 7	25 48	2 24	7 54	1 32	22 40	0 50	23 32	0 26	6 17	1 18	24 55	3 30	11 50	12 6	17 52	5 2	5 2
W 4	3 40	27 56	4 58	2 20	3 35	17 14	0 10	25 48	2 23	7 52	1 33	22 40	0 51	23 32	0 26	6 17	1 18	24 55	3 30	11 50	12 7	17 54	5 0	5 2
T 5	3 16	28 2	4 30	2 1	3 32	16 57	0 13	25 48	2 22	7 49	1 33	22 40	0 51	23 32	0 26	6 18	1 18	24 55	3 30	11 50	12 8	17 57	4 59	5 2
F 6	2 53	26 43	3 48	1 38	3 28	16 39	0 17	25 48	2 21	7 47	1 33	22 39	0 51	23 32	0 26	6 19	1 18	24 55	3 30	11 49	12 9	18 0	4 58	5 2
S 7	2 29	23 57	2 54	1 13	3 22	16 21	0 20	25 48	2 20	7 45	1 33	22 39	0 51	23 32	0 26	6 19	1 18	24 55	3 31	11 49	12 10	18 2	4 56	5 2
S 8	2 5	19 51	1 49	0 45	3 14	16 2	0 23	25 48	2 20	7 43	1 33	22 39	0 51	23 32	0 26	6 20	1 18	24 55	3 31	11 48	12 12	18 5	4 55	5 2
M 9	1 42	14 34	0 36	0 16	3 5	15 43	0 27	25 48	2 19	7 40	1 33	22 39	0 51	23 32	0 26	6 20	1 18	24 55	3 31	11 48	12 13	18 7	4 53	5 2
T 10	1 18	8 22	0n42	0s15	2 54	15 24	0 30	25 48	2 18	7 38	1 33	22 39	0 51	23 32	0 26	6 21	1 18	24 55	3 31	11 48	12 14	18 10	4 52	5 2
W11	0 54	1 35	1 59	0 46	2 41	15 4	0 33	25 48	2 17	7 36	1 33	22 39	0 51	23 32	0 26	6 22	1 18	24 55	3 31	11 49	12 15	18 13	4 51	5 2
T 12	0 31	5n24	3 9	1 17	2 28	14 43	0 36	25 47	2 16	7 33	1 34	22 39	0 51	23 32	0 26	6 22	1 18	24 55	3 31	11 50	12 16	18 15	4 49	5 2
F 13	0 7	12 9	4 7	1 48	2 14	14 23	0 39	25 47	2 16	7 31	1 34	22 39	0 51	23 32	0 26	6 23	1 18	24 55	3 32	11 51	12 17	18 18	4 48	5 2
S 14	0n17	18 11	4 48	2 18	1 59	14 1	0 42	25 47	2 15	7 28	1 34	22 39	0 51	23 32	0 26	6 24	1 18	24 55	3 32	11 53	12 18	18 20	4 47	5 2
S 15	0 40	23 4	5 9	2 47	1 44	13 40	0 45	25 46	2 14	7 26	1 34	22 39	0 51	23 32	0 26	6 24	1 18	24 55	3 32	11 54	12 19	18 23	4 45	5 3
M16	1 4	26 25	5 10	3 14	1 28	13 18	0 47	25 45	2 13	7 23	1 34	22 39	0 51	23 32	0 26	6 25	1 18	24 55	3 32	11 55	12 20	18 25	4 44	5 3
T 17	1 27	27 59	4 51	3 39	1 12	12 55	0 50	25 44	2 12	7 21	1 34	22 39	0 51	23 32	0 26	6 25	1 18	24 55	3 32	11 56	12 21	18 28	4 42	5 3
W18	1 51	27 44	4 16	4 2	0 56	12 33	0 53	25 44	2 12	7 18	1 34	22 39	0 51	23 32	0 26	6 26	1 18	24 55	3 32	11 56	12 23	18 30	4 41	5 3
T 19	2 14	25 49	3 27	4 23	0 41	12 10	0 55	25 43	2 11	7 15	1 34	22 39	0 51	23 32	0 26	6 27	1 18	24 55	3 33	11 56	12 24	18 33	4 40	5 3
F 20	2 38	22 32	2 28	4 42	0 25	11 46	0 58	25 42	2 10	7 13	1 34	22 39	0 51	23 32	0 26	6 27	1 18	24 55	3 33	11 56	12 25	18 35	4 38	5 3
S 21	3 1	18 12	1 23	4 58	0 10	11 23	1 0	25 40	2 9	7 10	1 34	22 38	0 51	23 32	0 26	6 28	1 18	24 55	3 33	11 55	12 26	18 38	4 37	5 3
S 22	3 25	13 9	0 16	5 11	0s 5	10 59	1 3	25 39	2 9	7 7	1 34	22 38	0 51	23 32	0 26	6 28	1 18	24 55	3 33	11 55	12 27	18 40	4 36	5 3
M23	3 48	7 39	0s52	5 22	0 19	10 34	1 5	25 38	2 8	7 4	1 34	22 38	0 51	23 31	0 26	6 29	1 18	24 55	3 33	11 55	12 28	18 43	4 34	5 3
T 24	4 11	1 56	1 55	5 31	0 33	10 10	1 7	25 36	2 7	7 2	1 34	22 38	0 51	23 31	0 26	6 30	1 18	24 55	3 34	11 56	12 29	18 45	4 33	5 3
W25	4 34	3s46	2 53	5 37	0 46	9 45	1 10	25 35	2 6	6 59	1 34	22 38	0 51	23 31	0 26	6 30	1 18	24 55	3 34	11 57	12 30	18 48	4 32	5 4
T 26	4 57	9 17	3 43	5 40	0 58	9 19	1 12	25 33	2 5	6 56	1 34	22 38	0 51	23 31	0 26	6 31	1 18	24 55	3 34	12 0	12 31	18 50	4 30	5 4
F 27	5 20	14 25	4 22	5 41	1 10	8 54	1 14	25 31	2 5	6 53	1 34	22 38	0 51	23 31	0 26	6 31	1 18	24 55	3 34	12 2	12 32	18 53	4 29	5 4
S 28	5 43	19 0	4 49	5 40	1 21	8 28	1 16	25 29	2 4	6 50	1 35	22 38	0 51	23 31	0 25	6 32	1 18	24 55	3 34	12 5	12 33	18 55	4 28	5 4
S 29	6 6	22 50	5 4	5 36	1 32	8 2	1 18	25 27	2 3	6 47	1 35	22 38	0 51	23 31	0 25	6 32	1 18	24 55	3 34	12 9	12 35	18 58	4 27	5 4
M30	6 28	25 43	5 6	5 31	1 42	7 36	1 19	25 25	2 3	6 45	1 35	22 38	0 51	23 31	0 25	6 33	1 18	24 55	3 35	12 11	12 36	19 0	4 25	5 4
T 31	6n51	27s29	4s55	5s23	1s51	7s10	1s21	25n23	2n 2	6s42	1n34	22s38	0n51	23n31	0n25	6n33	1n18	24s56	3s35	12s14	12s37	19s 3	4s24	5n 4

Julian Day Number = 2189367.5, Delta T = 10m52s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'45, Lahiri = 13°50'46 Julian Calendar 1 March 1282 == Greg. Calendar 8 March 1282

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ASTRODIENST EPHEMERIS for the year 1282
geocentric

APRIL 1282 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 5 55	18♈20'48	26♐24	21♓30	16♓15	7♋25	20°R41	3♑47	10♋51	16°R27	23♑58	27°R53	26♒48	8♏43	6♓41	W 1
T 2	13 9 52	19°19'20	8♑38	22°18	17°27	7°55	20♎33	3°48	10°52	16♍26	23°59	27♒51	26°45	8°50	6°44	T 2
F 3	13 13 48	20°17'51	21° 8	23°10	18°40	8°25	20°25	3°48	10°53	16°24	23°59	27°D50	26°41	8°57	6°47	F 3
S 4	13 17 45	21°16'19	3♒57	24° 5	19°52	8°55	20°18	3°48	10°54	16°23	23°59	27°51	26°38	9° 3	6°50	S 4
S 5	13 21 42	22°14'46	17°10	25° 3	21° 4	9°26	20°10	3°R48	10°55	16°22	24° 0	27°52	26°35	9°10	6°53	S 5
M 6	13 25 38	23°13'12	0♓50	26° 4	22°17	9°56	20° 2	3°48	10°57	16°21	24° 0	27°R52	26°32	9°17	6°56	M 6
T 7	13 29 35	24°11'35	14°58	27° 8	23°29	10°27	19°55	3°48	10°58	16°19	24° 1	27°51	26°29	9°23	6°59	T 7
W 8	13 33 31	25° 9'57	29°34	28°14	24°42	10°58	19°47	3°48	11° 0	16°18	24° 1	27°47	26°26	9°30	7° 2	W 8
T 9	13 37 28	26° 8'17	14♈32	29°23	25°54	11°29	19°39	3°48	11° 1	16°17	24° 1	27°42	26°22	9°37	7° 5	T 9
F 10	13 41 24	27° 6'36	29°45	0♈34	27° 7	12° 0	19°32	3°47	11° 3	16°16	24° 1	27°34	26°19	9°44	7° 7	F 10
S 11	13 45 21	28° 4'53	15♉ 2	1°48	28°19	12°31	19°24	3°47	11° 4	16°15	24° 2	27°25	26°16	9°50	7°10	S 11
S 12	13 49 17	29° 3'08	0♊12	3° 4	29°31	13° 2	19°17	3°46	11° 6	16°13	24° 2	27°16	26°13	9°57	7°13	S 12
M13	13 53 14	0♉ 1'21	15° 5	4°23	0♈44	13°33	19° 9	3°45	11° 7	16°12	24° 2	27° 8	26°10	10° 4	7°15	M13
T 14	13 57 11	0°59'32	29°34	5°43	1°56	14° 5	19° 2	3°45	11° 9	16°11	24° 2	27° 2	26° 7	10°10	7°18	T 14
W15	14 1 7	1°57'41	13♋36	7° 6	3° 9	14°36	18°55	3°44	11°11	16°10	24° 2	26°59	26° 3	10°17	7°21	W15
T 16	14 5 4	2°55'48	27°10	8°31	4°22	15° 8	18°47	3°43	11°13	16° 9	24° 2	26°57	26° 0	10°24	7°23	T 16
F 17	14 9 0	3°53'53	10♌18	9°58	5°34	15°40	18°40	3°42	11°14	16° 8	24° 2	26°D57	25°57	10°31	7°26	F 17
S 18	14 12 57	4°51'56	23° 4	11°27	6°47	16°12	18°33	3°41	11°16	16° 7	24°R 2	26°R57	25°54	10°37	7°28	S 18
S 19	14 16 53	5°49'56	5♍32	12°58	7°59	16°44	18°26	3°39	11°18	16° 6	24° 2	26°57	25°51	10°44	7°31	S 19
M20	14 20 50	6°47'55	17°47	14°31	9°12	17°16	18°19	3°38	11°20	16° 5	24° 2	26°55	25°47	10°51	7°33	M20
T 21	14 24 46	7°45'53	29°51	16° 6	10°24	17°48	18°12	3°36	11°22	16° 4	24° 2	26°51	25°44	10°57	7°35	T 21
W22	14 28 43	8°43'48	11♎50	17°44	11°37	18°20	18° 5	3°35	11°24	16° 3	24° 2	26°44	25°41	11° 4	7°38	W22
T 23	14 32 39	9°41'42	23°44	19°23	12°49	18°52	17°58	3°33	11°26	16° 3	24° 2	26°34	25°38	11°11	7°40	T 23
F 24	14 36 36	10°39'34	5♏37	21° 4	14° 2	19°25	17°52	3°32	11°29	16° 2	24° 2	26°22	25°35	11°18	7°42	F 24
S 25	14 40 33	11°37'24	17°29	22°47	15°15	19°57	17°45	3°30	11°31	16° 1	24° 1	26° 9	25°32	11°24	7°44	S 25
S 26	14 44 29	12°35'13	29°23	24°32	16°27	20°30	17°39	3°28	11°33	16° 0	24° 1	25°56	25°28	11°31	7°46	S 26
M27	14 48 26	13°33'01	11♐19	26°20	17°40	21° 3	17°32	3°26	11°35	16° 0	24° 1	25°43	25°25	11°38	7°48	M27
T 28	14 52 22	14°30'47	23°20	28° 9	18°53	21°35	17°26	3°24	11°38	15°59	24° 1	25°32	25°22	11°45	7°50	T 28
W29	14 56 19	15°28'33	5♑27	0♉ 0	20° 5	22° 8	17°20	3°22	11°40	15°58	24° 0	25°24	25°19	11°51	7°52	W29
T 30	15 0 15	16♉26'16	17♑44	1♉53	21♈18	22♋41	17♎14	3♑20	11♋42	15♍58	24♑ 0	25♒19	25♒16	11♏58	7♓54	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n13	27s59	4s30	5s13	1s59	6s43	1s23	25n20	2n 1	6s39	1n34	22s38	0n51	23n31	0n25	6n34	1n18	24s56	3s35	12s15	12s38	19s 5	4s23	5n 4
T 2	7 36	27 8	3 53	5 1	2 7	6 16	1 24	25 18	2 0	6 36	1 34	22 38	0 51	23 31	0 25	6 35	1 18	24 56	3 35	12 16	12 39	19 8	4 22	5 5
F 3	7 58	24 54	3 4	4 46	2 14	5 49	1 26	25 15	2 0	6 33	1 34	22 38	0 51	23 31	0 25	6 35	1 18	24 56	3 35	12 16	12 40	19 10	4 20	5 5
S 4	8 20	21 22	2 5	4 31	2 21	5 22	1 27	25 13	1 59	6 30	1 34	22 38	0 51	23 30	0 25	6 36	1 18	24 56	3 36	12 16	12 41	19 13	4 19	5 5
S 5	8 42	16 40	0 57	4 13	2 26	4 55	1 29	25 10	1 58	6 27	1 34	22 38	0 51	23 30	0 25	6 36	1 18	24 56	3 36	12 16	12 42	19 15	4 18	5 5
M 6	9 3	10 59	0n16	3 53	2 32	4 27	1 30	25 7	1 57	6 25	1 34	22 38	0 51	23 30	0 25	6 36	1 18	24 56	3 36	12 16	12 43	19 18	4 17	5 5
T 7	9 25	4 33	1 30	3 32	2 36	3 59	1 31	25 4	1 57	6 22	1 34	22 38	0 51	23 30	0 25	6 37	1 18	24 56	3 36	12 16	12 44	19 20	4 15	5 5
W 8	9 47	2n17	2 41	3 9	2 40	3 32	1 32	25 0	1 56	6 19	1 34	22 38	0 51	23 30	0 25	6 37	1 18	24 56	3 36	12 17	12 45	19 23	4 14	5 5
T 9	10 8	9 10	3 43	2 44	2 43	3 4	1 33	24 57	1 55	6 16	1 34	22 38	0 51	23 30	0 25	6 38	1 18	24 57	3 37	12 19	12 47	19 25	4 13	5 6
F 10	10 29	15 37	4 29	2 18	2 46	2 36	1 34	24 54	1 55	6 13	1 34	22 38	0 51	23 30	0 25	6 38	1 18	24 57	3 37	12 22	12 48	19 27	4 12	5 6
S 11	10 50	21 8	4 57	1 51	2 48	2 8	1 35	24 50	1 54	6 10	1 34	22 38	0 51	23 29	0 25	6 39	1 18	24 57	3 37	12 25	12 49	19 30	4 11	5 6
S 12	11 11	25 13	5 3	1 22	2 49	1 40	1 36	24 46	1 53	6 8	1 34	22 38	0 51	23 29	0 25	6 39	1 18	24 57	3 37	12 28	12 50	19 32	4 9	5 6
M13	11 31	27 29	4 49	0 51	2 50	1 11	1 37	24 42	1 52	6 5	1 34	22 38	0 51	23 29	0 25	6 40	1 18	24 57	3 37	12 31	12 51	19 35	4 8	5 6
T 14	11 52	27 49	4 17	0 19	2 50	0 43	1 38	24 38	1 52	6 2	1 34	22 38	0 51	23 29	0 25	6 40	1 18	24 57	3 37	12 33	12 52	19 37	4 7	5 6
W15	12 12	26 19	3 29	0n14	2 50	0 15	1 38	24 34	1 51	6 0	1 34	22 38	0 51	23 29	0 25	6 40	1 18	24 58	3 38	12 34	12 53	19 39	4 6	5 7
T 16	12 32	23 17	2 32	0 48	2 49	0n14	1 39	24 30	1 50	5 57	1 33	22 38	0 51	23 29	0 25	6 41	1 18	24 58	3 38	12 35	12 54	19 42	4 5	5 7
F 17	12 52	19 8	1 28	1 24	2 47	0 42	1 39	24 26	1 50	5 54	1 33	22 38	0 51	23 29	0 25	6 41	1 18	24 58	3 38	12 35	12 55	19 44	4 4	5 7
S 18	13 12	14 13	0 21	2 1	2 45	1 11	1 39	24 21	1 49	5 52	1 33	22 38	0 51	23 28	0 25	6 41	1 18	24 58	3 38	12 35	12 56	19 47	4 3	5 7
S 19	13 31	8 49	0s45	2 39	2 43	1 39	1 40	24 16	1 48	5 49	1 33	22 38	0 51	23 28	0 25	6 42	1 18	24 58	3 38	12 35	12 57	19 49	4 2	5 7
M20	13 50	3 11	1 48	3 18	2 39	2 8	1 40	24 12	1 48	5 47	1 33	22 38	0 51	23 28	0 25	6 42	1 18	24 58	3 39	12 35	12 58	19 51	4 1	5 8
T 21	14 9	2s28	2 45	3 58	2 36	2 36	1 40	24 7	1 47	5 44	1 33	22 38	0 51	23 28	0 25	6 42	1 18	24 59	3 39	12 37	12 59	19 54	4 0	5 8
W22	14 28	7 59	3 34	4 39	2 31	3 4	1 40	24 2	1 46	5 42	1 33	22 38	0 51	23 28	0 25	6 43	1 18	24 59	3 39	12 39	13 1	19 56	3 59	5 8
T 23	14 47	13 10	4 13	5 21	2 26	3 33	1 40	23 57	1 46	5 39	1 33	22 38	0 51	23 27	0 25	6 43	1 18	24 59	3 39	12 43	13 2	19 58	3 58	5 8
F 24	15 5	17 51	4 41	6 5	2 21	4 1	1 40	23 51	1 45	5 37	1 32	22 38	0 51	23 27	0 25	6 43	1 18	24 59	3 39	12 47	13 3	20 1	3 57	5 8
S 25	15 23	21 52	4 57	6 48	2 15	4 29	1 40	23 46	1 44	5 34	1 32	22 39	0 51	23 27	0 25	6 44	1 18	24 59	3 40	12 51	13 4	20 3	3 56	5 9
S 26	15 41	24 58	5 0	7 33	2 9	4 58	1 40	23 40	1 44	5 32	1 32	22 39	0 51	23 27	0 25	6 44	1 18	25 0	3 40	12 56	13 5	20 5	3 55	5 9
M27	15 58	27 0	4 49	8 19	2 2	5 26	1 39	23 35	1 43	5 30	1 32	22 39	0 51	23 27	0 25	6 44	1 18	25 0	3 40	13 0	13 6	20 8	3 54	5 9
T 28	16 15	27 48	4 26	9 5	1 54	5 54	1 39	23 29	1 42	5 28	1 32	22 39	0 51	23 26	0 25	6 44	1 18	25 0	3 40	13 3	13 7	20 10	3 53	5 9
W29	16 32	27 16	3 51	9 51	1 46	6 22	1 39	23 23	1 42	5 26	1 31	22 39	0 51	23 26	0 25	6 45	1 17	25 0	3 40	13 6	13 8	20 12	3 52	5 10
T 30	16n49	25s24	3s 4	10n39	1s38	6n50	1s38	23n17	1n41	5s23	1n31	22s39	0n51	23n26	0n25	6n45	1n17	25s 1	3s40	13s 8	13s 9	20s15	3s51	5n10

Julian Day Number = 2189398.5, Delta T = 10m52s
Ecliptic obliquity = 23°32'05, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'49, Lahiri = 13°50'50 Julian Calendar 1 Apr. 1282 == Greg. Calendar 8 Apr. 1282

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ASTRODIENST EPHEMERIS for the year 1282
geocentric

MAY 1282 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 4 12	17♉23'59	0♒14	3♉49	22♈31	23♋14	17°R 8	3°R17	11♋45	15°R57	24°R 0	25°R16	25♒13	12♏ 5	7♓56	F 1
S 2	15 8 9	18°21'41	13° 1	5°46	23°43	23°47	17♎ 3	3♑15	11°47	15♍56	23♑59	25♒15	25° 9	12°11	7°58	S 2
S 3	15 12 5	19°19'21	26° 9	7°45	24°56	24°20	16°57	3°12	11°50	15°56	23°59	25°15	25° 6	12°18	8° 0	S 3
M 4	15 16 2	20°17'01	9♓41	9°46	26° 9	24°54	16°52	3°10	11°52	15°55	23°59	25°15	25° 3	12°25	8° 1	M 4
T 5	15 19 58	21°14'39	23°41	11°49	27°22	25°27	16°46	3° 7	11°55	15°55	23°58	25°13	25° 0	12°32	8° 3	T 5
W 6	15 23 55	22°12'16	8♈ 8	13°53	28°34	26° 0	16°41	3° 4	11°58	15°54	23°58	25° 9	24°57	12°38	8° 5	W 6
T 7	15 27 51	23° 9'53	22°59	15°59	29°47	26°34	16°36	3° 2	12° 0	15°54	23°57	25° 2	24°53	12°45	8° 6	T 7
F 8	15 31 48	24° 7'28	8♉ 8	18° 7	1♉ 0	27° 7	16°31	2°59	12° 3	15°53	23°57	24°52	24°50	12°52	8° 8	F 8
S 9	15 35 44	25° 5'02	23°26	20°15	2°13	27°41	16°27	2°56	12° 6	15°53	23°56	24°42	24°47	12°58	8° 9	S 9
S 10	15 39 41	26° 2'36	8♊40	22°25	3°26	28°15	16°22	2°53	12° 8	15°53	23°55	24°31	24°44	13° 5	8°10	S 10
M11	15 43 38	27° 0'08	23°41	24°36	4°38	28°48	16°18	2°50	12°11	15°52	23°55	24°21	24°41	13°12	8°12	M11
T 12	15 47 34	27°57'39	8♋20	26°48	5°51	29°22	16°13	2°47	12°14	15°52	23°54	24°14	24°38	13°19	8°13	T 12
W13	15 51 31	28°55'08	22°30	28°59	7° 4	29°56	16° 9	2°43	12°17	15°52	23°54	24° 8	24°34	13°25	8°14	W13
T 14	15 55 27	29°52'36	6♌11	1♊11	8°17	0♌30	16° 5	2°40	12°20	15°52	23°53	24° 6	24°31	13°32	8°16	T 14
F 15	15 59 24	0♊50'03	19°23	3°23	9°30	1° 4	16° 2	2°37	12°23	15°52	23°52	24° 5	24°28	13°39	8°17	F 15
S 16	16 3 20	1°47'29	2♍11	5°35	10°43	1°38	15°58	2°33	12°26	15°51	23°51	24° 5	24°25	13°45	8°18	S 16
S 17	16 7 17	2°44'53	14°38	7°45	11°56	2°12	15°55	2°30	12°29	15°51	23°51	24° 5	24°22	13°52	8°19	S 17
M18	16 11 13	3°42'16	26°50	9°55	13° 8	2°47	15°51	2°26	12°32	15°51	23°50	24° 3	24°18	13°59	8°20	M18
T 19	16 15 10	4°39'38	8♎51	12° 4	14°21	3°21	15°48	2°23	12°35	15°51	23°49	23°59	24°15	14° 6	8°21	T 19
W20	16 19 7	5°36'58	20°46	14°11	15°34	3°55	15°45	2°19	12°38	15°D51	23°48	23°52	24°12	14°12	8°22	W20
T 21	16 23 3	6°34'18	2♏37	16°17	16°47	4°30	15°43	2°15	12°41	15°51	23°47	23°43	24° 9	14°19	8°22	T 21
F 22	16 27 0	7°31'37	14°29	18°20	18° 0	5° 4	15°40	2°12	12°44	15°51	23°47	23°31	24° 6	14°26	8°23	F 22
S 23	16 30 56	8°28'55	26°23	20°22	19°13	5°39	15°38	2° 8	12°47	15°51	23°46	23°18	24° 3	14°33	8°24	S 23
S 24	16 34 53	9°26'12	8♐21	22°22	20°26	6°13	15°35	2° 4	12°50	15°51	23°45	23° 5	23°59	14°39	8°24	S 24
M25	16 38 49	10°23'29	20°24	24°20	21°39	6°48	15°33	2° 0	12°54	15°51	23°44	22°53	23°56	14°46	8°25	M25
T 26	16 42 46	11°20'45	2♑33	26°16	22°52	7°23	15°32	1°56	12°57	15°52	23°43	22°43	23°53	14°53	8°26	T 26
W27	16 46 42	12°18'00	14°50	28° 9	24° 5	7°58	15°30	1°52	13° 0	15°52	23°42	22°35	23°50	14°59	8°26	W27
T 28	16 50 39	13°15'15	27°17	29°59	25°18	8°32	15°28	1°48	13° 3	15°52	23°41	22°30	23°47	15° 6	8°27	T 28
F 29	16 54 36	14°12'30	9♒55	1♋49	26°31	9° 7	15°27	1°44	13° 7	15°52	23°40	22°27	23°44	15°13	8°27	F 29
S 30	16 58 32	15° 9'44	22°47	3°35	27°44	9°42	15°26	1°40	13°10	15°53	23°39	22°D26	23°40	15°20	8°27	S 30
S 31	17 2 29	16♊ 6'57	5♓56	5♋19	28♉57	10♌17	15♎25	1♑36	13♋13	15♍53	23♑38	22♒27	23♒37	15♏26	8♓27	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17n 6	22s16	2s 8	11n26	1s29	7n17	1s37	23n10	1n40	5s21	1n31	22s39	0n51	23n26	0n25	6n45	1n17	25s 1	3s41	13s 9	13s10	20s17	3s50	5n10
S 2	17 22	18 0	1 4	12 14	1 20	7 45	1 37	23 4	1 40	5 19	1 31	22 39	0 51	23 26	0 25	6 45	1 17	25 1	3 41	13 9	13 11	20 19	3 49	5 10
S 3	17 38	12 47	0n 5	13 2	1 11	8 12	1 36	22 58	1 39	5 17	1 31	22 39	0 51	23 25	0 25	6 46	1 17	25 1	3 41	13 9	13 12	20 22	3 48	5 10
M 4	17 53	6 48	1 15	13 50	1 1	8 39	1 35	22 51	1 38	5 16	1 30	22 39	0 51	23 25	0 25	6 46	1 17	25 2	3 41	13 9	13 13	20 24	3 47	5 11
T 5	18 9	0 19	2 24	14 38	0 51	9 6	1 34	22 44	1 38	5 14	1 30	22 39	0 51	23 25	0 25	6 46	1 17	25 2	3 41	13 10	13 14	20 26	3 47	5 11
W 6	18 24	6n23	3 26	15 25	0 41	9 33	1 33	22 37	1 37	5 12	1 30	22 39	0 51	23 25	0 25	6 46	1 17	25 2	3 42	13 11	13 16	20 28	3 46	5 11
T 7	18 38	12 55	4 15	16 12	0 30	10 0	1 33	22 30	1 36	5 10	1 30	22 39	0 51	23 24	0 25	6 46	1 17	25 2	3 42	13 14	13 17	20 31	3 45	5 11
F 8	18 53	18 48	4 48	16 58	0 20	10 26	1 31	22 23	1 36	5 9	1 30	22 40	0 51	23 24	0 25	6 46	1 17	25 3	3 42	13 17	13 18	20 33	3 44	5 12
S 9	19 7	23 32	5 0	17 44	0 9	10 53	1 30	22 16	1 35	5 7	1 29	22 40	0 51	23 24	0 25	6 46	1 17	25 3	3 42	13 21	13 19	20 35	3 43	5 12
S 10	19 21	26 38	4 51	18 28	0n 1	11 19	1 29	22 8	1 35	5 5	1 29	22 40	0 50	23 24	0 25	6 46	1 17	25 3	3 42	13 24	13 20	20 37	3 43	5 12
M11	19 34	27 45	4 22	19 11	0 12	11 44	1 28	22 1	1 34	5 4	1 29	22 40	0 50	23 23	0 25	6 47	1 17	25 3	3 42	13 27	13 21	20 40	3 42	5 12
T 12	19 47	26 52	3 36	19 53	0 22	12 10	1 27	21 53	1 33	5 2	1 29	22 40	0 50	23 23	0 25	6 47	1 17	25 4	3 43	13 30	13 22	20 42	3 41	5 13
W13	20 0	24 15	2 39	20 33	0 33	12 35	1 25	21 45	1 33	5 1	1 28	22 40	0 50	23 23	0 25	6 47	1 17	25 4	3 43	13 32	13 23	20 44	3 41	5 13
T 14	20 12	20 18	1 33	21 10	0 43	13 0	1 24	21 37	1 32	5 0	1 28	22 40	0 50	23 22	0 25	6 47	1 17	25 4	3 43	13 32	13 24	20 46	3 40	5 13
F 15	20 24	15 27	0 25	21 46	0 52	13 25	1 22	21 29	1 31	4 59	1 28	22 40	0 50	23 22	0 25	6 47	1 17	25 5	3 43	13 33	13 25	20 49	3 39	5 13
S 16	20 36	10 4	0s43	22 19	1 1	13 49	1 21	21 21	1 31	4 57	1 28	22 40	0 50	23 22	0 25	6 47	1 17	25 5	3 43	13 33	13 26	20 51	3 39	5 14
S 17	20 48	4 26	1 46	22 50	1 10	14 13	1 19	21 13	1 30	4 56	1 27	22 40	0 50	23 22	0 25	6 47	1 17	25 5	3 43	13 33	13 27	20 53	3 38	5 14
M18	20 59	1s15	2 44	23 19	1 18	14 37	1 18	21 4	1 30	4 55	1 27	22 40	0 50	23 21	0 25	6 47	1 17	25 6	3 44	13 33	13 28	20 55	3 37	5 14
T 19	21 9	6 47	3 33	23 45	1 26	15 0	1 16	20 55	1 29	4 54	1 27	22 41	0 50	23 21	0 25	6 47	1 17	25 6	3 44	13 35	13 29	20 58	3 37	5 14
W20	21 20	12 2	4 12	24 8	1 33	15 23	1 14	20 47	1 28	4 54	1 27	22 41	0 50	23 21	0 25	6 47	1 17	25 6	3 44	13 37	13 30	21 0	3 36	5 15
T 21	21 30	16 49	4 41	24 28	1 39	15 45	1 13	20 38	1 28	4 53	1 26	22 41	0 50	23 20	0 25	6 47	1 17	25 6	3 44	13 40	13 31	21 2	3 36	5 15
F 22	21 39	20 58	4 57	24 45	1 44	16 8	1 11	20 29	1 27	4 52	1 26	22 41	0 50	23 20	0 25	6 47	1 17	25 7	3 44	13 44	13 33	21 4	3 35	5 15
S 23	21 48	24 17	5 0	25 0	1 49	16 30	1 9	20 20	1 26	4 51	1 26	22 41	0 50	23 20	0 25	6 47	1 17	25 7	3 44	13 48	13 34	21 6	3 35	5 15
S 24	21 57	26 33	4 50	25 12	1 53	16 51	1 7	20 11	1 26	4 51	1 26	22 41	0 50	23 19	0 25	6 47	1 17	25 7	3 45	13 53	13 35	21 9	3 34	5 16
M25	22 6	27 37	4 27	25 21	1 57	17 12	1 5	20 1	1 25	4 50	1 25	22 41	0 50	23 19	0 25	6 47	1 17	25 8	3 45	13 57	13 36	21 11	3 34	5 16
T 26	22 14	27 22	3 52	25 28	1 59	17 33	1 3	19 52	1 25	4 50	1 25	22 41	0 50	23 19	0 25	6 46	1 17	25 8	3 45	14 0	13 37	21 13	3 33	5 16
W27	22 21	25 46	3 5	25 33	2 1	17 53	1 1	19 42	1 24	4 49	1 25	22 41	0 50	23 19	0 25	6 46	1 17	25 8	3 45	14 3	13 38	21 15	3 33	5 16
T 28	22 29	22 54	2 9	25 35	2 3	18 12	0 59	19 32	1 23	4 49	1 25	22 42	0 50	23 18	0 25	6 46	1 17	25 9	3 45	14 4	13 39	21 17	3 33	5 17
F 29	22 36	18 54	1 6	25 34	2 3	18 32	0 57	19 22	1 23	4 49	1 24	22 42	0 50	23 18	0 25	6 46	1 17	25 9	3 45	14 5	13 40	21 19	3 32	5 17
S 30	22 42	13 57	0n 2	25 32	2 3	18 50	0 55	19 13	1 22	4 48	1 24	22 42	0 50	23 18	0 25	6 46	1 16	25 9	3 46	14 5	13 41	21 21	3 32	5 17
S 31	22n48	8s16	1n11	25n27	2n 2	19n 9	0s53	19n 2	1n21	4s48	1n24	22s42	0n50	23n17	0n25	6n46	1n16	25s10	3s46	14s 5	13s42	21s24	3s31	5n17

Julian Day Number = 2189428.5, Delta T = 10m52s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'54, Lahiri = 13°50'54 Julian Calendar 1 May 1282 == Greg. Calendar 8 May 1282

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ASTRODIENST EPHEMERIS for the year 1282
geocentric

JUNE 1282 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 6 25	17♊ 4'11	19♓26	7♋ 0	0♊10	10♌52	15°R24	1°R32	13♋17	15♍53	23°R37	22°R27	23♒34	15♏33	8♓28	M 1
T 2	17 10 22	18° 1'24	3♈18	8°40	1°23	11°27	15♎24	1♑27	13°20	15°54	23♑36	22♒26	23°31	15°40	8°28	T 2
W 3	17 14 18	18°58'38	17°33	10°16	2°37	12° 3	15°23	1°23	13°23	15°54	23°35	22°23	23°28	15°46	8°28	W 3
T 4	17 18 15	19°55'51	2♉ 9	11°51	3°50	12°38	15°23	1°19	13°27	15°55	23°34	22°18	23°24	15°53	8°R28	T 4
F 5	17 22 11	20°53'04	17° 2	13°22	5° 3	13°13	15°D23	1°15	13°30	15°55	23°33	22°11	23°21	16° 0	8°28	F 5
S 6	17 26 8	21°50'17	2♊ 5	14°52	6°16	13°49	15°23	1°10	13°34	15°56	23°31	22° 2	23°18	16° 7	8°28	S 6
S 7	17 30 5	22°47'30	17° 8	16°19	7°29	14°24	15°23	1° 6	13°37	15°56	23°30	21°53	23°15	16°13	8°28	S 7
M 8	17 34 1	23°44'42	2♋ 1	17°43	8°43	14°59	15°24	1° 2	13°41	15°57	23°29	21°45	23°12	16°20	8°27	M 8
T 9	17 37 58	24°41'55	16°37	19° 5	9°56	15°35	15°24	0°57	13°44	15°57	23°28	21°39	23° 9	16°27	8°27	T 9
W10	17 41 54	25°39'07	0♌48	20°24	11° 9	16°11	15°25	0°53	13°48	15°58	23°27	21°35	23° 5	16°34	8°27	W10
T 11	17 45 51	26°36'18	14°32	21°40	12°22	16°46	15°26	0°49	13°51	15°59	23°25	21°33	23° 2	16°40	8°27	T 11
F 12	17 49 47	27°33'29	27°49	22°54	13°36	17°22	15°27	0°44	13°55	16° 0	23°24	21°D33	22°59	16°47	8°26	F 12
S 13	17 53 44	28°30'40	10♍40	24° 5	14°49	17°58	15°29	0°40	13°58	16° 0	23°23	21°34	22°56	16°54	8°26	S 13
S 14	17 57 40	29°27'50	23°11	25°14	16° 2	18°34	15°30	0°35	14° 2	16° 1	23°22	21°35	22°53	17° 0	8°25	S 14
M15	18 1 37	0♋25'00	5♎24	26°19	17°15	19° 9	15°32	0°31	14° 5	16° 2	23°21	21°R35	22°50	17° 7	8°25	M15
T 16	18 5 34	1°22'10	17°26	27°22	18°29	19°45	15°34	0°27	14° 9	16° 3	23°19	21°33	22°46	17°14	8°24	T 16
W17	18 9 30	2°19'20	29°21	28°21	19°42	20°21	15°36	0°22	14°13	16° 4	23°18	21°30	22°43	17°21	8°23	W17
T 18	18 13 27	3°16'29	11♏13	29°17	20°56	20°57	15°38	0°18	14°16	16° 4	23°17	21°24	22°40	17°27	8°23	T 18
F 19	18 17 23	4°13'39	23° 6	0♌10	22° 9	21°33	15°41	0°13	14°20	16° 5	23°15	21°17	22°37	17°34	8°22	F 19
S 20	18 21 20	5°10'48	5♐ 3	1° 0	23°22	22° 9	15°43	0° 9	14°23	16° 6	23°14	21° 9	22°34	17°41	8°21	S 20
S 21	18 25 16	6° 7'57	17° 7	1°46	24°36	22°46	15°46	0° 5	14°27	16° 7	23°13	21° 1	22°30	17°48	8°20	S 21
M22	18 29 13	7° 5'07	29°19	2°28	25°49	23°22	15°49	0° 0	14°31	16° 8	23°11	20°53	22°27	17°54	8°19	M22
T 23	18 33 10	8° 2'17	11♑40	3° 6	27° 3	23°58	15°52	29♐56	14°34	16° 9	23°10	20°47	22°24	18° 1	8°18	T 23
W24	18 37 6	8°59'26	24°12	3°41	28°16	24°34	15°55	29°51	14°38	16°11	23° 9	20°42	22°21	18° 8	8°17	W24
T 25	18 41 3	9°56'37	6♒54	4°12	29°30	25°11	15°59	29°47	14°42	16°12	23° 7	20°39	22°18	18°14	8°16	T 25
F 26	18 44 59	10°53'47	19°49	4°38	0♋43	25°47	16° 2	29°43	14°45	16°13	23° 6	20°D38	22°15	18°21	8°15	F 26
S 27	18 48 56	11°50'59	2♓56	5° 0	1°57	26°24	16° 6	29°39	14°49	16°14	23° 5	20°39	22°11	18°28	8°13	S 27
S 28	18 52 52	12°48'10	16°17	5°18	3°10	27° 0	16°10	29°34	14°53	16°15	23° 3	20°40	22° 8	18°35	8°12	S 28
M29	18 56 49	13°45'23	29°53	5°31	4°24	27°37	16°14	29°30	14°56	16°16	23° 2	20°42	22° 5	18°41	8°11	M29
T 30	19 0 45	14♋42'36	13♈45	5♌39	5♋38	28♌13	16♎18	29♐26	15♋ 0	16♍18	23♑ 0	20°R42	22♒ 2	18♏48	8♓10	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n54	2s 5	2n18	25n21	2n 0	19n27	0s51	18n52	1n21	4s48	1n23	22s42	0n50	23n17	0n25	6n46	1n16	25s10	3s46	14s 5	13s43	21s26	3s31	5n18
T 2	23 0	4n22	3 19	25 12	1 58	19 44	0 48	18 42	1 20	4 48	1 23	22 42	0 49	23 17	0 25	6 45	1 16	25 10	3 46	14 5	13 44	21 28	3 31	5 18
W 3	23 4	10 45	4 10	25 2	1 54	20 1	0 46	18 31	1 20	4 48	1 23	22 42	0 49	23 16	0 25	6 45	1 16	25 11	3 46	14 6	13 45	21 30	3 31	5 18
T 4	23 9	16 44	4 45	24 50	1 51	20 17	0 44	18 21	1 19	4 49	1 23	22 42	0 49	23 16	0 25	6 45	1 16	25 11	3 46	14 8	13 46	21 32	3 30	5 18
F 5	23 13	21 49	5 3	24 37	1 46	20 33	0 42	18 10	1 18	4 49	1 22	22 42	0 49	23 16	0 25	6 45	1 16	25 11	3 46	14 10	13 47	21 34	3 30	5 19
S 6	23 17	25 33	4 59	24 23	1 41	20 48	0 39	17 59	1 18	4 49	1 22	22 43	0 49	23 15	0 25	6 44	1 16	25 12	3 47	14 13	13 48	21 36	3 30	5 19
S 7	23 20	27 28	4 35	24 7	1 35	21 2	0 37	17 48	1 17	4 49	1 22	22 43	0 49	23 15	0 25	6 44	1 16	25 12	3 47	14 16	13 49	21 38	3 30	5 19
M 8	23 23	27 24	3 53	23 50	1 29	21 16	0 35	17 37	1 17	4 50	1 21	22 43	0 49	23 14	0 25	6 44	1 16	25 12	3 47	14 19	13 50	21 41	3 30	5 19
T 9	23 26	25 24	2 55	23 32	1 22	21 30	0 32	17 26	1 16	4 50	1 21	22 43	0 49	23 14	0 25	6 44	1 16	25 13	3 47	14 21	13 51	21 43	3 29	5 20
W10	23 28	21 50	1 49	23 13	1 15	21 43	0 30	17 15	1 15	4 51	1 21	22 43	0 49	23 14	0 25	6 43	1 16	25 13	3 47	14 22	13 52	21 45	3 29	5 20
T 11	23 29	17 8	0 38	22 53	1 7	21 55	0 27	17 4	1 15	4 52	1 21	22 43	0 49	23 13	0 25	6 43	1 16	25 13	3 47	14 23	13 54	21 47	3 29	5 20
F 12	23 31	11 45	0s34	22 32	0 58	22 6	0 25	16 52	1 14	4 52	1 20	22 43	0 49	23 13	0 25	6 43	1 16	25 14	3 47	14 23	13 55	21 49	3 29	5 20
S 13	23 32	6 2	1 41	22 11	0 49	22 17	0 23	16 41	1 14	4 53	1 20	22 43	0 49	23 13	0 25	6 42	1 16	25 14	3 48	14 22	13 56	21 51	3 29	5 21
S 14	23 32	0 15	2 41	21 49	0 39	22 28	0 20	16 29	1 13	4 54	1 20	22 43	0 49	23 12	0 25	6 42	1 16	25 15	3 48	14 22	13 57	21 53	3 29	5 21
M15	23 32	5s25	3 33	21 27	0 29	22 38	0 18	16 17	1 12	4 55	1 20	22 43	0 49	23 12	0 25	6 42	1 16	25 15	3 48	14 22	13 58	21 55	3 29	5 21
T 16	23 32	10 47	4 15	21 4	0 19	22 47	0 15	16 5	1 12	4 56	1 19	22 44	0 48	23 12	0 25	6 41	1 16	25 15	3 48	14 23	13 59	21 57	3 29	5 21
W17	23 31	15 43	4 45	20 42	0 7	22 55	0 13	15 53	1 11	4 57	1 19	22 44	0 48	23 11	0 25	6 41	1 16	25 16	3 48	14 24	14 0	21 59	3 29	5 22
T 18	23 30	20 2	5 2	20 19	0s 4	23 3	0 10	15 41	1 11	4 58	1 19	22 44	0 48	23 11	0 25	6 41	1 16	25 16	3 48	14 25	14 1	22 1	3 29	5 22
F 19	23 28	23 34	5 7	19 56	0 16	23 10	0 8	15 29	1 10	4 59	1 18	22 44	0 48	23 10	0 25	6 40	1 16	25 16	3 48	14 28	14 2	22 3	3 29	5 22
S 20	23 26	26 7	4 58	19 33	0 29	23 17	0 6	15 16	1 9	5 1	1 18	22 44	0 48	23 10	0 25	6 40	1 16	25 17	3 48	14 30	14 3	22 5	3 29	5 22
S 21	23 23	27 29	4 36	19 10	0 41	23 22	0 3	15 4	1 9	5 2	1 18	22 44	0 48	23 10	0 25	6 39	1 16	25 17	3 49	14 33	14 4	22 7	3 29	5 23
M22	23 21	27 33	4 1	18 48	0 55	23 27	0 1	14 51	1 8	5 3	1 18	22 44	0 48	23 9	0 25	6 39	1 16	25 17	3 49	14 35	14 5	22 9	3 30	5 23
T 23	23 17	26 15	3 15	18 26	1 8	23 32	0n 2	14 39	1 8	5 5	1 17	22 44	0 48	23 9	0 25	6 39	1 16	25 18	3 49	14 37	14 6	22 11	3 30	5 23
W24	23 14	23 38	2 18	18 5	1 22	23 36	0 4	14 26	1 7	5 6	1 17	22 44	0 48	23 8	0 25	6 38	1 16	25 18	3 49	14 39	14 7	22 13	3 30	5 23
T 25	23 10	19 49	1 14	17 44	1 36	23 39	0 7	14 13	1 6	5 8	1 17	22 44	0 48	23 8	0 25	6 38	1 16	25 18	3 49	14 40	14 8	22 15	3 30	5 23
F 26	23 5	15 0	0 4	17 24	1 50	23 41	0 9	14 0	1 6	5 9	1 16	22 45	0 48	23 8	0 25	6 37	1 16	25 19	3 49	14 40	14 9	22 17	3 30	5 24
S 27	23 0	9 26	1n 6	17 5	2 4	23 43	0 11	13 47	1 5	5 11	1 16	22 45	0 47	23 7	0 25	6 37	1 16	25 19	3 49	14 40	14 10	22 19	3 31	5 24
S 28	22 55	3 22	2 15	16 47	2 19	23 44	0 14	13 34	1 5	5 13	1 16	22 45	0 47	23 7	0 25	6 36	1 16	25 19	3 49	14 40	14 11	22 21	3 31	5 24
M29	22 49	2n58	3 17	16 30	2 33	23 44	0 16	13 21	1 4	5 15	1 16	22 45	0 47	23 6	0 25	6 36	1 16	25 20	3 49	14 39	14 12	22 23	3 31	5 24
T 30	22n43	9n16	4n 9	16n14	2s47	23n43	0n19	13n 8	1n 4	5s17	1n15	22s45	0n47	23n 6	0n25	6n35	1n15	25s20	3s50	14s39	14s13	22s25	3s31	5n24

Julian Day Number = 2189459.5, Delta T = 10m52s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°43'58, Lahiri = 13°50'58 Julian Calendar 1 June 1282 == Greg. Calendar 8 June 1282

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ASTRODIENST EPHEMERIS for the year 1282
geocentric

JULY 1282 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 4 42	15♋39'50	27♈52	5°R42	6♋51	28♌50	16♎23	29°R22	15♋ 4	16♍19	22°R59	20°R42	21♒59	18♏55	8°R 8	W 1
T 2	19 8 39	16°37'05	12♉14	5♌41	8° 5	29°27	16°27	29♐18	15° 7	16°20	22♑58	20♒40	21°56	19° 2	8♓ 7	T 2
F 3	19 12 35	17°34'20	26°47	5°35	9°19	0♍ 4	16°32	29°14	15°11	16°21	22°56	20°36	21°52	19° 8	8° 5	F 3
S 4	19 16 32	18°31'37	11♊26	5°23	10°32	0°40	16°37	29°10	15°15	16°23	22°55	20°32	21°49	19°15	8° 4	S 4
S 5	19 20 28	19°28'55	26° 5	5° 7	11°46	1°17	16°42	29° 6	15°18	16°24	22°53	20°27	21°46	19°22	8° 2	S 5
M 6	19 24 25	20°26'13	10♋38	4°46	13° 0	1°54	16°47	29° 2	15°22	16°26	22°52	20°23	21°43	19°28	8° 0	M 6
T 7	19 28 21	21°23'32	24°57	4°21	14°14	2°31	16°52	28°58	15°26	16°27	22°51	20°20	21°40	19°35	7°59	T 7
W 8	19 32 18	22°20'51	8♌57	3°51	15°27	3° 8	16°58	28°54	15°29	16°28	22°49	20°19	21°36	19°42	7°57	W 8
T 9	19 36 14	23°18'11	22°36	3°18	16°41	3°45	17° 3	28°50	15°33	16°30	22°48	20°D18	21°33	19°49	7°55	T 9
F 10	19 40 11	24°15'32	5♍51	2°41	17°55	4°23	17° 9	28°46	15°36	16°31	22°46	20°19	21°30	19°55	7°53	F 10
S 11	19 44 8	25°12'53	18°43	2° 0	19° 9	5° 0	17°15	28°43	15°40	16°33	22°45	20°20	21°27	20° 2	7°51	S 11
S 12	19 48 4	26°10'15	1♎16	1°18	20°23	5°37	17°21	28°39	15°44	16°34	22°44	20°22	21°24	20° 9	7°50	S 12
M13	19 52 1	27° 7'38	13°32	0°34	21°37	6°14	17°27	28°35	15°47	16°36	22°42	20°23	21°21	20°15	7°48	M13
T 14	19 55 57	28° 5'01	25°35	29♋49	22°51	6°52	17°34	28°32	15°51	16°38	22°41	20°R24	21°17	20°22	7°46	T 14
W15	19 59 54	29° 2'25	7♏32	29° 4	24° 4	7°29	17°40	28°28	15°55	16°39	22°39	20°24	21°14	20°29	7°44	W15
T 16	20 3 50	29°59'49	19°25	28°19	25°18	8° 6	17°47	28°25	15°58	16°41	22°38	20°22	21°11	20°36	7°41	T 16
F 17	20 7 47	0♌57'14	1♐19	27°36	26°32	8°44	17°54	28°21	16° 2	16°43	22°37	20°20	21° 8	20°42	7°39	F 17
S 18	20 11 43	1°54'40	13°20	26°55	27°46	9°21	18° 1	28°18	16° 5	16°44	22°35	20°18	21° 5	20°49	7°37	S 18
S 19	20 15 40	2°52'07	25°29	26°18	29° 0	9°59	18° 8	28°15	16° 9	16°46	22°34	20°15	21° 2	20°56	7°35	S 19
M20	20 19 37	3°49'35	7♑49	25°44	0♌14	10°37	18°15	28°12	16°12	16°48	22°32	20°13	20°58	21° 3	7°33	M20
T 21	20 23 33	4°47'04	20°23	25°15	1°28	11°14	18°22	28° 9	16°16	16°49	22°31	20°11	20°55	21° 9	7°30	T 21
W22	20 27 30	5°44'34	3♒11	24°51	2°42	11°52	18°30	28° 6	16°19	16°51	22°30	20° 9	20°52	21°16	7°28	W22
T 23	20 31 26	6°42'05	16°14	24°33	3°57	12°30	18°37	28° 3	16°23	16°53	22°28	20°D 9	20°49	21°23	7°26	T 23
F 24	20 35 23	7°39'37	29°31	24°21	5°11	13° 8	18°45	28° 0	16°26	16°55	22°27	20° 9	20°46	21°29	7°24	F 24
S 25	20 39 19	8°37'10	13♓ 1	24°D15	6°25	13°46	18°53	27°57	16°30	16°57	22°26	20°10	20°42	21°36	7°21	S 25
S 26	20 43 16	9°34'45	26°43	24°17	7°39	14°23	19° 1	27°54	16°33	16°58	22°24	20°10	20°39	21°43	7°19	S 26
M27	20 47 12	10°32'21	10♈36	24°25	8°53	15° 1	19° 9	27°52	16°37	17° 0	22°23	20°11	20°36	21°50	7°16	M27
T 28	20 51 9	11°29'59	24°38	24°41	10° 7	15°39	19°17	27°49	16°40	17° 2	22°22	20°12	20°33	21°56	7°14	T 28
W29	20 55 6	12°27'38	8♉48	25° 4	11°21	16°18	19°25	27°46	16°44	17° 4	22°20	20°R12	20°30	22° 3	7°11	W29
T 30	20 59 2	13°25'20	23° 2	25°35	12°36	16°56	19°33	27°44	16°47	17° 6	22°19	20°12	20°27	22°10	7° 9	T 30
F 31	21 2 59	14♌23'02	7♊19	26♋12	13♌50	17♍34	19♎42	27♐42	16♋50	17♍ 8	22♑18	20♒12	20♒23	22♏17	7♓ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n37	15n13	4n47	15n59	3s 1	23n42	0n21	12n54	1n 3	5s19	1n15	22s45	0n47	23n 6	0n25	6n35	1n15	25s20	3s50	14s39	14s14	22s27	3s32	5n25
T 2	22 30	20 27	5 8	15 46	3 15	23 40	0 23	12 41	1 2	5 21	1 15	22 45	0 47	23 5	0 25	6 34	1 15	25 21	3 50	14 40	14 15	22 29	3 32	5 25
F 3	22 22	24 32	5 10	15 35	3 29	23 38	0 26	12 27	1 2	5 23	1 15	22 45	0 47	23 5	0 25	6 34	1 15	25 21	3 50	14 41	14 16	22 31	3 33	5 25
S 4	22 15	27 3	4 51	15 25	3 41	23 35	0 28	12 14	1 1	5 25	1 14	22 45	0 47	23 4	0 25	6 33	1 15	25 21	3 50	14 42	14 17	22 33	3 33	5 25
S 5	22 7	27 42	4 14	15 17	3 54	23 31	0 30	12 0	1 1	5 27	1 14	22 45	0 47	23 4	0 25	6 33	1 15	25 22	3 50	14 44	14 18	22 35	3 33	5 25
M 6	21 58	26 26	3 20	15 11	4 5	23 26	0 32	11 46	1 0	5 29	1 14	22 45	0 46	23 4	0 25	6 32	1 15	25 22	3 50	14 45	14 19	22 37	3 34	5 26
T 7	21 50	23 26	2 14	15 6	4 16	23 21	0 34	11 32	0 59	5 31	1 14	22 45	0 46	23 3	0 25	6 31	1 15	25 22	3 50	14 46	14 20	22 38	3 34	5 26
W 8	21 40	19 5	1 2	15 4	4 25	23 14	0 37	11 18	0 59	5 34	1 13	22 46	0 46	23 3	0 25	6 31	1 15	25 23	3 50	14 46	14 21	22 40	3 35	5 26
T 9	21 31	13 50	0s13	15 3	4 34	23 8	0 39	11 4	0 58	5 36	1 13	22 46	0 46	23 2	0 25	6 30	1 15	25 23	3 50	14 47	14 22	22 42	3 35	5 26
F 10	21 21	8 6	1 24	15 5	4 41	23 0	0 41	10 50	0 58	5 39	1 13	22 46	0 46	23 2	0 25	6 30	1 15	25 23	3 51	14 46	14 24	22 44	3 36	5 26
S 11	21 11	2 11	2 30	15 8	4 46	22 52	0 43	10 36	0 57	5 41	1 13	22 46	0 46	23 2	0 25	6 29	1 15	25 24	3 51	14 46	14 25	22 46	3 36	5 27
S 12	21 0	3s39	3 26	15 13	4 50	22 43	0 45	10 22	0 56	5 44	1 12	22 46	0 46	23 1	0 25	6 28	1 15	25 24	3 51	14 45	14 26	22 48	3 37	5 27
M13	20 49	9 13	4 12	15 21	4 53	22 34	0 47	10 7	0 56	5 46	1 12	22 46	0 46	23 1	0 25	6 28	1 15	25 24	3 51	14 45	14 27	22 50	3 37	5 27
T 14	20 38	14 21	4 46	15 29	4 53	22 24	0 49	9 53	0 55	5 49	1 12	22 46	0 45	23 0	0 25	6 27	1 15	25 25	3 51	14 45	14 28	22 52	3 38	5 27
W15	20 26	18 54	5 7	15 40	4 52	22 13	0 51	9 38	0 55	5 52	1 12	22 46	0 45	23 0	0 25	6 26	1 15	25 25	3 51	14 45	14 29	22 54	3 39	5 27
T 16	20 14	22 41	5 15	15 52	4 49	22 1	0 53	9 24	0 54	5 54	1 11	22 46	0 45	22 59	0 25	6 26	1 15	25 25	3 51	14 45	14 30	22 55	3 39	5 27
F 17	20 1	25 33	5 9	16 5	4 44	21 49	0 54	9 9	0 53	5 57	1 11	22 46	0 45	22 59	0 25	6 25	1 15	25 26	3 51	14 46	14 31	22 57	3 40	5 28
S 18	19 49	27 17	4 50	16 19	4 38	21 36	0 56	8 54	0 53	6 0	1 11	22 46	0 45	22 59	0 25	6 24	1 15	25 26	3 51	14 47	14 32	22 59	3 41	5 28
S 19	19 36	27 45	4 17	16 34	4 29	21 23	0 58	8 40	0 52	6 3	1 11	22 47	0 45	22 58	0 25	6 24	1 15	25 26	3 51	14 48	14 33	23 1	3 41	5 28
M20	19 22	26 50	3 33	16 50	4 19	21 9	1 0	8 25	0 52	6 6	1 10	22 47	0 45	22 58	0 25	6 23	1 15	25 26	3 51	14 48	14 34	23 3	3 42	5 28
T 21	19 9	24 34	2 37	17 6	4 8	20 54	1 1	8 10	0 51	6 9	1 10	22 47	0 45	22 57	0 25	6 22	1 15	25 27	3 51	14 49	14 35	23 5	3 43	5 28
W22	18 55	21 1	1 32	17 23	3 56	20 39	1 3	7 55	0 50	6 12	1 10	22 47	0 44	22 57	0 25	6 22	1 15	25 27	3 51	14 49	14 36	23 6	3 43	5 28
T 23	18 40	16 23	0 22	17 39	3 42	20 23	1 5	7 40	0 50	6 15	1 10	22 47	0 44	22 57	0 25	6 21	1 15	25 27	3 51	14 50	14 37	23 8	3 44	5 28
F 24	18 26	10 53	0n52	17 56	3 27	20 7	1 6	7 25	0 49	6 18	1 9	22 47	0 44	22 56	0 25	6 20	1 15	25 28	3 51	14 50	14 38	23 10	3 45	5 28
S 25	18 11	4 48	2 3	18 12	3 12	19 50	1 7	7 10	0 49	6 21	1 9	22 47	0 44	22 56	0 25	6 19	1 15	25 28	3 52	14 49	14 39	23 12	3 46	5 28
S 26	17 55	1n35	3 9	18 27	2 56	19 32	1 9	6 54	0 48	6 25	1 9	22 47	0 44	22 55	0 25	6 19	1 15	25 28	3 52	14 49	14 40	23 14	3 46	5 29
M27	17 40	7 57	4 4	18 42	2 39	19 14	1 10	6 39	0 48	6 28	1 9	22 47	0 44	22 55	0 25	6 18	1 15	25 28	3 52	14 49	14 41	23 15	3 47	5 29
T 28	17 24	14 0	4 46	18 56	2 23	18 56	1 12	6 24	0 47	6 31	1 9	22 47	0 44	22 55	0 25	6 17	1 15	25 29	3 52	14 49	14 42	23 17	3 48	5 29
W29	17 8	19 23	5 10	19 9	2 6	18 36	1 13	6 8	0 46	6 34	1 8	22 47	0 44	22 54	0 25	6 16	1 15	25 29	3 52	14 48	14 43	23 19	3 49	5 29
T 30	16 52	23 42	5 16	19 20	1 49	18 17	1 14	5 53	0 46	6 38	1 8	22 48	0 43	22 54	0 25	6 16	1 15	25 29	3 52	14 49	14 44	23 21	3 50	5 29
F 31	16n35	26n35	5n 3	19n30	1s32	17n56	1n15	5n38	0n45	6s41	1n 8	22s48	0n43	22n53	0n25	6n15	1n15	25s30	3s52	14s49	14s45	23s22	3s51	5n29

Julian Day Number = 2189489.5, Delta T = 10m52s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'02, Lahiri = 13°51'02 Julian Calendar 1 July 1282 == Greg. Calendar 8 July 1282

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ASTRODIENST EPHEMERIS for the year 1282
geocentric

AUGUST 1282 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 6 55	15♌20'47	21♊35	26♋57	15♌ 4	18♍12	19♎51	27°R39	16♋54	17♍10	22°R16	20°R11	20♒20	22♏23	7°R 4	S 1
S 2	21 10 52	16°18'33	5♋47	27°49	16°18	18°50	19°59	27♐37	16°57	17°12	22♑15	20♒11	20°17	22°30	7♓ 1	S 2
M 3	21 14 48	17°16'21	19°52	28°47	17°33	19°29	20° 8	27°35	17° 0	17°14	22°14	20°10	20°14	22°37	6°58	M 3
T 4	21 18 45	18°14'11	3♌46	29°52	18°47	20° 7	20°17	27°33	17° 3	17°16	22°13	20°10	20°11	22°43	6°56	T 4
W 5	21 22 42	19°12'02	17°25	1♌ 4	20° 1	20°46	20°26	27°31	17° 7	17°18	22°11	20°D10	20° 8	22°50	6°53	W 5
T 6	21 26 38	20° 9'54	0♍48	2°21	21°16	21°24	20°35	27°29	17°10	17°20	22°10	20°R10	20° 4	22°57	6°50	T 6
F 7	21 30 35	21° 7'48	13°53	3°44	22°30	22° 3	20°45	27°28	17°13	17°22	22° 9	20°10	20° 1	23° 4	6°48	F 7
S 8	21 34 31	22° 5'43	26°40	5°12	23°44	22°41	20°54	27°26	17°16	17°24	22° 8	20°10	19°58	23°10	6°45	S 8
S 9	21 38 28	23° 3'40	9♎11	6°45	24°59	23°20	21° 4	27°24	17°19	17°26	22° 7	20°10	19°55	23°17	6°42	S 9
M10	21 42 24	24° 1'38	21°27	8°22	26°13	23°59	21°13	27°23	17°23	17°28	22° 5	20° 9	19°52	23°24	6°39	M10
T 11	21 46 21	24°59'37	3♏31	10° 3	27°28	24°37	21°23	27°22	17°26	17°30	22° 4	20° 9	19°48	23°30	6°36	T 11
W12	21 50 17	25°57'38	15°27	11°47	28°42	25°16	21°33	27°20	17°29	17°32	22° 3	20° 9	19°45	23°37	6°34	W12
T 13	21 54 14	26°55'41	27°21	13°34	29°57	25°55	21°43	27°19	17°32	17°34	22° 2	20°D 8	19°42	23°44	6°31	T 13
F 14	21 58 10	27°53'45	9♐15	15°24	1♍11	26°34	21°53	27°18	17°35	17°37	22° 1	20° 9	19°39	23°51	6°28	F 14
S 15	22 2 7	28°51'50	21°16	17°16	2°25	27°13	22° 3	27°17	17°38	17°39	22° 0	20° 9	19°36	23°57	6°25	S 15
S 16	22 6 4	29°49'57	3♑27	19° 9	3°40	27°52	22°13	27°16	17°41	17°41	21°59	20°10	19°33	24° 4	6°22	S 16
M17	22 10 0	0♍48'05	15°52	21° 3	4°54	28°31	22°23	27°15	17°44	17°43	21°58	20°11	19°29	24°11	6°20	M17
T 18	22 13 57	1°46'15	28°34	22°58	6° 9	29°10	22°33	27°15	17°47	17°45	21°57	20°12	19°26	24°18	6°17	T 18
W19	22 17 53	2°44'26	11♒35	24°54	7°23	29°49	22°44	27°14	17°49	17°47	21°56	20°12	19°23	24°24	6°14	W19
T 20	22 21 50	3°42'39	24°57	26°50	8°38	0♎28	22°54	27°13	17°52	17°49	21°55	20°R13	19°20	24°31	6°11	T 20
F 21	22 25 46	4°40'54	8♓37	28°46	9°52	1° 8	23° 5	27°13	17°55	17°52	21°54	20°12	19°17	24°38	6° 8	F 21
S 22	22 29 43	5°39'11	22°34	0♍42	11° 7	1°47	23°16	27°13	17°58	17°54	21°53	20°11	19°14	24°44	6° 5	S 22
S 23	22 33 39	6°37'29	6♈45	2°37	12°22	2°26	23°26	27°12	18° 0	17°56	21°52	20° 9	19°10	24°51	6° 2	S 23
M24	22 37 36	7°35'50	21° 4	4°32	13°36	3° 6	23°37	27°12	18° 3	17°58	21°51	20° 6	19° 7	24°58	6° 0	M24
T 25	22 41 33	8°34'13	5♉27	6°26	14°51	3°45	23°48	27°D12	18° 6	18° 0	21°50	20° 4	19° 4	25° 5	5°57	T 25
W26	22 45 29	9°32'38	19°49	8°19	16° 5	4°25	23°59	27°12	18° 8	18° 3	21°49	20° 3	19° 1	25°11	5°54	W26
T 27	22 49 26	10°31'05	4♊ 6	10°12	17°20	5° 4	24°10	27°12	18°11	18° 5	21°49	20°D 2	18°58	25°18	5°51	T 27
F 28	22 53 22	11°29'34	18°16	12° 3	18°35	5°44	24°21	27°13	18°14	18° 7	21°48	20° 2	18°54	25°25	5°48	F 28
S 29	22 57 19	12°28'06	2♋17	13°54	19°49	6°24	24°33	27°13	18°16	18° 9	21°47	20° 3	18°51	25°32	5°45	S 29
S 30	23 1 15	13°26'40	16° 7	15°44	21° 4	7° 3	24°44	27°13	18°18	18°11	21°46	20° 4	18°48	25°38	5°43	S 30
M31	23 5 12	14♍25'16	29♋46	17♍32	22♍18	7♎43	24♎55	27♐14	18♋21	18♍14	21♑46	20♒ 5	18♒45	25♏45	5♓40	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n18	27n46	4n30	19n38	1s15	17n36	1n16	5n22	0n45	6s45	1n 8	22s48	0n43	22n53	0n25	6n14	1n15	25s30	3s52	14s49	14s46	23s24	3s51	5n29
S 2	16 1	27 6	3 42	19 44	0 58	17 14	1 17	5 6	0 44	6 48	1 8	22 48	0 43	22 52	0 25	6 13	1 15	25 30	3 52	14 49	14 47	23 26	3 52	5 29
M 3	15 43	24 42	2 40	19 48	0 42	16 53	1 18	4 51	0 43	6 52	1 7	22 48	0 43	22 52	0 25	6 13	1 15	25 30	3 52	14 49	14 48	23 28	3 53	5 29
T 4	15 25	20 50	1 30	19 49	0 27	16 30	1 19	4 35	0 43	6 55	1 7	22 48	0 43	22 52	0 25	6 12	1 15	25 31	3 52	14 49	14 49	23 29	3 54	5 29
W 5	15 7	15 55	0 15	19 48	0 12	16 8	1 20	4 19	0 42	6 59	1 7	22 48	0 43	22 51	0 25	6 11	1 15	25 31	3 52	14 49	14 50	23 31	3 55	5 29
T 6	14 49	10 19	0s59	19 45	0n 2	15 44	1 21	4 4	0 42	7 3	1 7	22 48	0 42	22 51	0 25	6 10	1 15	25 31	3 52	14 49	14 51	23 33	3 56	5 29
F 7	14 31	4 24	2 8	19 39	0 16	15 21	1 21	3 48	0 41	7 6	1 7	22 48	0 42	22 51	0 25	6 9	1 15	25 31	3 52	14 49	14 52	23 35	3 57	5 29
S 8	14 12	1s33	3 9	19 30	0 28	14 57	1 22	3 32	0 40	7 10	1 6	22 48	0 42	22 50	0 26	6 9	1 15	25 31	3 52	14 49	14 53	23 36	3 58	5 29
S 9	13 53	7 19	3 59	19 18	0 40	14 32	1 23	3 16	0 40	7 14	1 6	22 49	0 42	22 50	0 26	6 8	1 15	25 32	3 52	14 49	14 54	23 38	3 59	5 29
M10	13 34	12 41	4 38	19 4	0 51	14 8	1 23	3 0	0 39	7 17	1 6	22 49	0 42	22 49	0 26	6 7	1 15	25 32	3 52	14 49	14 55	23 40	4 0	5 29
T 11	13 15	17 29	5 3	18 46	1 1	13 43	1 24	2 44	0 39	7 21	1 6	22 49	0 42	22 49	0 26	6 6	1 15	25 32	3 52	14 50	14 56	23 41	4 1	5 30
W12	12 55	21 33	5 16	18 26	1 10	13 17	1 24	2 28	0 38	7 25	1 6	22 49	0 42	22 49	0 26	6 5	1 15	25 32	3 52	14 50	14 57	23 43	4 2	5 30
T 13	12 35	24 44	5 14	18 3	1 17	12 51	1 24	2 12	0 37	7 29	1 5	22 49	0 41	22 48	0 26	6 4	1 15	25 32	3 52	14 50	14 58	23 45	4 3	5 30
F 14	12 15	26 51	4 59	17 38	1 24	12 25	1 25	1 56	0 37	7 33	1 5	22 49	0 41	22 48	0 26	6 4	1 15	25 33	3 52	14 50	14 59	23 46	4 4	5 30
S 15	11 55	27 45	4 31	17 9	1 30	11 58	1 25	1 40	0 36	7 37	1 5	22 49	0 41	22 47	0 26	6 3	1 15	25 33	3 52	14 49	15 0	23 48	4 5	5 30
S 16	11 35	27 20	3 51	16 39	1 35	11 31	1 25	1 24	0 36	7 41	1 5	22 49	0 41	22 47	0 26	6 2	1 15	25 33	3 52	14 49	15 1	23 50	4 6	5 29
M17	11 14	25 33	2 59	16 6	1 40	11 4	1 25	1 8	0 35	7 45	1 5	22 50	0 41	22 47	0 26	6 1	1 15	25 33	3 52	14 49	15 2	23 51	4 7	5 29
T 18	10 53	22 26	1 57	15 32	1 43	10 36	1 25	0 52	0 34	7 49	1 4	22 50	0 41	22 46	0 26	6 0	1 15	25 33	3 52	14 49	15 3	23 53	4 8	5 29
W19	10 32	18 8	0 47	14 55	1 45	10 9	1 25	0 35	0 34	7 53	1 4	22 50	0 41	22 46	0 26	5 59	1 15	25 34	3 52	14 48	15 4	23 55	4 9	5 29
T 20	10 11	12 51	0n26	14 17	1 47	9 40	1 25	0 19	0 33	7 57	1 4	22 50	0 40	22 46	0 26	5 59	1 15	25 34	3 52	14 48	15 5	23 56	4 10	5 29
F 21	9 50	6 50	1 40	13 38	1 48	9 12	1 25	0 3	0 33	8 1	1 4	22 50	0 40	22 45	0 26	5 58	1 15	25 34	3 52	14 49	15 6	23 58	4 12	5 29
S 22	9 28	0 22	2 49	12 57	1 48	8 43	1 24	0s13	0 32	8 5	1 4	22 50	0 40	22 45	0 26	5 57	1 15	25 34	3 52	14 49	15 7	23 59	4 13	5 29
S 23	9 7	6n12	3 49	12 15	1 47	8 15	1 24	0 30	0 31	8 9	1 4	22 50	0 40	22 45	0 26	5 56	1 15	25 34	3 52	14 50	15 8	24 1	4 14	5 29
M24	8 45	12 30	4 35	11 32	1 46	7 45	1 24	0 46	0 31	8 13	1 3	22 50	0 40	22 44	0 26	5 55	1 15	25 34	3 52	14 50	15 9	24 3	4 15	5 29
T 25	8 23	18 10	5 5	10 48	1 44	7 16	1 23	1 2	0 30	8 18	1 3	22 51	0 40	22 44	0 26	5 54	1 15	25 35	3 52	14 51	15 10	24 4	4 16	5 29
W26	8 1	22 48	5 15	10 3	1 42	6 47	1 23	1 18	0 30	8 22	1 3	22 51	0 40	22 44	0 26	5 53	1 15	25 35	3 52	14 52	15 11	24 6	4 17	5 29
T 27	7 39	26 3	5 5	9 18	1 39	6 17	1 22	1 35	0 29	8 26	1 3	22 51	0 39	22 43	0 26	5 53	1 15	25 35	3 52	14 52	15 12	24 7	4 18	5 29
F 28	7 17	27 37	4 37	8 33	1 36	5 47	1 21	1 51	0 28	8 30	1 3	22 51	0 39	22 43	0 26	5 52	1 15	25 35	3 52	14 52	15 13	24 9	4 19	5 29
S 29	6 55	27 24	3 53	7 46	1 32	5 17	1 21	2 7	0 28	8 35	1 3	22 51	0 39	22 43	0 26	5 51	1 15	25 35	3 52	14 52	15 14	24 11	4 20	5 29
S 30	6 32	25 28	2 56	7 0	1 28	4 47	1 20	2 24	0 27	8 39	1 3	22 51	0 39	22 42	0 26	5 50	1 15	25 35	3 52	14 51	15 15	24 12	4 22	5 29
M31	6n 9	22n 4	1n49	6n13	1n24	4n17	1n19	2s40	0n27	8s43	1n 2	22s51	0n39	22n42	0n26	5n49	1n15	25s35	3s52	14s51	15s16	24s14	4s23	5n29

Julian Day Number = 2189520.5, Delta T = 10m52s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'06, Lahiri = 13°51'07 Julian Calendar 1 Aug. 1282 == Greg. Calendar 8 Aug. 1282

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ASTRODIENST EPHEMERIS for the year 1282
geocentric

SEPTEMBER 1282 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 9 8	15♍23'54	13♌13	19♍20	23♍33	8♎23	25♎ 7	27♐15	18♋23	18♍16	21°R45	20♒ 6	18♒42	25♏52	5°R37	T 1
W 2	23 13 5	16°22'35	26°28	21° 7	24°48	9° 3	25°18	27°15	18°26	18°18	21♑44	20°R 6	18°39	25°58	5♓34	W 2
T 3	23 17 2	17°21'17	9♍30	22°53	26° 2	9°43	25°30	27°16	18°28	18°20	21°43	20° 5	18°35	26° 5	5°31	T 3
F 4	23 20 58	18°20'01	22°18	24°37	27°17	10°23	25°41	27°17	18°30	18°23	21°43	20° 2	18°32	26°12	5°29	F 4
S 5	23 24 55	19°18'48	4♎54	26°21	28°32	11° 3	25°53	27°18	18°32	18°25	21°42	19°58	18°29	26°19	5°26	S 5
S 6	23 28 51	20°17'36	17°17	28° 4	29°46	11°43	26° 5	27°19	18°35	18°27	21°42	19°53	18°26	26°25	5°23	S 6
M 7	23 32 48	21°16'26	29°29	29°45	1♏ 1	12°23	26°17	27°21	18°37	18°29	21°41	19°48	18°23	26°32	5°20	M 7
T 8	23 36 44	22°15'19	11♏31	1♏26	2°16	13° 3	26°29	27°22	18°39	18°32	21°41	19°42	18°19	26°39	5°18	T 8
W 9	23 40 41	23°14'13	23°26	3° 6	3°31	13°44	26°41	27°23	18°41	18°34	21°40	19°38	18°16	26°45	5°15	W 9
T 10	23 44 37	24°13'09	5♐18	4°45	4°45	14°24	26°53	27°25	18°43	18°36	21°39	19°34	18°13	26°52	5°12	T 10
F 11	23 48 34	25°12'06	17°10	6°23	6° 0	15° 4	27° 5	27°26	18°45	18°38	21°39	19°33	18°10	26°59	5°10	F 11
S 12	23 52 31	26°11'06	29° 9	8° 0	7°15	15°45	27°17	27°28	18°47	18°40	21°39	19°D32	18° 7	27° 6	5° 7	S 12
S 13	23 56 27	27°10'07	11♑17	9°37	8°29	16°25	27°29	27°30	18°49	18°43	21°38	19°33	18° 4	27°12	5° 4	S 13
M14	0 0 24	28° 9'11	23°41	11°12	9°44	17° 6	27°41	27°32	18°50	18°45	21°38	19°35	18° 0	27°19	5° 2	M14
T 15	0 4 20	29° 8'16	6♒24	12°47	10°59	17°47	27°53	27°34	18°52	18°47	21°37	19°36	17°57	27°26	4°59	T 15
W16	0 8 17	0♎ 7'22	19°31	14°20	12°13	18°27	28° 6	27°36	18°54	18°49	21°37	19°R37	17°54	27°33	4°57	W16
T 17	0 12 13	1° 6'31	3♓ 2	15°53	13°28	19° 8	28°18	27°38	18°55	18°51	21°37	19°36	17°51	27°39	4°54	T 17
F 18	0 16 10	2° 5'41	16°59	17°26	14°43	19°49	28°31	27°40	18°57	18°54	21°37	19°33	17°48	27°46	4°52	F 18
S 19	0 20 6	3° 4'54	1♈19	18°57	15°58	20°29	28°43	27°43	18°59	18°56	21°36	19°29	17°45	27°53	4°49	S 19
S 20	0 24 3	4° 4'08	15°57	20°28	17°12	21°10	28°56	27°45	19° 0	18°58	21°36	19°22	17°41	27°59	4°47	S 20
M21	0 27 59	5° 3'25	0♉44	21°57	18°27	21°51	29° 8	27°48	19° 2	19° 0	21°36	19°15	17°38	28° 6	4°45	M21
T 22	0 31 56	6° 2'44	15°34	23°26	19°42	22°32	29°21	27°50	19° 3	19° 2	21°36	19° 8	17°35	28°13	4°42	T 22
W23	0 35 53	7° 2'06	0♊18	24°55	20°56	23°13	29°33	27°53	19° 4	19° 5	21°36	19° 2	17°32	28°20	4°40	W23
T 24	0 39 49	8° 1'29	14°50	26°22	22°11	23°54	29°46	27°56	19° 6	19° 7	21°35	18°58	17°29	28°26	4°38	T 24
F 25	0 43 46	9° 0'56	29° 5	27°49	23°26	24°35	29°59	27°59	19° 7	19° 9	21°35	18°56	17°25	28°33	4°35	F 25
S 26	0 47 42	10° 0'24	13♋ 2	29°14	24°41	25°17	0♏11	28° 2	19° 8	19°11	21°35	18°D55	17°22	28°40	4°33	S 26
S 27	0 51 39	10°59'55	26°41	0♏39	25°55	25°58	0°24	28° 5	19° 9	19°13	21°D35	18°56	17°19	28°46	4°31	S 27
M28	0 55 35	11°59'28	10♌ 2	2° 3	27°10	26°39	0°37	28° 8	19°11	19°15	21°35	18°57	17°16	28°53	4°29	M28
T 29	0 59 32	12°59'04	23° 9	3°27	28°25	27°21	0°50	28°12	19°12	19°17	21°35	18°R57	17°13	29° 0	4°27	T 29
W30	1 3 29	13♎58'42	6♍ 1	4♏49	29♎40	28♎ 2	1♏ 3	28♐15	19♋13	19♍19	21♑35	18♒56	17♒10	29♏ 7	4♓25	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n47	17n31	0n38	5n27	1n19	3n46	1n18	2s56	0n26	8s47	1n 2	22s52	0n39	22n42	0n26	5n48	1n15	25s35	3s52	14s50	15s17	24s15	4s24	5n28
W 2	5 24	12 12	0s35	4 40	1 14	3 15	1 17	3 13	0 25	8 52	1 2	22 52	0 39	22 42	0 26	5 47	1 15	25 36	3 52	14 50	15 18	24 17	4 25	5 28
T 3	5 1	6 26	1 44	3 53	1 8	2 45	1 16	3 29	0 25	8 56	1 2	22 52	0 38	22 41	0 26	5 46	1 15	25 36	3 52	14 51	15 19	24 18	4 26	5 28
F 4	4 38	0 30	2 47	3 6	1 3	2 14	1 15	3 45	0 24	9 1	1 2	22 52	0 38	22 41	0 26	5 46	1 15	25 36	3 52	14 52	15 20	24 20	4 27	5 28
S 5	4 15	5s20	3 41	2 20	0 57	1 43	1 14	4 2	0 24	9 5	1 2	22 52	0 38	22 41	0 26	5 45	1 15	25 36	3 52	14 53	15 21	24 21	4 28	5 28
S 6	3 52	10 51	4 23	1 33	0 51	1 12	1 13	4 18	0 23	9 9	1 2	22 52	0 38	22 40	0 26	5 44	1 15	25 36	3 52	14 55	15 22	24 23	4 29	5 28
M 7	3 28	15 53	4 52	0 47	0 45	0 41	1 12	4 34	0 22	9 14	1 1	22 53	0 38	22 40	0 26	5 43	1 15	25 36	3 52	14 56	15 23	24 24	4 31	5 28
T 8	3 5	20 13	5 8	0 1	0 38	0 10	1 10	4 50	0 22	9 18	1 1	22 53	0 38	22 40	0 26	5 42	1 15	25 36	3 52	14 58	15 24	24 26	4 32	5 28
W 9	2 42	23 43	5 11	0s45	0 32	0s21	1 9	5 7	0 21	9 23	1 1	22 53	0 38	22 40	0 26	5 41	1 15	25 36	3 52	14 59	15 25	24 27	4 33	5 27
T 10	2 18	26 11	5 0	1 31	0 25	0 52	1 8	5 23	0 21	9 27	1 1	22 53	0 37	22 39	0 26	5 40	1 15	25 36	3 52	15 0	15 26	24 29	4 34	5 27
F 11	1 55	27 29	4 36	2 16	0 18	1 23	1 6	5 39	0 20	9 32	1 1	22 53	0 37	22 39	0 26	5 39	1 15	25 36	3 52	15 1	15 27	24 30	4 35	5 27
S 12	1 31	27 32	4 0	3 1	0 11	1 54	1 5	5 55	0 19	9 36	1 1	22 53	0 37	22 39	0 26	5 39	1 15	25 36	3 52	15 1	15 28	24 32	4 36	5 27
S 13	1 8	26 16	3 13	3 45	0 4	2 25	1 3	6 12	0 19	9 41	1 1	22 54	0 37	22 39	0 26	5 38	1 15	25 36	3 52	15 1	15 29	24 33	4 37	5 27
M14	0 44	23 41	2 16	4 29	0s 3	2 56	1 1	6 28	0 18	9 45	1 1	22 54	0 37	22 38	0 26	5 37	1 15	25 36	3 52	15 0	15 30	24 35	4 38	5 26
T 15	0 21	19 54	1 11	5 13	0 10	3 27	1 0	6 44	0 18	9 50	1 0	22 54	0 37	22 38	0 26	5 36	1 15	25 36	3 52	15 0	15 31	24 36	4 39	5 26
W16	0s 3	15 2	0 1	5 56	0 17	3 58	0 58	7 0	0 17	9 54	1 0	22 54	0 37	22 38	0 27	5 35	1 15	25 36	3 52	15 0	15 32	24 37	4 40	5 26
T 17	0 27	9 19	1n12	6 39	0 24	4 28	0 56	7 16	0 16	9 59	1 0	22 54	0 36	22 38	0 27	5 34	1 15	25 36	3 52	15 0	15 33	24 39	4 42	5 26
F 18	0 50	2 58	2 23	7 21	0 31	4 59	0 54	7 32	0 16	10 3	1 0	22 55	0 36	22 38	0 27	5 34	1 15	25 36	3 52	15 1	15 34	24 40	4 43	5 26
S 19	1 14	3n40	3 26	8 2	0 38	5 30	0 52	7 48	0 15	10 8	1 0	22 55	0 36	22 37	0 27	5 33	1 15	25 37	3 52	15 2	15 35	24 42	4 44	5 25
S 20	1 37	10 15	4 17	8 43	0 45	6 0	0 51	8 4	0 15	10 12	1 0	22 55	0 36	22 37	0 27	5 32	1 15	25 37	3 52	15 4	15 36	24 43	4 45	5 25
M21	2 1	16 19	4 52	9 24	0 53	6 31	0 49	8 20	0 14	10 17	1 0	22 55	0 36	22 37	0 27	5 31	1 15	25 37	3 52	15 6	15 37	24 45	4 46	5 25
T 22	2 25	21 27	5 7	10 4	1 0	7 1	0 47	8 36	0 13	10 21	1 0	22 55	0 36	22 37	0 27	5 30	1 15	25 37	3 52	15 9	15 37	24 46	4 47	5 25
W23	2 48	25 12	5 2	10 43	1 7	7 31	0 45	8 52	0 13	10 26	1 0	22 55	0 36	22 37	0 27	5 29	1 15	25 37	3 52	15 11	15 38	24 47	4 48	5 25
T 24	3 12	27 15	4 37	11 21	1 14	8 1	0 42	9 7	0 12	10 30	0 59	22 56	0 36	22 37	0 27	5 29	1 15	25 37	3 52	15 12	15 39	24 49	4 49	5 24
F 25	3 35	27 27	3 55	11 59	1 20	8 31	0 40	9 23	0 11	10 35	0 59	22 56	0 35	22 36	0 27	5 28	1 15	25 37	3 52	15 13	15 40	24 50	4 50	5 24
S 26	3 59	25 53	3 1	12 36	1 27	9 0	0 38	9 39	0 11	10 40	0 59	22 56	0 35	22 36	0 27	5 27	1 15	25 36	3 52	15 13	15 41	24 51	4 51	5 24
S 27	4 22	22 49	1 57	13 13	1 34	9 30	0 36	9 55	0 10	10 44	0 59	22 56	0 35	22 36	0 27	5 26	1 15	25 36	3 52	15 12	15 42	24 53	4 52	5 24
M28	4 46	18 34	0 48	13 48	1 40	9 59	0 34	10 10	0 10	10 49	0 59	22 56	0 35	22 36	0 27	5 25	1 15	25 36	3 52	15 12	15 43	24 54	4 53	5 23
T 29	5 9	13 30	0s22	14 23	1 47	10 28	0 31	10 26	0 9	10 53	0 59	22 56	0 35	22 36	0 27	5 24	1 15	25 36	3 52	15 12	15 44	24 56	4 54	5 23
W30	5s32	7n56	1s30	14s57	1s53	10s57	0n29	10s41	0n 8	10s58	0n59	22s57	0n35	22n36	0n27	5n24	1n15	25s36	3s52	15s13	15s45	24s57	4s55	5n23

Julian Day Number = 2189551.5, Delta T = 10m51s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'10, Lahiri = 13°51'11 Julian Calendar 1 Sept. 1282 == Greg. Calendar 8 Sept. 1282

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1282
geocentric

OCTOBER 1282 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 7 25	14♎58'21	18♍43	6♏10	0♏54	28♎43	1♏16	28♐18	19♋14	19♍21	21♑36	18°R52	17♒ 6	29♏13	4°R23	T 1
F 2	1 11 22	15°58'03	1♎14	7°30	2° 9	29°25	1°29	28°22	19°15	19°23	21°36	18♒45	17° 3	29°20	4♓21	F 2
S 3	1 15 18	16°57'48	13°35	8°49	3°24	0♏ 7	1°42	28°25	19°15	19°25	21°36	18°36	17° 0	29°27	4°19	S 3
S 4	1 19 15	17°57'34	25°47	10° 7	4°39	0°48	1°55	28°29	19°16	19°27	21°36	18°25	16°57	29°33	4°17	S 4
M 5	1 23 11	18°57'22	7♏52	11°24	5°53	1°30	2° 8	28°33	19°17	19°29	21°36	18°13	16°54	29°40	4°15	M 5
T 6	1 27 8	19°57'12	19°50	12°39	7° 8	2°12	2°21	28°37	19°18	19°31	21°36	18° 1	16°51	29°47	4°14	T 6
W 7	1 31 4	20°57'04	1♐43	13°52	8°23	2°53	2°34	28°41	19°18	19°33	21°37	17°51	16°47	29°54	4°12	W 7
T 8	1 35 1	21°56'58	13°33	15° 4	9°37	3°35	2°47	28°45	19°19	19°35	21°37	17°42	16°44	0♐ 0	4°10	T 8
F 9	1 38 57	22°56'54	25°24	16°15	10°52	4°17	3° 0	28°49	19°19	19°37	21°37	17°36	16°41	0° 7	4° 9	F 9
S 10	1 42 54	23°56'52	7♑19	17°23	12° 7	4°59	3°13	28°53	19°20	19°39	21°38	17°32	16°38	0°14	4° 7	S 10
S 11	1 46 51	24°56'51	19°23	18°29	13°22	5°41	3°26	28°57	19°20	19°41	21°38	17°30	16°35	0°21	4° 6	S 11
M12	1 50 47	25°56'52	1♒42	19°33	14°36	6°23	3°39	29° 2	19°21	19°43	21°38	17°D30	16°31	0°27	4° 4	M12
T 13	1 54 44	26°56'54	14°21	20°33	15°51	7° 5	3°52	29° 6	19°21	19°45	21°39	17°R31	16°28	0°34	4° 3	T 13
W14	1 58 40	27°56'58	27°23	21°31	17° 6	7°48	4° 6	29°10	19°21	19°47	21°39	17°30	16°25	0°41	4° 1	W14
T 15	2 2 37	28°57'04	10♓54	22°26	18°20	8°30	4°19	29°15	19°21	19°49	21°40	17°28	16°22	0°47	4° 0	T 15
F 16	2 6 33	29°57'11	24°54	23°17	19°35	9°12	4°32	29°20	19°22	19°50	21°40	17°24	16°19	0°54	3°59	F 16
S 17	2 10 30	0♏57'20	9♈23	24° 3	20°50	9°54	4°45	29°24	19°22	19°52	21°41	17°16	16°16	1° 1	3°57	S 17
S 18	2 14 26	1°57'30	24°16	24°45	22° 4	10°37	4°58	29°29	19°R22	19°54	21°42	17° 7	16°12	1° 8	3°56	S 18
M19	2 18 23	2°57'43	9♉24	25°22	23°19	11°19	5°12	29°34	19°22	19°56	21°42	16°56	16° 9	1°14	3°55	M19
T 20	2 22 20	3°57'57	24°38	25°53	24°34	12° 2	5°25	29°39	19°22	19°58	21°43	16°45	16° 6	1°21	3°54	T 20
W21	2 26 16	4°58'13	9♊45	26°18	25°48	12°44	5°38	29°44	19°21	19°59	21°43	16°35	16° 3	1°28	3°53	W21
T 22	2 30 13	5°58'32	24°38	26°35	27° 3	13°27	5°51	29°49	19°21	20° 1	21°44	16°27	16° 0	1°34	3°52	T 22
F 23	2 34 9	6°58'52	9♋ 8	26°45	28°18	14°10	6° 5	29°54	19°21	20° 3	21°45	16°22	15°57	1°41	3°51	F 23
S 24	2 38 6	7°59'15	23°13	26°R46	29°32	14°52	6°18	29°59	19°21	20° 4	21°46	16°20	15°53	1°48	3°50	S 24
S 25	2 42 2	8°59'39	6♌53	26°38	0♐47	15°35	6°31	0♑ 4	19°20	20° 6	21°46	16°20	15°50	1°55	3°50	S 25
M26	2 45 59	10° 0'05	20°10	26°21	2° 2	16°18	6°44	0°10	19°20	20° 7	21°47	16°20	15°47	2° 1	3°49	M26
T 27	2 49 55	11° 0'33	3♍ 6	25°53	3°16	17° 1	6°58	0°15	19°20	20° 9	21°48	16°19	15°44	2° 8	3°48	T 27
W28	2 53 52	12° 1'03	15°46	25°15	4°31	17°44	7°11	0°20	19°19	20°11	21°49	16°16	15°41	2°15	3°48	W28
T 29	2 57 49	13° 1'35	28°13	24°27	5°45	18°27	7°24	0°26	19°18	20°12	21°50	16°11	15°37	2°21	3°47	T 29
F 30	3 1 45	14° 2'08	10♎29	23°30	7° 0	19°10	7°37	0°31	19°18	20°14	21°51	16° 2	15°34	2°28	3°47	F 30
S 31	3 5 42	15♏ 2'44	22♎38	22♏23	8♐15	19♏53	7♏50	0♑37	19♋17	20♍15	21♑52	15♒51	15♒31	2♐35	3♓46	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s55	2n 9	2s32	15s30	1s59	11s25	0n27	10s56	0n 8	11s 2	0n59	22s57	0n35	22n36	0n27	5n23	1n15	25s36	3s52	15s14	15s46	24s58	4s56	5n23
F 2	6 18	3s38	3 26	16 2	2 5	11 53	0 24	11 12	0 7	11 7	0 59	22 57	0 34	22 36	0 27	5 22	1 15	25 36	3 52	15 16	15 47	25 0	4 57	5 22
S 3	6 41	9 12	4 9	16 33	2 11	12 21	0 22	11 27	0 7	11 12	0 59	22 57	0 34	22 36	0 27	5 21	1 15	25 36	3 52	15 19	15 48	25 1	4 58	5 22
S 4	7 4	14 21	4 40	17 4	2 16	12 49	0 20	11 42	0 6	11 16	0 59	22 57	0 34	22 35	0 27	5 21	1 15	25 36	3 52	15 22	15 49	25 2	4 59	5 22
M 5	7 27	18 53	4 58	17 33	2 21	13 16	0 17	11 57	0 5	11 21	0 58	22 57	0 34	22 35	0 27	5 20	1 15	25 36	3 52	15 26	15 50	25 3	5 0	5 21
T 6	7 50	22 37	5 3	18 1	2 26	13 43	0 15	12 13	0 5	11 25	0 58	22 58	0 34	22 35	0 27	5 19	1 15	25 36	3 51	15 29	15 51	25 5	5 1	5 21
W 7	8 13	25 23	4 54	18 28	2 31	14 10	0 12	12 27	0 4	11 30	0 58	22 58	0 34	22 35	0 27	5 18	1 15	25 36	3 51	15 33	15 52	25 6	5 1	5 21
T 8	8 35	27 2	4 33	18 53	2 35	14 36	0 10	12 42	0 4	11 34	0 58	22 58	0 34	22 35	0 27	5 18	1 15	25 36	3 51	15 35	15 53	25 7	5 2	5 21
F 9	8 57	27 27	4 0	19 18	2 39	15 2	0 7	12 57	0 3	11 39	0 58	22 58	0 34	22 35	0 27	5 17	1 15	25 36	3 51	15 37	15 54	25 9	5 3	5 20
S 10	9 20	26 36	3 16	19 41	2 43	15 27	0 5	13 12	0 2	11 44	0 58	22 58	0 33	22 35	0 27	5 16	1 15	25 36	3 51	15 38	15 55	25 10	5 4	5 20
S 11	9 42	24 30	2 24	20 3	2 46	15 53	0 2	13 27	0 2	11 48	0 58	22 58	0 33	22 35	0 27	5 15	1 15	25 36	3 51	15 39	15 56	25 11	5 5	5 20
M12	10 4	21 12	1 23	20 23	2 48	16 17	0s 0	13 41	0 1	11 53	0 58	22 59	0 33	22 35	0 27	5 15	1 16	25 36	3 51	15 39	15 57	25 12	5 6	5 19
T 13	10 26	16 52	0 17	20 42	2 50	16 42	0 3	13 56	0 0	11 57	0 58	22 59	0 33	22 35	0 27	5 14	1 16	25 35	3 51	15 39	15 58	25 14	5 6	5 19
W14	10 47	11 37	0n52	20 59	2 52	17 6	0 6	14 10	0s 0	12 2	0 58	22 59	0 33	22 35	0 27	5 13	1 16	25 35	3 51	15 39	15 59	25 15	5 7	5 19
T 15	11 9	5 39	2 1	21 14	2 53	17 29	0 8	14 24	0 1	12 6	0 58	22 59	0 33	22 35	0 27	5 13	1 16	25 35	3 51	15 40	16 0	25 16	5 8	5 18
F 16	11 30	0n47	3 4	21 27	2 53	17 52	0 11	14 38	0 1	12 11	0 58	22 59	0 33	22 35	0 28	5 12	1 16	25 35	3 51	15 41	16 1	25 17	5 9	5 18
S 17	11 51	7 23	3 58	21 39	2 53	18 15	0 13	14 52	0 2	12 15	0 58	22 59	0 33	22 35	0 28	5 11	1 16	25 35	3 51	15 43	16 2	25 19	5 10	5 18
S 18	12 12	13 44	4 37	21 48	2 51	18 37	0 16	15 6	0 3	12 20	0 58	22 59	0 33	22 35	0 28	5 10	1 16	25 35	3 51	15 46	16 3	25 20	5 10	5 18
M19	12 33	19 23	4 58	21 55	2 49	18 59	0 19	15 20	0 3	12 24	0 58	23 0	0 32	22 35	0 28	5 10	1 16	25 35	3 51	15 49	16 3	25 21	5 11	5 17
T 20	12 53	23 49	4 58	21 59	2 45	19 20	0 21	15 34	0 4	12 29	0 57	23 0	0 32	22 35	0 28	5 9	1 16	25 35	3 51	15 53	16 4	25 22	5 12	5 17
W21	13 14	26 34	4 37	22 0	2 41	19 40	0 24	15 48	0 4	12 33	0 57	23 0	0 32	22 35	0 28	5 9	1 16	25 34	3 51	15 56	16 5	25 23	5 12	5 17
T 22	13 34	27 22	3 57	21 59	2 35	20 0	0 26	16 1	0 5	12 37	0 57	23 0	0 32	22 35	0 28	5 8	1 16	25 34	3 51	15 58	16 6	25 25	5 13	5 16
F 23	13 54	26 16	3 3	21 54	2 28	20 20	0 29	16 14	0 6	12 42	0 57	23 0	0 32	22 35	0 28	5 7	1 16	25 34	3 51	15 59	16 7	25 26	5 14	5 16
S 24	14 14	23 29	1 59	21 47	2 20	20 39	0 32	16 28	0 6	12 46	0 57	23 0	0 32	22 35	0 28	5 7	1 16	25 34	3 51	16 0	16 8	25 27	5 14	5 16
S 25	14 33	19 26	0 50	21 35	2 10	20 57	0 34	16 41	0 7	12 51	0 57	23 0	0 32	22 36	0 28	5 6	1 16	25 34	3 51	16 0	16 9	25 28	5 15	5 15
M26	14 52	14 30	0s20	21 20	1 58	21 15	0 37	16 54	0 8	12 55	0 57	23 0	0 32	22 36	0 28	5 5	1 16	25 34	3 51	16 0	16 10	25 29	5 15	5 15
T 27	15 11	9 3	1 27	21 0	1 45	21 32	0 39	17 7	0 8	12 59	0 57	23 1	0 32	22 36	0 28	5 5	1 16	25 34	3 51	16 1	16 11	25 30	5 16	5 15
W28	15 30	3 21	2 29	20 37	1 30	21 49	0 42	17 20	0 9	13 4	0 57	23 1	0 31	22 36	0 28	5 4	1 16	25 33	3 51	16 1	16 12	25 31	5 16	5 14
T 29	15 49	2s22	3 22	20 9	1 14	22 5	0 44	17 32	0 9	13 8	0 57	23 1	0 31	22 36	0 28	5 4	1 16	25 33	3 51	16 3	16 13	25 33	5 17	5 14
F 30	16 7	7 54	4 4	19 37	0 56	22 20	0 47	17 45	0 10	13 13	0 57	23 1	0 31	22 36	0 28	5 3	1 16	25 33	3 51	16 6	16 14	25 34	5 17	5 14
S 31	16s25	13s 5	4s35	19s 2	0s37	22s35	0s49	17s57	0s11	13s17	0n57	23s 1	0n31	22n36	0n28	5n 3	1n16	25s33	3s51	16s 9	16s15	25s35	5s18	5n13

Julian Day Number = 2189581.5, Delta T = 10m51s
Ecliptic obliquity = 23°32'04, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'15, Lahiri = 13°51'15 Julian Calendar 1 Oct. 1282 == Greg. Calendar 8 Oct. 1282

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ASTRODIENST EPHEMERIS for the year 1282
geocentric

NOVEMBER 1282 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 9 38	16♏ 3'21	4♏40	21°R10	9♐29	20♏36	8♏ 4	0♑43	19°R16	20♍17	21♑53	15°R37	15♒28	2♐42	3°R46	S 1
M 2	3 13 35	17° 3'59	16°38	19♏51	10°44	21°19	8°17	0°48	19♋16	20°18	21°54	15♒22	15°25	2°48	3♓45	M 2
T 3	3 17 31	18° 4'40	28°31	18°30	11°59	22° 3	8°30	0°54	19°15	20°19	21°55	15° 7	15°22	2°55	3°45	T 3
W 4	3 21 28	19° 5'21	10♐23	17° 9	13°13	22°46	8°43	1° 0	19°14	20°21	21°56	14°53	15°18	3° 2	3°45	W 4
T 5	3 25 24	20° 6'04	22°13	15°50	14°28	23°29	8°56	1° 6	19°13	20°22	21°57	14°41	15°15	3° 8	3°45	T 5
F 6	3 29 21	21° 6'48	4♑ 4	14°37	15°42	24°13	9° 9	1°12	19°12	20°23	21°58	14°32	15°12	3°15	3°45	F 6
S 7	3 33 18	22° 7'34	16° 0	13°31	16°57	24°56	9°23	1°18	19°11	20°25	21°59	14°27	15° 9	3°22	3°D45	S 7
S 8	3 37 14	23° 8'20	28° 4	12°34	18°11	25°40	9°36	1°24	19°10	20°26	22° 0	14°24	15° 6	3°29	3°45	S 8
M 9	3 41 11	24° 9'08	10♒20	11°48	19°26	26°23	9°49	1°30	19° 9	20°27	22° 1	14°D23	15° 2	3°35	3°45	M 9
T 10	3 45 7	25° 9'56	22°53	11°13	20°40	27° 7	10° 2	1°36	19° 8	20°28	22° 2	14°R23	14°59	3°42	3°45	T 10
W11	3 49 4	26°10'46	5♓49	10°50	21°55	27°51	10°15	1°42	19° 6	20°29	22° 4	14°22	14°56	3°49	3°45	W11
T 12	3 53 0	27°11'36	19°11	10°39	23°10	28°34	10°28	1°48	19° 5	20°31	22° 5	14°21	14°53	3°56	3°45	T 12
F 13	3 56 57	28°12'27	3♈ 3	10°D38	24°24	29°18	10°41	1°54	19° 4	20°32	22° 6	14°17	14°50	4° 2	3°46	F 13
S 14	4 0 53	29°13'20	17°25	10°48	25°38	0♐ 2	10°54	2° 1	19° 2	20°33	22° 7	14°10	14°47	4° 9	3°46	S 14
S 15	4 4 50	0♐14'13	2♉14	11° 7	26°53	0°46	11° 7	2° 7	19° 1	20°34	22° 9	14° 1	14°43	4°16	3°47	S 15
M16	4 8 47	1°15'07	17°25	11°35	28° 7	1°30	11°19	2°13	19° 0	20°35	22°10	13°50	14°40	4°22	3°47	M16
T 17	4 12 43	2°16'02	2♊46	12°11	29°22	2°14	11°32	2°20	18°58	20°36	22°11	13°39	14°37	4°29	3°48	T 17
W18	4 16 40	3°16'58	18° 7	12°54	0♑36	2°58	11°45	2°26	18°56	20°37	22°13	13°29	14°34	4°36	3°48	W18
T 19	4 20 36	4°17'56	3♋15	13°43	1°51	3°42	11°58	2°33	18°55	20°38	22°14	13°22	14°31	4°43	3°49	T 19
F 20	4 24 33	5°18'54	18° 2	14°37	3° 5	4°26	12°11	2°39	18°53	20°39	22°15	13°17	14°28	4°49	3°50	F 20
S 21	4 28 29	6°19'54	2♌22	15°36	4°19	5°10	12°23	2°46	18°52	20°39	22°17	13°14	14°24	4°56	3°50	S 21
S 22	4 32 26	7°20'54	16°13	16°39	5°34	5°54	12°36	2°52	18°50	20°40	22°18	13°D14	14°21	5° 3	3°51	S 22
M23	4 36 23	8°21'56	29°36	17°46	6°48	6°39	12°49	2°59	18°48	20°41	22°20	13°14	14°18	5° 9	3°52	M23
T 24	4 40 19	9°22'59	12♍34	18°56	8° 2	7°23	13° 1	3° 6	18°46	20°42	22°21	13°R15	14°15	5°16	3°53	T 24
W25	4 44 16	10°24'03	25°12	20° 9	9°17	8° 7	13°14	3°12	18°44	20°42	22°23	13°13	14°12	5°23	3°54	W25
T 26	4 48 12	11°25'08	7♎33	21°24	10°31	8°52	13°26	3°19	18°43	20°43	22°24	13°10	14° 8	5°30	3°55	T 26
F 27	4 52 9	12°26'14	19°42	22°41	11°45	9°36	13°39	3°26	18°41	20°44	22°26	13° 4	14° 5	5°36	3°56	F 27
S 28	4 56 5	13°27'21	1♏43	24° 0	12°59	10°21	13°51	3°33	18°39	20°44	22°27	12°55	14° 2	5°43	3°58	S 28
S 29	5 0 2	14°28'28	13°38	25°21	14°14	11° 5	14° 3	3°40	18°37	20°45	22°29	12°45	13°59	5°50	3°59	S 29
M30	5 3 58	15♐29'37	25♏31	26♏43	15♑28	11♐50	14♏16	3♑46	18♋35	20♍46	22♑31	12♒33	13♒56	5♐56	4♓ 0	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s43	17s44	4s54	18s23	0s17	22s49	0s52	18s 9	0s11	13s21	0n57	23s 1	0n31	22n36	0n28	5n 2	1n16	25s33	3s51	16s13	16s16	25s36	5s18	5n13
M 2	17 0	21 38	4 59	17 43	0n 4	23 2	0 54	18 21	0 12	13 25	0 57	23 1	0 31	22 36	0 28	5 2	1 16	25 33	3 51	16 18	16 17	25 37	5 19	5 12
T 3	17 17	24 38	4 51	17 0	0 25	23 15	0 56	18 33	0 12	13 30	0 57	23 1	0 31	22 37	0 28	5 1	1 16	25 32	3 51	16 22	16 18	25 38	5 19	5 12
W 4	17 34	26 33	4 30	16 18	0 45	23 27	0 59	18 45	0 13	13 34	0 57	23 1	0 31	22 37	0 28	5 1	1 16	25 32	3 51	16 26	16 19	25 39	5 20	5 12
T 5	17 50	27 16	3 58	15 37	1 4	23 38	1 1	18 56	0 14	13 38	0 57	23 1	0 31	22 37	0 28	5 0	1 16	25 32	3 51	16 30	16 20	25 40	5 20	5 11
F 6	18 6	26 44	3 16	14 59	1 22	23 49	1 3	19 8	0 14	13 42	0 57	23 1	0 30	22 37	0 28	5 0	1 16	25 32	3 51	16 32	16 20	25 41	5 20	5 11
S 7	18 22	24 57	2 24	14 24	1 38	23 59	1 6	19 19	0 15	13 47	0 57	23 1	0 30	22 37	0 28	4 59	1 17	25 32	3 51	16 34	16 21	25 42	5 21	5 11
S 8	18 38	22 1	1 25	13 53	1 53	24 8	1 8	19 30	0 15	13 51	0 57	23 1	0 30	22 37	0 28	4 59	1 17	25 31	3 51	16 35	16 22	25 43	5 21	5 10
M 9	18 53	18 4	0 21	13 27	2 5	24 16	1 10	19 41	0 16	13 55	0 57	23 1	0 30	22 38	0 28	4 58	1 17	25 31	3 51	16 35	16 23	25 44	5 21	5 10
T 10	19 8	13 14	0n45	13 7	2 15	24 24	1 12	19 52	0 17	13 59	0 57	23 1	0 30	22 38	0 28	4 58	1 17	25 31	3 51	16 35	16 24	25 46	5 22	5 10
W11	19 22	7 42	1 51	12 52	2 23	24 31	1 14	20 2	0 17	14 3	0 57	23 1	0 30	22 38	0 28	4 57	1 17	25 31	3 51	16 35	16 25	25 47	5 22	5 9
T 12	19 37	1 39	2 53	12 43	2 29	24 38	1 16	20 13	0 18	14 7	0 57	23 1	0 30	22 38	0 28	4 57	1 17	25 31	3 51	16 36	16 26	25 48	5 22	5 9
F 13	19 50	4n41	3 47	12 39	2 33	24 43	1 18	20 23	0 18	14 11	0 57	23 1	0 30	22 38	0 28	4 57	1 17	25 30	3 51	16 37	16 27	25 49	5 22	5 9
S 14	20 4	11 0	4 30	12 39	2 36	24 48	1 20	20 33	0 19	14 15	0 57	23 1	0 30	22 39	0 28	4 56	1 17	25 30	3 51	16 39	16 28	25 50	5 22	5 8
S 15	20 17	16 54	4 55	12 44	2 37	24 52	1 22	20 43	0 20	14 19	0 57	23 1	0 30	22 39	0 28	4 56	1 17	25 30	3 51	16 41	16 29	25 51	5 23	5 8
M16	20 30	21 54	5 1	12 53	2 37	24 55	1 24	20 52	0 20	14 23	0 57	23 1	0 29	22 39	0 28	4 56	1 17	25 30	3 51	16 44	16 30	25 52	5 23	5 8
T 17	20 42	25 27	4 45	13 5	2 35	24 58	1 26	21 2	0 21	14 27	0 57	23 1	0 29	22 39	0 29	4 55	1 17	25 29	3 51	16 48	16 31	25 53	5 23	5 7
W18	20 54	27 8	4 9	13 21	2 33	25 0	1 28	21 11	0 22	14 31	0 57	23 1	0 29	22 40	0 29	4 55	1 17	25 29	3 51	16 50	16 32	25 54	5 23	5 7
T 19	21 5	26 45	3 15	13 39	2 29	25 1	1 29	21 20	0 22	14 35	0 57	23 1	0 29	22 40	0 29	4 55	1 17	25 29	3 51	16 53	16 33	25 55	5 23	5 7
F 20	21 16	24 27	2 10	13 59	2 25	25 1	1 31	21 29	0 23	14 39	0 57	23 1	0 29	22 40	0 29	4 54	1 17	25 29	3 51	16 54	16 34	25 56	5 23	5 6
S 21	21 27	20 39	0 57	14 20	2 20	25 0	1 33	21 38	0 23	14 43	0 57	23 1	0 29	22 40	0 29	4 54	1 17	25 28	3 51	16 55	16 34	25 56	5 23	5 6
S 22	21 37	15 47	0s16	14 44	2 15	24 59	1 34	21 46	0 24	14 47	0 57	23 1	0 29	22 41	0 29	4 54	1 17	25 28	3 51	16 55	16 35	25 57	5 23	5 5
M23	21 47	10 19	1 26	15 8	2 9	24 57	1 36	21 54	0 24	14 51	0 57	23 1	0 29	22 41	0 29	4 53	1 17	25 28	3 51	16 55	16 36	25 58	5 23	5 5
T 24	21 57	4 34	2 30	15 33	2 3	24 54	1 37	22 2	0 25	14 54	0 57	23 1	0 29	22 41	0 29	4 53	1 17	25 28	3 51	16 55	16 37	25 59	5 23	5 5
W25	22 6	1s12	3 24	15 59	1 56	24 51	1 38	22 10	0 26	14 58	0 57	23 1	0 29	22 42	0 29	4 53	1 17	25 27	3 51	16 55	16 38	26 0	5 23	5 4
T 26	22 14	6 48	4 8	16 26	1 49	24 46	1 40	22 18	0 26	15 2	0 57	23 1	0 29	22 42	0 29	4 53	1 17	25 27	3 51	16 56	16 39	26 1	5 23	5 4
F 27	22 23	12 2	4 39	16 52	1 42	24 41	1 41	22 25	0 27	15 6	0 57	23 1	0 28	22 42	0 29	4 52	1 18	25 27	3 51	16 58	16 40	26 2	5 23	5 4
S 28	22 30	16 46	4 58	17 19	1 35	24 35	1 42	22 32	0 27	15 9	0 57	23 1	0 28	22 42	0 29	4 52	1 18	25 27	3 51	17 0	16 41	26 3	5 23	5 3
S 29	22 38	20 49	5 4	17 46	1 27	24 29	1 43	22 39	0 28	15 13	0 57	23 1	0 28	22 43	0 29	4 52	1 18	25 26	3 51	17 3	16 42	26 4	5 23	5 3
M30	22s44	24s 0	4s56	18s12	1n20	24s21	1s44	22s46	0s29	15s17	0n57	23s 1	0n28	22n43	0n29	4n52	1n18	25s26	3s51	17s 6	16s43	26s 5	5s23	5n 3

Julian Day Number = 2189612.5, Delta T = 10m51s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'19, Lahiri = 13°51'19 Julian Calendar 1 Nov. 1282 == Greg. Calendar 8 Nov. 1282

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ASTRODIENST EPHEMERIS for the year 1282
geocentric

DECEMBER 1282 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 7 55	16♐30'46	7♐22	28♏ 6	16♑42	12♐35	14♏28	3♑53	18°R33	20♍46	22♑32	12°R21	13♒53	6♐ 3	4♓ 2	T 1
W 2	5 11 52	17°31'56	19°14	29°30	17°56	13°19	14°40	4° 0	18♋30	20°47	22°34	12♒10	13°49	6°10	4° 3	W 2
T 3	5 15 48	18°33'06	1♑ 8	0♐55	19°10	14° 4	14°52	4° 7	18°28	20°47	22°35	12° 1	13°46	6°17	4° 4	T 3
F 4	5 19 45	19°34'17	13° 5	2°21	20°24	14°49	15° 4	4°14	18°26	20°47	22°37	11°54	13°43	6°23	4° 6	F 4
S 5	5 23 41	20°35'28	25° 8	3°48	21°39	15°34	15°16	4°21	18°24	20°48	22°39	11°50	13°40	6°30	4° 8	S 5
S 6	5 27 38	21°36'39	7♒18	5°15	22°53	16°19	15°28	4°28	18°22	20°48	22°40	11°D49	13°37	6°37	4° 9	S 6
M 7	5 31 34	22°37'50	19°39	6°43	24° 7	17° 4	15°40	4°35	18°19	20°48	22°42	11°49	13°34	6°43	4°11	M 7
T 8	5 35 31	23°39'01	2♓14	8°11	25°21	17°49	15°52	4°42	18°17	20°49	22°44	11°50	13°30	6°50	4°13	T 8
W 9	5 39 27	24°40'12	15° 8	9°40	26°35	18°34	16° 4	4°49	18°15	20°49	22°46	11°51	13°27	6°57	4°14	W 9
T 10	5 43 24	25°41'24	28°24	11° 9	27°49	19°19	16°16	4°56	18°13	20°49	22°47	11°R52	13°24	7° 4	4°16	T 10
F 11	5 47 21	26°42'35	12♈ 4	12°39	29° 2	20° 4	16°27	5° 3	18°10	20°49	22°49	11°50	13°21	7°10	4°18	F 11
S 12	5 51 17	27°43'45	26°11	14° 9	0♒16	20°49	16°39	5°10	18° 8	20°50	22°51	11°47	13°18	7°17	4°20	S 12
S 13	5 55 14	28°44'56	10♉44	15°40	1°30	21°34	16°50	5°17	18° 5	20°50	22°53	11°42	13°14	7°24	4°22	S 13
M14	5 59 10	29°46'07	25°38	17°11	2°44	22°20	17° 2	5°24	18° 3	20°50	22°54	11°36	13°11	7°30	4°24	M14
T 15	6 3 7	0♑47'18	10♊47	18°42	3°58	23° 5	17°13	5°31	18° 1	20°50	22°56	11°30	13° 8	7°37	4°26	T 15
W16	6 7 3	1°48'28	26° 1	20°14	5°11	23°50	17°24	5°38	17°58	20°R50	22°58	11°24	13° 5	7°44	4°28	W16
T 17	6 11 0	2°49'38	11♋ 8	21°46	6°25	24°36	17°35	5°45	17°56	20°50	23° 0	11°19	13° 2	7°51	4°31	T 17
F 18	6 14 57	3°50'49	26° 0	23°19	7°39	25°21	17°47	5°52	17°53	20°50	23° 2	11°16	12°59	7°57	4°33	F 18
S 19	6 18 53	4°51'59	10♌30	24°51	8°52	26° 7	17°58	5°59	17°51	20°50	23° 4	11°D15	12°55	8° 4	4°35	S 19
S 20	6 22 50	5°53'09	24°32	26°25	10° 6	26°52	18° 8	6° 6	17°48	20°49	23° 5	11°16	12°52	8°11	4°37	S 20
M21	6 26 46	6°54'19	8♍ 6	27°58	11°19	27°38	18°19	6°13	17°45	20°49	23° 7	11°17	12°49	8°17	4°40	M21
T 22	6 30 43	7°55'30	21°13	29°32	12°33	28°23	18°30	6°20	17°43	20°49	23° 9	11°19	12°46	8°24	4°42	T 22
W23	6 34 39	8°56'40	3♎56	1♑ 7	13°46	29° 9	18°41	6°28	17°40	20°49	23°11	11°R20	12°43	8°31	4°45	W23
T 24	6 38 36	9°57'50	16°20	2°42	14°59	29°55	18°51	6°35	17°38	20°49	23°13	11°20	12°40	8°37	4°47	T 24
F 25	6 42 32	10°59'00	28°30	4°17	16°13	0♑40	19° 2	6°42	17°35	20°48	23°15	11°18	12°36	8°44	4°50	F 25
S 26	6 46 29	12° 0'10	10♏28	5°53	17°26	1°26	19°12	6°49	17°33	20°48	23°17	11°15	12°33	8°51	4°52	S 26
S 27	6 50 26	13° 1'20	22°21	7°29	18°39	2°12	19°23	6°56	17°30	20°48	23°18	11°11	12°30	8°58	4°55	S 27
M28	6 54 22	14° 2'30	4♐12	9° 6	19°52	2°58	19°33	7° 3	17°27	20°47	23°20	11° 6	12°27	9° 4	4°58	M28
T 29	6 58 19	15° 3'39	16° 3	10°43	21° 5	3°44	19°43	7°10	17°25	20°47	23°22	11° 1	12°24	9°11	5° 0	T 29
W30	7 2 15	16° 4'48	27°57	12°21	22°18	4°29	19°53	7°17	17°22	20°46	23°24	10°57	12°21	9°18	5° 3	W30
T 31	7 6 12	17♑ 5'56	9♑57	13♑59	23♒31	5♑15	20♏ 3	7♑24	17♋20	20♍46	23♑26	10♒53	12♒17	9♐24	5♓ 6	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s51	26s 9	4s36	18s39	1n12	24s13	1s45	22s53	0s29	15s20	0n57	23s 0	0n28	22n43	0n29	4n52	1n18	25s26	3s51	17s10	16s44	26s 6	5s22	5n 2
W 2	22 57	27 8	4 3	19 4	1 5	24 5	1 46	22 59	0 30	15 24	0 57	23 0	0 28	22 44	0 29	4 52	1 18	25 26	3 51	17 13	16 45	26 7	5 22	5 2
T 3	23 2	26 52	3 20	19 30	0 57	23 55	1 47	23 5	0 30	15 27	0 57	23 0	0 28	22 44	0 29	4 52	1 18	25 25	3 51	17 15	16 45	26 7	5 22	5 2
F 4	23 7	25 21	2 28	19 55	0 49	23 45	1 47	23 11	0 31	15 31	0 57	23 0	0 28	22 44	0 29	4 51	1 18	25 25	3 51	17 17	16 46	26 8	5 22	5 1
S 5	23 12	22 39	1 29	20 19	0 42	23 34	1 48	23 16	0 32	15 34	0 57	23 0	0 28	22 45	0 29	4 51	1 18	25 25	3 51	17 18	16 47	26 9	5 21	5 1
S 6	23 16	18 55	0 24	20 42	0 34	23 22	1 49	23 22	0 32	15 38	0 57	23 0	0 28	22 45	0 29	4 51	1 18	25 25	3 51	17 19	16 48	26 10	5 21	5 1
M 7	23 20	14 19	0n42	21 5	0 26	23 10	1 49	23 27	0 33	15 41	0 57	23 0	0 28	22 45	0 29	4 51	1 18	25 24	3 51	17 19	16 49	26 11	5 21	5 0
T 8	23 23	9 2	1 48	21 27	0 19	22 57	1 50	23 31	0 33	15 45	0 57	22 59	0 28	22 46	0 29	4 51	1 18	25 24	3 51	17 18	16 50	26 12	5 21	5 0
W 9	23 26	3 16	2 50	21 48	0 12	22 43	1 50	23 36	0 34	15 48	0 57	22 59	0 27	22 46	0 29	4 51	1 18	25 24	3 51	17 18	16 51	26 12	5 20	5 0
T 10	23 28	2n48	3 45	22 8	0 4	22 29	1 50	23 40	0 34	15 51	0 57	22 59	0 27	22 46	0 29	4 51	1 18	25 24	3 51	17 18	16 52	26 13	5 20	5 0
F 11	23 30	8 54	4 29	22 27	0s 3	22 14	1 50	23 45	0 35	15 55	0 57	22 59	0 27	22 47	0 29	4 51	1 18	25 23	3 51	17 18	16 53	26 14	5 19	4 59
S 12	23 31	14 46	4 58	22 45	0 10	21 58	1 51	23 48	0 36	15 58	0 57	22 59	0 27	22 47	0 29	4 51	1 18	25 23	3 51	17 19	16 54	26 15	5 19	4 59
S 13	23 32	19 59	5 9	23 3	0 17	21 42	1 51	23 52	0 36	16 1	0 57	22 59	0 27	22 47	0 29	4 51	1 18	25 23	3 51	17 21	16 55	26 16	5 19	4 59
M14	23 32	24 6	5 0	23 19	0 24	21 25	1 51	23 55	0 37	16 4	0 57	22 58	0 27	22 48	0 29	4 51	1 18	25 23	3 51	17 22	16 56	26 16	5 18	4 58
T 15	23 32	26 36	4 30	23 34	0 31	21 8	1 50	23 58	0 37	16 7	0 57	22 58	0 27	22 48	0 29	4 51	1 18	25 22	3 51	17 24	16 56	26 17	5 18	4 58
W16	23 31	27 9	3 41	23 47	0 37	20 50	1 50	24 1	0 38	16 11	0 57	22 58	0 27	22 48	0 29	4 51	1 19	25 22	3 51	17 26	16 57	26 18	5 17	4 58
T 17	23 30	25 40	2 36	24 0	0 44	20 31	1 50	24 4	0 38	16 14	0 57	22 58	0 27	22 49	0 29	4 51	1 19	25 22	3 51	17 27	16 58	26 19	5 17	4 57
F 18	23 29	22 22	1 22	24 12	0 50	20 12	1 49	24 6	0 39	16 17	0 58	22 57	0 27	22 49	0 29	4 51	1 19	25 21	3 51	17 28	16 59	26 19	5 16	4 57
S 19	23 27	17 45	0 4	24 22	0 56	19 52	1 49	24 8	0 39	16 20	0 58	22 57	0 27	22 49	0 29	4 51	1 19	25 21	3 51	17 28	17 0	26 20	5 16	4 57
S 20	23 24	12 16	1s12	24 31	1 2	19 31	1 48	24 10	0 40	16 23	0 58	22 57	0 27	22 50	0 29	4 51	1 19	25 21	3 51	17 28	17 1	26 21	5 15	4 56
M21	23 21	6 23	2 21	24 39	1 7	19 11	1 48	24 11	0 41	16 26	0 58	22 57	0 27	22 50	0 29	4 51	1 19	25 21	3 51	17 28	17 2	26 22	5 14	4 56
T 22	23 18	0 25	3 21	24 45	1 13	18 49	1 47	24 13	0 41	16 29	0 58	22 56	0 27	22 50	0 29	4 52	1 19	25 20	3 51	17 27	17 3	26 22	5 14	4 56
W23	23 14	5s22	4 9	24 50	1 18	18 27	1 46	24 13	0 42	16 31	0 58	22 56	0 26	22 51	0 29	4 52	1 19	25 20	3 51	17 27	17 4	26 23	5 13	4 56
T 24	23 9	10 48	4 44	24 54	1 23	18 5	1 45	24 14	0 42	16 34	0 58	22 56	0 26	22 51	0 29	4 52	1 19	25 20	3 51	17 27	17 5	26 24	5 13	4 55
F 25	23 5	15 43	5 5	24 56	1 28	17 42	1 44	24 15	0 43	16 37	0 58	22 56	0 26	22 51	0 29	4 52	1 19	25 19	3 52	17 27	17 5	26 25	5 12	4 55
S 26	22 59	19 58	5 13	24 57	1 33	17 18	1 43	24 15	0 43	16 40	0 58	22 55	0 26	22 52	0 29	4 52	1 19	25 19	3 52	17 28	17 6	26 25	5 11	4 55
S 27	22 54	23 22	5 7	24 56	1 37	16 55	1 42	24 15	0 44	16 43	0 58	22 55	0 26	22 52	0 29	4 52	1 19	25 19	3 52	17 29	17 7	26 26	5 11	4 55
M28	22 47	25 47	4 48	24 54	1 41	16 30	1 41	24 14	0 44	16 45	0 58	22 55	0 26	22 52	0 29	4 53	1 19	25 19	3 52	17 31	17 8	26 27	5 10	4 54
T 29	22 41	27 3	4 17	24 50	1 45	16 6	1 39	24 14	0 45	16 48	0 58	22 54	0 26	22 53	0 29	4 53	1 19	25 18	3 52	17 32	17 9	26 27	5 9	4 54
W30	22 34	27 5	3 34	24 45	1 48	15 40	1 38	24 13	0 45	16 51	0 58	22 54	0 26	22 53	0 29	4 53	1 19	25 18	3 52	17 33	17 10	26 28	5 8	4 54
T 31	22s26	25s51	2s42	24s38	1s51	15s15	1s36	24s12	0s46	16s53	0n58	22s54	0n26	22n54	0n29	4n53	1n19	25s18	3s52	17s34	17s11	26s29	5s 8	4n53

Julian Day Number = 2189642.5, Delta T = 10m51s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'23, Lahiri = 13°51'23 Julian Calendar 1 Dec. 1282 == Greg. Calendar 8 Dec. 1282

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ASTRODIENST EPHEMERIS for the year 1283
geocentric

JANUARY 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 10 8	18♑ 7'04	22♑ 3	15♑38	24♒44	6♑ 1	20♏13	7♑31	17°R17	20°R45	23♑28	10°R51	12♒14	9♐31	5♓ 9	F 1
S 2	7 14 5	19° 8'11	4♒18	17°17	25°57	6°47	20°22	7°38	17♋14	20♍45	23°30	10♒49	12°11	9°38	5°12	S 2
S 3	7 18 1	20° 9'17	16°43	18°57	27°10	7°33	20°32	7°45	17°12	20°44	23°32	10°D49	12° 8	9°45	5°14	S 3
M 4	7 21 58	21°10'23	29°19	20°38	28°22	8°20	20°41	7°52	17° 9	20°43	23°34	10°50	12° 5	9°51	5°17	M 4
T 5	7 25 55	22°11'27	12♓ 8	22°19	29°35	9° 6	20°51	7°59	17° 6	20°43	23°36	10°52	12° 1	9°58	5°20	T 5
W 6	7 29 51	23°12'30	25°11	24° 1	0♓48	9°52	21° 0	8° 6	17° 4	20°42	23°38	10°53	11°58	10° 5	5°23	W 6
T 7	7 33 48	24°13'33	8♈31	25°43	2° 0	10°38	21° 9	8°13	17° 1	20°41	23°40	10°54	11°55	10°11	5°27	T 7
F 8	7 37 44	25°14'34	22° 9	27°26	3°13	11°24	21°18	8°20	16°59	20°41	23°41	10°R55	11°52	10°18	5°30	F 8
S 9	7 41 41	26°15'34	6♉ 6	29° 9	4°25	12°10	21°27	8°26	16°56	20°40	23°43	10°55	11°49	10°25	5°33	S 9
S 10	7 45 37	27°16'32	20°21	0♒53	5°37	12°57	21°36	8°33	16°54	20°39	23°45	10°54	11°46	10°32	5°36	S 10
M11	7 49 34	28°17'30	4♊52	2°38	6°49	13°43	21°45	8°40	16°51	20°38	23°47	10°52	11°42	10°38	5°39	M11
T 12	7 53 30	29°18'26	19°35	4°23	8° 1	14°29	21°53	8°47	16°48	20°37	23°49	10°51	11°39	10°45	5°42	T 12
W13	7 57 27	0♒19'21	4♋24	6° 9	9°13	15°16	22° 2	8°54	16°46	20°36	23°51	10°50	11°36	10°52	5°46	W13
T 14	8 1 24	1°20'15	19°12	7°55	10°25	16° 2	22°10	9° 0	16°43	20°35	23°53	10°49	11°33	10°58	5°49	T 14
F 15	8 5 20	2°21'08	3♌51	9°41	11°37	16°48	22°18	9° 7	16°41	20°34	23°55	10°D48	11°30	11° 5	5°52	F 15
S 16	8 9 17	3°21'59	18°14	11°28	12°49	17°35	22°26	9°14	16°38	20°34	23°57	10°48	11°27	11°12	5°55	S 16
S 17	8 13 13	4°22'49	2♍16	13°15	14° 0	18°21	22°34	9°20	16°36	20°33	23°59	10°49	11°23	11°18	5°59	S 17
M18	8 17 10	5°23'38	15°54	15° 2	15°12	19° 8	22°42	9°27	16°34	20°31	24° 1	10°49	11°20	11°25	6° 2	M18
T 19	8 21 6	6°24'26	29° 8	16°48	16°23	19°54	22°50	9°34	16°31	20°30	24° 2	10°50	11°17	11°32	6° 6	T 19
W20	8 25 3	7°25'13	11♎58	18°35	17°34	20°41	22°57	9°40	16°29	20°29	24° 4	10°50	11°14	11°39	6° 9	W20
T 21	8 28 59	8°25'59	24°28	20°21	18°45	21°27	23° 4	9°47	16°26	20°28	24° 6	10°50	11°11	11°45	6°12	T 21
F 22	8 32 56	9°26'44	6♏42	22° 6	19°56	22°14	23°12	9°53	16°24	20°27	24° 8	10°R50	11° 7	11°52	6°16	F 22
S 23	8 36 53	10°27'28	18°43	23°51	21° 7	23° 0	23°19	10° 0	16°22	20°26	24°10	10°D50	11° 4	11°59	6°19	S 23
S 24	8 40 49	11°28'11	0♐36	25°34	22°18	23°47	23°26	10° 6	16°19	20°25	24°12	10°50	11° 1	12° 5	6°23	S 24
M25	8 44 46	12°28'53	12°27	27°15	23°29	24°34	23°33	10°12	16°17	20°24	24°14	10°50	10°58	12°12	6°27	M25
T 26	8 48 42	13°29'33	24°19	28°54	24°39	25°20	23°39	10°19	16°15	20°22	24°15	10°51	10°55	12°19	6°30	T 26
W27	8 52 39	14°30'12	6♑16	0♓30	25°50	26° 7	23°46	10°25	16°13	20°21	24°17	10°51	10°52	12°26	6°34	W27
T 28	8 56 35	15°30'50	18°22	2° 3	27° 0	26°54	23°52	10°31	16°10	20°20	24°19	10°52	10°48	12°32	6°37	T 28
F 29	9 0 32	16°31'27	0♒38	3°32	28°10	27°41	23°58	10°38	16° 8	20°18	24°21	10°52	10°45	12°39	6°41	F 29
S 30	9 4 28	17°32'02	13° 8	4°57	29°20	28°27	24° 4	10°44	16° 6	20°17	24°23	10°R52	10°42	12°46	6°45	S 30
S 31	9 8 25	18♒32'35	25♒52	6♓17	0♈30	29♑14	24♏10	10♑50	16♋ 4	20♍16	24♑24	10♒52	10♒39	12♐52	6♓48	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	22s18	23s23	1s41	24s30	1s54	14s49	1s35	24s10	0s46	16s56	0n58	22s53	0n26	22n54	0n29	4n54	1n19	25s18	3s52	17s35	17s12	26s29	5s 7	4n53	F 1
S 2	22 10	19 50	0 36	24 20	1 57	14 23	1 33	24 8	0 47	16 58	0 59	22 53	0 26	22 54	0 29	4 54	1 19	25 17	3 52	17 35	17 13	26 30	5 6	4 53	S 2
S 3	22 1	15 22	0n32	24 9	1 59	13 56	1 31	24 6	0 47	17 1	0 59	22 53	0 26	22 55	0 29	4 54	1 19	25 17	3 52	17 35	17 14	26 31	5 5	4 53	S 3
M 4	21 52	10 11	1 40	23 56	2 1	13 29	1 29	24 4	0 48	17 3	0 59	22 52	0 26	22 55	0 29	4 54	1 20	25 17	3 52	17 35	17 14	26 31	5 4	4 52	M 4
T 5	21 42	4 30	2 44	23 41	2 2	13 2	1 27	24 1	0 48	17 6	0 59	22 52	0 26	22 55	0 29	4 55	1 20	25 17	3 52	17 35	17 15	26 32	5 3	4 52	T 5
W 6	21 32	1n28	3 41	23 25	2 3	12 34	1 25	23 59	0 49	17 8	0 59	22 52	0 26	22 56	0 29	4 55	1 20	25 16	3 52	17 34	17 16	26 32	5 3	4 52	W 6
T 7	21 21	7 29	4 27	23 7	2 4	12 6	1 23	23 56	0 49	17 10	0 59	22 51	0 25	22 56	0 29	4 55	1 20	25 16	3 52	17 34	17 17	26 33	5 2	4 52	T 7
F 8	21 10	13 17	5 0	22 47	2 4	11 38	1 21	23 52	0 50	17 13	0 59	22 51	0 25	22 56	0 29	4 56	1 20	25 16	3 53	17 34	17 18	26 34	5 1	4 52	F 8
S 9	20 59	18 33	5 15	22 26	2 4	11 9	1 19	23 49	0 50	17 15	0 59	22 51	0 25	22 57	0 29	4 56	1 20	25 15	3 53	17 34	17 19	26 34	5 0	4 51	S 9
S 10	20 47	22 55	5 12	22 3	2 3	10 40	1 16	23 45	0 51	17 17	0 59	22 50	0 25	22 57	0 29	4 56	1 20	25 15	3 53	17 34	17 20	26 35	4 59	4 51	S 10
M11	20 35	25 56	4 49	21 38	2 2	10 11	1 14	23 40	0 51	17 19	0 59	22 50	0 25	22 57	0 29	4 57	1 20	25 15	3 53	17 34	17 21	26 35	4 58	4 51	M11
T 12	20 23	27 14	4 7	21 12	2 1	9 42	1 11	23 36	0 52	17 21	0 59	22 49	0 25	22 58	0 29	4 57	1 20	25 15	3 53	17 35	17 21	26 36	4 57	4 51	T 12
W13	20 10	26 36	3 8	20 43	1 59	9 12	1 9	23 31	0 52	17 23	0 59	22 49	0 25	22 58	0 29	4 58	1 20	25 14	3 53	17 35	17 22	26 36	4 56	4 50	W13
T 14	19 56	24 5	1 57	20 14	1 56	8 42	1 6	23 26	0 53	17 25	1 0	22 49	0 25	22 58	0 29	4 58	1 20	25 14	3 53	17 35	17 23	26 37	4 55	4 50	T 14
F 15	19 43	20 0	0 39	19 42	1 53	8 12	1 3	23 21	0 53	17 27	1 0	22 48	0 25	22 58	0 29	4 58	1 20	25 14	3 53	17 36	17 24	26 37	4 54	4 50	F 15
S 16	19 29	14 47	0s41	19 9	1 49	7 42	1 0	23 16	0 54	17 29	1 0	22 48	0 25	22 59	0 29	4 59	1 20	25 14	3 53	17 36	17 25	26 38	4 53	4 50	S 16
S 17	19 14	8 54	1 56	18 35	1 45	7 12	0 57	23 10	0 54	17 31	1 0	22 47	0 25	22 59	0 29	4 59	1 20	25 13	3 53	17 35	17 26	26 39	4 52	4 50	S 17
M18	19 0	2 47	3 3	17 59	1 39	6 41	0 54	23 4	0 55	17 33	1 0	22 47	0 25	22 59	0 29	5 0	1 20	25 13	3 53	17 35	17 27	26 39	4 51	4 50	M18
T 19	18 45	3s17	3 57	17 21	1 34	6 11	0 51	22 57	0 55	17 35	1 0	22 47	0 25	23 0	0 29	5 0	1 20	25 13	3 54	17 35	17 28	26 40	4 50	4 49	T 19
W20	18 29	9 1	4 38	16 42	1 27	5 40	0 48	22 51	0 55	17 37	1 0	22 46	0 25	23 0	0 29	5 1	1 20	25 13	3 54	17 35	17 29	26 40	4 49	4 49	W20
T 21	18 14	14 14	5 5	16 2	1 20	5 9	0 45	22 44	0 56	17 39	1 0	22 46	0 25	23 0	0 29	5 1	1 20	25 13	3 54	17 35	17 29	26 41	4 48	4 49	T 21
F 22	17 58	18 47	5 17	15 20	1 12	4 38	0 41	22 37	0 56	17 40	1 0	22 45	0 25	23 1	0 29	5 2	1 20	25 12	3 54	17 35	17 30	26 41	4 46	4 49	F 22
S 23	17 41	22 29	5 14	14 38	1 4	4 7	0 38	22 30	0 57	17 42	1 0	22 45	0 25	23 1	0 29	5 2	1 20	25 12	3 54	17 35	17 31	26 42	4 45	4 49	S 23
S 24	17 25	25 13	4 59	13 54	0 55	3 35	0 34	22 22	0 57	17 44	1 0	22 44	0 25	23 1	0 29	5 3	1 20	25 12	3 54	17 35	17 32	26 42	4 44	4 48	S 24
M25	17 8	26 51	4 30	13 10	0 45	3 4	0 31	22 14	0 58	17 45	1 1	22 44	0 24	23 1	0 29	5 3	1 20	25 12	3 54	17 35	17 33	26 42	4 43	4 48	M25
T 26	16 50	27 15	3 51	12 26	0 34	2 33	0 27	22 6	0 58	17 47	1 1	22 44	0 24	23 2	0 29	5 4	1 20	25 11	3 54	17 35	17 34	26 43	4 42	4 48	T 26
W27	16 33	26 23	3 0	11 41	0 22	2 1	0 23	21 58	0 58	17 48	1 1	22 43	0 24	23 2	0 29	5 4	1 20	25 11	3 54	17 35	17 35	26 43	4 41	4 48	W27
T 28	16 15	24 17	2 2	10 56	0 10	1 30	0 20	21 49	0 59	17 50	1 1	22 43	0 24	23 2	0 29	5 5	1 21	25 11	3 55	17 35	17 36	26 44	4 39	4 48	T 28
F 29	15 57	21 1	0 56	10 12	0n 3	0 58	0 16	21 40	0 59	17 51	1 1	22 42	0 24	23 2	0 29	5 5	1 21	25 11	3 55	17 35	17 36	26 44	4 38	4 48	F 29
S 30	15 38	16 44	0n13	9 29	0 16	0 27	0 12	21 31	1 0	17 53	1 1	22 42	0 24	23 3	0 29	5 6	1 21	25 11	3 55	17 35	17 37	26 45	4 37	4 48	S 30
S 31	15s20	11s40	1n22	8s46	0n31	0n 5	0s 8	21s22	1s 0	17s54	1n 1	22s41	0n24	23n 3	0n29	5n 6	1n21	25s10	3s55	17s35	17s38	26s45	4s36	4n47	S 31

Julian Day Number = 2189673.5, Delta T = 10m51s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'27, Lahiri = 13°51'28 Julian Calendar 1 Jan. 1283 == Greg. Calendar 8 Jan. 1283

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ASTRODIENST EPHEMERIS for the year 1283
geocentric

FEBRUARY 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 12 22	19♒33'07	8♓50	7♓31	1♈40	0♒ 1	24♏16	10♑56	16°R 2	20°R14	24♑26	10°R51	10♒36	12♐59	6♓52	M 1
T 2	9 16 18	20°33'37	22° 2	8°38	2°50	0°48	24°22	11° 2	16♋ 0	20♍13	24°28	10♒50	10°32	13° 6	6°56	T 2
W 3	9 20 15	21°34'05	5♈27	9°38	3°59	1°34	24°27	11° 8	15°58	20°12	24°30	10°48	10°29	13°12	6°59	W 3
T 4	9 24 11	22°34'31	19° 4	10°31	5° 9	2°21	24°32	11°14	15°56	20°10	24°32	10°47	10°26	13°19	7° 3	T 4
F 5	9 28 8	23°34'55	2♉53	11°15	6°18	3° 8	24°37	11°20	15°54	20° 9	24°33	10°46	10°23	13°26	7° 7	F 5
S 6	9 32 4	24°35'18	16°52	11°50	7°27	3°55	24°42	11°25	15°52	20° 7	24°35	10°45	10°20	13°33	7°10	S 6
S 7	9 36 1	25°35'38	1♊ 0	12°16	8°36	4°42	24°47	11°31	15°50	20° 6	24°37	10°D45	10°17	13°39	7°14	S 7
M 8	9 39 57	26°35'57	15°14	12°33	9°44	5°29	24°52	11°37	15°48	20° 4	24°38	10°46	10°13	13°46	7°18	M 8
T 9	9 43 54	27°36'13	29°32	12°R40	10°53	6°16	24°56	11°43	15°47	20° 3	24°40	10°47	10°10	13°53	7°22	T 9
W10	9 47 51	28°36'27	13♋53	12°37	12° 1	7° 2	25° 1	11°48	15°45	20° 1	24°42	10°48	10° 7	13°59	7°25	W10
T 11	9 51 47	29°36'40	28°11	12°24	13° 9	7°49	25° 5	11°54	15°43	20° 0	24°43	10°49	10° 4	14° 6	7°29	T 11
F 12	9 55 44	0♓36'50	12♌23	12° 2	14°17	8°36	25° 9	11°59	15°42	19°58	24°45	10°R49	10° 1	14°13	7°33	F 12
S 13	9 59 40	1°36'58	26°25	11°32	15°25	9°23	25°12	12° 5	15°40	19°57	24°47	10°49	9°58	14°19	7°37	S 13
S 14	10 3 37	2°37'04	10♍12	10°54	16°33	10°10	25°16	12°10	15°39	19°55	24°48	10°47	9°54	14°26	7°41	S 14
M15	10 7 33	3°37'08	23°42	10° 9	17°40	10°57	25°19	12°15	15°37	19°54	24°50	10°44	9°51	14°33	7°44	M15
T 16	10 11 30	4°37'11	6♎53	9°18	18°47	11°44	25°23	12°20	15°36	19°52	24°51	10°40	9°48	14°40	7°48	T 16
W17	10 15 26	5°37'12	19°43	8°23	19°54	12°31	25°26	12°26	15°34	19°51	24°53	10°36	9°45	14°46	7°52	W17
T 18	10 19 23	6°37'11	2♏16	7°25	21° 1	13°18	25°29	12°31	15°33	19°49	24°54	10°33	9°42	14°53	7°56	T 18
F 19	10 23 20	7°37'08	14°32	6°25	22° 7	14° 5	25°31	12°36	15°31	19°47	24°56	10°30	9°38	15° 0	8° 0	F 19
S 20	10 27 16	8°37'04	26°35	5°25	23°13	14°52	25°34	12°41	15°30	19°46	24°57	10°27	9°35	15° 6	8° 3	S 20
S 21	10 31 13	9°36'58	8♐30	4°26	24°19	15°39	25°36	12°46	15°29	19°44	24°59	10°D27	9°32	15°13	8° 7	S 21
M22	10 35 9	10°36'50	20°21	3°30	25°25	16°26	25°38	12°50	15°28	19°42	25° 0	10°27	9°29	15°20	8°11	M22
T 23	10 39 6	11°36'41	2♑13	2°36	26°31	17°13	25°40	12°55	15°27	19°41	25° 2	10°29	9°26	15°26	8°15	T 23
W24	10 43 2	12°36'30	14°12	1°47	27°36	18° 0	25°42	13° 0	15°25	19°39	25° 3	10°30	9°23	15°33	8°19	W24
T 25	10 46 59	13°36'17	26°21	1° 3	28°41	18°47	25°44	13° 4	15°24	19°38	25° 5	10°32	9°19	15°40	8°22	T 25
F 26	10 50 55	14°36'02	8♒45	0°25	29°46	19°34	25°45	13° 9	15°23	19°36	25° 6	10°R33	9°16	15°46	8°26	F 26
S 27	10 54 52	15°35'46	21°26	29♒52	0♉50	20°21	25°46	13°14	15°23	19°34	25° 7	10°32	9°13	15°53	8°30	S 27
S 28	10 58 49	16♓35'27	4♓27	29♒25	1♉54	21♒ 8	25♏47	13♑18	15♋22	19♍33	25♑ 9	10♒30	9♒10	16♐ 0	8♓34	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	15s 1	6s 0	2n29	8s 5	0n45	0n36	0s 4	21s13	1s 0	17s55	1n 1	22s41	0n24	23n 3	0n29	5n 7	1n21	25s10	3s55	17s35	17s39	26s45	4s35	4n47
T 2	14 42	0n 1	3 29	7 26	1 0	1 8	0n 0	21 3	1 1	17 57	1 1	22 40	0 24	23 3	0 29	5 8	1 21	25 10	3 55	17 35	17 40	26 46	4 33	4 47
W 3	14 22	6 7	4 18	6 49	1 15	1 39	0 4	20 53	1 1	17 58	1 2	22 40	0 24	23 4	0 29	5 8	1 21	25 10	3 55	17 35	17 41	26 46	4 32	4 47
T 4	14 3	12 1	4 54	6 15	1 31	2 11	0 8	20 43	1 1	17 59	1 2	22 40	0 24	23 4	0 29	5 9	1 21	25 10	3 55	17 36	17 42	26 47	4 31	4 47
F 5	13 43	17 25	5 13	5 44	1 46	2 42	0 13	20 32	1 2	18 0	1 2	22 39	0 24	23 4	0 29	5 9	1 21	25 9	3 56	17 36	17 42	26 47	4 30	4 47
S 6	13 23	21 57	5 14	5 16	2 2	3 14	0 17	20 21	1 2	18 1	1 2	22 39	0 24	23 4	0 29	5 10	1 21	25 9	3 56	17 36	17 43	26 47	4 28	4 47
S 7	13 2	25 16	4 57	4 53	2 17	3 45	0 21	20 11	1 2	18 2	1 2	22 38	0 24	23 5	0 29	5 11	1 21	25 9	3 56	17 36	17 44	26 48	4 27	4 47
M 8	12 42	27 2	4 21	4 33	2 31	4 16	0 26	19 59	1 3	18 3	1 2	22 38	0 24	23 5	0 29	5 11	1 21	25 9	3 56	17 36	17 45	26 48	4 26	4 47
T 9	12 21	27 1	3 29	4 18	2 45	4 47	0 30	19 48	1 3	18 4	1 2	22 37	0 24	23 5	0 29	5 12	1 21	25 9	3 56	17 36	17 46	26 48	4 25	4 46
W10	12 0	25 11	2 23	4 7	2 58	5 18	0 35	19 37	1 4	18 5	1 2	22 37	0 24	23 5	0 29	5 12	1 21	25 9	3 56	17 36	17 47	26 49	4 23	4 46
T 11	11 39	21 44	1 9	4 1	3 9	5 49	0 39	19 25	1 4	18 6	1 3	22 36	0 24	23 5	0 29	5 13	1 21	25 8	3 56	17 35	17 48	26 49	4 22	4 46
F 12	11 18	17 1	0s 9	4 0	3 20	6 20	0 44	19 13	1 4	18 7	1 3	22 36	0 24	23 5	0 29	5 14	1 21	25 8	3 56	17 35	17 48	26 49	4 21	4 46
S 13	10 57	11 26	1 25	4 3	3 28	6 50	0 48	19 1	1 4	18 8	1 3	22 36	0 24	23 6	0 29	5 14	1 21	25 8	3 57	17 35	17 49	26 50	4 19	4 46
S 14	10 35	5 23	2 35	4 11	3 35	7 20	0 53	18 48	1 5	18 8	1 3	22 35	0 24	23 6	0 29	5 15	1 21	25 8	3 57	17 36	17 50	26 50	4 18	4 46
M15	10 13	0s46	3 34	4 24	3 40	7 51	0 57	18 36	1 5	18 9	1 3	22 35	0 23	23 6	0 29	5 16	1 21	25 8	3 57	17 37	17 51	26 50	4 17	4 46
T 16	9 51	6 44	4 21	4 40	3 43	8 21	1 2	18 23	1 5	18 10	1 3	22 34	0 23	23 6	0 29	5 16	1 21	25 8	3 57	17 38	17 52	26 51	4 15	4 46
W17	9 29	12 16	4 53	5 0	3 44	8 51	1 7	18 10	1 6	18 10	1 3	22 34	0 23	23 6	0 29	5 17	1 21	25 7	3 57	17 39	17 53	26 51	4 14	4 46
T 18	9 7	17 9	5 10	5 22	3 43	9 20	1 12	17 57	1 6	18 11	1 3	22 33	0 23	23 6	0 29	5 17	1 21	25 7	3 57	17 40	17 54	26 51	4 13	4 46
F 19	8 45	21 14	5 13	5 47	3 39	9 50	1 16	17 43	1 6	18 11	1 3	22 33	0 23	23 7	0 29	5 18	1 21	25 7	3 58	17 41	17 54	26 52	4 11	4 46
S 20	8 22	24 21	5 1	6 14	3 34	10 19	1 21	17 30	1 6	18 12	1 4	22 32	0 23	23 7	0 29	5 19	1 21	25 7	3 58	17 41	17 55	26 52	4 10	4 46
S 21	8 0	26 22	4 37	6 42	3 27	10 48	1 26	17 16	1 7	18 12	1 4	22 32	0 23	23 7	0 29	5 19	1 21	25 7	3 58	17 41	17 56	26 52	4 8	4 46
M22	7 37	27 11	4 1	7 11	3 18	11 17	1 31	17 2	1 7	18 13	1 4	22 32	0 23	23 7	0 29	5 20	1 21	25 7	3 58	17 41	17 57	26 52	4 7	4 46
T 23	7 14	26 45	3 14	7 40	3 8	11 45	1 36	16 48	1 7	18 13	1 4	22 31	0 23	23 7	0 29	5 21	1 21	25 7	3 58	17 41	17 58	26 53	4 6	4 46
W24	6 51	25 5	2 19	8 8	2 56	12 13	1 40	16 34	1 7	18 13	1 4	22 31	0 23	23 7	0 29	5 21	1 21	25 7	3 58	17 40	17 59	26 53	4 4	4 45
T 25	6 28	22 13	1 17	8 35	2 44	12 41	1 45	16 20	1 8	18 14	1 4	22 30	0 23	23 7	0 29	5 22	1 21	25 7	3 59	17 40	18 0	26 53	4 3	4 45
F 26	6 5	18 18	0 10	9 2	2 30	13 9	1 50	16 5	1 8	18 14	1 4	22 30	0 23	23 7	0 29	5 23	1 21	25 6	3 59	17 40	18 0	26 53	4 2	4 45
S 27	5 42	13 29	0n59	9 26	2 16	13 36	1 55	15 50	1 8	18 14	1 4	22 30	0 23	23 8	0 29	5 23	1 21	25 6	3 59	17 40	18 1	26 53	4 0	4 45
S 28	5s19	7s57	2n 7	9s49	2n 2	14n 3	2n 0	15s35	1s 8	18s14	1n 5	22s29	0n23	23n 8	0n29	5n24	1n21	25s 6	3s59	17s41	18s 2	26s54	3s59	4n45

Julian Day Number = 2189704.5, Delta T = 10m51s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'31, Lahiri = 13°51'32 Julian Calendar 1 Feb. 1283 == Greg. Calendar 8 Feb. 1283

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ASTRODIENST EPHEMERIS for the year 1283
geocentric

MARCH 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 2 45	17♓35'07	17♓47	29°R 5	2♉58	21♒55	25♏48	13♑22	15°R21	19°R31	25♑10	10°R26	9♒ 7	16♐ 7	8♓37	M 1
T 2	11 6 42	18°34'44	1♈25	28♒51	4° 2	22°42	25°49	13°27	15♋20	19♍29	25°11	10♒20	9° 4	16°13	8°41	T 2
W 3	11 10 38	19°34'19	15°18	28°43	5° 5	23°29	25°49	13°31	15°19	19°28	25°12	10°14	9° 0	16°20	8°45	W 3
T 4	11 14 35	20°33'52	29°22	28°D42	6° 8	24°16	25°50	13°35	15°19	19°26	25°14	10° 8	8°57	16°27	8°49	T 4
F 5	11 18 31	21°33'23	13♉34	28°46	7°11	25° 3	25°R50	13°39	15°18	19°24	25°15	10° 2	8°54	16°33	8°52	F 5
S 6	11 22 28	22°32'52	27°48	28°55	8°13	25°49	25°50	13°43	15°17	19°23	25°16	9°58	8°51	16°40	8°56	S 6
S 7	11 26 24	23°32'18	12♊ 2	29°10	9°15	26°36	25°49	13°47	15°17	19°21	25°17	9°55	8°48	16°47	9° 0	S 7
M 8	11 30 21	24°31'42	26°12	29°31	10°17	27°23	25°49	13°50	15°16	19°19	25°18	9°D55	8°44	16°53	9° 4	M 8
T 9	11 34 18	25°31'03	10♋18	29°56	11°18	28°10	25°48	13°54	15°16	19°18	25°20	9°55	8°41	17° 0	9° 7	T 9
W10	11 38 14	26°30'22	24°17	0♓25	12°19	28°57	25°47	13°58	15°16	19°16	25°21	9°57	8°38	17° 7	9°11	W10
T 11	11 42 11	27°29'39	8♌ 9	0°59	13°19	29°44	25°46	14° 1	15°15	19°14	25°22	9°R57	8°35	17°14	9°15	T 11
F 12	11 46 7	28°28'53	21°54	1°37	14°19	0♓31	25°45	14° 5	15°15	19°13	25°23	9°57	8°32	17°20	9°18	F 12
S 13	11 50 4	29°28'06	5♍29	2°19	15°19	1°18	25°44	14° 8	15°15	19°11	25°24	9°54	8°29	17°27	9°22	S 13
S 14	11 54 0	0♈27'15	18°53	3° 4	16°18	2° 5	25°42	14°11	15°15	19° 9	25°25	9°49	8°25	17°34	9°25	S 14
M15	11 57 57	1°26'23	2♎ 4	3°53	17°17	2°51	25°40	14°14	15°15	19° 8	25°26	9°42	8°22	17°40	9°29	M15
T 16	12 1 53	2°25'28	15° 1	4°45	18°15	3°38	25°38	14°18	15°D15	19° 6	25°27	9°33	8°19	17°47	9°33	T 16
W17	12 5 50	3°24'32	27°43	5°41	19°13	4°25	25°36	14°21	15°15	19° 5	25°28	9°23	8°16	17°54	9°36	W17
T 18	12 9 46	4°23'34	10♏11	6°39	20°10	5°12	25°34	14°24	15°15	19° 3	25°29	9°13	8°13	18° 0	9°40	T 18
F 19	12 13 43	5°22'34	22°24	7°40	21° 7	5°59	25°31	14°26	15°15	19° 1	25°30	9° 4	8° 9	18° 7	9°43	F 19
S 20	12 17 40	6°21'31	4♐27	8°43	22° 3	6°45	25°29	14°29	15°15	19° 0	25°30	8°57	8° 6	18°14	9°47	S 20
S 21	12 21 36	7°20'28	16°21	9°50	22°58	7°32	25°26	14°32	15°15	18°58	25°31	8°53	8° 3	18°20	9°50	S 21
M22	12 25 33	8°19'22	28°11	10°58	23°54	8°19	25°23	14°34	15°15	18°57	25°32	8°50	8° 0	18°27	9°54	M22
T 23	12 29 29	9°18'15	10♑ 3	12° 9	24°48	9° 6	25°20	14°37	15°16	18°55	25°33	8°D50	7°57	18°34	9°57	T 23
W24	12 33 26	10°17'05	22° 1	13°22	25°42	9°52	25°16	14°39	15°16	18°54	25°34	8°50	7°54	18°40	10° 0	W24
T 25	12 37 22	11°15'54	4♒10	14°38	26°35	10°39	25°13	14°42	15°17	18°52	25°34	8°R51	7°50	18°47	10° 4	T 25
F 26	12 41 19	12°14'42	16°36	15°55	27°28	11°26	25° 9	14°44	15°17	18°51	25°35	8°51	7°47	18°54	10° 7	F 26
S 27	12 45 15	13°13'27	29°23	17°15	28°20	12°12	25° 5	14°46	15°18	18°49	25°36	8°49	7°44	19° 1	10°10	S 27
S 28	12 49 12	14°12'10	12♓33	18°36	29°11	12°59	25° 1	14°48	15°18	18°48	25°36	8°44	7°41	19° 7	10°14	S 28
M29	12 53 9	15°10'52	26° 8	19°59	0♊ 2	13°46	24°57	14°50	15°19	18°46	25°37	8°37	7°38	19°14	10°17	M29
T 30	12 57 5	16° 9'32	10♈ 7	21°24	0°52	14°32	24°53	14°52	15°20	18°45	25°38	8°28	7°35	19°21	10°20	T 30
W31	13 1 2	17♈ 8'10	24♈26	22♓51	1♊41	15♓19	24♏48	14♑53	15♋20	18♍43	25♑38	8♒18	7♒31	19♐27	10♓23	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4s55	1s57	3n 9	10s10	1n47	14n30	2n 5	15s20	1s 9	18s14	1n 5	22s29	0n23	23n 8	0n29	5n25	1n21	25s 6	3s59	17s42	18s 3	26s54	3s57	4n45
T 2	4 32	4n15	4 1	10 29	1 32	14 56	2 9	15 5	1 9	18 14	1 5	22 28	0 23	23 8	0 29	5 25	1 21	25 6	3 59	17 43	18 4	26 54	3 56	4 45
W 3	4 9	10 22	4 41	10 45	1 18	15 23	2 14	14 50	1 9	18 14	1 5	22 28	0 23	23 8	0 29	5 26	1 21	25 6	4 0	17 45	18 5	26 54	3 55	4 45
T 4	3 45	16 1	5 4	10 59	1 3	15 48	2 19	14 34	1 9	18 14	1 5	22 28	0 23	23 8	0 29	5 27	1 21	25 6	4 0	17 47	18 5	26 54	3 53	4 45
F 5	3 22	20 52	5 9	11 12	0 48	16 14	2 24	14 19	1 9	18 14	1 5	22 27	0 23	23 8	0 29	5 27	1 21	25 6	4 0	17 48	18 6	26 54	3 52	4 45
S 6	2 58	24 32	4 55	11 22	0 34	16 39	2 29	14 3	1 10	18 14	1 5	22 27	0 23	23 8	0 29	5 28	1 21	25 6	4 0	17 49	18 7	26 55	3 51	4 45
S 7	2 35	26 39	4 22	11 29	0 21	17 3	2 33	13 47	1 10	18 14	1 5	22 27	0 23	23 8	0 29	5 29	1 21	25 6	4 0	17 50	18 8	26 55	3 49	4 45
M 8	2 11	27 3	3 34	11 35	0 7	17 28	2 38	13 31	1 10	18 14	1 5	22 26	0 23	23 8	0 29	5 29	1 21	25 6	4 0	17 50	18 9	26 55	3 48	4 45
T 9	1 47	25 41	2 33	11 38	0s 6	17 52	2 43	13 15	1 10	18 13	1 6	22 26	0 23	23 8	0 29	5 30	1 21	25 6	4 1	17 50	18 10	26 55	3 46	4 45
W10	1 24	22 43	1 24	11 39	0 18	18 15	2 48	12 59	1 10	18 13	1 6	22 26	0 22	23 8	0 29	5 31	1 21	25 6	4 1	17 50	18 10	26 55	3 45	4 45
T 11	1 0	18 27	0 10	11 38	0 30	18 38	2 52	12 42	1 10	18 13	1 6	22 25	0 22	23 8	0 29	5 31	1 21	25 6	4 1	17 49	18 11	26 55	3 44	4 45
F 12	0 36	13 15	1s 4	11 35	0 42	19 1	2 57	12 26	1 10	18 12	1 6	22 25	0 22	23 8	0 29	5 32	1 21	25 6	4 1	17 50	18 12	26 55	3 42	4 46
S 13	0 13	7 29	2 13	11 31	0 53	19 23	3 1	12 9	1 11	18 12	1 6	22 25	0 22	23 8	0 29	5 33	1 21	25 6	4 1	17 50	18 13	26 56	3 41	4 46
S 14	0n11	1 27	3 14	11 24	1 3	19 45	3 6	11 53	1 11	18 11	1 6	22 24	0 22	23 8	0 29	5 33	1 21	25 6	4 1	17 52	18 14	26 56	3 39	4 46
M15	0 34	4s32	4 3	11 15	1 13	20 6	3 10	11 36	1 11	18 11	1 6	22 24	0 22	23 8	0 29	5 34	1 21	25 6	4 2	17 54	18 15	26 56	3 38	4 46
T 16	0 58	10 12	4 38	11 5	1 22	20 27	3 15	11 19	1 11	18 10	1 6	22 24	0 22	23 8	0 29	5 35	1 21	25 6	4 2	17 56	18 15	26 56	3 37	4 46
W17	1 22	15 21	4 59	10 52	1 31	20 47	3 19	11 2	1 11	18 10	1 6	22 23	0 22	23 8	0 29	5 35	1 21	25 6	4 2	17 59	18 16	26 56	3 35	4 46
T 18	1 45	19 45	5 5	10 38	1 39	21 7	3 24	10 45	1 11	18 9	1 6	22 23	0 22	23 8	0 29	5 36	1 21	25 6	4 2	18 1	18 17	26 56	3 34	4 46
F 19	2 9	23 14	4 57	10 22	1 46	21 27	3 28	10 27	1 11	18 9	1 6	22 23	0 22	23 8	0 29	5 36	1 21	25 6	4 2	18 4	18 18	26 56	3 33	4 46
S 20	2 32	25 38	4 36	10 5	1 53	21 46	3 32	10 10	1 11	18 8	1 7	22 23	0 22	23 8	0 29	5 37	1 21	25 6	4 3	18 5	18 19	26 56	3 31	4 46
S 21	2 55	26 51	4 3	9 46	2 0	22 4	3 36	9 53	1 11	18 7	1 7	22 22	0 22	23 8	0 29	5 38	1 21	25 6	4 3	18 7	18 20	26 56	3 30	4 46
M22	3 19	26 51	3 20	9 25	2 6	22 22	3 40	9 35	1 11	18 6	1 7	22 22	0 22	23 8	0 29	5 38	1 21	25 6	4 3	18 7	18 20	26 56	3 28	4 46
T 23	3 42	25 36	2 28	9 3	2 11	22 40	3 44	9 18	1 11	18 5	1 7	22 22	0 22	23 8	0 29	5 39	1 21	25 6	4 3	18 7	18 21	26 56	3 27	4 46
W24	4 5	23 11	1 29	8 39	2 16	22 57	3 48	9 0	1 11	18 4	1 7	22 22	0 22	23 8	0 29	5 39	1 21	25 6	4 3	18 7	18 22	26 56	3 26	4 46
T 25	4 28	19 42	0 25	8 14	2 21	23 13	3 52	8 42	1 11	18 4	1 7	22 22	0 22	23 8	0 29	5 40	1 21	25 6	4 4	18 7	18 23	26 56	3 24	4 46
F 26	4 51	15 16	0n41	7 47	2 24	23 29	3 56	8 24	1 11	18 3	1 7	22 21	0 22	23 8	0 29	5 41	1 21	25 6	4 4	18 7	18 24	26 56	3 23	4 46
S 27	5 14	10 4	1 47	7 19	2 28	23 45	3 59	8 6	1 11	18 2	1 7	22 21	0 22	23 8	0 29	5 41	1 21	25 6	4 4	18 8	18 24	26 56	3 22	4 46
S 28	5 37	4 16	2 49	6 50	2 30	24 0	4 3	7 49	1 11	18 1	1 7	22 21	0 22	23 8	0 29	5 42	1 21	25 6	4 4	18 9	18 25	26 56	3 20	4 47
M29	6 0	1n53	3 44	6 19	2 33	24 14	4 6	7 31	1 11	17 59	1 7	22 21	0 22	23 7	0 29	5 42	1 21	25 6	4 4	18 11	18 26	26 56	3 19	4 47
T 30	6 23	8 6	4 26	5 47	2 34	24 28	4 9	7 12	1 11	17 58	1 7	22 21	0 22	23 7	0 29	5 43	1 21	25 6	4 5	18 13	18 27	26 56	3 18	4 47
W31	6n45	14n 3	4n53	5s13	2s35	24n42	4n12	6s54	1s11	17s57	1n 7	22s20	0n22	23n 7	0n29	5n43	1n21	25s 6	4s 5	18s16	18s28	26s56	3s16	4n47

Julian Day Number = 2189732.5, Delta T = 10m51s
Ecliptic obliquity = 23°32'03, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'35, Lahiri = 13°51'36 Julian Calendar 1 March 1283 == Greg. Calendar 8 March 1283

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ASTRODIENST EPHEMERIS for the year 1283
geocentric

APRIL 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 4 58	18♈ 6'46	8♉58	24♓20	2♊29	16♓ 5	24°R43	14♑55	15♋21	18°R42	25♑39	8°R 7	7♒28	19♐34	10♓27	T 1
F 2	13 8 55	19° 5'20	23°37	25°51	3°17	16°52	24♏38	14°57	15°22	18♍41	25°39	7♒58	7°25	19°41	10°30	F 2
S 3	13 12 51	20° 3'52	8♊14	27°23	4° 3	17°38	24°33	14°58	15°23	18°39	25°40	7°50	7°22	19°47	10°33	S 3
S 4	13 16 48	21° 2'21	22°45	28°57	4°49	18°25	24°28	14°59	15°24	18°38	25°40	7°45	7°19	19°54	10°36	S 4
M 5	13 20 44	22° 0'49	7♋ 5	0♈33	5°34	19°11	24°23	15° 1	15°25	18°37	25°41	7°42	7°15	20° 1	10°39	M 5
T 6	13 24 41	22°59'14	21°10	2°11	6°18	19°57	24°18	15° 2	15°26	18°35	25°41	7°D41	7°12	20° 7	10°42	T 6
W 7	13 28 38	23°57'37	5♌ 2	3°50	7° 1	20°44	24°12	15° 3	15°27	18°34	25°41	7°R41	7° 9	20°14	10°45	W 7
T 8	13 32 34	24°55'58	18°39	5°31	7°43	21°30	24° 6	15° 4	15°28	18°33	25°42	7°41	7° 6	20°21	10°48	T 8
F 9	13 36 31	25°54'17	2♍ 3	7°14	8°23	22°16	24° 0	15° 5	15°30	18°31	25°42	7°39	7° 3	20°28	10°51	F 9
S 10	13 40 27	26°52'33	15°16	8°58	9° 3	23° 3	23°55	15° 5	15°31	18°30	25°42	7°35	7° 0	20°34	10°54	S 10
S 11	13 44 24	27°50'48	28°17	10°45	9°41	23°49	23°48	15° 6	15°32	18°29	25°42	7°27	6°56	20°41	10°57	S 11
M12	13 48 20	28°49'00	11♎ 8	12°33	10°18	24°35	23°42	15° 7	15°33	18°28	25°43	7°17	6°53	20°48	11° 0	M12
T 13	13 52 17	29°47'11	23°47	14°22	10°54	25°21	23°36	15° 7	15°35	18°27	25°43	7° 5	6°50	20°54	11° 2	T 13
W14	13 56 13	0♉45'20	6♏15	16°14	11°29	26° 7	23°30	15° 7	15°36	18°25	25°43	6°52	6°47	21° 1	11° 5	W14
T 15	14 0 10	1°43'27	18°32	18° 7	12° 2	26°53	23°23	15° 8	15°38	18°24	25°43	6°38	6°44	21° 8	11° 8	T 15
F 16	14 4 7	2°41'33	0♐39	20° 2	12°34	27°39	23°16	15° 8	15°39	18°23	25°43	6°26	6°41	21°14	11°10	F 16
S 17	14 8 3	3°39'37	12°37	21°59	13° 4	28°25	23°10	15°R 8	15°41	18°22	25°43	6°16	6°37	21°21	11°13	S 17
S 18	14 12 0	4°37'39	24°29	23°58	13°33	29°11	23° 3	15° 8	15°43	18°21	25°44	6° 9	6°34	21°28	11°16	S 18
M19	14 15 56	5°35'40	6♑18	25°58	14° 0	29°57	22°56	15° 8	15°44	18°20	25°44	6° 4	6°31	21°34	11°18	M19
T 20	14 19 53	6°33'40	18° 8	28° 0	14°26	0♈43	22°49	15° 8	15°46	18°19	25°R44	6° 1	6°28	21°41	11°21	T 20
W21	14 23 49	7°31'38	0♒ 4	0♉ 4	14°50	1°29	22°42	15° 7	15°48	18°18	25°44	6° 1	6°25	21°48	11°23	W21
T 22	14 27 46	8°29'35	12°12	2° 9	15°12	2°15	22°35	15° 7	15°50	18°17	25°43	6° 1	6°21	21°54	11°26	T 22
F 23	14 31 42	9°27'31	24°36	4°15	15°33	3° 0	22°28	15° 6	15°52	18°16	25°43	6° 0	6°18	22° 1	11°28	F 23
S 24	14 35 39	10°25'25	7♓23	6°23	15°51	3°46	22°20	15° 6	15°54	18°15	25°43	5°58	6°15	22° 8	11°30	S 24
S 25	14 39 36	11°23'18	20°35	8°31	16° 8	4°32	22°13	15° 5	15°56	18°15	25°43	5°54	6°12	22°14	11°33	S 25
M26	14 43 32	12°21'09	4♈15	10°41	16°23	5°17	22° 6	15° 4	15°58	18°14	25°43	5°47	6° 9	22°21	11°35	M26
T 27	14 47 29	13°19'00	18°23	12°51	16°35	6° 3	21°58	15° 4	16° 0	18°13	25°43	5°38	6° 6	22°28	11°37	T 27
W28	14 51 25	14°16'49	2♉56	15° 2	16°46	6°49	21°51	15° 3	16° 2	18°12	25°43	5°27	6° 2	22°34	11°39	W28
T 29	14 55 22	15°14'36	17°47	17°14	16°55	7°34	21°43	15° 1	16° 4	18°11	25°42	5°16	5°59	22°41	11°41	T 29
F 30	14 59 18	16♉12'23	2♊48	19♉25	17♊ 1	8♈20	21♏36	15♑ 0	16♋ 6	18♍11	25♑42	5♒ 6	5♒56	22♐48	11♓43	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 8	19n18	5n 2	4s38	2s36	24n55	4n15	6s36	1s11	17s56	1n 7	22s20	0n22	23n 7	0n29	5n44	1n21	25s 6	4s 5	18s18	18s29	26s56	3s15	4n47
F 2	7 30	23 26	4 51	4 2	2 36	25 7	4 18	6 18	1 11	17 55	1 7	22 20	0 22	23 7	0 28	5 44	1 21	25 7	4 5	18 21	18 29	26 56	3 14	4 47
S 3	7 52	26 4	4 21	3 25	2 35	25 19	4 21	6 0	1 11	17 54	1 8	22 20	0 21	23 7	0 28	5 45	1 21	25 7	4 5	18 23	18 30	26 56	3 13	4 47
S 4	8 15	26 54	3 34	2 47	2 34	25 30	4 24	5 42	1 11	17 52	1 8	22 20	0 21	23 7	0 28	5 46	1 21	25 7	4 6	18 24	18 31	26 56	3 11	4 47
M 5	8 36	25 55	2 35	2 7	2 33	25 41	4 26	5 23	1 11	17 51	1 8	22 20	0 21	23 7	0 28	5 46	1 21	25 7	4 6	18 25	18 32	26 56	3 10	4 47
T 6	8 58	23 17	1 26	1 26	2 31	25 51	4 29	5 5	1 11	17 50	1 8	22 20	0 21	23 6	0 28	5 47	1 21	25 7	4 6	18 25	18 33	26 56	3 9	4 48
W 7	9 20	19 19	0 14	0 44	2 28	26 1	4 31	4 47	1 11	17 48	1 8	22 20	0 21	23 6	0 28	5 47	1 21	25 7	4 6	18 25	18 33	26 56	3 8	4 48
T 8	9 41	14 23	0s58	0 1	2 25	26 10	4 33	4 28	1 11	17 47	1 8	22 20	0 21	23 6	0 28	5 47	1 21	25 7	4 6	18 25	18 34	26 55	3 6	4 48
F 9	10 3	8 50	2 5	0n43	2 21	26 18	4 34	4 10	1 11	17 45	1 8	22 20	0 21	23 6	0 28	5 48	1 21	25 7	4 7	18 26	18 35	26 55	3 5	4 48
S 10	10 24	2 59	3 5	1 28	2 17	26 26	4 36	3 51	1 11	17 44	1 8	22 20	0 21	23 6	0 28	5 48	1 21	25 7	4 7	18 27	18 36	26 55	3 4	4 48
S 11	10 45	2s53	3 54	2 14	2 12	26 34	4 38	3 33	1 11	17 42	1 8	22 20	0 21	23 6	0 28	5 49	1 21	25 8	4 7	18 29	18 37	26 55	3 3	4 48
M12	11 6	8 33	4 30	3 2	2 7	26 41	4 39	3 14	1 11	17 41	1 8	22 20	0 21	23 5	0 28	5 49	1 21	25 8	4 7	18 31	18 37	26 55	3 2	4 48
T 13	11 26	13 47	4 52	3 50	2 1	26 47	4 40	2 56	1 10	17 39	1 8	22 20	0 21	23 5	0 28	5 50	1 21	25 8	4 7	18 34	18 38	26 55	3 0	4 49
W14	11 47	18 22	5 0	4 38	1 55	26 53	4 41	2 37	1 10	17 38	1 8	22 20	0 21	23 5	0 28	5 50	1 21	25 8	4 8	18 38	18 39	26 55	2 59	4 49
T 15	12 7	22 6	4 54	5 28	1 48	26 58	4 41	2 19	1 10	17 36	1 8	22 20	0 21	23 5	0 28	5 51	1 21	25 8	4 8	18 41	18 40	26 54	2 58	4 49
F 16	12 27	24 50	4 34	6 18	1 41	27 2	4 41	2 0	1 10	17 34	1 8	22 20	0 21	23 5	0 28	5 51	1 21	25 8	4 8	18 44	18 41	26 54	2 57	4 49
S 17	12 47	26 24	4 3	7 9	1 33	27 7	4 41	1 42	1 10	17 33	1 8	22 20	0 21	23 5	0 28	5 51	1 21	25 9	4 8	18 47	18 41	26 54	2 56	4 49
S 18	13 7	26 46	3 21	8 1	1 25	27 10	4 41	1 23	1 10	17 31	1 8	22 20	0 21	23 4	0 28	5 52	1 21	25 9	4 8	18 49	18 42	26 54	2 55	4 49
M19	13 26	25 53	2 30	8 53	1 17	27 13	4 41	1 5	1 9	17 29	1 8	22 20	0 21	23 4	0 28	5 52	1 21	25 9	4 9	18 50	18 43	26 54	2 53	4 49
T 20	13 46	23 50	1 33	9 45	1 8	27 15	4 40	0 46	1 9	17 27	1 8	22 20	0 21	23 4	0 28	5 53	1 21	25 9	4 9	18 50	18 44	26 54	2 52	4 50
W21	14 5	20 44	0 31	10 37	0 58	27 17	4 39	0 28	1 9	17 26	1 8	22 20	0 21	23 4	0 28	5 53	1 21	25 9	4 9	18 51	18 45	26 53	2 51	4 50
T 22	14 23	16 41	0n33	11 30	0 49	27 18	4 37	0 9	1 9	17 24	1 8	22 20	0 21	23 3	0 28	5 53	1 21	25 10	4 9	18 51	18 45	26 53	2 50	4 50
F 23	14 42	11 51	1 37	12 23	0 39	27 19	4 36	0n 9	1 9	17 22	1 8	22 20	0 21	23 3	0 28	5 54	1 21	25 10	4 9	18 51	18 46	26 53	2 49	4 50
S 24	15 0	6 24	2 38	13 15	0 29	27 19	4 34	0 27	1 8	17 20	1 8	22 20	0 20	23 3	0 28	5 54	1 21	25 10	4 10	18 51	18 47	26 53	2 48	4 50
S 25	15 18	0 30	3 32	14 7	0 18	27 18	4 31	0 46	1 8	17 18	1 8	22 20	0 20	23 3	0 28	5 54	1 21	25 10	4 10	18 52	18 48	26 53	2 47	4 50
M26	15 36	5n37	4 17	14 58	0 8	27 17	4 28	1 4	1 8	17 17	1 7	22 20	0 20	23 2	0 28	5 55	1 21	25 10	4 10	18 54	18 49	26 52	2 46	4 51
T 27	15 54	11 40	4 47	15 48	0n 3	27 15	4 25	1 23	1 8	17 15	1 7	22 21	0 20	23 2	0 28	5 55	1 21	25 11	4 10	18 56	18 49	26 52	2 45	4 51
W28	16 11	17 14	5 0	16 37	0 13	27 13	4 22	1 41	1 8	17 13	1 7	22 21	0 20	23 2	0 28	5 55	1 21	25 11	4 10	18 59	18 50	26 52	2 44	4 51
T 29	16 28	21 54	4 54	17 25	0 24	27 9	4 18	1 59	1 7	17 11	1 7	22 21	0 20	23 2	0 28	5 55	1 21	25 11	4 10	19 2	18 51	26 52	2 43	4 51
F 30	16n45	25n10	4n27	18n12	0n34	27n 6	4n13	2n17	1s 7	17s 9	1n 7	22s21	0n20	23n 1	0n28	5n56	1n21	25s11	4s11	19s 4	18s52	26s51	2s42	4n51

Julian Day Number = 2189763.5, Delta T = 10m50s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'39, Lahiri = 13°51'40 Julian Calendar 1 Apr. 1283 == Greg. Calendar 8 Apr. 1283

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ASTRODIENST EPHEMERIS for the year 1283
geocentric

MAY 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 3 15	17♉10'07	17♊49	21♉36	17♊ 5	9♈ 5	21°R28	14°R59	16♋ 9	18°R10	25°R42	4°R57	5♒53	22♐55	11♓46	S 1
S 2	15 7 11	18° 7'51	2♋40	23°46	17°R 6	9°50	21♏20	14♑58	16°11	18♍ 9	25♑41	4♒52	5°50	23° 1	11°48	S 2
M 3	15 11 8	19° 5'33	17°16	25°55	17° 6	10°36	21°13	14°56	16°13	18° 9	25°41	4°49	5°47	23° 8	11°49	M 3
T 4	15 15 5	20° 3'13	1♌32	28° 4	17° 3	11°21	21° 5	14°55	16°16	18° 8	25°41	4°D48	5°43	23°15	11°51	T 4
W 5	15 19 1	21° 0'51	15°27	0♊10	16°57	12° 6	20°57	14°53	16°18	18° 8	25°40	4°R48	5°40	23°21	11°53	W 5
T 6	15 22 58	21°58'28	29° 2	2°16	16°49	12°51	20°50	14°51	16°20	18° 7	25°40	4°48	5°37	23°28	11°55	T 6
F 7	15 26 54	22°56'03	12♍18	4°19	16°39	13°37	20°42	14°50	16°23	18° 7	25°39	4°46	5°34	23°35	11°57	F 7
S 8	15 30 51	23°53'37	25°17	6°21	16°26	14°22	20°35	14°48	16°25	18° 6	25°39	4°43	5°31	23°41	11°58	S 8
S 9	15 34 47	24°51'09	8♎ 3	8°20	16°11	15° 7	20°27	14°46	16°28	18° 6	25°38	4°36	5°27	23°48	12° 0	S 9
M10	15 38 44	25°48'40	20°36	10°17	15°53	15°52	20°19	14°44	16°31	18° 5	25°38	4°28	5°24	23°55	12° 2	M10
T 11	15 42 40	26°46'09	2♏59	12°11	15°33	16°36	20°12	14°42	16°33	18° 5	25°37	4°17	5°21	24° 1	12° 3	T 11
W12	15 46 37	27°43'38	15°13	14° 3	15°11	17°21	20° 4	14°39	16°36	18° 4	25°37	4° 5	5°18	24° 8	12° 5	W12
T 13	15 50 34	28°41'05	27°19	15°53	14°47	18° 6	19°57	14°37	16°39	18° 4	25°36	3°53	5°15	24°15	12° 6	T 13
F 14	15 54 30	29°38'31	9♐18	17°39	14°20	18°51	19°49	14°35	16°41	18° 4	25°36	3°42	5°12	24°21	12° 7	F 14
S 15	15 58 27	0♊35'57	21°11	19°23	13°52	19°36	19°42	14°32	16°44	18° 4	25°35	3°33	5° 8	24°28	12° 9	S 15
S 16	16 2 23	1°33'21	3♑ 0	21° 4	13°22	20°20	19°34	14°30	16°47	18° 3	25°34	3°27	5° 5	24°35	12°10	S 16
M17	16 6 20	2°30'45	14°49	22°43	12°50	21° 5	19°27	14°27	16°50	18° 3	25°34	3°23	5° 2	24°41	12°11	M17
T 18	16 10 16	3°28'08	26°39	24°18	12°17	21°49	19°20	14°24	16°53	18° 3	25°33	3°21	4°59	24°48	12°13	T 18
W19	16 14 13	4°25'30	8♒36	25°51	11°42	22°34	19°13	14°21	16°55	18° 3	25°32	3°D21	4°56	24°55	12°14	W19
T 20	16 18 9	5°22'51	20°43	27°21	11° 7	23°18	19° 6	14°19	16°58	18° 3	25°31	3°21	4°53	25° 1	12°15	T 20
F 21	16 22 6	6°20'12	3♓ 7	28°48	10°30	24° 3	18°59	14°16	17° 1	18° 3	25°31	3°R22	4°49	25° 8	12°16	F 21
S 22	16 26 3	7°17'32	15°50	0♋12	9°53	24°47	18°52	14°13	17° 4	18° 3	25°30	3°22	4°46	25°15	12°17	S 22
S 23	16 29 59	8°14'52	28°59	1°33	9°15	25°31	18°45	14°10	17° 7	18°D 3	25°29	3°20	4°43	25°22	12°18	S 23
M24	16 33 56	9°12'11	12♈36	2°51	8°38	26°15	18°38	14° 6	17°10	18° 3	25°28	3°16	4°40	25°28	12°19	M24
T 25	16 37 52	10° 9'30	26°42	4° 6	8° 0	27° 0	18°31	14° 3	17°14	18° 3	25°27	3°10	4°37	25°35	12°19	T 25
W26	16 41 49	11° 6'48	11♉16	5°18	7°23	27°44	18°25	14° 0	17°17	18° 3	25°26	3° 3	4°33	25°42	12°20	W26
T 27	16 45 45	12° 4'06	26°12	6°26	6°47	28°28	18°18	13°57	17°20	18° 3	25°25	2°55	4°30	25°48	12°21	T 27
F 28	16 49 42	13° 1'24	11♊21	7°32	6°11	29°12	18°12	13°53	17°23	18° 3	25°24	2°48	4°27	25°55	12°21	F 28
S 29	16 53 38	13°58'41	26°35	8°34	5°36	29°56	18° 6	13°50	17°26	18° 3	25°23	2°42	4°24	26° 2	12°22	S 29
S 30	16 57 35	14°55'57	11♋42	9°33	5° 2	0♉39	17°59	13°46	17°29	18° 4	25°23	2°38	4°21	26° 8	12°23	S 30
M31	17 1 32	15♊53'13	26♋33	10♋29	4♊30	1♉23	17♏53	13♑43	17♋33	18♍ 4	25♑22	2°D37	4♒18	26♐15	12♓23	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 2	26n39	3n41	18n57	0n44	27n 1	4n 8	2n36	1s 7	17s 7	1n 7	22s21	0n20	23n 1	0n28	5n56	1n21	25s12	4s11	19s 6	18s53	26s51	2s41	4n52
S 2	17 18	26 12	2 41	19 40	0 54	26 56	4 3	2 54	1 7	17 5	1 7	22 21	0 20	23 1	0 28	5 56	1 20	25 12	4 11	19 7	18 53	26 51	2 40	4 52
M 3	17 34	23 56	1 31	20 20	1 4	26 50	3 57	3 12	1 6	17 3	1 7	22 22	0 20	23 0	0 28	5 56	1 20	25 12	4 11	19 8	18 54	26 50	2 39	4 52
T 4	17 50	20 11	0 17	20 59	1 13	26 44	3 51	3 30	1 6	17 1	1 7	22 22	0 20	23 0	0 28	5 57	1 20	25 12	4 11	19 8	18 55	26 50	2 38	4 52
W 5	18 5	15 22	0s56	21 35	1 21	26 36	3 44	3 48	1 6	17 0	1 7	22 22	0 20	23 0	0 28	5 57	1 20	25 13	4 12	19 8	18 56	26 50	2 38	4 52
T 6	18 20	9 54	2 5	22 9	1 29	26 28	3 37	4 6	1 5	16 58	1 7	22 22	0 20	23 0	0 28	5 57	1 20	25 13	4 12	19 8	18 56	26 50	2 37	4 53
F 7	18 35	4 7	3 5	22 40	1 37	26 19	3 29	4 24	1 5	16 56	1 7	22 23	0 20	22 59	0 28	5 57	1 20	25 13	4 12	19 9	18 57	26 49	2 36	4 53
S 8	18 49	1s42	3 54	23 9	1 43	26 10	3 20	4 41	1 5	16 54	1 6	22 23	0 20	22 59	0 28	5 57	1 20	25 14	4 12	19 10	18 58	26 49	2 35	4 53
S 9	19 3	7 21	4 31	23 35	1 49	25 59	3 11	4 59	1 4	16 52	1 6	22 23	0 20	22 59	0 28	5 57	1 20	25 14	4 12	19 11	18 59	26 49	2 34	4 53
M10	19 17	12 36	4 54	23 58	1 55	25 48	3 2	5 17	1 4	16 50	1 6	22 23	0 20	22 58	0 28	5 57	1 20	25 14	4 13	19 13	19 0	26 48	2 33	4 53
T 11	19 31	17 17	5 2	24 19	1 59	25 36	2 52	5 34	1 4	16 48	1 6	22 24	0 20	22 58	0 28	5 58	1 20	25 14	4 13	19 16	19 0	26 48	2 33	4 54
W12	19 44	21 11	4 57	24 37	2 3	25 23	2 42	5 52	1 3	16 46	1 6	22 24	0 19	22 58	0 28	5 58	1 20	25 15	4 13	19 19	19 1	26 47	2 32	4 54
T 13	19 57	24 8	4 38	24 53	2 7	25 10	2 31	6 9	1 3	16 44	1 6	22 24	0 19	22 57	0 28	5 58	1 20	25 15	4 13	19 21	19 2	26 47	2 31	4 54
F 14	20 9	26 0	4 7	25 6	2 9	24 55	2 20	6 27	1 3	16 42	1 6	22 25	0 19	22 57	0 28	5 58	1 20	25 15	4 13	19 24	19 3	26 47	2 30	4 54
S 15	20 21	26 39	3 25	25 17	2 11	24 40	2 8	6 44	1 2	16 41	1 6	22 25	0 19	22 57	0 28	5 58	1 20	25 16	4 14	19 26	19 3	26 46	2 30	4 55
S 16	20 33	26 5	2 35	25 25	2 11	24 24	1 56	7 1	1 2	16 39	1 5	22 25	0 19	22 56	0 28	5 58	1 20	25 16	4 14	19 28	19 4	26 46	2 29	4 55
M17	20 45	24 19	1 37	25 31	2 11	24 8	1 43	7 18	1 1	16 37	1 5	22 26	0 19	22 56	0 28	5 58	1 20	25 16	4 14	19 29	19 5	26 46	2 28	4 55
T 18	20 56	21 30	0 36	25 35	2 11	23 51	1 30	7 36	1 1	16 35	1 5	22 26	0 19	22 55	0 28	5 58	1 20	25 17	4 14	19 29	19 6	26 45	2 28	4 55
W19	21 7	17 44	0n28	25 37	2 9	23 33	1 17	7 53	1 1	16 33	1 5	22 26	0 19	22 55	0 28	5 58	1 20	25 17	4 14	19 29	19 7	26 45	2 27	4 55
T 20	21 17	13 11	1 32	25 37	2 7	23 14	1 3	8 9	1 0	16 32	1 5	22 27	0 19	22 55	0 28	5 58	1 20	25 17	4 14	19 29	19 7	26 44	2 26	4 56
F 21	21 27	8 2	2 33	25 36	2 4	22 55	0 49	8 26	1 0	16 30	1 5	22 27	0 19	22 54	0 28	5 58	1 20	25 17	4 15	19 29	19 8	26 44	2 26	4 56
S 22	21 37	2 25	3 28	25 32	2 0	22 36	0 35	8 43	0 59	16 28	1 4	22 28	0 19	22 54	0 28	5 58	1 20	25 18	4 15	19 29	19 9	26 44	2 25	4 56
S 23	21 46	3n28	4 14	25 27	1 56	22 17	0 21	8 59	0 59	16 26	1 4	22 28	0 19	22 53	0 28	5 58	1 20	25 18	4 15	19 29	19 10	26 43	2 25	4 56
M24	21 55	9 24	4 47	25 21	1 50	21 57	0 7	9 16	0 58	16 25	1 4	22 28	0 19	22 53	0 28	5 58	1 20	25 18	4 15	19 30	19 10	26 43	2 24	4 57
T 25	22 4	15 4	5 5	25 13	1 44	21 37	0s 7	9 32	0 58	16 23	1 4	22 29	0 19	22 53	0 28	5 58	1 20	25 19	4 15	19 32	19 11	26 42	2 24	4 57
W26	22 12	20 4	5 4	25 3	1 38	21 17	0 21	9 49	0 58	16 21	1 4	22 29	0 19	22 52	0 28	5 58	1 20	25 19	4 15	19 33	19 12	26 42	2 23	4 57
T 27	22 20	23 56	4 42	24 53	1 30	20 57	0 35	10 5	0 57	16 20	1 4	22 30	0 19	22 52	0 28	5 58	1 20	25 19	4 16	19 35	19 13	26 41	2 23	4 57
F 28	22 27	26 12	4 1	24 41	1 22	20 37	0 49	10 21	0 57	16 18	1 3	22 30	0 18	22 51	0 28	5 58	1 20	25 20	4 16	19 37	19 13	26 41	2 22	4 57
S 29	22 34	26 31	3 2	24 28	1 13	20 18	1 2	10 37	0 56	16 17	1 3	22 30	0 18	22 51	0 28	5 58	1 20	25 20	4 16	19 38	19 14	26 40	2 22	4 58
S 30	22 41	24 51	1 50	24 15	1 4	19 59	1 16	10 53	0 56	16 15	1 3	22 31	0 18	22 51	0 28	5 57	1 20	25 21	4 16	19 39	19 15	26 40	2 21	4 58
M31	22n47	21n28	0n33	24n 1	0n54	19n40	1s29	11n 8	0s55	16s14	1n 3	22s31	0n18	22n50	0n28	5n57	1n19	25s21	4s16	19s39	19s16	26s39	2s21	4n58

Julian Day Number = 2189793.5, Delta T = 10m50s
Ecliptic obliquity = 23°32'02, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'44, Lahiri = 13°51'44 Julian Calendar 1 May 1283 == Greg. Calendar 8 May 1283

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ASTRODIENST EPHEMERIS for the year 1283
geocentric

JUNE 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 5 28	16♊50'27	11♌ 4	11♋20	4°R 0	2♉ 7	17°R47	13°R39	17♋36	18♍ 4	25°R21	2♒37	4♒14	26♐22	12♓23	T 1
W 2	17 9 25	17°47'41	25° 9	12° 9	3♊31	2°50	17♏42	13♑35	17°39	18° 4	25♑19	2°38	4°11	26°28	12°24	W 2
T 3	17 13 21	18°44'55	8♍50	12°53	3° 4	3°34	17°36	13°31	17°42	18° 5	25°18	2°39	4° 8	26°35	12°24	T 3
F 4	17 17 18	19°42'07	22° 7	13°34	2°39	4°18	17°30	13°28	17°46	18° 5	25°17	2°R39	4° 5	26°42	12°24	F 4
S 5	17 21 14	20°39'19	5♎ 3	14°10	2°16	5° 1	17°25	13°24	17°49	18° 6	25°16	2°38	4° 2	26°48	12°25	S 5
S 6	17 25 11	21°36'30	17°41	14°43	1°55	5°44	17°20	13°20	17°52	18° 6	25°15	2°35	3°58	26°55	12°25	S 6
M 7	17 29 8	22°33'41	0♏ 5	15°11	1°37	6°28	17°15	13°16	17°56	18° 6	25°14	2°31	3°55	27° 2	12°25	M 7
T 8	17 33 4	23°30'51	12°17	15°35	1°21	7°11	17°10	13°12	17°59	18° 7	25°13	2°25	3°52	27° 8	12°R25	T 8
W 9	17 37 1	24°28'01	24°21	15°55	1° 7	7°54	17° 5	13° 8	18° 3	18° 8	25°12	2°18	3°49	27°15	12°25	W 9
T 10	17 40 57	25°25'11	6♐18	16°10	0°56	8°37	17° 0	13° 4	18° 6	18° 8	25°11	2°12	3°46	27°22	12°25	T 10
F 11	17 44 54	26°22'20	18°10	16°20	0°47	9°20	16°56	13° 0	18°10	18° 9	25° 9	2° 6	3°43	27°28	12°25	F 11
S 12	17 48 50	27°19'29	0♑ 0	16°26	0°40	10° 3	16°51	12°56	18°13	18° 9	25° 8	2° 1	3°39	27°35	12°25	S 12
S 13	17 52 47	28°16'38	11°49	16°R28	0°36	10°46	16°47	12°51	18°17	18°10	25° 7	1°57	3°36	27°42	12°24	S 13
M14	17 56 43	29°13'47	23°40	16°24	0°D34	11°29	16°43	12°47	18°20	18°11	25° 6	1°55	3°33	27°48	12°24	M14
T 15	18 0 40	0♋10'56	5♒35	16°16	0°35	12°12	16°39	12°43	18°24	18°11	25° 5	1°D55	3°30	27°55	12°24	T 15
W16	18 4 37	1° 8'05	17°36	16° 4	0°38	12°54	16°36	12°39	18°27	18°12	25° 3	1°56	3°27	28° 2	12°23	W16
T 17	18 8 33	2° 5'14	29°48	15°47	0°43	13°37	16°32	12°34	18°31	18°13	25° 2	1°58	3°24	28° 8	12°23	T 17
F 18	18 12 30	3° 2'24	12♓15	15°26	0°50	14°19	16°29	12°30	18°34	18°14	25° 1	1°59	3°20	28°15	12°22	F 18
S 19	18 16 26	3°59'34	24°59	15° 2	0°59	15° 2	16°26	12°26	18°38	18°15	25° 0	2° 0	3°17	28°22	12°22	S 19
S 20	18 20 23	4°56'44	8♈ 5	14°33	1°11	15°44	16°23	12°21	18°41	18°16	24°58	2°R 1	3°14	28°28	12°21	S 20
M21	18 24 19	5°53'55	21°37	14° 2	1°25	16°27	16°20	12°17	18°45	18°16	24°57	2° 0	3°11	28°35	12°20	M21
T 22	18 28 16	6°51'06	5♉34	13°28	1°40	17° 9	16°17	12°13	18°49	18°17	24°56	1°58	3° 8	28°42	12°20	T 22
W23	18 32 12	7°48'18	19°58	12°51	1°58	17°51	16°14	12° 8	18°52	18°18	24°54	1°55	3° 4	28°48	12°19	W23
T 24	18 36 9	8°45'30	4♊44	12°14	2°17	18°33	16°12	12° 4	18°56	18°19	24°53	1°52	3° 1	28°55	12°18	T 24
F 25	18 40 6	9°42'43	19°47	11°35	2°38	19°15	16°10	11°59	19° 0	18°20	24°52	1°49	2°58	29° 2	12°17	F 25
S 26	18 44 2	10°39'56	4♋58	10°56	3° 1	19°57	16° 8	11°55	19° 3	18°21	24°50	1°47	2°55	29° 8	12°16	S 26
S 27	18 47 59	11°37'10	20° 7	10°17	3°26	20°39	16° 6	11°51	19° 7	18°23	24°49	1°46	2°52	29°15	12°15	S 27
M28	18 51 55	12°34'24	5♌ 6	9°39	3°52	21°21	16° 5	11°46	19°10	18°24	24°48	1°D45	2°49	29°22	12°14	M28
T 29	18 55 52	13°31'38	19°45	9° 3	4°20	22° 2	16° 3	11°42	19°14	18°25	24°46	1°46	2°45	29°28	12°13	T 29
W30	18 59 48	14♋28'53	4♍ 1	8♋29	4♊49	22♉44	16♏ 2	11♑37	19♋18	18♍26	24♑45	1♒47	2♒42	29♐35	12♓12	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n53	16n47	0s46	23n45	0n43	19n22	1s41	11n24	0s55	16s12	1n 3	22s32	0n18	22n50	0n28	5n57	1n19	25s21	4s16	19s39	19s16	26s39	2s20	4n58
W 2	22 58	11 19	1 59	23 30	0 31	19 5	1 54	11 39	0 54	16 11	1 2	22 32	0 18	22 49	0 28	5 57	1 19	25 22	4 17	19 39	19 17	26 38	2 20	4 59
T 3	23 3	5 27	3 3	23 14	0 19	18 48	2 6	11 55	0 54	16 9	1 2	22 33	0 18	22 49	0 28	5 57	1 19	25 22	4 17	19 39	19 18	26 38	2 20	4 59
F 4	23 8	0s28	3 56	22 57	0 7	18 32	2 17	12 10	0 53	16 8	1 2	22 33	0 18	22 48	0 28	5 57	1 19	25 22	4 17	19 39	19 19	26 37	2 19	4 59
S 5	23 12	6 13	4 35	22 40	0s 6	18 17	2 28	12 25	0 53	16 7	1 2	22 34	0 18	22 48	0 28	5 56	1 19	25 23	4 17	19 39	19 19	26 37	2 19	4 59
S 6	23 16	11 34	5 0	22 23	0 20	18 2	2 39	12 40	0 52	16 5	1 2	22 34	0 18	22 48	0 28	5 56	1 19	25 23	4 17	19 40	19 20	26 36	2 19	5 0
M 7	23 19	16 22	5 10	22 6	0 34	17 49	2 49	12 55	0 52	16 4	1 1	22 35	0 18	22 47	0 28	5 56	1 19	25 23	4 17	19 41	19 21	26 36	2 19	5 0
T 8	23 22	20 25	5 5	21 49	0 49	17 36	2 58	13 10	0 51	16 3	1 1	22 35	0 18	22 47	0 28	5 56	1 19	25 24	4 18	19 42	19 22	26 35	2 18	5 0
W 9	23 25	23 34	4 47	21 31	1 4	17 24	3 7	13 24	0 50	16 2	1 1	22 35	0 18	22 46	0 28	5 56	1 19	25 24	4 18	19 43	19 22	26 34	2 18	5 0
T 10	23 27	25 40	4 17	21 14	1 19	17 14	3 16	13 39	0 50	16 1	1 1	22 36	0 18	22 46	0 28	5 55	1 19	25 24	4 18	19 45	19 23	26 34	2 18	5 0
F 11	23 29	26 35	3 36	20 58	1 35	17 4	3 24	13 53	0 49	16 0	1 0	22 36	0 17	22 45	0 28	5 55	1 19	25 25	4 18	19 46	19 24	26 33	2 18	5 1
S 12	23 30	26 17	2 45	20 41	1 50	16 55	3 31	14 7	0 49	15 59	1 0	22 37	0 17	22 45	0 28	5 55	1 19	25 25	4 18	19 47	19 25	26 33	2 18	5 1
S 13	23 31	24 48	1 48	20 26	2 6	16 48	3 38	14 21	0 48	15 58	1 0	22 37	0 17	22 44	0 28	5 54	1 19	25 26	4 18	19 48	19 25	26 32	2 18	5 1
M14	23 32	22 11	0 45	20 10	2 22	16 41	3 45	14 35	0 48	15 57	1 0	22 38	0 17	22 44	0 28	5 54	1 19	25 26	4 18	19 49	19 26	26 32	2 18	5 1
T 15	23 32	18 38	0n20	19 56	2 38	16 35	3 51	14 49	0 47	15 56	0 59	22 38	0 17	22 43	0 28	5 54	1 19	25 26	4 19	19 49	19 27	26 31	2 17	5 2
W16	23 32	14 16	1 25	19 42	2 53	16 30	3 57	15 2	0 46	15 55	0 59	22 39	0 17	22 43	0 28	5 54	1 19	25 27	4 19	19 48	19 28	26 30	2 17	5 2
T 17	23 31	9 17	2 27	19 29	3 8	16 26	4 2	15 16	0 46	15 54	0 59	22 39	0 17	22 42	0 28	5 53	1 19	25 27	4 19	19 48	19 28	26 30	2 17	5 2
F 18	23 30	3 52	3 23	19 17	3 23	16 23	4 7	15 29	0 45	15 54	0 59	22 40	0 17	22 42	0 28	5 53	1 19	25 27	4 19	19 48	19 29	26 29	2 17	5 2
S 19	23 28	1n51	4 11	19 6	3 37	16 20	4 11	15 42	0 44	15 53	0 58	22 40	0 17	22 41	0 28	5 52	1 19	25 28	4 19	19 47	19 30	26 28	2 17	5 2
S 20	23 26	7 37	4 48	18 56	3 50	16 19	4 15	15 55	0 44	15 52	0 58	22 41	0 17	22 41	0 28	5 52	1 19	25 28	4 19	19 47	19 31	26 28	2 17	5 3
M21	23 24	13 14	5 9	18 47	4 2	16 18	4 19	16 8	0 43	15 52	0 58	22 41	0 17	22 40	0 28	5 52	1 19	25 28	4 19	19 48	19 31	26 27	2 17	5 3
T 22	23 21	18 21	5 14	18 39	4 13	16 18	4 22	16 20	0 43	15 51	0 58	22 42	0 17	22 40	0 28	5 51	1 19	25 29	4 19	19 48	19 32	26 26	2 18	5 3
W23	23 18	22 36	4 59	18 33	4 23	16 19	4 25	16 33	0 42	15 51	0 57	22 42	0 16	22 39	0 28	5 51	1 19	25 29	4 20	19 49	19 33	26 26	2 18	5 3
T 24	23 15	25 30	4 24	18 28	4 31	16 20	4 27	16 45	0 41	15 50	0 57	22 43	0 16	22 39	0 28	5 50	1 19	25 30	4 20	19 49	19 34	26 25	2 18	5 4
F 25	23 11	26 39	3 31	18 24	4 38	16 22	4 29	16 57	0 41	15 50	0 57	22 43	0 16	22 38	0 28	5 50	1 19	25 30	4 20	19 50	19 34	26 24	2 18	5 4
S 26	23 6	25 49	2 22	18 22	4 44	16 25	4 31	17 9	0 40	15 49	0 57	22 44	0 16	22 38	0 28	5 50	1 19	25 30	4 20	19 50	19 35	26 24	2 18	5 4
S 27	23 1	23 4	1 4	18 21	4 48	16 28	4 33	17 21	0 39	15 49	0 56	22 44	0 16	22 37	0 28	5 49	1 19	25 31	4 20	19 51	19 36	26 23	2 18	5 4
M28	22 56	18 46	0s18	18 22	4 50	16 31	4 34	17 33	0 39	15 49	0 56	22 45	0 16	22 37	0 28	5 49	1 19	25 31	4 20	19 51	19 36	26 22	2 18	5 4
T 29	22 51	13 24	1 38	18 23	4 51	16 35	4 35	17 44	0 38	15 49	0 56	22 45	0 16	22 36	0 28	5 48	1 18	25 31	4 20	19 51	19 37	26 22	2 19	5 5
W30	22n45	7n27	2s49	18n27	4s49	16n40	4s35	17n56	0s37	15s49	0n56	22s46	0n16	22n36	0n28	5n48	1n18	25s32	4s20	19s50	19s38	26s21	2s19	5n 5

Julian Day Number = 2189824.5, Delta T = 10m50s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'48, Lahiri = 13°51'48 Julian Calendar 1 June 1283 == Greg. Calendar 8 June 1283

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ASTRODIENST EPHEMERIS for the year 1283
geocentric

JULY 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 3 45	15♋26'07	17♍51	7°R58	5♊19	23♉26	16°R 1	11°R33	19♋21	18♍27	24°R43	1♒48	2♒39	29♐42	12°R11	T 1
F 2	19 7 41	16°23'22	1♎14	7♋31	5°51	24° 7	16♏ 0	11♑28	19°25	18°28	24♑42	1°49	2°36	29°48	12♓10	F 2
S 3	19 11 38	17°20'37	14°13	7° 8	6°25	24°48	15°59	11°24	19°29	18°30	24°41	1°R50	2°33	29°55	12° 8	S 3
S 4	19 15 35	18°17'52	26°52	6°49	6°59	25°30	15°59	11°20	19°32	18°31	24°39	1°50	2°30	0♑ 2	12° 7	S 4
M 5	19 19 31	19°15'08	9♏12	6°36	7°35	26°11	15°58	11°15	19°36	18°32	24°38	1°49	2°26	0° 8	12° 6	M 5
T 6	19 23 28	20°12'24	21°20	6°27	8°12	26°52	15°D58	11°11	19°40	18°34	24°37	1°48	2°23	0°15	12° 4	T 6
W 7	19 27 24	21° 9'41	3♐18	6°D24	8°51	27°33	15°58	11° 7	19°43	18°35	24°35	1°46	2°20	0°22	12° 3	W 7
T 8	19 31 21	22° 6'58	15°10	6°27	9°30	28°14	15°58	11° 2	19°47	18°36	24°34	1°45	2°17	0°28	12° 1	T 8
F 9	19 35 17	23° 4'16	26°59	6°36	10°10	28°55	15°59	10°58	19°51	18°38	24°32	1°44	2°14	0°35	12° 0	F 9
S 10	19 39 14	24° 1'34	8♑49	6°51	10°52	29°36	15°59	10°54	19°55	18°39	24°31	1°43	2°10	0°42	11°58	S 10
S 11	19 43 11	24°58'53	20°41	7°12	11°34	0♊16	16° 0	10°50	19°58	18°41	24°30	1°42	2° 7	0°48	11°56	S 11
M12	19 47 7	25°56'13	2♒38	7°39	12°18	0°57	16° 1	10°45	20° 2	18°42	24°28	1°D42	2° 4	0°55	11°55	M12
T 13	19 51 4	26°53'33	14°42	8°12	13° 2	1°38	16° 2	10°41	20° 5	18°44	24°27	1°42	2° 1	1° 2	11°53	T 13
W14	19 55 0	27°50'55	26°54	8°52	13°47	2°18	16° 4	10°37	20° 9	18°45	24°25	1°43	1°58	1° 8	11°51	W14
T 15	19 58 57	28°48'18	9♓18	9°37	14°33	2°58	16° 5	10°33	20°13	18°47	24°24	1°43	1°55	1°15	11°49	T 15
F 16	20 2 53	29°45'41	21°54	10°29	15°20	3°39	16° 7	10°29	20°16	18°48	24°23	1°43	1°51	1°22	11°47	F 16
S 17	20 6 50	0♌43'06	4♈46	11°26	16° 8	4°19	16° 9	10°25	20°20	18°50	24°21	1°43	1°48	1°28	11°45	S 17
S 18	20 10 46	1°40'32	17°56	12°29	16°56	4°59	16°11	10°21	20°24	18°52	24°20	1°R43	1°45	1°35	11°43	S 18
M19	20 14 43	2°38'00	1♉25	13°38	17°45	5°39	16°13	10°17	20°27	18°53	24°18	1°D43	1°42	1°42	11°41	M19
T 20	20 18 39	3°35'29	15°15	14°53	18°35	6°19	16°15	10°13	20°31	18°55	24°17	1°43	1°39	1°48	11°39	T 20
W21	20 22 36	4°32'59	29°26	16°13	19°26	6°59	16°18	10° 9	20°35	18°57	24°16	1°43	1°36	1°55	11°37	W21
T 22	20 26 33	5°30'31	13♊55	17°37	20°17	7°38	16°20	10° 6	20°38	18°58	24°14	1°44	1°32	2° 2	11°35	T 22
F 23	20 30 29	6°28'04	28°40	19° 7	21° 9	8°18	16°23	10° 2	20°42	19° 0	24°13	1°44	1°29	2° 8	11°33	F 23
S 24	20 34 26	7°25'39	13♋34	20°41	22° 2	8°58	16°26	9°58	20°45	19° 2	24°11	1°45	1°26	2°15	11°31	S 24
S 25	20 38 22	8°23'15	28°30	22°20	22°55	9°37	16°30	9°54	20°49	19° 4	24°10	1°R45	1°23	2°22	11°29	S 25
M26	20 42 19	9°20'52	13♌21	24° 2	23°49	10°16	16°33	9°51	20°52	19° 5	24° 9	1°45	1°20	2°28	11°26	M26
T 27	20 46 15	10°18'30	27°59	25°48	24°43	10°56	16°37	9°47	20°56	19° 7	24° 7	1°44	1°16	2°35	11°24	T 27
W28	20 50 12	11°16'09	12♍17	27°37	25°38	11°35	16°40	9°44	20°59	19° 9	24° 6	1°43	1°13	2°42	11°22	W28
T 29	20 54 9	12°13'50	26°12	29°29	26°33	12°14	16°44	9°41	21° 3	19°11	24° 5	1°42	1°10	2°48	11°19	T 29
F 30	20 58 5	13°11'31	9♎41	1♌23	27°29	12°53	16°48	9°37	21° 6	19°13	24° 3	1°41	1° 7	2°55	11°17	F 30
S 31	21 2 2	14♌ 9'14	22♎45	3♌20	28♊25	13♊32	16♏53	9♑34	21♋10	19♍15	24♑ 2	1♒39	1♒ 4	3♑ 2	11♓15	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22n38	1n19	3s48	18n31	4s47	16n45	4s36	18n 7	0s36	15s49	0n55	22s46	0n16	22n35	0n28	5n47	1n18	25s32	4s21	19s50	19s39	26s20	2s19	5n	5
F 2	22 31	4s40	4 33	18 37	4 42	16 50	4 36	18 18	0 36	15 49	0 55	22 47	0 16	22 35	0 28	5 47	1 18	25 32	4 21	19 50	19 39	26 20	2 19	5	5
S 3	22 24	10 16	5 2	18 44	4 37	16 56	4 36	18 29	0 35	15 49	0 55	22 47	0 16	22 34	0 28	5 46	1 18	25 33	4 21	19 50	19 40	26 19	2 20	5	5
S 4	22 17	15 17	5 15	18 52	4 29	17 2	4 35	18 39	0 34	15 49	0 55	22 47	0 15	22 34	0 28	5 46	1 18	25 33	4 21	19 50	19 41	26 18	2 20	5	6
M 5	22 9	19 34	5 14	19 2	4 21	17 9	4 35	18 50	0 34	15 49	0 54	22 48	0 15	22 33	0 28	5 45	1 18	25 33	4 21	19 50	19 42	26 17	2 20	5	6
T 6	22 0	22 57	4 58	19 12	4 11	17 15	4 34	19 0	0 33	15 49	0 54	22 48	0 15	22 33	0 28	5 45	1 18	25 34	4 21	19 50	19 42	26 17	2 21	5	6
W 7	21 52	25 19	4 30	19 23	4 0	17 22	4 33	19 10	0 32	15 49	0 54	22 49	0 15	22 32	0 28	5 44	1 18	25 34	4 21	19 51	19 43	26 16	2 21	5	6
T 8	21 43	26 31	3 50	19 34	3 49	17 29	4 32	19 20	0 31	15 50	0 54	22 49	0 15	22 32	0 28	5 43	1 18	25 35	4 21	19 51	19 44	26 15	2 22	5	6
F 9	21 33	26 31	3 1	19 47	3 36	17 36	4 30	19 30	0 31	15 50	0 53	22 50	0 15	22 31	0 28	5 43	1 18	25 35	4 21	19 51	19 44	26 14	2 22	5	6
S 10	21 23	25 18	2 4	19 59	3 22	17 44	4 29	19 39	0 30	15 50	0 53	22 50	0 15	22 31	0 28	5 42	1 18	25 35	4 21	19 51	19 45	26 13	2 23	5	7
S 11	21 13	22 56	1 1	20 12	3 8	17 51	4 27	19 49	0 29	15 51	0 53	22 51	0 15	22 30	0 28	5 42	1 18	25 36	4 21	19 52	19 46	26 13	2 23	5	7
M12	21 3	19 34	0n 5	20 25	2 54	17 59	4 25	19 58	0 28	15 51	0 53	22 51	0 15	22 29	0 28	5 41	1 18	25 36	4 22	19 52	19 47	26 12	2 24	5	7
T 13	20 52	15 21	1 12	20 38	2 39	18 6	4 23	20 7	0 28	15 52	0 52	22 51	0 15	22 29	0 28	5 40	1 18	25 36	4 22	19 52	19 47	26 11	2 24	5	7
W14	20 40	10 28	2 15	20 51	2 24	18 14	4 21	20 16	0 27	15 53	0 52	22 52	0 15	22 28	0 28	5 40	1 18	25 37	4 22	19 51	19 48	26 10	2 25	5	7
T 15	20 29	5 7	3 14	21 3	2 9	18 22	4 18	20 25	0 26	15 53	0 52	22 52	0 14	22 28	0 28	5 39	1 18	25 37	4 22	19 51	19 49	26 9	2 25	5	7
F 16	20 17	0n31	4 4	21 14	1 53	18 29	4 16	20 33	0 25	15 54	0 52	22 53	0 14	22 27	0 28	5 38	1 18	25 37	4 22	19 51	19 49	26 9	2 26	5	8
S 17	20 5	6 14	4 43	21 25	1 38	18 37	4 13	20 41	0 24	15 55	0 51	22 53	0 14	22 27	0 28	5 38	1 18	25 38	4 22	19 51	19 50	26 8	2 26	5	8
S 18	19 52	11 48	5 8	21 35	1 22	18 44	4 10	20 50	0 24	15 56	0 51	22 54	0 14	22 26	0 28	5 37	1 18	25 38	4 22	19 51	19 51	26 7	2 27	5	8
M19	19 39	16 58	5 18	21 43	1 7	18 52	4 7	20 58	0 23	15 56	0 51	22 54	0 14	22 26	0 28	5 36	1 18	25 38	4 22	19 51	19 52	26 6	2 28	5	8
T 20	19 26	21 23	5 9	21 50	0 52	18 59	4 4	21 5	0 22	15 57	0 51	22 54	0 14	22 25	0 28	5 36	1 18	25 38	4 22	19 51	19 52	26 5	2 28	5	8
W21	19 12	24 41	4 41	21 56	0 37	19 6	4 1	21 13	0 21	15 58	0 50	22 55	0 14	22 25	0 28	5 35	1 18	25 39	4 22	19 51	19 53	26 4	2 29	5	8
T 22	18 58	26 27	3 56	21 59	0 23	19 13	3 58	21 20	0 20	15 59	0 50	22 55	0 14	22 24	0 28	5 34	1 18	25 39	4 22	19 51	19 54	26 3	2 30	5	8
F 23	18 44	26 25	2 54	22 0	0 9	19 20	3 55	21 27	0 19	16 0	0 50	22 56	0 14	22 24	0 28	5 34	1 18	25 39	4 22	19 51	19 54	26 3	2 30	5	9
S 24	18 29	24 29	1 39	22 0	0n 4	19 27	3 51	21 34	0 19	16 2	0 50	22 56	0 14	22 23	0 28	5 33	1 18	25 40	4 22	19 51	19 55	26 2	2 31	5	9
S 25	18 14	20 50	0 18	21 56	0 16	19 33	3 48	21 41	0 18	16 3	0 49	22 56	0 13	22 23	0 28	5 32	1 18	25 40	4 22	19 51	19 56	26 1	2 32	5	9
M26	17 59	15 51	1s 4	21 51	0 28	19 40	3 44	21 48	0 17	16 4	0 49	22 57	0 13	22 22	0 28	5 32	1 18	25 40	4 22	19 51	19 57	26 0	2 32	5	9
T 27	17 44	10 1	2 21	21 42	0 39	19 46	3 40	21 54	0 16	16 5	0 49	22 57	0 13	22 21	0 28	5 31	1 18	25 41	4 22	19 51	19 57	25 59	2 33	5	9
W28	17 28	3 48	3 26	21 32	0 49	19 51	3 36	22 1	0 15	16 6	0 49	22 57	0 13	22 21	0 28	5 30	1 18	25 41	4 23	19 51	19 58	25 58	2 34	5	9
T 29	17 12	2s26	4 18	21 18	0 59	19 57	3 33	22 7	0 14	16 8	0 48	22 58	0 13	22 20	0 28	5 29	1 18	25 41	4 23	19 52	19 59	25 57	2 35	5	9
F 30	16 55	8 21	4 54	21 1	1 7	20 2	3 29	22 13	0 13	16 9	0 48	22 58	0 13	22 20	0 28	5 29	1 18	25 41	4 23	19 52	19 59	25 56	2 36	5	9
S 31	16n39	13s43	5s13	20n42	1n15	20n 7	3s25	22n18	0s12	16s11	0n48	22s58	0n13	22n19	0n28	5n28	1n18	25s42	4s23	19s52	20s 0	25s55	2s36	5n	9

Julian Day Number = 2189854.5, Delta T = 10m50s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'52, Lahiri = 13°51'52 Julian Calendar 1 July 1283 == Greg. Calendar 8 July 1283

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1283
geocentric

AUGUST 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 5 58	15♌ 6'58	5♏26	5♌17	29♊22	14♊10	16♏57	9°R31	21♋13	19♍17	24°R 1	1°R39	1♒ 1	3♉ 8	11°R12	S 1
M 2	21 9 55	16° 4'43	17°48	7°16	0♋19	14°49	17° 2	9♉28	21°17	19°19	24♉ 0	1°D38	0°57	3°15	11♓10	M 2
T 3	21 13 51	17° 2'29	29°54	9°16	1°17	15°27	17° 6	9°25	21°20	19°20	23°58	1♒39	0°54	3°22	11° 7	T 3
W 4	21 17 48	18° 0'17	11♐51	11°16	2°15	16° 6	17°11	9°22	21°24	19°22	23°57	1°40	0°51	3°28	11° 5	W 4
T 5	21 21 44	18°58'06	23°41	13°16	3°14	16°44	17°16	9°19	21°27	19°24	23°56	1°41	0°48	3°35	11° 2	T 5
F 6	21 25 41	19°55'56	5♑30	15°17	4°13	17°22	17°22	9°16	21°30	19°26	23°55	1°43	0°45	3°42	11° 0	F 6
S 7	21 29 38	20°53'47	17°22	17°17	5°12	18° 0	17°27	9°13	21°34	19°28	23°53	1°44	0°42	3°48	10°57	S 7
S 8	21 33 34	21°51'40	29°19	19°17	6°12	18°38	17°33	9°11	21°37	19°30	23°52	1°R45	0°38	3°55	10°54	S 8
M 9	21 37 31	22°49'34	11♒25	21°16	7°12	19°16	17°38	9° 8	21°40	19°32	23°51	1°44	0°35	4° 2	10°52	M 9
T 10	21 41 27	23°47'30	23°41	23°14	8°12	19°54	17°44	9° 6	21°43	19°34	23°50	1°43	0°32	4° 8	10°49	T 10
W11	21 45 24	24°45'27	6♓10	25°11	9°13	20°32	17°50	9° 3	21°47	19°37	23°49	1°40	0°29	4°15	10°46	W11
T 12	21 49 20	25°43'26	18°51	27° 7	10°14	21° 9	17°56	9° 1	21°50	19°39	23°47	1°37	0°26	4°22	10°44	T 12
F 13	21 53 17	26°41'27	1♈46	29° 3	11°16	21°47	18° 2	8°58	21°53	19°41	23°46	1°33	0°22	4°28	10°41	F 13
S 14	21 57 13	27°39'29	14°55	0♍57	12°18	22°24	18° 9	8°56	21°56	19°43	23°45	1°29	0°19	4°35	10°38	S 14
S 15	22 1 10	28°37'34	28°17	2°50	13°20	23° 1	18°15	8°54	21°59	19°45	23°44	1°26	0°16	4°42	10°35	S 15
M16	22 5 6	29°35'40	11♉53	4°42	14°22	23°38	18°22	8°52	22° 2	19°47	23°43	1°24	0°13	4°48	10°33	M16
T 17	22 9 3	0♍33'49	25°43	6°32	15°25	24°15	18°29	8°50	22° 6	19°49	23°42	1°D23	0°10	4°55	10°30	T 17
W18	22 13 0	1°31'59	9♊45	8°22	16°28	24°52	18°36	8°48	22° 9	19°51	23°41	1°23	0° 7	5° 2	10°27	W18
T 19	22 16 56	2°30'12	23°58	10°10	17°32	25°29	18°43	8°47	22°12	19°53	23°40	1°24	0° 3	5° 8	10°24	T 19
F 20	22 20 53	3°28'27	8♋22	11°57	18°35	26° 5	18°50	8°45	22°15	19°56	23°39	1°25	0° 0	5°15	10°21	F 20
S 21	22 24 49	4°26'44	22°52	13°43	19°39	26°42	18°58	8°44	22°18	19°58	23°38	1°26	29♉57	5°22	10°19	S 21
S 22	22 28 46	5°25'03	7♌25	15°28	20°43	27°18	19° 5	8°42	22°20	20° 0	23°37	1°R27	29°54	5°28	10°16	S 22
M23	22 32 42	6°23'24	21°56	17°11	21°48	27°54	19°13	8°41	22°23	20° 2	23°36	1°25	29°51	5°35	10°13	M23
T 24	22 36 39	7°21'47	6♍18	18°54	22°53	28°30	19°21	8°39	22°26	20° 4	23°35	1°22	29°48	5°42	10°10	T 24
W25	22 40 35	8°20'11	20°26	20°35	23°58	29° 6	19°29	8°38	22°29	20° 6	23°34	1°17	29°44	5°48	10° 7	W25
T 26	22 44 32	9°18'38	4♎16	22°15	25° 3	29°42	19°37	8°37	22°32	20° 9	23°33	1°11	29°41	5°55	10° 5	T 26
F 27	22 48 29	10°17'06	17°43	23°55	26° 8	0♋18	19°45	8°36	22°35	20°11	23°32	1° 5	29°38	6° 2	10° 2	F 27
S 28	22 52 25	11°15'36	0♏48	25°33	27°14	0°53	19°53	8°35	22°37	20°13	23°32	0°59	29°35	6° 8	9°59	S 28
S 29	22 56 22	12°14'08	13°31	27°10	28°20	1°28	20° 2	8°34	22°40	20°15	23°31	0°54	29°32	6°15	9°56	S 29
M30	23 0 18	13°12'41	25°54	28°46	29°26	2° 4	20°10	8°34	22°43	20°17	23°30	0°50	29°28	6°22	9°53	M30
T 31	23 4 15	14♍11'16	8♐ 2	0♎20	0♌32	2♋39	20♏19	8♉33	22♋45	20♍20	23♉29	0♒49	29♉25	6♉28	9♓50	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n22	18s20	5s16	20n21	1n22	20n11	3s20	22n24	0s12	16s12	0n48	22s59	0n13	22n19	0n28	5n27	1n18	25s42	4s23	19s52	20s 1	25s54	2s37	5n 9
M 2	16 5	22 4	5 4	19 57	1 28	20 16	3 16	22 29	0 11	16 14	0 48	22 59	0 13	22 18	0 28	5 26	1 18	25 42	4 23	19 52	20 1	25 53	2 38	5 9
T 3	15 47	24 45	4 39	19 30	1 33	20 20	3 12	22 35	0 10	16 15	0 47	22 59	0 13	22 18	0 28	5 26	1 18	25 42	4 23	19 52	20 2	25 52	2 39	5 10
W 4	15 30	26 18	4 2	19 1	1 37	20 23	3 8	22 40	0 9	16 17	0 47	23 0	0 12	22 17	0 28	5 25	1 18	25 43	4 23	19 52	20 3	25 51	2 40	5 10
T 5	15 12	26 38	3 15	18 30	1 41	20 26	3 4	22 44	0 8	16 18	0 47	23 0	0 12	22 17	0 28	5 24	1 18	25 43	4 23	19 52	20 4	25 51	2 41	5 10
F 6	14 54	25 45	2 20	17 58	1 43	20 29	2 59	22 49	0 7	16 20	0 47	23 0	0 12	22 16	0 28	5 23	1 18	25 43	4 23	19 51	20 4	25 50	2 42	5 10
S 7	14 35	23 42	1 19	17 23	1 45	20 31	2 55	22 53	0 6	16 22	0 46	23 1	0 12	22 16	0 28	5 22	1 18	25 43	4 23	19 51	20 5	25 49	2 43	5 10
S 8	14 17	20 36	0 13	16 47	1 46	20 33	2 50	22 58	0 5	16 24	0 46	23 1	0 12	22 15	0 28	5 22	1 18	25 44	4 23	19 51	20 6	25 48	2 44	5 10
M 9	13 58	16 34	0n53	16 9	1 46	20 35	2 46	23 2	0 4	16 25	0 46	23 1	0 12	22 15	0 28	5 21	1 18	25 44	4 23	19 51	20 6	25 47	2 45	5 10
T 10	13 39	11 49	1 58	15 30	1 46	20 36	2 41	23 6	0 3	16 27	0 46	23 1	0 12	22 14	0 28	5 20	1 18	25 44	4 23	19 51	20 7	25 46	2 46	5 10
W11	13 19	6 32	2 58	14 50	1 45	20 36	2 37	23 9	0 2	16 29	0 45	23 2	0 12	22 14	0 28	5 19	1 18	25 44	4 23	19 52	20 8	25 45	2 47	5 10
T 12	13 0	0 53	3 51	14 8	1 44	20 37	2 32	23 13	0 1	16 31	0 45	23 2	0 12	22 13	0 28	5 18	1 18	25 45	4 23	19 53	20 8	25 44	2 48	5 10
F 13	12 40	4n52	4 32	13 26	1 42	20 36	2 28	23 16	0 0	16 33	0 45	23 2	0 12	22 13	0 28	5 17	1 18	25 45	4 23	19 54	20 9	25 43	2 49	5 10
S 14	12 20	10 31	5 1	12 43	1 39	20 35	2 23	23 20	0n 1	16 35	0 45	23 2	0 11	22 12	0 28	5 17	1 18	25 45	4 23	19 54	20 10	25 42	2 50	5 10
S 15	12 0	15 46	5 13	12 0	1 36	20 34	2 18	23 23	0 2	16 37	0 45	23 3	0 11	22 12	0 28	5 16	1 18	25 45	4 23	19 55	20 10	25 40	2 51	5 10
M16	11 40	20 21	5 8	11 16	1 32	20 33	2 14	23 26	0 3	16 39	0 44	23 3	0 11	22 11	0 28	5 15	1 18	25 45	4 23	19 56	20 11	25 39	2 52	5 10
T 17	11 19	23 53	4 46	10 31	1 28	20 30	2 9	23 28	0 4	16 41	0 44	23 3	0 11	22 11	0 28	5 14	1 18	25 46	4 23	19 56	20 12	25 38	2 53	5 10
W18	10 58	26 3	4 6	9 46	1 24	20 28	2 4	23 31	0 5	16 43	0 44	23 3	0 11	22 10	0 28	5 13	1 18	25 46	4 23	19 56	20 12	25 37	2 54	5 10
T 19	10 37	26 34	3 11	9 0	1 19	20 24	1 59	23 33	0 6	16 46	0 44	23 4	0 11	22 10	0 28	5 12	1 18	25 46	4 23	19 56	20 13	25 36	2 55	5 10
F 20	10 16	25 19	2 3	8 15	1 14	20 21	1 55	23 35	0 7	16 48	0 44	23 4	0 11	22 9	0 28	5 12	1 18	25 46	4 23	19 55	20 14	25 35	2 56	5 10
S 21	9 55	22 21	0 47	7 29	1 9	20 16	1 50	23 37	0 8	16 50	0 43	23 4	0 11	22 9	0 29	5 11	1 17	25 46	4 23	19 55	20 14	25 34	2 57	5 10
S 22	9 34	17 58	0s33	6 43	1 3	20 12	1 45	23 39	0 9	16 52	0 43	23 4	0 11	22 9	0 29	5 10	1 17	25 47	4 23	19 55	20 15	25 33	2 58	5 10
M23	9 12	12 32	1 50	5 58	0 57	20 6	1 41	23 41	0 10	16 55	0 43	23 4	0 11	22 8	0 29	5 9	1 17	25 47	4 23	19 55	20 16	25 32	2 59	5 10
T 24	8 50	6 28	2 59	5 12	0 51	20 0	1 36	23 43	0 11	16 57	0 43	23 5	0 10	22 8	0 29	5 8	1 17	25 47	4 23	19 56	20 16	25 31	3 0	5 10
W25	8 29	0 12	3 55	4 26	0 45	19 54	1 31	23 44	0 12	16 59	0 42	23 5	0 10	22 7	0 29	5 7	1 17	25 47	4 23	19 57	20 17	25 30	3 1	5 10
T 26	8 7	5s56	4 37	3 40	0 38	19 47	1 27	23 45	0 13	17 2	0 42	23 5	0 10	22 7	0 29	5 6	1 17	25 47	4 23	19 58	20 18	25 29	3 2	5 10
F 27	7 44	11 37	5 2	2 55	0 32	19 40	1 22	23 46	0 14	17 4	0 42	23 5	0 10	22 6	0 29	5 5	1 17	25 47	4 23	20 0	20 18	25 28	3 3	5 10
S 28	7 22	16 38	5 10	2 10	0 25	19 32	1 17	23 47	0 15	17 7	0 42	23 5	0 10	22 6	0 29	5 5	1 17	25 47	4 23	20 1	20 19	25 26	3 5	5 10
S 29	7 0	20 46	5 3	1 24	0 18	19 23	1 13	23 48	0 16	17 9	0 42	23 5	0 10	22 6	0 29	5 4	1 17	25 48	4 23	20 2	20 20	25 25	3 6	5 10
M30	6 37	23 51	4 41	0 40	0 11	19 14	1 8	23 49	0 18	17 11	0 41	23 5	0 10	22 5	0 29	5 3	1 17	25 48	4 23	20 3	20 20	25 24	3 7	5 9
T 31	6n15	25s48	4s 7	0s 5	0n 4	19n 5	1s 3	23n49	0n19	17s14	0n41	23s 6	0n10	22n 5	0n29	5n 2	1n18	25s48	4s23	20s 3	20s21	25s23	3s 8	5n 9

Julian Day Number = 2189885.5, Delta T = 10m50s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°44'56, Lahiri = 13°51'57 Julian Calendar 1 Aug. 1283 == Greg. Calendar 8 Aug. 1283

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ASTRODIENST EPHEMERIS for the year 1283
geocentric

SEPTEMBER 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 8 11	15♍ 9'53	19♐58	1♎54	1♌39	3♋14	20♏28	8°R33	22♋48	20♍22	23°R28	0°D49	29♑22	6♑35	9°R48	W 1
T 2	23 12 8	16° 8'32	1♑48	3°27	2°45	3°48	20°37	8♑32	22°50	20°24	23♑28	0♒50	29°19	6°41	9♓45	T 2
F 3	23 16 4	17° 7'12	13°37	4°59	3°52	4°23	20°46	8°32	22°53	20°26	23°27	0°51	29°16	6°48	9°42	F 3
S 4	23 20 1	18° 5'54	25°30	6°30	5° 0	4°57	20°55	8°32	22°55	20°29	23°26	0°R52	29°13	6°55	9°39	S 4
S 5	23 23 58	19° 4'38	7♒32	7°59	6° 7	5°32	21° 4	8°32	22°58	20°31	23°26	0°52	29° 9	7° 1	9°36	S 5
M 6	23 27 54	20° 3'24	19°46	9°28	7°14	6° 6	21°14	8°D32	23° 0	20°33	23°25	0°50	29° 6	7° 8	9°34	M 6
T 7	23 31 51	21° 2'11	2♓16	10°56	8°22	6°40	21°23	8°32	23° 3	20°35	23°24	0°46	29° 3	7°15	9°31	T 7
W 8	23 35 47	22° 1'01	15° 2	12°23	9°30	7°14	21°33	8°32	23° 5	20°38	23°24	0°40	29° 0	7°21	9°28	W 8
T 9	23 39 44	22°59'52	28° 5	13°48	10°38	7°47	21°42	8°32	23° 7	20°40	23°23	0°32	28°57	7°28	9°25	T 9
F 10	23 43 40	23°58'46	11♈24	15°13	11°46	8°21	21°52	8°32	23° 9	20°42	23°23	0°22	28°53	7°35	9°23	F 10
S 11	23 47 37	24°57'41	24°57	16°37	12°55	8°54	22° 2	8°33	23°12	20°44	23°22	0°13	28°50	7°41	9°20	S 11
S 12	23 51 33	25°56'39	8♉42	17°59	14° 3	9°27	22°12	8°33	23°14	20°46	23°22	0° 5	28°47	7°48	9°17	S 12
M13	23 55 30	26°55'40	22°35	19°20	15°12	10° 0	22°22	8°34	23°16	20°49	23°21	29♑58	28°44	7°55	9°15	M13
T 14	23 59 27	27°54'42	6♊35	20°40	16°21	10°33	22°33	8°35	23°18	20°51	23°21	29°54	28°41	8° 1	9°12	T 14
W15	0 3 23	28°53'47	20°38	21°59	17°30	11° 6	22°43	8°36	23°20	20°53	23°20	29°52	28°38	8° 8	9° 9	W15
T 16	0 7 20	29°52'55	4♋45	23°17	18°40	11°38	22°53	8°37	23°22	20°55	23°20	29°D52	28°34	8°15	9° 7	T 16
F 17	0 11 16	0♎52'05	18°53	24°33	19°49	12°11	23° 4	8°38	23°24	20°58	23°20	29°53	28°31	8°21	9° 4	F 17
S 18	0 15 13	1°51'17	3♌ 2	25°48	20°59	12°43	23°14	8°39	23°26	21° 0	23°19	29°R53	28°28	8°28	9° 2	S 18
S 19	0 19 9	2°50'31	17°10	27° 1	22° 8	13°14	23°25	8°40	23°27	21° 2	23°19	29°52	28°25	8°35	8°59	S 19
M20	0 23 6	3°49'48	1♍14	28°12	23°18	13°46	23°36	8°42	23°29	21° 4	23°19	29°48	28°22	8°41	8°57	M20
T 21	0 27 2	4°49'07	15°11	29°22	24°28	14°18	23°47	8°43	23°31	21° 6	23°18	29°42	28°19	8°48	8°54	T 21
W22	0 30 59	5°48'28	28°59	0♏30	25°38	14°49	23°58	8°45	23°33	21° 8	23°18	29°33	28°15	8°55	8°52	W22
T 23	0 34 56	6°47'51	12♎32	1°36	26°49	15°20	24° 9	8°46	23°34	21°11	23°18	29°22	28°12	9° 1	8°49	T 23
F 24	0 38 52	7°47'17	25°49	2°40	27°59	15°51	24°20	8°48	23°36	21°13	23°18	29°10	28° 9	9° 8	8°47	F 24
S 25	0 42 49	8°46'44	8♏47	3°41	29°10	16°21	24°31	8°50	23°37	21°15	23°18	28°58	28° 6	9°15	8°44	S 25
S 26	0 46 45	9°46'13	21°26	4°40	0♍20	16°52	24°42	8°52	23°39	21°17	23°18	28°48	28° 3	9°21	8°42	S 26
M27	0 50 42	10°45'44	3♐47	5°35	1°31	17°22	24°54	8°54	23°40	21°19	23°17	28°40	27°59	9°28	8°40	M27
T 28	0 54 38	11°45'17	15°54	6°28	2°42	17°52	25° 5	8°56	23°42	21°21	23°17	28°35	27°56	9°34	8°38	T 28
W29	0 58 35	12°44'52	27°49	7°17	3°53	18°22	25°17	8°58	23°43	21°24	23°D17	28°32	27°53	9°41	8°35	W29
T 30	1 2 31	13♎44'29	9♑38	8♏ 2	5♍ 4	18♋51	25♏28	9♑ 1	23♋44	21♍26	23♑17	28°D31	27♑50	9♑48	8♓33	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	5n52	26s32	3s23	0s49	0s 4	18n55	0s59	23n49	0n20	17s17	0n41	23s 6	0n10	22n 4	0n29	5n 1	1n18	25s48	4s23	20s 3	20s22	25s22	3s 9	5n 9	W 1
T 2	5 29	26 2	2 31	1 33	0 11	18 44	0 54	23 50	0 21	17 19	0 41	23 6	0 10	22 4	0 29	5 0	1 18	25 48	4 23	20 3	20 22	25 21	3 10	5 9	T 2
F 3	5 6	24 22	1 32	2 16	0 19	18 33	0 50	23 50	0 22	17 22	0 41	23 6	0 9	22 3	0 29	4 59	1 18	25 48	4 23	20 3	20 23	25 20	3 11	5 9	F 3
S 4	4 43	21 36	0 29	2 59	0 26	18 22	0 45	23 50	0 23	17 24	0 41	23 6	0 9	22 3	0 29	4 58	1 18	25 48	4 23	20 3	20 24	25 18	3 13	5 9	S 4
S 5	4 20	17 53	0n36	3 42	0 34	18 9	0 41	23 49	0 24	17 27	0 40	23 6	0 9	22 3	0 29	4 58	1 18	25 48	4 23	20 3	20 24	25 17	3 14	5 9	S 5
M 6	3 57	13 21	1 40	4 24	0 41	17 57	0 36	23 49	0 26	17 30	0 40	23 6	0 9	22 2	0 29	4 57	1 18	25 48	4 23	20 3	20 25	25 16	3 15	5 9	M 6
T 7	3 34	8 12	2 41	5 5	0 49	17 44	0 32	23 49	0 27	17 32	0 40	23 6	0 9	22 2	0 29	4 56	1 18	25 49	4 23	20 4	20 26	25 15	3 16	5 9	T 7
W 8	3 11	2 37	3 35	5 47	0 56	17 30	0 28	23 48	0 28	17 35	0 40	23 6	0 9	22 2	0 29	4 55	1 18	25 49	4 23	20 5	20 26	25 14	3 17	5 9	W 8
T 9	2 47	3n11	4 18	6 27	1 4	17 16	0 23	23 47	0 29	17 38	0 40	23 7	0 9	22 1	0 29	4 54	1 18	25 49	4 23	20 7	20 27	25 12	3 18	5 8	T 9
F 10	2 24	8 57	4 49	7 7	1 12	17 1	0 19	23 47	0 30	17 40	0 39	23 7	0 9	22 1	0 29	4 53	1 18	25 49	4 23	20 9	20 28	25 11	3 19	5 8	F 10
S 11	2 1	14 24	5 4	7 46	1 19	16 46	0 15	23 46	0 32	17 43	0 39	23 7	0 9	22 1	0 29	4 52	1 18	25 49	4 23	20 11	20 28	25 10	3 20	5 8	S 11
S 12	1 37	19 13	5 2	8 25	1 26	16 30	0 11	23 45	0 33	17 46	0 39	23 7	0 9	22 0	0 29	4 52	1 18	25 49	4 23	20 13	20 29	25 9	3 22	5 8	S 12
M13	1 14	23 2	4 42	9 3	1 34	16 14	0 7	23 43	0 34	17 48	0 39	23 7	0 9	22 0	0 29	4 51	1 18	25 49	4 23	20 14	20 30	25 8	3 23	5 8	M13
T 14	0 50	25 31	4 6	9 40	1 41	15 57	0 3	23 42	0 35	17 51	0 39	23 7	0 8	22 0	0 29	4 50	1 18	25 49	4 23	20 15	20 30	25 6	3 24	5 8	T 14
W15	0 26	26 25	3 14	10 16	1 48	15 40	0n 1	23 41	0 37	17 54	0 39	23 7	0 8	21 59	0 29	4 49	1 18	25 49	4 23	20 15	20 31	25 5	3 25	5 8	W15
T 16	0 3	25 37	2 10	10 52	1 55	15 23	0 5	23 39	0 38	17 57	0 38	23 7	0 8	21 59	0 29	4 48	1 18	25 49	4 22	20 16	20 32	25 4	3 26	5 7	T 16
F 17	0s21	23 10	0 58	11 26	2 2	15 5	0 9	23 37	0 39	18 0	0 38	23 7	0 8	21 59	0 29	4 47	1 18	25 49	4 22	20 15	20 32	25 3	3 27	5 7	F 17
S 18	0 44	19 17	0s17	12 0	2 9	14 46	0 13	23 36	0 41	18 2	0 38	23 7	0 8	21 58	0 29	4 46	1 18	25 49	4 22	20 15	20 33	25 1	3 28	5 7	S 18
S 19	1 8	14 19	1 31	12 33	2 15	14 27	0 17	23 34	0 42	18 5	0 38	23 7	0 8	21 58	0 29	4 45	1 18	25 49	4 22	20 16	20 34	25 0	3 29	5 7	S 19
M20	1 32	8 36	2 39	13 5	2 22	14 8	0 21	23 32	0 43	18 8	0 38	23 7	0 8	21 58	0 29	4 45	1 18	25 49	4 22	20 16	20 34	24 59	3 31	5 7	M20
T 21	1 55	2 32	3 37	13 36	2 28	13 48	0 24	23 30	0 44	18 11	0 38	23 7	0 8	21 58	0 29	4 44	1 18	25 49	4 22	20 18	20 35	24 58	3 32	5 6	T 21
W22	2 19	3s35	4 21	14 6	2 34	13 28	0 28	23 28	0 46	18 14	0 37	23 7	0 8	21 57	0 29	4 43	1 18	25 49	4 22	20 20	20 36	24 56	3 33	5 6	W22
T 23	2 43	9 25	4 50	14 34	2 39	13 7	0 31	23 26	0 47	18 17	0 37	23 7	0 8	21 57	0 29	4 42	1 18	25 49	4 22	20 22	20 36	24 55	3 34	5 6	T 23
F 24	3 6	14 41	5 2	15 1	2 45	12 46	0 35	23 24	0 49	18 20	0 37	23 7	0 7	21 57	0 30	4 41	1 18	25 49	4 22	20 24	20 37	24 54	3 35	5 6	F 24
S 25	3 30	19 11	4 58	15 27	2 50	12 24	0 38	23 21	0 50	18 23	0 37	23 7	0 7	21 57	0 30	4 40	1 18	25 49	4 22	20 27	20 37	24 52	3 36	5 6	S 25
S 26	3 53	22 41	4 39	15 51	2 54	12 3	0 41	23 19	0 51	18 25	0 37	23 7	0 7	21 56	0 30	4 40	1 18	25 49	4 22	20 29	20 38	24 51	3 37	5 5	S 26
M27	4 17	25 3	4 8	16 14	2 58	11 40	0 45	23 16	0 53	18 28	0 37	23 7	0 7	21 56	0 30	4 39	1 18	25 49	4 22	20 31	20 39	24 50	3 38	5 5	M27
T 28	4 40	26 12	3 26	16 35	3 2	11 18	0 48	23 14	0 54	18 31	0 37	23 7	0 7	21 56	0 30	4 38	1 18	25 49	4 22	20 32	20 39	24 48	3 39	5 5	T 28
W29	5 3	26 6	2 35	16 55	3 5	10 55	0 51	23 11	0 56	18 34	0 36	23 7	0 7	21 56	0 30	4 37	1 18	25 49	4 22	20 32	20 40	24 47	3 40	5 5	W29
T 30	5s27	24s49	1s38	17s12	3s 8	10n32	0n54	23n 9	0n57	18s37	0n36	23s 7	0n 7	21n56	0n30	4n36	1n18	25s49	4s22	20s32	20s41	24s46	3s41	5n 5	T 30

Julian Day Number = 2189916.5, Delta T = 10m50s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'00, Lahiri = 13°52'01 Julian Calendar 1 Sept. 1283 == Greg. Calendar 8 Sept. 1283

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ASTRODIENST EPHEMERIS for the year 1283
geocentric

OCTOBER 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 6 28	14♎44'08	21♉27	8♏43	6♍15	19♋20	25♏40	9♉ 3	23♋45	21♍28	23♉17	28♉31	27♉47	9♉54	8°R31	F 1
S 2	1 10 25	15°43'48	3♒20	9°20	7°27	19°49	25°52	9° 6	23°47	21°30	23°18	28°R31	27°44	10° 1	8♓29	S 2
S 3	1 14 21	16°43'30	15°24	9°51	8°38	20°18	26° 3	9° 8	23°48	21°32	23°18	28°29	27°40	10° 8	8°27	S 3
M 4	1 18 18	17°43'14	27°42	10°16	9°50	20°47	26°15	9°11	23°49	21°34	23°18	28°26	27°37	10°14	8°25	M 4
T 5	1 22 14	18°42'59	10♓19	10°36	11° 2	21°15	26°27	9°14	23°50	21°36	23°18	28°21	27°34	10°21	8°23	T 5
W 6	1 26 11	19°42'47	23°18	10°48	12°13	21°43	26°39	9°16	23°51	21°38	23°18	28°12	27°31	10°28	8°21	W 6
T 7	1 30 7	20°42'36	6♈39	10°R53	13°25	22°10	26°51	9°19	23°52	21°40	23°18	28° 1	27°28	10°34	8°19	T 7
F 8	1 34 4	21°42'27	20°21	10°51	14°37	22°38	27° 3	9°22	23°52	21°42	23°19	27°49	27°25	10°41	8°17	F 8
S 9	1 38 0	22°42'20	4♉21	10°39	15°49	23° 5	27°16	9°26	23°53	21°44	23°19	27°36	27°21	10°48	8°15	S 9
S 10	1 41 57	23°42'15	18°33	10°19	17° 2	23°32	27°28	9°29	23°54	21°46	23°19	27°25	27°18	10°54	8°14	S 10
M11	1 45 53	24°42'13	2♊52	9°50	18°14	23°58	27°40	9°32	23°55	21°48	23°19	27°16	27°15	11° 1	8°12	M11
T 12	1 49 50	25°42'12	17°13	9°11	19°26	24°25	27°53	9°36	23°55	21°50	23°20	27° 9	27°12	11° 8	8°10	T 12
W13	1 53 47	26°42'14	1♋32	8°23	20°39	24°51	28° 5	9°39	23°56	21°52	23°20	27° 6	27° 9	11°14	8° 9	W13
T 14	1 57 43	27°42'18	15°44	7°27	21°51	25°16	28°18	9°43	23°56	21°54	23°21	27° 4	27° 5	11°21	8° 7	T 14
F 15	2 1 40	28°42'24	29°50	6°23	23° 4	25°42	28°30	9°46	23°57	21°56	23°21	27° 4	27° 2	11°28	8° 6	F 15
S 16	2 5 36	29°42'32	13♌47	5°12	24°17	26° 7	28°43	9°50	23°57	21°57	23°21	27° 4	26°59	11°34	8° 4	S 16
S 17	2 9 33	0♏42'43	27°37	3°56	25°30	26°32	28°55	9°54	23°58	21°59	23°22	27° 2	26°56	11°41	8° 3	S 17
M18	2 13 29	1°42'55	11♍18	2°38	26°43	26°56	29° 8	9°58	23°58	22° 1	23°22	26°58	26°53	11°48	8° 1	M18
T 19	2 17 26	2°43'09	24°50	1°19	27°56	27°20	29°21	10° 2	23°58	22° 3	23°23	26°50	26°50	11°54	8° 0	T 19
W20	2 21 22	3°43'26	8♎12	0° 3	29° 9	27°44	29°34	10° 6	23°58	22° 5	23°24	26°40	26°46	12° 1	7°59	W20
T 21	2 25 19	4°43'44	21°23	28♎51	0♎22	28° 7	29°46	10°10	23°59	22° 6	23°24	26°27	26°43	12° 7	7°57	T 21
F 22	2 29 16	5°44'05	4♏21	27°47	1°35	28°30	29°59	10°14	23°59	22° 8	23°25	26°14	26°40	12°14	7°56	F 22
S 23	2 33 12	6°44'27	17° 5	26°51	2°48	28°53	0♐12	10°19	23°R59	22°10	23°25	26° 0	26°37	12°21	7°55	S 23
S 24	2 37 9	7°44'50	29°33	26° 5	4° 2	29°15	0°25	10°23	23°59	22°12	23°26	25°48	26°34	12°27	7°54	S 24
M25	2 41 5	8°45'16	11♐48	25°31	5°15	29°37	0°38	10°27	23°59	22°13	23°27	25°38	26°31	12°34	7°53	M25
T 26	2 45 2	9°45'43	23°51	25° 8	6°29	29°58	0°51	10°32	23°58	22°15	23°28	25°31	26°27	12°41	7°52	T 26
W27	2 48 58	10°46'11	5♑44	24°D57	7°42	0♌19	1° 4	10°37	23°58	22°17	23°28	25°27	26°24	12°47	7°51	W27
T 28	2 52 55	11°46'41	17°31	24°57	8°56	0°39	1°18	10°41	23°58	22°18	23°29	25°25	26°21	12°54	7°50	T 28
F 29	2 56 51	12°47'13	29°18	25° 8	10°10	1° 0	1°31	10°46	23°58	22°20	23°30	25°D25	26°18	13° 1	7°50	F 29
S 30	3 0 48	13°47'45	11♒10	25°29	11°23	1°19	1°44	10°51	23°57	22°21	23°31	25°R26	26°15	13° 7	7°49	S 30
S 31	3 4 45	14♏48'19	23♒11	25♎59	12♎37	1♌39	1♐57	10♑56	23♋57	22♍23	23♉32	25♉25	26♉11	13♉14	7♓48	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s50	22s26	0s37	17s27	3s 9	10n 8	0n57	23n 6	0n59	18s40	0n36	23s 7	0n 7	21n55	0n30	4n35	1n18	25s49	4s22	20s32	20s41	24s44	3s42	5n 4
S 2	6 13	19 4	0n26	17 40	3 11	9 44	1 0	23 3	1 0	18 43	0 36	23 6	0 7	21 55	0 30	4 35	1 18	25 49	4 22	20 32	20 42	24 43	3 43	5 4
S 3	6 36	14 53	1 28	17 50	3 11	9 20	1 3	23 0	1 1	18 46	0 36	23 6	0 7	21 55	0 30	4 34	1 18	25 49	4 22	20 33	20 43	24 42	3 44	5 4
M 4	6 59	10 0	2 28	17 58	3 10	8 55	1 5	22 57	1 3	18 49	0 36	23 6	0 7	21 55	0 30	4 33	1 18	25 49	4 22	20 33	20 43	24 40	3 45	5 4
T 5	7 22	4 36	3 22	18 2	3 9	8 30	1 8	22 55	1 5	18 52	0 35	23 6	0 6	21 55	0 30	4 32	1 18	25 49	4 22	20 34	20 44	24 39	3 46	5 3
W 6	7 44	1n 7	4 7	18 4	3 6	8 5	1 10	22 52	1 6	18 55	0 35	23 6	0 6	21 55	0 30	4 32	1 18	25 49	4 22	20 36	20 44	24 38	3 47	5 3
T 7	8 7	6 56	4 40	18 2	3 2	7 40	1 13	22 49	1 8	18 58	0 35	23 6	0 6	21 55	0 30	4 31	1 18	25 48	4 22	20 38	20 45	24 36	3 48	5 3
F 8	8 30	12 34	4 58	17 56	2 56	7 14	1 15	22 46	1 9	19 1	0 35	23 6	0 6	21 54	0 30	4 30	1 18	25 48	4 22	20 41	20 46	24 35	3 49	5 3
S 9	8 52	17 41	4 58	17 46	2 50	6 48	1 18	22 43	1 11	19 3	0 35	23 6	0 6	21 54	0 30	4 29	1 18	25 48	4 21	20 43	20 46	24 33	3 50	5 2
S 10	9 14	21 54	4 40	17 31	2 41	6 22	1 20	22 40	1 12	19 6	0 35	23 6	0 6	21 54	0 30	4 28	1 18	25 48	4 21	20 46	20 47	24 32	3 51	5 2
M11	9 36	24 49	4 5	17 12	2 31	5 56	1 22	22 37	1 14	19 9	0 35	23 5	0 6	21 54	0 30	4 28	1 18	25 48	4 21	20 47	20 48	24 31	3 52	5 2
T 12	9 58	26 8	3 14	16 49	2 19	5 29	1 24	22 34	1 16	19 12	0 35	23 5	0 6	21 54	0 30	4 27	1 18	25 48	4 21	20 49	20 48	24 29	3 53	5 1
W13	10 20	25 42	2 11	16 20	2 5	5 2	1 26	22 31	1 17	19 15	0 34	23 5	0 6	21 54	0 30	4 26	1 18	25 48	4 21	20 49	20 49	24 28	3 53	5 1
T 14	10 42	23 35	1 0	15 47	1 50	4 35	1 28	22 27	1 19	19 18	0 34	23 5	0 6	21 54	0 30	4 26	1 18	25 48	4 21	20 50	20 49	24 26	3 54	5 1
F 15	11 3	20 2	0s15	15 10	1 33	4 8	1 30	22 24	1 21	19 21	0 34	23 5	0 6	21 54	0 30	4 25	1 18	25 48	4 21	20 50	20 50	24 25	3 55	5 1
S 16	11 25	15 22	1 27	14 29	1 15	3 41	1 31	22 21	1 22	19 24	0 34	23 5	0 6	21 54	0 30	4 24	1 18	25 47	4 21	20 50	20 51	24 24	3 56	5 0
S 17	11 46	9 56	2 34	13 45	0 55	3 13	1 33	22 18	1 24	19 27	0 34	23 4	0 5	21 54	0 30	4 23	1 18	25 47	4 21	20 50	20 51	24 22	3 57	5 0
M18	12 7	4 6	3 31	12 59	0 35	2 46	1 35	22 15	1 26	19 30	0 34	23 4	0 5	21 54	0 30	4 23	1 18	25 47	4 21	20 51	20 52	24 21	3 57	5 0
T 19	12 28	1s51	4 15	12 12	0 14	2 18	1 36	22 12	1 27	19 33	0 34	23 4	0 5	21 54	0 30	4 22	1 19	25 47	4 21	20 52	20 52	24 19	3 58	4 59
W20	12 48	7 38	4 45	11 26	0n 6	1 50	1 37	22 9	1 29	19 35	0 34	23 4	0 5	21 54	0 30	4 21	1 19	25 47	4 21	20 54	20 53	24 18	3 59	4 59
T 21	13 9	12 59	4 59	10 42	0 27	1 22	1 39	22 6	1 31	19 38	0 33	23 3	0 5	21 54	0 30	4 21	1 19	25 47	4 21	20 57	20 54	24 16	4 0	4 59
F 22	13 29	17 41	4 57	10 1	0 46	0 54	1 40	22 3	1 33	19 41	0 33	23 3	0 5	21 54	0 30	4 20	1 19	25 47	4 21	20 59	20 54	24 15	4 0	4 59
S 23	13 49	21 29	4 41	9 24	1 3	0 25	1 41	22 1	1 35	19 44	0 33	23 3	0 5	21 54	0 31	4 19	1 19	25 46	4 21	21 2	20 55	24 13	4 1	4 58
S 24	14 9	24 13	4 11	8 53	1 20	0s 3	1 42	21 58	1 37	19 47	0 33	23 3	0 5	21 54	0 31	4 19	1 19	25 46	4 21	21 4	20 55	24 12	4 2	4 58
M25	14 28	25 45	3 29	8 27	1 34	0 31	1 43	21 55	1 38	19 50	0 33	23 2	0 5	21 54	0 31	4 18	1 19	25 46	4 21	21 6	20 56	24 10	4 3	4 58
T 26	14 48	26 2	2 39	8 7	1 46	1 0	1 44	21 52	1 40	19 52	0 33	23 2	0 5	21 54	0 31	4 18	1 19	25 46	4 21	21 7	20 57	24 9	4 3	4 57
W27	15 7	25 7	1 43	7 53	1 57	1 28	1 44	21 50	1 42	19 55	0 33	23 2	0 5	21 54	0 31	4 17	1 19	25 46	4 21	21 8	20 57	24 7	4 4	4 57
T 28	15 26	23 4	0 42	7 45	2 5	1 57	1 45	21 47	1 44	19 58	0 33	23 2	0 5	21 54	0 31	4 16	1 19	25 46	4 21	21 8	20 58	24 6	4 4	4 57
F 29	15 44	20 2	0n21	7 43	2 12	2 25	1 46	21 44	1 46	20 1	0 32	23 1	0 4	21 54	0 31	4 16	1 19	25 45	4 21	21 8	20 59	24 4	4 5	4 56
S 30	16 3	16 10	1 23	7 46	2 17	2 54	1 46	21 42	1 48	20 4	0 32	23 1	0 4	21 54	0 31	4 15	1 19	25 45	4 21	21 8	20 59	24 3	4 6	4 56
S 31	16s21	11s36	2n22	7s53	2n21	3s22	1n47	21n40	1n50	20s 6	0n32	23s 1	0n 4	21n54	0n31	4n15	1n19	25s45	4s21	21s 8	21s 0	24s 1	4s 6	4n56

Julian Day Number = 2189946.5, Delta T = 10m50s
Ecliptic obliquity = 23°32'01, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'05, Lahiri = 13°52'05 Julian Calendar 1 Oct. 1283 == Greg. Calendar 8 Oct. 1283

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ASTRODIENST EPHEMERIS for the year 1283
geocentric

NOVEMBER 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 8 41	15♏48'54	5♓28	26♎38	13♎51	1♌57	2♐10	11♑ 1	23°R56	22♍24	23♑33	25°R23	26♑ 8	13♑21	7°R47	M 1
T 2	3 12 38	16°49'30	18° 6	27°24	15° 5	2°16	2°24	11° 6	23♋56	22°26	23°34	25♑19	26° 5	13°27	7♓47	T 2
W 3	3 16 34	17°50'08	1♈ 8	28°17	16°19	2°34	2°37	11°11	23°55	22°27	23°35	25°12	26° 2	13°34	7°46	W 3
T 4	3 20 31	18°50'47	14°37	29°15	17°33	2°51	2°50	11°16	23°55	22°29	23°36	25° 4	25°59	13°41	7°46	T 4
F 5	3 24 27	19°51'27	28°32	0♏19	18°47	3° 8	3° 4	11°21	23°54	22°30	23°37	24°53	25°56	13°47	7°46	F 5
S 6	3 28 24	20°52'08	12♉50	1°27	20° 1	3°25	3°17	11°26	23°53	22°32	23°38	24°42	25°52	13°54	7°45	S 6
S 7	3 32 20	21°52'51	27°26	2°38	21°15	3°41	3°31	11°32	23°53	22°33	23°39	24°32	25°49	14° 0	7°45	S 7
M 8	3 36 17	22°53'35	12♊12	3°53	22°29	3°56	3°44	11°37	23°52	22°34	23°40	24°24	25°46	14° 7	7°45	M 8
T 9	3 40 14	23°54'21	27° 0	5°11	23°43	4°11	3°57	11°43	23°51	22°35	23°41	24°19	25°43	14°14	7°44	T 9
W10	3 44 10	24°55'08	11♋42	6°31	24°58	4°25	4°11	11°48	23°50	22°37	23°42	24°16	25°40	14°20	7°44	W10
T 11	3 48 7	25°55'57	26°13	7°53	26°12	4°39	4°24	11°54	23°49	22°38	23°43	24°D15	25°36	14°27	7°D44	T 11
F 12	3 52 3	26°56'47	10♌30	9°16	27°26	4°52	4°38	12° 0	23°48	22°39	23°44	24°16	25°33	14°34	7°44	F 12
S 13	3 56 0	27°57'39	24°31	10°41	28°41	5° 5	4°52	12° 5	23°47	22°40	23°45	24°R17	25°30	14°40	7°44	S 13
S 14	3 59 56	28°58'32	8♍15	12° 8	29°55	5°17	5° 5	12°11	23°46	22°42	23°47	24°16	25°27	14°47	7°45	S 14
M15	4 3 53	29°59'26	21°44	13°35	1♏10	5°29	5°19	12°17	23°44	22°43	23°48	24°14	25°24	14°54	7°45	M15
T 16	4 7 49	1♐ 0'22	4♎58	15° 3	2°24	5°40	5°32	12°23	23°43	22°44	23°49	24° 9	25°21	15° 0	7°45	T 16
W17	4 11 46	2° 1'19	18° 0	16°32	3°39	5°50	5°46	12°29	23°42	22°45	23°50	24° 2	25°17	15° 7	7°45	W17
T 18	4 15 43	3° 2'17	0♏49	18° 2	4°53	5°59	5°59	12°35	23°41	22°46	23°52	23°54	25°14	15°14	7°46	T 18
F 19	4 19 39	4° 3'17	13°26	19°32	6° 8	6° 8	6°13	12°41	23°39	22°47	23°53	23°44	25°11	15°20	7°46	F 19
S 20	4 23 36	5° 4'18	25°51	21° 2	7°23	6°17	6°27	12°47	23°38	22°48	23°54	23°34	25° 8	15°27	7°46	S 20
S 21	4 27 32	6° 5'20	8♐ 6	22°33	8°37	6°24	6°40	12°53	23°36	22°49	23°56	23°26	25° 5	15°34	7°47	S 21
M22	4 31 29	7° 6'22	20°11	24° 5	9°52	6°31	6°54	12°59	23°35	22°50	23°57	23°19	25° 2	15°40	7°48	M22
T 23	4 35 25	8° 7'26	2♑ 8	25°36	11° 7	6°37	7° 7	13° 5	23°33	22°50	23°59	23°14	24°58	15°47	7°48	T 23
W24	4 39 22	9° 8'30	13°57	27° 8	12°22	6°43	7°21	13°12	23°32	22°51	24° 0	23°11	24°55	15°53	7°49	W24
T 25	4 43 19	10° 9'35	25°43	28°40	13°36	6°48	7°35	13°18	23°30	22°52	24° 2	23°D11	24°52	16° 0	7°50	T 25
F 26	4 47 15	11°10'40	7♒30	0♐12	14°51	6°52	7°48	13°24	23°28	22°53	24° 3	23°12	24°49	16° 7	7°51	F 26
S 27	4 51 12	12°11'46	19°20	1°44	16° 6	6°55	8° 2	13°31	23°27	22°54	24° 5	23°13	24°46	16°13	7°51	S 27
S 28	4 55 8	13°12'52	1♓20	3°17	17°21	6°58	8°15	13°37	23°25	22°54	24° 6	23°15	24°42	16°20	7°52	S 28
M29	4 59 5	14°13'59	13°33	4°49	18°36	7° 0	8°29	13°43	23°23	22°55	24° 8	23°R16	24°39	16°27	7°53	M29
T 30	5 3 1	15♐15'05	26♓ 7	6♐22	19♏51	7♌ 1	8♐43	13♑50	23♋21	22♍56	24♑ 9	23♑15	24♑36	16♑33	7♓54	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s38	6s30	3n16	8s 5	2n23	3s51	1n47	21n37	1n52	20s 9	0n32	23s 0	0n 4	21n55	0n31	4n14	1n19	25s45	4s21	21s 9	21s 0	24s 0	4s 7	4n55
T 2	16 56	1 0	4 2	8 21	2 24	4 19	1 47	21 35	1 54	20 12	0 32	23 0	0 4	21 55	0 31	4 13	1 19	25 45	4 21	21 9	21 1	23 58	4 7	4 55
W 3	17 13	4n42	4 37	8 40	2 24	4 47	1 47	21 33	1 56	20 15	0 32	23 0	0 4	21 55	0 31	4 13	1 19	25 44	4 20	21 11	21 2	23 57	4 8	4 55
T 4	17 30	10 22	4 58	9 2	2 22	5 16	1 47	21 31	1 58	20 17	0 32	22 59	0 4	21 55	0 31	4 12	1 19	25 44	4 20	21 12	21 2	23 55	4 8	4 54
F 5	17 46	15 42	5 3	9 26	2 20	5 44	1 47	21 29	2 0	20 20	0 32	22 59	0 4	21 55	0 31	4 12	1 19	25 44	4 20	21 14	21 3	23 54	4 9	4 54
S 6	18 3	20 20	4 49	9 53	2 17	6 12	1 47	21 27	2 3	20 23	0 32	22 59	0 4	21 55	0 31	4 11	1 19	25 44	4 20	21 16	21 3	23 52	4 9	4 54
S 7	18 18	23 48	4 15	10 21	2 13	6 40	1 47	21 26	2 5	20 25	0 32	22 58	0 4	21 55	0 31	4 11	1 19	25 44	4 20	21 18	21 4	23 51	4 9	4 53
M 8	18 34	25 44	3 25	10 50	2 9	7 8	1 47	21 24	2 7	20 28	0 31	22 58	0 4	21 56	0 31	4 10	1 19	25 43	4 20	21 19	21 4	23 49	4 10	4 53
T 9	18 49	25 50	2 20	11 21	2 4	7 36	1 46	21 23	2 9	20 31	0 31	22 57	0 4	21 56	0 31	4 10	1 19	25 43	4 20	21 20	21 5	23 47	4 10	4 53
W10	19 4	24 7	1 7	11 52	1 59	8 3	1 46	21 21	2 11	20 33	0 31	22 57	0 3	21 56	0 31	4 9	1 19	25 43	4 20	21 21	21 6	23 46	4 10	4 52
T 11	19 19	20 49	0s11	12 24	1 54	8 31	1 46	21 20	2 14	20 36	0 31	22 57	0 3	21 56	0 31	4 9	1 19	25 43	4 20	21 21	21 6	23 44	4 11	4 52
F 12	19 33	16 18	1 26	12 56	1 48	8 58	1 45	21 19	2 16	20 38	0 31	22 56	0 3	21 56	0 31	4 9	1 20	25 42	4 20	21 21	21 7	23 43	4 11	4 52
S 13	19 47	10 58	2 35	13 29	1 41	9 25	1 44	21 18	2 18	20 41	0 31	22 56	0 3	21 57	0 31	4 8	1 20	25 42	4 20	21 21	21 7	23 41	4 11	4 51
S 14	20 1	5 13	3 33	14 2	1 35	9 52	1 44	21 17	2 20	20 43	0 31	22 55	0 3	21 57	0 31	4 8	1 20	25 42	4 20	21 21	21 8	23 40	4 12	4 51
M15	20 14	0s40	4 19	14 35	1 28	10 19	1 43	21 17	2 23	20 46	0 31	22 55	0 3	21 57	0 31	4 7	1 20	25 42	4 20	21 21	21 9	23 38	4 12	4 51
T 16	20 26	6 25	4 50	15 7	1 21	10 46	1 42	21 16	2 25	20 48	0 31	22 54	0 3	21 57	0 31	4 7	1 20	25 42	4 20	21 22	21 9	23 36	4 12	4 50
W17	20 39	11 46	5 5	15 39	1 14	11 12	1 41	21 16	2 28	20 51	0 31	22 54	0 3	21 58	0 31	4 7	1 20	25 41	4 20	21 23	21 10	23 35	4 12	4 50
T 18	20 51	16 33	5 4	16 11	1 7	11 38	1 40	21 16	2 30	20 53	0 31	22 53	0 3	21 58	0 31	4 6	1 20	25 41	4 20	21 25	21 10	23 33	4 13	4 50
F 19	21 2	20 31	4 49	16 43	1 0	12 4	1 39	21 16	2 32	20 56	0 30	22 53	0 3	21 58	0 31	4 6	1 20	25 41	4 20	21 26	21 11	23 31	4 13	4 49
S 20	21 14	23 30	4 20	17 14	0 53	12 29	1 38	21 16	2 35	20 58	0 30	22 52	0 3	21 58	0 31	4 6	1 20	25 40	4 20	21 28	21 11	23 30	4 13	4 49
S 21	21 25	25 21	3 39	17 44	0 46	12 55	1 37	21 17	2 37	21 1	0 30	22 52	0 3	21 59	0 32	4 5	1 20	25 40	4 20	21 30	21 12	23 28	4 13	4 49
M22	21 35	25 59	2 49	18 14	0 39	13 19	1 35	21 18	2 40	21 3	0 30	22 51	0 3	21 59	0 32	4 5	1 20	25 40	4 20	21 31	21 13	23 27	4 13	4 48
T 23	21 45	25 23	1 52	18 43	0 32	13 44	1 34	21 18	2 42	21 5	0 30	22 51	0 2	21 59	0 32	4 5	1 20	25 40	4 20	21 32	21 13	23 25	4 13	4 48
W24	21 54	23 38	0 50	19 12	0 24	14 8	1 32	21 19	2 45	21 8	0 30	22 50	0 2	22 0	0 32	4 4	1 20	25 39	4 20	21 32	21 14	23 23	4 13	4 48
T 25	22 4	20 51	0n14	19 39	0 17	14 32	1 31	21 21	2 47	21 10	0 30	22 50	0 2	22 0	0 32	4 4	1 20	25 39	4 20	21 32	21 14	23 22	4 13	4 48
F 26	22 12	17 14	1 17	20 6	0 10	14 56	1 29	21 22	2 50	21 12	0 30	22 49	0 2	22 0	0 32	4 4	1 20	25 39	4 20	21 32	21 15	23 20	4 13	4 47
S 27	22 21	12 54	2 18	20 32	0 3	15 19	1 28	21 24	2 52	21 15	0 30	22 49	0 2	22 1	0 32	4 4	1 20	25 39	4 20	21 32	21 15	23 18	4 13	4 47
S 28	22 28	8 2	3 13	20 57	0s 4	15 42	1 26	21 25	2 55	21 17	0 30	22 48	0 2	22 1	0 32	4 3	1 20	25 38	4 20	21 31	21 16	23 17	4 13	4 47
M29	22 36	2 47	4 0	21 21	0 11	16 4	1 25	21 28	2 58	21 19	0 30	22 47	0 2	22 1	0 32	4 3	1 20	25 38	4 20	21 31	21 17	23 15	4 13	4 46
T 30	22s43	2n42	4n38	21s44	0s17	16s26	1n23	21n30	3n 0	21s21	0n30	22s47	0n 2	22n 2	0n32	4n 3	1n20	25s38	4s20	21s31	21s17	23s13	4s13	4n46

Julian Day Number = 2189977.5, Delta T = 10m50s
Ecliptic obliquity = 23°32'00, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'09, Lahiri = 13°52'09 Julian Calendar 1 Nov. 1283 == Greg. Calendar 8 Nov. 1283

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ASTRODIENST EPHEMERIS for the year 1283
geocentric

DECEMBER 1283 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 6 58	16♐16'13	9♈ 4	7♐55	21♏ 6	7°R 1	8♐56	13♑57	23°R19	22♍56	24♑11	23°R13	24♑33	16♑40	7♓55	W 1
T 2	5 10 54	17°17'20	22°28	9°28	22°20	7♎ 0	9°10	14° 3	23♋17	22°57	24°12	23♑ 9	24°30	16°47	7°57	T 2
F 3	5 14 51	18°18'28	6♉22	11° 1	23°35	6°59	9°23	14°10	23°15	22°57	24°14	23° 4	24°27	16°53	7°58	F 3
S 4	5 18 48	19°19'36	20°42	12°35	24°50	6°57	9°37	14°16	23°13	22°58	24°15	22°58	24°23	17° 0	7°59	S 4
S 5	5 22 44	20°20'44	5♊27	14° 8	26° 5	6°54	9°50	14°23	23°11	22°58	24°17	22°53	24°20	17° 7	8° 0	S 5
M 6	5 26 41	21°21'53	20°27	15°42	27°20	6°51	10° 4	14°30	23° 9	22°59	24°19	22°49	24°17	17°13	8° 2	M 6
T 7	5 30 37	22°23'02	5♋35	17°16	28°35	6°46	10°17	14°37	23° 7	22°59	24°20	22°47	24°14	17°20	8° 3	T 7
W 8	5 34 34	23°24'12	20°41	18°51	29°50	6°41	10°31	14°43	23° 5	22°59	24°22	22°D46	24°11	17°27	8° 5	W 8
T 9	5 38 30	24°25'22	5♌36	20°25	1♐ 5	6°35	10°44	14°50	23° 3	23° 0	24°24	22°46	24° 8	17°33	8° 6	T 9
F 10	5 42 27	25°26'32	20°14	22° 0	2°20	6°28	10°58	14°57	23° 0	23° 0	24°26	22°47	24° 4	17°40	8° 8	F 10
S 11	5 46 23	26°27'42	4♍30	23°35	3°35	6°20	11°11	15° 4	22°58	23° 0	24°27	22°49	24° 1	17°46	8° 9	S 11
S 12	5 50 20	27°28'53	18°23	25°10	4°50	6°11	11°24	15°11	22°56	23° 1	24°29	22°50	23°58	17°53	8°11	S 12
M13	5 54 17	28°30'05	1♎53	26°46	6° 6	6° 2	11°38	15°18	22°54	23° 1	24°31	22°R50	23°55	18° 0	8°13	M13
T 14	5 58 13	29°31'17	15° 2	28°22	7°21	5°52	11°51	15°24	22°51	23° 1	24°32	22°49	23°52	18° 6	8°15	T 14
W15	6 2 10	0♑32'29	27°52	29°58	8°36	5°41	12° 4	15°31	22°49	23° 1	24°34	22°47	23°48	18°13	8°17	W15
T 16	6 6 6	1°33'41	10♏27	1♑35	9°51	5°29	12°18	15°38	22°47	23° 1	24°36	22°45	23°45	18°20	8°18	T 16
F 17	6 10 3	2°34'54	22°48	3°12	11° 6	5°16	12°31	15°45	22°44	23° 1	24°38	22°41	23°42	18°26	8°20	F 17
S 18	6 13 59	3°36'07	4♐58	4°49	12°21	5° 2	12°44	15°52	22°42	23°R 1	24°40	22°38	23°39	18°33	8°22	S 18
S 19	6 17 56	4°37'20	17° 0	6°27	13°36	4°48	12°57	15°59	22°39	23° 1	24°41	22°35	23°36	18°40	8°24	S 19
M20	6 21 52	5°38'33	28°55	8° 5	14°51	4°33	13°11	16° 6	22°37	23° 1	24°43	22°33	23°33	18°46	8°27	M20
T 21	6 25 49	6°39'45	10♑45	9°44	16° 6	4°17	13°24	16°13	22°34	23° 1	24°45	22°31	23°29	18°53	8°29	T 21
W22	6 29 46	7°40'57	22°33	11°23	17°22	4° 1	13°37	16°20	22°32	23° 1	24°47	22°D31	23°26	19° 0	8°31	W22
T 23	6 33 42	8°42'09	4♒20	13° 2	18°37	3°44	13°50	16°28	22°29	23° 1	24°49	22°31	23°23	19° 6	8°33	T 23
F 24	6 37 39	9°43'21	16° 8	14°42	19°52	3°26	14° 3	16°35	22°27	23° 1	24°51	22°32	23°20	19°13	8°35	F 24
S 25	6 41 35	10°44'32	28° 2	16°22	21° 7	3° 7	14°16	16°42	22°24	23° 0	24°52	22°33	23°17	19°20	8°38	S 25
S 26	6 45 32	11°45'42	10♓ 4	18° 2	22°22	2°48	14°29	16°49	22°22	23° 0	24°54	22°35	23°14	19°26	8°40	S 26
M27	6 49 28	12°46'52	22°18	19°43	23°37	2°28	14°41	16°56	22°19	23° 0	24°56	22°36	23°10	19°33	8°43	M27
T 28	6 53 25	13°48'01	4♈49	21°24	24°52	2° 8	14°54	17° 3	22°17	22°59	24°58	22°36	23° 7	19°39	8°45	T 28
W29	6 57 22	14°49'09	17°40	23° 6	26° 8	1°47	15° 7	17°10	22°14	22°59	25° 0	22°R36	23° 4	19°46	8°47	W29
T 30	7 1 18	15°50'16	0♉55	24°47	27°23	1°26	15°20	17°17	22°12	22°59	25° 2	22°36	23° 1	19°53	8°50	T 30
F 31	7 5 15	16♑51'23	14♉36	26♑29	28♐38	1♎ 4	15♐32	17♑24	22♋ 9	22♍58	25♑ 4	22♑35	22♑58	19♑59	8♓53	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s49	8n14	5n 3	22s 7	0s24	16s48	1n21	21n32	3n 3	21s23	0n29	22s46	0n 2	22n 2	0n32	4n 3	1n21	25s38	4s20	21s32	21s18	23s11	4s13	4n46
T 2	22 55	13 36	5 12	22 28	0 31	17 9	1 19	21 35	3 5	21 26	0 29	22 46	0 2	22 2	0 32	4 3	1 21	25 37	4 20	21 32	21 18	23 10	4 13	4 45
F 3	23 1	18 28	5 4	22 48	0 37	17 30	1 17	21 38	3 8	21 28	0 29	22 45	0 2	22 3	0 32	4 2	1 21	25 37	4 20	21 33	21 19	23 8	4 13	4 45
S 4	23 6	22 26	4 37	23 7	0 43	17 50	1 15	21 41	3 11	21 30	0 29	22 44	0 2	22 3	0 32	4 2	1 21	25 37	4 20	21 34	21 19	23 6	4 12	4 45
S 5	23 11	25 4	3 51	23 24	0 49	18 10	1 13	21 44	3 13	21 32	0 29	22 44	0 2	22 3	0 32	4 2	1 21	25 36	4 20	21 35	21 20	23 5	4 12	4 44
M 6	23 15	25 59	2 48	23 41	0 55	18 29	1 11	21 48	3 16	21 34	0 29	22 43	0 1	22 4	0 32	4 2	1 21	25 36	4 20	21 36	21 21	23 3	4 12	4 44
T 7	23 19	24 58	1 33	23 56	1 1	18 48	1 9	21 51	3 19	21 36	0 29	22 42	0 1	22 4	0 32	4 2	1 21	25 36	4 20	21 36	21 21	23 1	4 12	4 44
W 8	23 22	22 7	0 11	24 10	1 7	19 6	1 7	21 55	3 21	21 38	0 29	22 42	0 1	22 5	0 32	4 2	1 21	25 36	4 20	21 36	21 22	22 59	4 11	4 43
T 9	23 25	17 49	1s10	24 23	1 12	19 24	1 5	21 59	3 24	21 40	0 29	22 41	0 1	22 5	0 32	4 2	1 21	25 35	4 20	21 36	21 22	22 58	4 11	4 43
F 10	23 27	12 30	2 25	24 35	1 18	19 41	1 3	22 4	3 27	21 42	0 29	22 40	0 1	22 5	0 32	4 2	1 21	25 35	4 20	21 36	21 23	22 56	4 11	4 43
S 11	23 29	6 38	3 30	24 45	1 23	19 58	1 0	22 8	3 29	21 44	0 29	22 40	0 1	22 6	0 32	4 2	1 21	25 35	4 20	21 36	21 23	22 54	4 11	4 42
S 12	23 31	0 37	4 20	24 54	1 27	20 14	0 58	22 13	3 32	21 46	0 29	22 39	0 1	22 6	0 32	4 2	1 21	25 34	4 20	21 35	21 24	22 52	4 10	4 42
M13	23 31	5s15	4 54	25 2	1 32	20 30	0 56	22 18	3 34	21 48	0 29	22 38	0 1	22 7	0 32	4 2	1 21	25 34	4 20	21 35	21 24	22 51	4 10	4 42
T 14	23 32	10 44	5 12	25 8	1 36	20 45	0 53	22 23	3 37	21 50	0 29	22 37	0 1	22 7	0 32	4 2	1 21	25 34	4 20	21 36	21 25	22 49	4 9	4 42
W15	23 32	15 38	5 14	25 13	1 41	20 59	0 51	22 28	3 39	21 51	0 28	22 37	0 1	22 7	0 32	4 2	1 21	25 33	4 20	21 36	21 26	22 47	4 9	4 41
T 16	23 31	19 45	5 0	25 16	1 44	21 13	0 49	22 33	3 42	21 53	0 28	22 36	0 1	22 8	0 32	4 2	1 21	25 33	4 20	21 36	21 26	22 45	4 9	4 41
F 17	23 30	22 56	4 33	25 18	1 48	21 26	0 46	22 39	3 44	21 55	0 28	22 35	0 1	22 8	0 32	4 2	1 21	25 33	4 20	21 37	21 27	22 44	4 8	4 41
S 18	23 29	25 2	3 53	25 18	1 51	21 38	0 44	22 45	3 47	21 57	0 28	22 34	0 1	22 9	0 32	4 2	1 21	25 33	4 20	21 38	21 27	22 42	4 8	4 40
S 19	23 27	25 57	3 4	25 17	1 54	21 50	0 41	22 51	3 49	21 59	0 28	22 34	0 1	22 9	0 32	4 2	1 21	25 32	4 20	21 38	21 28	22 40	4 7	4 40
M20	23 25	25 39	2 7	25 14	1 57	22 2	0 39	22 57	3 52	22 0	0 28	22 33	0 0	22 9	0 32	4 2	1 22	25 32	4 20	21 38	21 28	22 38	4 7	4 40
T 21	23 22	24 10	1 5	25 10	2 0	22 12	0 36	23 3	3 54	22 2	0 28	22 32	0 0	22 10	0 32	4 2	1 22	25 32	4 20	21 39	21 29	22 36	4 6	4 39
W22	23 19	21 38	0n 0	25 4	2 2	22 22	0 34	23 9	3 56	22 4	0 28	22 31	0 0	22 10	0 32	4 2	1 22	25 31	4 20	21 39	21 29	22 35	4 6	4 39
T 23	23 15	18 12	1 5	24 56	2 3	22 31	0 31	23 15	3 58	22 5	0 28	22 31	0 0	22 11	0 32	4 2	1 22	25 31	4 20	21 39	21 30	22 33	4 5	4 39
F 24	23 11	14 2	2 7	24 47	2 5	22 40	0 29	23 22	4 0	22 7	0 28	22 30	0 0	22 11	0 32	4 2	1 22	25 31	4 21	21 38	21 30	22 31	4 4	4 39
S 25	23 6	9 19	3 5	24 36	2 5	22 48	0 26	23 28	4 3	22 8	0 28	22 29	0 0	22 12	0 32	4 2	1 22	25 30	4 21	21 38	21 31	22 29	4 4	4 38
S 26	23 1	4 12	3 55	24 24	2 6	22 55	0 24	23 34	4 5	22 10	0 28	22 28	0 0	22 12	0 32	4 2	1 22	25 30	4 21	21 38	21 32	22 27	4 3	4 38
M27	22 55	1n 8	4 35	24 9	2 6	23 2	0 21	23 41	4 6	22 11	0 28	22 27	0s 0	22 12	0 32	4 3	1 22	25 30	4 21	21 38	21 32	22 26	4 3	4 38
T 28	22 49	6 33	5 3	23 53	2 6	23 7	0 19	23 48	4 8	22 13	0 28	22 27	0 0	22 13	0 32	4 3	1 22	25 30	4 21	21 38	21 33	22 24	4 2	4 38
W29	22 42	11 50	5 17	23 36	2 5	23 13	0 16	23 54	4 10	22 14	0 28	22 26	0 0	22 13	0 32	4 3	1 22	25 29	4 21	21 38	21 33	22 22	4 1	4 37
T 30	22 35	16 44	5 15	23 16	2 3	23 17	0 13	24 1	4 12	22 16	0 28	22 25	0 0	22 14	0 32	4 3	1 22	25 29	4 21	21 38	21 34	22 20	4 0	4 37
F 31	22s28	20n58	4n55	22s55	2s 1	23s21	0n11	24n 7	4n13	22s17	0n28	22s24	0s 0	22n14	0n32	4n 3	1n22	25s29	4s21	21s38	21s34	22s18	4s 0	4n37

Julian Day Number = 2190007.5, Delta T = 10m49s
Ecliptic obliquity = 23°32'00, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'13, Lahiri = 13°52'13 Julian Calendar 1 Dec. 1283 == Greg. Calendar 8 Dec. 1283

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1284
geocentric

JANUARY 1284 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 9 11	17♑52'29	28♉46	28♑11	29♐53	0°R42	15♐45	17♑31	22°R 6	22°R58	25♑ 6	22°R35	22♑54	20♑ 6	8♓55	S 1
S 2	7 13 8	18°53'34	13♊20	29°53	1♑ 8	0♌19	15°57	17°39	22♋ 4	22♍57	25° 7	22♑34	22°51	20°13	8°58	S 2
M 3	7 17 4	19°54'38	28°17	1♒34	2°23	29♋56	16°10	17°46	22° 1	22°57	25° 9	22°34	22°48	20°19	9° 1	M 3
T 4	7 21 1	20°55'41	13♋27	3°15	3°38	29°33	16°22	17°53	21°58	22°56	25°11	22°34	22°45	20°26	9° 3	T 4
W 5	7 24 57	21°56'43	28°42	4°56	4°54	29°10	16°35	18° 0	21°56	22°56	25°13	22°D34	22°42	20°33	9° 6	W 5
T 6	7 28 54	22°57'45	13♌52	6°36	6° 9	28°46	16°47	18° 7	21°53	22°55	25°15	22°R34	22°39	20°39	9° 9	T 6
F 7	7 32 51	23°58'45	28°48	8°16	7°24	28°22	16°59	18°14	21°51	22°54	25°17	22°34	22°35	20°46	9°12	F 7
S 8	7 36 47	24°59'45	13♍23	9°54	8°39	27°58	17°11	18°21	21°48	22°54	25°19	22°34	22°32	20°53	9°15	S 8
S 9	7 40 44	26° 0'45	27°31	11°30	9°54	27°34	17°23	18°28	21°45	22°53	25°21	22°33	22°29	20°59	9°18	S 9
M10	7 44 40	27° 1'43	11♎12	13° 4	11° 9	27°10	17°36	18°35	21°43	22°52	25°23	22°33	22°26	21° 6	9°21	M10
T 11	7 48 37	28° 2'41	24°27	14°36	12°24	26°46	17°48	18°42	21°40	22°52	25°25	22°D33	22°23	21°13	9°24	T 11
W12	7 52 33	29° 3'38	7♏17	16° 5	13°40	26°22	17°59	18°49	21°38	22°51	25°26	22°33	22°20	21°19	9°27	W12
T 13	7 56 30	0♒ 4'35	19°48	17°31	14°55	25°58	18°11	18°56	21°35	22°50	25°28	22°33	22°16	21°26	9°30	T 13
F 14	8 0 26	1° 5'31	2♐ 1	18°52	16°10	25°34	18°23	19° 3	21°32	22°49	25°30	22°34	22°13	21°32	9°33	F 14
S 15	8 4 23	2° 6'26	14° 3	20° 9	17°25	25°11	18°35	19°10	21°30	22°48	25°32	22°35	22°10	21°39	9°36	S 15
S 16	8 8 20	3° 7'20	25°56	21°20	18°40	24°48	18°46	19°17	21°27	22°47	25°34	22°36	22° 7	21°46	9°39	S 16
M17	8 12 16	4° 8'13	7♑45	22°25	19°55	24°25	18°58	19°24	21°25	22°46	25°36	22°37	22° 4	21°52	9°42	M17
T 18	8 16 13	5° 9'05	19°31	23°23	21°10	24° 2	19° 9	19°31	21°22	22°45	25°38	22°R37	22° 0	21°59	9°45	T 18
W19	8 20 9	6° 9'56	1♒19	24°13	22°25	23°40	19°21	19°38	21°20	22°44	25°40	22°37	21°57	22° 6	9°49	W19
T 20	8 24 6	7°10'45	13° 9	24°55	23°40	23°18	19°32	19°45	21°17	22°43	25°42	22°36	21°54	22°12	9°52	T 20
F 21	8 28 2	8°11'33	25° 5	25°27	24°56	22°57	19°43	19°52	21°15	22°42	25°43	22°35	21°51	22°19	9°55	F 21
S 22	8 31 59	9°12'20	7♓ 7	25°49	26°11	22°36	19°54	19°59	21°12	22°41	25°45	22°32	21°48	22°26	9°59	S 22
S 23	8 35 55	10°13'05	19°18	26° 1	27°26	22°16	20° 5	20° 6	21°10	22°40	25°47	22°29	21°45	22°32	10° 2	S 23
M24	8 39 52	11°13'48	1♈41	26°R 2	28°41	21°56	20°16	20°13	21° 7	22°39	25°49	22°26	21°41	22°39	10° 5	M24
T 25	8 43 49	12°14'30	14°17	25°52	29°56	21°37	20°27	20°19	21° 5	22°38	25°51	22°24	21°38	22°46	10° 9	T 25
W26	8 47 45	13°15'11	27° 8	25°32	1♒11	21°18	20°38	20°26	21° 3	22°37	25°53	22°22	21°35	22°52	10°12	W26
T 27	8 51 42	14°15'49	10♉19	25° 2	2°26	21° 0	20°49	20°33	21° 0	22°35	25°55	22°D21	21°32	22°59	10°16	T 27
F 28	8 55 38	15°16'26	23°50	24°22	3°41	20°43	20°59	20°40	20°58	22°34	25°56	22°21	21°29	23° 5	10°19	F 28
S 29	8 59 35	16°17'01	7♊44	23°34	4°56	20°27	21°10	20°46	20°56	22°33	25°58	22°22	21°26	23°12	10°23	S 29
S 30	9 3 31	17°17'34	22° 1	22°39	6°11	20°11	21°20	20°53	20°53	22°32	26° 0	22°24	21°22	23°19	10°26	S 30
M31	9 7 28	18♒18'06	6♋39	21♒38	7♒26	19♋56	21♐30	21♑ 0	20♋51	22♍30	26♑ 2	22♑25	21♑19	23♑25	10♓30	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s20	24n 8	4n17	22s33	1s59	23s24	0n 8	24n14	4n15	22s19	0n27	22s23	0s 0	22n15	0n32	4n 4	1n22	25s28	4s21	21s38	21s35	22s16	3s59	4n37
S 2	22 12	25 49	3 21	22 8	1 56	23 26	0 6	24 20	4 16	22 20	0 27	22 22	0 0	22 15	0 32	4 4	1 22	25 28	4 21	21 38	21 35	22 14	3 58	4 36
M 3	22 3	25 42	2 11	21 42	1 52	23 28	0 3	24 26	4 18	22 21	0 27	22 21	0 1	22 15	0 32	4 4	1 22	25 28	4 21	21 38	21 36	22 13	3 57	4 36
T 4	21 54	23 41	0 51	21 15	1 48	23 28	0 1	24 32	4 19	22 23	0 27	22 21	0 1	22 16	0 32	4 4	1 22	25 28	4 21	21 38	21 36	22 11	3 57	4 36
W 5	21 44	19 57	0s34	20 46	1 43	23 29	0s 2	24 39	4 20	22 24	0 27	22 20	0 1	22 16	0 32	4 5	1 22	25 27	4 21	21 38	21 37	22 9	3 56	4 36
T 6	21 34	14 53	1 56	20 15	1 37	23 28	0 5	24 45	4 21	22 25	0 27	22 19	0 1	22 17	0 32	4 5	1 22	25 27	4 21	21 38	21 37	22 7	3 55	4 35
F 7	21 24	8 59	3 8	19 43	1 30	23 27	0 7	24 51	4 22	22 27	0 27	22 18	0 1	22 17	0 32	4 5	1 22	25 27	4 21	21 38	21 38	22 5	3 54	4 35
S 8	21 13	2 46	4 7	19 10	1 23	23 25	0 10	24 56	4 23	22 28	0 27	22 17	0 1	22 18	0 32	4 6	1 23	25 26	4 21	21 38	21 38	22 3	3 53	4 35
S 9	21 2	3s25	4 48	18 36	1 15	23 22	0 12	25 2	4 24	22 29	0 27	22 16	0 1	22 18	0 32	4 6	1 23	25 26	4 22	21 38	21 39	22 1	3 52	4 35
M10	20 50	9 14	5 12	18 1	1 6	23 18	0 15	25 7	4 24	22 30	0 27	22 15	0 1	22 18	0 32	4 6	1 23	25 26	4 22	21 38	21 39	21 59	3 52	4 34
T 11	20 38	14 26	5 18	17 25	0 56	23 14	0 17	25 13	4 25	22 31	0 27	22 14	0 1	22 19	0 32	4 7	1 23	25 26	4 22	21 38	21 40	21 57	3 51	4 34
W12	20 26	18 50	5 8	16 48	0 46	23 9	0 19	25 18	4 25	22 32	0 27	22 14	0 1	22 19	0 32	4 7	1 23	25 25	4 22	21 38	21 41	21 56	3 50	4 34
T 13	20 13	22 17	4 43	16 11	0 34	23 3	0 22	25 23	4 25	22 34	0 27	22 13	0 1	22 20	0 32	4 7	1 23	25 25	4 22	21 38	21 41	21 54	3 49	4 34
F 14	20 0	24 40	4 6	15 35	0 22	22 57	0 24	25 27	4 26	22 35	0 27	22 12	0 1	22 20	0 32	4 8	1 23	25 25	4 22	21 38	21 42	21 52	3 48	4 34
S 15	19 46	25 52	3 18	14 58	0 9	22 50	0 27	25 32	4 26	22 36	0 27	22 11	0 1	22 21	0 32	4 8	1 23	25 24	4 22	21 38	21 42	21 50	3 47	4 33
S 16	19 32	25 51	2 23	14 22	0n 5	22 42	0 29	25 36	4 26	22 37	0 27	22 10	0 1	22 21	0 32	4 8	1 23	25 24	4 22	21 38	21 43	21 48	3 46	4 33
M17	19 18	24 40	1 22	13 47	0 20	22 34	0 31	25 40	4 25	22 38	0 27	22 9	0 2	22 21	0 32	4 9	1 23	25 24	4 22	21 38	21 43	21 46	3 45	4 33
T 18	19 3	22 23	0 17	13 14	0 35	22 25	0 33	25 44	4 25	22 39	0 27	22 8	0 2	22 22	0 32	4 9	1 23	25 24	4 22	21 38	21 44	21 44	3 44	4 33
W19	18 48	19 10	0n48	12 42	0 51	22 15	0 36	25 48	4 25	22 40	0 27	22 7	0 2	22 22	0 32	4 10	1 23	25 23	4 22	21 38	21 44	21 42	3 43	4 33
T 20	18 33	15 9	1 51	12 13	1 7	22 4	0 38	25 51	4 24	22 41	0 27	22 6	0 2	22 23	0 32	4 10	1 23	25 23	4 23	21 38	21 45	21 40	3 42	4 32
F 21	18 17	10 32	2 50	11 46	1 24	21 53	0 40	25 54	4 24	22 42	0 27	22 5	0 2	22 23	0 32	4 11	1 23	25 23	4 23	21 38	21 45	21 38	3 41	4 32
S 22	18 1	5 30	3 42	11 23	1 41	21 41	0 42	25 57	4 23	22 42	0 27	22 4	0 2	22 23	0 32	4 11	1 23	25 23	4 23	21 38	21 46	21 36	3 40	4 32
S 23	17 45	0 12	4 25	11 3	1 58	21 29	0 44	26 0	4 22	22 43	0 26	22 3	0 2	22 24	0 32	4 12	1 23	25 22	4 23	21 39	21 46	21 34	3 38	4 32
M24	17 28	5n11	4 55	10 47	2 14	21 16	0 46	26 2	4 22	22 44	0 26	22 2	0 2	22 24	0 32	4 12	1 23	25 22	4 23	21 39	21 47	21 32	3 37	4 32
T 25	17 12	10 27	5 12	10 35	2 30	21 2	0 48	26 5	4 21	22 45	0 26	22 1	0 2	22 24	0 32	4 13	1 23	25 22	4 23	21 40	21 47	21 30	3 36	4 31
W26	16 54	15 23	5 15	10 28	2 45	20 48	0 50	26 7	4 20	22 46	0 26	22 1	0 2	22 25	0 32	4 13	1 23	25 22	4 23	21 40	21 48	21 28	3 35	4 31
T 27	16 37	19 43	5 0	10 25	2 59	20 33	0 52	26 9	4 19	22 47	0 26	22 0	0 2	22 25	0 32	4 14	1 23	25 21	4 23	21 40	21 48	21 26	3 34	4 31
F 28	16 19	23 9	4 29	10 26	3 12	20 17	0 54	26 10	4 18	22 47	0 26	21 59	0 2	22 26	0 32	4 14	1 23	25 21	4 23	21 40	21 49	21 24	3 33	4 31
S 29	16 1	25 20	3 42	10 31	3 23	20 1	0 56	26 11	4 16	22 48	0 26	21 58	0 2	22 26	0 32	4 15	1 23	25 21	4 24	21 40	21 49	21 22	3 32	4 31
S 30	15 43	25 57	2 40	10 41	3 32	19 44	0 58	26 13	4 15	22 49	0 26	21 57	0 3	22 26	0 32	4 15	1 23	25 21	4 24	21 40	21 50	21 20	3 30	4 31
M31	15s24	24n48	1n26	10s54	3n39	19s27	1s 0	26n14	4n14	22s49	0n26	21s56	0s 3	22n27	0n32	4n16	1n24	25s20	4s24	21s40	21s50	21s18	3s29	4n31

Julian Day Number = 2190038.5, Delta T = 10m49s
Ecliptic obliquity = 23°31'59, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'17, Lahiri = 13°52'18 Julian Calendar 1 Jan. 1284 == Greg. Calendar 8 Jan. 1284

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ASTRODIENST EPHEMERIS for the year 1284
geocentric

FEBRUARY 1284 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 11 24	19♒18'36	21♋33	20°R33	8♒41	19°R42	21♐40	21♑ 6	20°R49	22°R29	26♑ 4	22°R26	21♑16	23♑32	10♓33	T 1
W 2	9 15 21	20°19'03	6♌37	19♒26	9°56	19♋28	21°51	21°13	20♋47	22♍28	26° 5	22♑25	21°13	23°39	10°37	W 2
T 3	9 19 18	21°19'29	21°44	18°19	11°11	19°15	22° 1	21°19	20°45	22°26	26° 7	22°23	21°10	23°45	10°40	T 3
F 4	9 23 14	22°19'54	6♍43	17°13	12°26	19° 3	22°10	21°26	20°42	22°25	26° 9	22°20	21° 6	23°52	10°44	F 4
S 5	9 27 11	23°20'16	21°25	16° 9	13°41	18°52	22°20	21°32	20°40	22°24	26°11	22°15	21° 3	23°59	10°47	S 5
S 6	9 31 7	24°20'37	5♎44	15°10	14°56	18°41	22°30	21°38	20°38	22°22	26°12	22°10	21° 0	24° 5	10°51	S 6
M 7	9 35 4	25°20'57	19°37	14°16	16°11	18°32	22°39	21°45	20°36	22°21	26°14	22° 6	20°57	24°12	10°55	M 7
T 8	9 39 0	26°21'15	3♏ 0	13°28	17°26	18°23	22°49	21°51	20°34	22°19	26°16	22° 2	20°54	24°19	10°58	T 8
W 9	9 42 57	27°21'32	15°57	12°47	18°41	18°15	22°58	21°57	20°32	22°18	26°17	22° 0	20°51	24°25	11° 2	W 9
T 10	9 46 53	28°21'47	28°30	12°12	19°56	18° 7	23° 7	22° 4	20°30	22°16	26°19	21°D59	20°47	24°32	11° 6	T 10
F 11	9 50 50	29°22'00	10♐44	11°45	21°10	18° 1	23°16	22°10	20°28	22°15	26°21	22° 0	20°44	24°39	11° 9	F 11
S 12	9 54 47	0♓22'12	22°44	11°24	22°25	17°55	23°25	22°16	20°27	22°13	26°22	22° 1	20°41	24°45	11°13	S 12
S 13	9 58 43	1°22'23	4♑34	11°11	23°40	17°50	23°34	22°22	20°25	22°12	26°24	22° 3	20°38	24°52	11°17	S 13
M14	10 2 40	2°22'32	16°21	11°D 5	24°55	17°46	23°43	22°28	20°23	22°10	26°26	22°R 4	20°35	24°58	11°21	M14
T 15	10 6 36	3°22'39	28° 7	11° 5	26°10	17°43	23°51	22°34	20°21	22° 9	26°27	22° 4	20°32	25° 5	11°24	T 15
W16	10 10 33	4°22'44	9♒57	11°11	27°25	17°40	24° 0	22°40	20°20	22° 7	26°29	22° 2	20°28	25°12	11°28	W16
T 17	10 14 29	5°22'48	21°53	11°24	28°40	17°38	24° 8	22°46	20°18	22° 6	26°30	21°58	20°25	25°18	11°32	T 17
F 18	10 18 26	6°22'50	3♓59	11°42	29°55	17°37	24°16	22°52	20°16	22° 4	26°32	21°52	20°22	25°25	11°35	F 18
S 19	10 22 22	7°22'49	16°14	12° 5	1♈ 9	17°D37	24°24	22°57	20°15	22° 3	26°34	21°45	20°19	25°32	11°39	S 19
S 20	10 26 19	8°22'47	28°41	12°33	2°24	17°37	24°32	23° 3	20°13	22° 1	26°35	21°36	20°16	25°38	11°43	S 20
M21	10 30 16	9°22'42	11♈20	13° 6	3°39	17°38	24°40	23° 9	20°12	21°59	26°37	21°27	20°12	25°45	11°47	M21
T 22	10 34 12	10°22'36	24°10	13°43	4°54	17°40	24°48	23°14	20°10	21°58	26°38	21°19	20° 9	25°52	11°50	T 22
W23	10 38 9	11°22'27	7♉14	14°24	6° 8	17°42	24°55	23°20	20° 9	21°56	26°39	21°12	20° 6	25°58	11°54	W23
T 24	10 42 5	12°22'16	20°31	15° 9	7°23	17°46	25° 3	23°25	20° 8	21°55	26°41	21° 8	20° 3	26° 5	11°58	T 24
F 25	10 46 2	13°22'03	4♊ 2	15°58	8°38	17°50	25°10	23°31	20° 7	21°53	26°42	21° 5	20° 0	26°12	12° 2	F 25
S 26	10 49 58	14°21'48	17°49	16°50	9°53	17°54	25°17	23°36	20° 5	21°51	26°44	21°D 5	19°57	26°18	12° 5	S 26
S 27	10 53 55	15°21'30	1♋51	17°44	11° 7	18° 0	25°24	23°41	20° 4	21°50	26°45	21° 6	19°53	26°25	12° 9	S 27
M28	10 57 51	16°21'10	16° 8	18°42	12°22	18° 6	25°31	23°47	20° 3	21°48	26°46	21°R 6	19°50	26°31	12°13	M28
T 29	11 1 48	17♓20'48	0♌40	19♒43	13♓37	18♋12	25♐37	23♑52	20♋ 2	21♍46	26♑48	21♑ 6	19♑47	26♑38	12♓17	T 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15s 5	21n53	0n 5	11s10	3n43	19s 9	1s 1	26n14	4n12	22s50	0n26	21s55	0s 3	22n27	0n32	4n16	1n24	25s20	4s24	21s40	21s51	21s16	3s28	4n30
W 2	14 46	17 27	1s17	11 29	3 46	18 50	1 3	26 15	4 11	22 51	0 26	21 54	0 3	22 27	0 32	4 17	1 24	25 20	4 24	21 40	21 51	21 14	3 27	4 30
T 3	14 27	11 53	2 34	11 49	3 46	18 31	1 5	26 15	4 9	22 51	0 26	21 53	0 3	22 28	0 32	4 17	1 24	25 20	4 24	21 40	21 52	21 12	3 26	4 30
F 4	14 7	5 41	3 39	12 11	3 43	18 12	1 6	26 16	4 8	22 52	0 26	21 52	0 3	22 28	0 32	4 18	1 24	25 20	4 24	21 41	21 52	21 10	3 24	4 30
S 5	13 48	0s42	4 29	12 34	3 39	17 52	1 8	26 16	4 6	22 53	0 26	21 51	0 3	22 28	0 32	4 19	1 24	25 19	4 24	21 41	21 53	21 8	3 23	4 30
S 6	13 28	6 53	5 0	12 58	3 33	17 31	1 9	26 15	4 4	22 53	0 26	21 50	0 3	22 28	0 32	4 19	1 24	25 19	4 25	21 42	21 53	21 6	3 22	4 30
M 7	13 7	12 31	5 12	13 21	3 25	17 10	1 10	26 15	4 3	22 54	0 26	21 49	0 3	22 29	0 32	4 20	1 24	25 19	4 25	21 43	21 54	21 4	3 21	4 30
T 8	12 47	17 22	5 7	13 43	3 15	16 49	1 12	26 15	4 1	22 54	0 26	21 48	0 3	22 29	0 32	4 20	1 24	25 19	4 25	21 43	21 54	21 2	3 19	4 29
W 9	12 26	21 14	4 46	14 5	3 5	16 27	1 13	26 14	3 59	22 55	0 26	21 47	0 3	22 29	0 32	4 21	1 24	25 19	4 25	21 44	21 55	21 0	3 18	4 29
T 10	12 5	24 0	4 12	14 26	2 53	16 4	1 14	26 13	3 57	22 55	0 26	21 46	0 3	22 30	0 32	4 22	1 24	25 18	4 25	21 44	21 55	20 58	3 17	4 29
F 11	11 44	25 33	3 27	14 45	2 41	15 41	1 15	26 12	3 56	22 56	0 26	21 46	0 3	22 30	0 32	4 22	1 24	25 18	4 25	21 44	21 56	20 56	3 16	4 29
S 12	11 23	25 53	2 33	15 3	2 28	15 18	1 17	26 11	3 54	22 56	0 26	21 45	0 4	22 30	0 32	4 23	1 24	25 18	4 25	21 44	21 56	20 54	3 14	4 29
S 13	11 2	25 1	1 34	15 20	2 15	14 54	1 18	26 10	3 52	22 57	0 26	21 44	0 4	22 30	0 32	4 23	1 24	25 18	4 26	21 43	21 57	20 52	3 13	4 29
M14	10 40	23 3	0 31	15 35	2 1	14 30	1 19	26 9	3 50	22 57	0 26	21 43	0 4	22 31	0 32	4 24	1 24	25 18	4 26	21 43	21 57	20 50	3 12	4 29
T 15	10 18	20 5	0n33	15 48	1 48	14 5	1 20	26 8	3 48	22 58	0 26	21 42	0 4	22 31	0 32	4 25	1 24	25 17	4 26	21 43	21 58	20 48	3 10	4 29
W16	9 57	16 17	1 36	15 59	1 34	13 40	1 20	26 6	3 46	22 58	0 26	21 41	0 4	22 31	0 32	4 25	1 24	25 17	4 26	21 43	21 58	20 46	3 9	4 29
T 17	9 34	11 50	2 35	16 8	1 20	13 15	1 21	26 4	3 44	22 59	0 26	21 40	0 4	22 31	0 32	4 26	1 24	25 17	4 26	21 44	21 58	20 44	3 8	4 29
F 18	9 12	6 52	3 27	16 16	1 7	12 50	1 22	26 3	3 42	22 59	0 26	21 39	0 4	22 32	0 32	4 27	1 24	25 17	4 26	21 45	21 59	20 42	3 6	4 29
S 19	8 50	1 36	4 11	16 22	0 54	12 24	1 23	26 1	3 41	22 59	0 25	21 38	0 4	22 32	0 32	4 27	1 24	25 17	4 26	21 46	21 59	20 39	3 5	4 28
S 20	8 28	3n48	4 43	16 27	0 41	11 57	1 23	25 59	3 39	23 0	0 25	21 37	0 4	22 32	0 32	4 28	1 24	25 17	4 27	21 48	22 0	20 37	3 4	4 28
M21	8 5	9 8	5 3	16 29	0 29	11 31	1 24	25 57	3 37	23 0	0 25	21 37	0 4	22 32	0 32	4 29	1 24	25 17	4 27	21 49	22 0	20 35	3 2	4 28
T 22	7 42	14 10	5 7	16 30	0 17	11 4	1 24	25 54	3 35	23 0	0 25	21 36	0 4	22 32	0 32	4 29	1 24	25 16	4 27	21 50	22 1	20 33	3 1	4 28
W23	7 20	18 38	4 56	16 30	0 5	10 36	1 25	25 52	3 33	23 1	0 25	21 35	0 4	22 33	0 32	4 30	1 24	25 16	4 27	21 51	22 1	20 31	3 0	4 28
T 24	6 57	22 15	4 28	16 27	0s 6	10 9	1 25	25 50	3 31	23 1	0 25	21 34	0 4	22 33	0 32	4 31	1 24	25 16	4 27	21 52	22 2	20 29	2 58	4 28
F 25	6 34	24 44	3 46	16 23	0 17	9 41	1 25	25 47	3 29	23 1	0 25	21 33	0 5	22 33	0 32	4 31	1 24	25 16	4 27	21 52	22 2	20 27	2 57	4 28
S 26	6 11	25 47	2 49	16 18	0 28	9 13	1 26	25 45	3 27	23 2	0 25	21 32	0 5	22 33	0 32	4 32	1 24	25 16	4 28	21 52	22 3	20 25	2 55	4 28
S 27	5 48	25 13	1 42	16 11	0 38	8 45	1 26	25 42	3 25	23 2	0 25	21 31	0 5	22 33	0 32	4 33	1 24	25 16	4 28	21 52	22 3	20 23	2 54	4 28
M28	5 24	23 0	0 27	16 2	0 48	8 16	1 26	25 39	3 23	23 2	0 25	21 31	0 5	22 33	0 32	4 33	1 24	25 16	4 28	21 52	22 4	20 21	2 53	4 28
T 29	5s 1	19n15	0s51	15s52	0s57	7s47	1s26	25n37	3n21	23s 2	0n25	21s30	0s 5	22n34	0n32	4n34	1n24	25s16	4s28	21s52	22s 4	20s18	2s51	4n28

Julian Day Number = 2190069.5, Delta T = 10m49s
Ecliptic obliquity = 23°31'59, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'21, Lahiri = 13°52'22 Julian Calendar 1 Feb. 1284 == Greg. Calendar 8 Feb. 1284

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ASTRODIENST EPHEMERIS for the year 1284
geocentric

MARCH 1284 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 5 45	18♓20'23	15♌21	20♒46	14♓51	18♋19	25♐44	23♑57	20°R 1	21°R45	26♑49	21°R 4	19♑44	26♑45	12♓20	W 1
T 2	11 9 41	19°19'56	0♍ 7	21°51	16° 6	18°27	25°50	24° 2	20♋ 0	21♍43	26°50	20♑59	19°41	26°51	12°24	T 2
F 3	11 13 38	20°19'27	14°51	22°59	17°21	18°36	25°56	24° 7	19°59	21°41	26°52	20°52	19°38	26°58	12°28	F 3
S 4	11 17 34	21°18'56	29°24	24° 9	18°35	18°45	26° 2	24°12	19°58	21°40	26°53	20°43	19°34	27° 5	12°31	S 4
S 5	11 21 31	22°18'22	13♎39	25°22	19°50	18°54	26° 8	24°17	19°57	21°38	26°54	20°33	19°31	27°11	12°35	S 5
M 6	11 25 27	23°17'47	27°32	26°36	21° 4	19° 5	26°14	24°21	19°56	21°36	26°55	20°23	19°28	27°18	12°39	M 6
T 7	11 29 24	24°17'10	10♏59	27°52	22°19	19°15	26°19	24°26	19°56	21°35	26°57	20°14	19°25	27°25	12°43	T 7
W 8	11 33 20	25°16'31	24° 0	29°10	23°33	19°27	26°25	24°31	19°55	21°33	26°58	20° 8	19°22	27°31	12°46	W 8
T 9	11 37 17	26°15'50	6♐37	0♓30	24°48	19°38	26°30	24°35	19°54	21°31	26°59	20° 4	19°18	27°38	12°50	T 9
F 10	11 41 13	27°15'08	18°54	1°51	26° 3	19°51	26°35	24°40	19°54	21°30	27° 0	20° 2	19°15	27°45	12°54	F 10
S 11	11 45 10	28°14'23	0♑55	3°15	27°17	20° 4	26°40	24°44	19°53	21°28	27° 1	20°D 1	19°12	27°51	12°57	S 11
S 12	11 49 7	29°13'37	12°47	4°39	28°32	20°17	26°45	24°49	19°53	21°26	27° 2	20° 2	19° 9	27°58	13° 1	S 12
M13	11 53 3	0♈12'49	24°34	6° 6	29°46	20°31	26°49	24°53	19°52	21°25	27° 3	20°R 2	19° 6	28° 5	13° 4	M13
T 14	11 57 0	1°11'59	6♒22	7°34	1♈ 0	20°45	26°54	24°57	19°52	21°23	27° 4	20° 0	19° 3	28°11	13° 8	T 14
W15	12 0 56	2°11'07	18°15	9° 4	2°15	21° 0	26°58	25° 1	19°52	21°22	27° 5	19°57	18°59	28°18	13°12	W15
T 16	12 4 53	3°10'14	0♓18	10°35	3°29	21°15	27° 2	25° 5	19°52	21°20	27° 6	19°51	18°56	28°24	13°15	T 16
F 17	12 8 49	4° 9'18	12°33	12° 8	4°44	21°31	27° 6	25° 9	19°51	21°18	27° 7	19°42	18°53	28°31	13°19	F 17
S 18	12 12 46	5° 8'20	25° 3	13°42	5°58	21°47	27°10	25°13	19°51	21°17	27° 8	19°31	18°50	28°38	13°22	S 18
S 19	12 16 42	6° 7'21	7♈48	15°18	7°13	22° 4	27°13	25°17	19°51	21°15	27° 9	19°18	18°47	28°44	13°26	S 19
M20	12 20 39	7° 6'19	20°47	16°55	8°27	22°21	27°16	25°20	19°D51	21°14	27°10	19° 5	18°43	28°51	13°29	M20
T 21	12 24 36	8° 5'15	3♉59	18°34	9°41	22°38	27°20	25°24	19°51	21°12	27°11	18°53	18°40	28°58	13°33	T 21
W22	12 28 32	9° 4'09	17°24	20°14	10°56	22°56	27°23	25°28	19°51	21°10	27°12	18°43	18°37	29° 4	13°36	W22
T 23	12 32 29	10° 3'01	0♊58	21°56	12°10	23°15	27°25	25°31	19°51	21° 9	27°12	18°36	18°34	29°11	13°40	T 23
F 24	12 36 25	11° 1'51	14°42	23°40	13°24	23°33	27°28	25°34	19°51	21° 7	27°13	18°31	18°31	29°18	13°43	F 24
S 25	12 40 22	12° 0'38	28°34	25°24	14°38	23°52	27°31	25°38	19°52	21° 6	27°14	18°30	18°28	29°24	13°47	S 25
S 26	12 44 18	12°59'23	12♋33	27°11	15°53	24°12	27°33	25°41	19°52	21° 4	27°15	18°29	18°24	29°31	13°50	S 26
M27	12 48 15	13°58'06	26°40	28°59	17° 7	24°32	27°35	25°44	19°52	21° 3	27°15	18°29	18°21	29°38	13°53	M27
T 28	12 52 11	14°56'46	10♌53	0♈48	18°21	24°52	27°37	25°47	19°53	21° 1	27°16	18°28	18°18	29°44	13°57	T 28
W29	12 56 8	15°55'24	25°12	2°39	19°35	25°12	27°39	25°50	19°53	21° 0	27°17	18°25	18°15	29°51	14° 0	W29
T 30	13 0 5	16°54'00	9♍32	4°32	20°50	25°33	27°40	25°53	19°54	20°58	27°17	18°19	18°12	29°58	14° 3	T 30
F 31	13 4 1	17♈52'34	23♍50	6♈26	22♈ 4	25♋54	27♐41	25♑56	19♋54	20♍57	27♑18	18♑10	18♑ 9	0♒ 4	14♓ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4s38	14n17	2s 6	15s40	1s 6	7s18	1s26	25n34	3n19	23s 3	0n25	21s29	0s 5	22n34	0n32	4n35	1n24	25s16	4s28	21s53	22s 5	20s16	2s50	4n28
T 2	4 14	8 28	3 13	15 27	1 14	6 49	1 26	25 31	3 17	23 3	0 25	21 28	0 5	22 34	0 32	4 35	1 24	25 16	4 28	21 53	22 5	20 14	2 48	4 28
F 3	3 51	2 12	4 7	15 12	1 22	6 20	1 26	25 28	3 15	23 3	0 25	21 27	0 5	22 34	0 32	4 36	1 24	25 15	4 29	21 54	22 5	20 12	2 47	4 28
S 4	3 27	4s 6	4 44	14 56	1 29	5 51	1 26	25 24	3 13	23 3	0 25	21 27	0 5	22 34	0 32	4 37	1 24	25 15	4 29	21 56	22 6	20 10	2 46	4 28
S 5	3 4	10 2	5 2	14 38	1 36	5 21	1 25	25 21	3 12	23 4	0 25	21 26	0 5	22 34	0 32	4 37	1 24	25 15	4 29	21 57	22 6	20 8	2 44	4 28
M 6	2 40	15 19	5 2	14 19	1 43	4 51	1 25	25 18	3 10	23 4	0 25	21 25	0 5	22 34	0 32	4 38	1 24	25 15	4 29	21 59	22 7	20 6	2 43	4 28
T 7	2 17	19 41	4 45	13 58	1 49	4 21	1 25	25 15	3 8	23 4	0 25	21 24	0 5	22 34	0 32	4 39	1 24	25 15	4 29	22 0	22 7	20 3	2 41	4 28
W 8	1 53	22 56	4 13	13 36	1 54	3 51	1 24	25 11	3 6	23 4	0 25	21 24	0 6	22 35	0 32	4 39	1 24	25 15	4 30	22 1	22 8	20 1	2 40	4 28
T 9	1 29	24 57	3 30	13 12	2 0	3 21	1 24	25 7	3 4	23 4	0 25	21 23	0 6	22 35	0 32	4 40	1 24	25 15	4 30	22 2	22 8	19 59	2 39	4 28
F 10	1 6	25 42	2 38	12 47	2 4	2 51	1 23	25 4	3 2	23 5	0 25	21 22	0 6	22 35	0 32	4 41	1 24	25 15	4 30	22 2	22 9	19 57	2 37	4 28
S 11	0 42	25 12	1 40	12 21	2 8	2 21	1 22	25 0	3 0	23 5	0 25	21 21	0 6	22 35	0 32	4 41	1 24	25 15	4 30	22 2	22 9	19 55	2 36	4 28
S 12	0 19	23 33	0 39	11 53	2 12	1 50	1 22	24 56	2 59	23 5	0 25	21 21	0 6	22 35	0 32	4 42	1 24	25 15	4 30	22 2	22 10	19 53	2 35	4 28
M13	0n 5	20 54	0n24	11 24	2 15	1 20	1 21	24 52	2 57	23 5	0 25	21 20	0 6	22 35	0 32	4 42	1 24	25 15	4 31	22 2	22 10	19 50	2 33	4 28
T 14	0 29	17 22	1 26	10 54	2 18	0 49	1 20	24 48	2 55	23 5	0 25	21 19	0 6	22 35	0 32	4 43	1 24	25 15	4 31	22 2	22 10	19 48	2 32	4 28
W15	0 52	13 8	2 24	10 22	2 21	0 19	1 19	24 44	2 53	23 5	0 25	21 19	0 6	22 35	0 32	4 44	1 24	25 15	4 31	22 3	22 11	19 46	2 30	4 28
T 16	1 16	8 21	3 17	9 49	2 22	0n12	1 18	24 40	2 52	23 5	0 25	21 18	0 6	22 35	0 32	4 44	1 24	25 15	4 31	22 4	22 11	19 44	2 29	4 28
F 17	1 39	3 10	4 1	9 15	2 24	0 42	1 17	24 36	2 50	23 5	0 25	21 17	0 6	22 35	0 32	4 45	1 24	25 15	4 31	22 5	22 12	19 42	2 28	4 28
S 18	2 3	2n13	4 34	8 39	2 25	1 13	1 16	24 32	2 48	23 6	0 25	21 17	0 6	22 35	0 32	4 46	1 24	25 15	4 31	22 6	22 12	19 39	2 26	4 28
S 19	2 26	7 37	4 55	8 2	2 25	1 43	1 15	24 27	2 46	23 6	0 25	21 16	0 6	22 35	0 32	4 46	1 24	25 15	4 32	22 8	22 13	19 37	2 25	4 28
M20	2 50	12 47	5 1	7 24	2 25	2 14	1 14	24 23	2 45	23 6	0 24	21 16	0 7	22 35	0 32	4 47	1 24	25 15	4 32	22 10	22 13	19 35	2 23	4 28
T 21	3 13	17 27	4 51	6 45	2 24	2 44	1 13	24 18	2 43	23 6	0 24	21 15	0 7	22 35	0 32	4 48	1 24	25 15	4 32	22 12	22 14	19 33	2 22	4 28
W22	3 37	21 19	4 25	6 4	2 23	3 15	1 11	24 14	2 41	23 6	0 24	21 14	0 7	22 35	0 32	4 48	1 24	25 15	4 32	22 13	22 14	19 31	2 21	4 28
T 23	4 0	24 4	3 43	5 23	2 21	3 45	1 10	24 9	2 40	23 6	0 24	21 14	0 7	22 35	0 32	4 49	1 24	25 15	4 32	22 14	22 14	19 28	2 19	4 28
F 24	4 23	25 26	2 49	4 40	2 19	4 15	1 9	24 4	2 38	23 6	0 24	21 13	0 7	22 35	0 32	4 49	1 24	25 15	4 33	22 15	22 15	19 26	2 18	4 28
S 25	4 46	25 15	1 43	3 55	2 17	4 46	1 7	23 59	2 37	23 6	0 24	21 13	0 7	22 35	0 32	4 50	1 24	25 15	4 33	22 15	22 15	19 24	2 17	4 28
S 26	5 9	23 28	0 31	3 10	2 14	5 16	1 6	23 54	2 35	23 6	0 24	21 12	0 7	22 35	0 32	4 51	1 24	25 15	4 33	22 15	22 16	19 22	2 15	4 28
M27	5 32	20 12	0s43	2 24	2 10	5 46	1 4	23 49	2 33	23 6	0 24	21 12	0 7	22 35	0 32	4 51	1 24	25 15	4 33	22 15	22 16	19 19	2 14	4 28
T 28	5 55	15 43	1 56	1 36	2 6	6 15	1 3	23 44	2 32	23 7	0 24	21 11	0 7	22 34	0 32	4 52	1 24	25 15	4 34	22 15	22 17	19 17	2 13	4 29
W29	6 17	10 20	3 1	0 47	2 1	6 45	1 1	23 38	2 30	23 7	0 24	21 11	0 7	22 34	0 31	4 52	1 24	25 15	4 34	22 16	22 17	19 15	2 11	4 29
T 30	6 40	4 24	3 55	0n 2	1 56	7 15	0 59	23 33	2 29	23 7	0 24	21 11	0 7	22 34	0 31	4 53	1 24	25 15	4 34	22 17	22 17	19 13	2 10	4 29
F 31	7n 2	1s44	4s34	0n53	1s50	7n44	0s58	23n27	2n27	23s 7	0n24	21s10	0s 8	22n34	0n31	4n53	1n24	25s16	4s34	22s18	22s18	19s10	2s 9	4n29

Julian Day Number = 2190098.5, Delta T = 10m49s
Ecliptic obliquity = 23°32'00, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'25, Lahiri = 13°52'26 Julian Calendar 1 March 1284 == Greg. Calendar 8 March 1284

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ASTRODIENST EPHEMERIS for the year 1284
geocentric

APRIL 1284 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 7 58	18♈51'05	8♎ 0	8♈22	23♈18	26♋16	27♐43	25♑58	19♋55	20°R55	27♑18	17°R59	18♑ 5	0♒11	14♓10	S 1
S 2	13 11 54	19°49'35	21°57	10°19	24°32	26°38	27°44	26° 1	19°55	20♍54	27°19	17♑47	18° 2	0°17	14°13	S 2
M 3	13 15 51	20°48'02	5♏37	12°18	25°46	27° 0	27°44	26° 3	19°56	20°53	27°19	17°35	17°59	0°24	14°16	M 3
T 4	13 19 47	21°46'28	18°55	14°19	27° 0	27°22	27°45	26° 6	19°57	20°51	27°20	17°24	17°56	0°31	14°19	T 4
W 5	13 23 44	22°44'52	1♐52	16°20	28°14	27°45	27°45	26° 8	19°58	20°50	27°20	17°15	17°53	0°37	14°22	W 5
T 6	13 27 40	23°43'15	14°28	18°24	29°28	28° 8	27°46	26°10	19°59	20°49	27°21	17° 9	17°49	0°44	14°25	T 6
F 7	13 31 37	24°41'35	26°45	20°28	0♉42	28°31	27°R46	26°12	20° 0	20°47	27°21	17° 6	17°46	0°51	14°28	F 7
S 8	13 35 34	25°39'55	8♑48	22°34	1°56	28°55	27°46	26°14	20° 1	20°46	27°22	17° 4	17°43	0°57	14°31	S 8
S 9	13 39 30	26°38'12	20°41	24°41	3°10	29°19	27°45	26°16	20° 2	20°45	27°22	17° 4	17°40	1° 4	14°34	S 9
M10	13 43 27	27°36'28	2♒29	26°48	4°24	29°43	27°45	26°18	20° 3	20°43	27°22	17° 4	17°37	1°11	14°37	M10
T 11	13 47 23	28°34'43	14°19	28°57	5°38	0♌ 7	27°44	26°20	20° 4	20°42	27°22	17° 3	17°34	1°17	14°40	T 11
W12	13 51 20	29°32'55	26°15	1♉ 6	6°52	0°32	27°43	26°22	20° 5	20°41	27°23	17° 1	17°30	1°24	14°43	W12
T 13	13 55 16	0♉31'07	8♓22	3°15	8° 6	0°57	27°42	26°23	20° 6	20°40	27°23	16°55	17°27	1°31	14°46	T 13
F 14	13 59 13	1°29'16	20°45	5°25	9°20	1°22	27°41	26°25	20° 7	20°39	27°23	16°48	17°24	1°37	14°49	F 14
S 15	14 3 9	2°27'25	3♈25	7°34	10°34	1°47	27°39	26°26	20° 9	20°37	27°23	16°38	17°21	1°44	14°52	S 15
S 16	14 7 6	3°25'31	16°25	9°43	11°48	2°13	27°38	26°27	20°10	20°36	27°23	16°26	17°18	1°51	14°54	S 16
M17	14 11 3	4°23'36	29°43	11°51	13° 2	2°39	27°36	26°28	20°12	20°35	27°24	16°14	17°14	1°57	14°57	M17
T 18	14 14 59	5°21'40	13♉19	13°58	14°16	3° 5	27°34	26°30	20°13	20°34	27°24	16° 3	17°11	2° 4	15° 0	T 18
W19	14 18 56	6°19'41	27° 8	16° 4	15°30	3°31	27°31	26°31	20°15	20°33	27°24	15°54	17° 8	2°10	15° 2	W19
T 20	14 22 52	7°17'41	11♊ 7	18° 8	16°43	3°58	27°29	26°31	20°16	20°32	27°24	15°47	17° 5	2°17	15° 5	T 20
F 21	14 26 49	8°15'40	25°12	20°10	17°57	4°24	27°26	26°32	20°18	20°31	27°R24	15°43	17° 2	2°24	15° 8	F 21
S 22	14 30 45	9°13'36	9♋21	22°10	19°11	4°51	27°24	26°33	20°20	20°30	27°24	15°D42	16°59	2°30	15°10	S 22
S 23	14 34 42	10°11'31	23°31	24° 7	20°25	5°19	27°21	26°33	20°21	20°29	27°24	15°42	16°55	2°37	15°13	S 23
M24	14 38 38	11° 9'24	7♌39	26° 3	21°39	5°46	27°18	26°34	20°23	20°28	27°24	15°R42	16°52	2°44	15°15	M24
T 25	14 42 35	12° 7'15	21°46	27°55	22°52	6°14	27°14	26°34	20°25	20°27	27°23	15°42	16°49	2°50	15°17	T 25
W26	14 46 32	13° 5'04	5♍50	29°44	24° 6	6°41	27°11	26°35	20°27	20°26	27°23	15°40	16°46	2°57	15°20	W26
T 27	14 50 28	14° 2'51	19°49	1♊31	25°20	7° 9	27° 7	26°35	20°29	20°26	27°23	15°35	16°43	3° 4	15°22	T 27
F 28	14 54 25	15° 0'36	3♎42	3°14	26°33	7°38	27° 4	26°35	20°31	20°25	27°23	15°28	16°40	3°10	15°24	F 28
S 29	14 58 21	15°58'20	17°26	4°54	27°47	8° 6	27° 0	26°R35	20°33	20°24	27°23	15°20	16°36	3°17	15°27	S 29
S 30	15 2 18	16♉56'03	0♏57	6♊31	29♉ 1	8♌34	26♐55	26♑35	20♋35	20♍23	27♑22	15♑10	16♑33	3♒24	15♓29	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n25	7s43	4s56	1n44	1s44	8n13	0s56	23n22	2n26	23s 7	0n24	21s10	0s 8	22n34	0n31	4n54	1n24	25s16	4s34	22s19	22s18	19s 8	2s 7	4n29
S 2	7 47	13 12	5 0	2 37	1 37	8 42	0 54	23 16	2 24	23 7	0 24	21 9	0 8	22 34	0 31	4 55	1 24	25 16	4 35	22 21	22 19	19 6	2 6	4 29
M 3	8 9	17 56	4 46	3 30	1 30	9 11	0 52	23 10	2 23	23 7	0 24	21 9	0 8	22 34	0 31	4 55	1 24	25 16	4 35	22 22	22 19	19 4	2 5	4 29
T 4	8 31	21 38	4 17	4 24	1 22	9 40	0 50	23 4	2 21	23 7	0 24	21 9	0 8	22 34	0 31	4 56	1 24	25 16	4 35	22 24	22 20	19 1	2 3	4 29
W 5	8 53	24 7	3 35	5 19	1 14	10 8	0 48	22 58	2 20	23 7	0 24	21 8	0 8	22 34	0 31	4 56	1 24	25 16	4 35	22 25	22 20	18 59	2 2	4 29
T 6	9 15	25 20	2 44	6 14	1 5	10 36	0 46	22 52	2 18	23 7	0 24	21 8	0 8	22 33	0 31	4 57	1 24	25 16	4 35	22 26	22 20	18 57	2 1	4 29
F 7	9 36	25 15	1 46	7 9	0 56	11 4	0 44	22 46	2 17	23 7	0 24	21 8	0 8	22 33	0 31	4 57	1 24	25 16	4 36	22 26	22 21	18 55	2 0	4 29
S 8	9 58	23 58	0 44	8 5	0 47	11 32	0 42	22 40	2 15	23 7	0 24	21 7	0 8	22 33	0 31	4 58	1 24	25 16	4 36	22 26	22 21	18 52	1 58	4 30
S 9	10 19	21 37	0n19	9 1	0 37	11 59	0 40	22 33	2 14	23 7	0 24	21 7	0 8	22 33	0 31	4 58	1 24	25 17	4 36	22 26	22 22	18 50	1 57	4 30
M10	10 40	18 22	1 21	9 57	0 27	12 26	0 38	22 27	2 13	23 7	0 23	21 7	0 8	22 33	0 31	4 59	1 24	25 17	4 36	22 26	22 22	18 48	1 56	4 30
T 11	11 1	14 23	2 19	10 53	0 17	12 53	0 36	22 20	2 11	23 7	0 23	21 6	0 9	22 33	0 31	4 59	1 24	25 17	4 36	22 26	22 23	18 45	1 55	4 30
W12	11 21	9 48	3 12	11 48	0 7	13 20	0 34	22 14	2 10	23 7	0 23	21 6	0 9	22 32	0 31	5 0	1 24	25 17	4 37	22 27	22 23	18 43	1 53	4 30
T 13	11 42	4 48	3 57	12 43	0n 4	13 46	0 32	22 7	2 8	23 7	0 23	21 6	0 9	22 32	0 31	5 0	1 24	25 17	4 37	22 27	22 23	18 41	1 52	4 30
F 14	12 2	0n29	4 32	13 37	0 15	14 12	0 29	22 0	2 7	23 7	0 23	21 6	0 9	22 32	0 31	5 0	1 24	25 17	4 37	22 28	22 24	18 38	1 51	4 30
S 15	12 22	5 51	4 54	14 29	0 25	14 37	0 27	21 53	2 6	23 8	0 23	21 6	0 9	22 32	0 31	5 1	1 24	25 18	4 37	22 30	22 24	18 36	1 50	4 30
S 16	12 42	11 7	5 2	15 21	0 36	15 3	0 25	21 46	2 4	23 8	0 23	21 6	0 9	22 31	0 31	5 1	1 24	25 18	4 37	22 31	22 25	18 34	1 49	4 30
M17	13 2	15 59	4 54	16 11	0 46	15 27	0 22	21 39	2 3	23 8	0 23	21 5	0 9	22 31	0 31	5 2	1 24	25 18	4 38	22 32	22 25	18 32	1 47	4 31
T 18	13 22	20 10	4 29	17 0	0 57	15 52	0 20	21 31	2 2	23 8	0 23	21 5	0 9	22 31	0 31	5 2	1 24	25 18	4 38	22 34	22 25	18 29	1 46	4 31
W19	13 41	23 17	3 48	17 46	1 7	16 16	0 18	21 24	2 0	23 8	0 23	21 5	0 9	22 31	0 31	5 3	1 24	25 18	4 38	22 35	22 26	18 27	1 45	4 31
T 20	14 0	25 3	2 53	18 31	1 16	16 39	0 15	21 16	1 59	23 8	0 23	21 5	0 9	22 30	0 31	5 3	1 24	25 18	4 38	22 36	22 26	18 25	1 44	4 31
F 21	14 19	25 13	1 47	19 13	1 25	17 2	0 13	21 8	1 58	23 8	0 23	21 5	0 10	22 30	0 31	5 3	1 24	25 19	4 39	22 36	22 27	18 22	1 43	4 31
S 22	14 38	23 46	0 34	19 53	1 34	17 25	0 11	21 1	1 57	23 8	0 23	21 5	0 10	22 30	0 31	5 4	1 24	25 19	4 39	22 36	22 27	18 20	1 42	4 31
S 23	14 56	20 48	0s42	20 31	1 42	17 47	0 8	20 53	1 55	23 8	0 23	21 5	0 10	22 30	0 31	5 4	1 24	25 19	4 39	22 36	22 27	18 18	1 41	4 31
M24	15 14	16 35	1 54	21 6	1 49	18 9	0 6	20 45	1 54	23 8	0 23	21 5	0 10	22 29	0 31	5 4	1 24	25 19	4 39	22 36	22 28	18 15	1 40	4 32
T 25	15 32	11 28	3 0	21 39	1 56	18 31	0 3	20 37	1 53	23 8	0 23	21 5	0 10	22 29	0 31	5 5	1 24	25 20	4 39	22 36	22 28	18 13	1 39	4 32
W26	15 50	5 46	3 54	22 9	2 2	18 51	0 1	20 28	1 52	23 8	0 22	21 5	0 10	22 29	0 31	5 5	1 24	25 20	4 40	22 37	22 29	18 11	1 37	4 32
T 27	16 7	0s10	4 35	22 37	2 7	19 12	0n 2	20 20	1 50	23 8	0 22	21 5	0 10	22 28	0 31	5 5	1 24	25 20	4 40	22 37	22 29	18 8	1 36	4 32
F 28	16 24	6 2	4 58	23 2	2 12	19 32	0 4	20 12	1 49	23 8	0 22	21 5	0 10	22 28	0 31	5 6	1 24	25 20	4 40	22 38	22 29	18 6	1 35	4 32
S 29	16 41	11 33	5 4	23 25	2 16	19 51	0 6	20 3	1 48	23 8	0 22	21 5	0 10	22 28	0 31	5 6	1 24	25 21	4 40	22 39	22 30	18 4	1 34	4 32
S 30	16n58	16s25	4s53	23n45	2n19	20n10	0n 9	19n54	1n47	23s 8	0n22	21s 5	0s10	22n28	0n31	5n 6	1n24	25s21	4s40	22s40	22s30	18s 1	1s33	4n33

Julian Day Number = 2190129.5, Delta T = 10m49s
Ecliptic obliquity = 23°31'59, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'30, Lahiri = 13°52'30 Julian Calendar 1 Apr. 1284 == Greg. Calendar 8 Apr. 1284

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ASTRODIENST EPHEMERIS for the year 1284
geocentric

MAY 1284 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 6 14	17♉53'43	14♏15	8♊ 4	0♊14	9♌ 3	26°R51	26°R35	20♋37	20°R22	27°R22	15°R 0	16♑30	3♒30	15♓31	M 1
T 2	15 10 11	18°51'23	27°16	9°35	1°28	9°32	26♐47	26♑34	20°39	20♍22	27♑22	14♑52	16°27	3°37	15°33	T 2
W 3	15 14 7	19°49'01	10♐ 0	11° 2	2°41	10° 1	26°42	26°34	20°41	20°21	27°22	14°45	16°24	3°44	15°35	W 3
T 4	15 18 4	20°46'39	22°28	12°25	3°55	10°30	26°37	26°33	20°43	20°20	27°21	14°40	16°20	3°50	15°37	T 4
F 5	15 22 1	21°44'15	4♑40	13°45	5° 9	10°59	26°32	26°33	20°45	20°20	27°21	14°38	16°17	3°57	15°39	F 5
S 6	15 25 57	22°41'50	16°41	15° 1	6°22	11°29	26°27	26°32	20°48	20°19	27°20	14°D37	16°14	4° 4	15°41	S 6
S 7	15 29 54	23°39'24	28°34	16°14	7°36	11°59	26°22	26°31	20°50	20°19	27°20	14°38	16°11	4°10	15°43	S 7
M 8	15 33 50	24°36'57	10♒23	17°23	8°49	12°29	26°17	26°31	20°52	20°18	27°20	14°39	16° 8	4°17	15°45	M 8
T 9	15 37 47	25°34'29	22°13	18°28	10° 3	12°59	26°11	26°30	20°55	20°18	27°19	14°R40	16° 5	4°24	15°46	T 9
W10	15 41 43	26°32'00	4♓10	19°30	11°16	13°29	26° 6	26°29	20°57	20°17	27°19	14°40	16° 1	4°30	15°48	W10
T 11	15 45 40	27°29'30	16°19	20°28	12°30	13°59	26° 0	26°27	21° 0	20°17	27°18	14°38	15°58	4°37	15°50	T 11
F 12	15 49 36	28°26'59	28°44	21°21	13°43	14°29	25°54	26°26	21° 2	20°16	27°18	14°34	15°55	4°43	15°51	F 12
S 13	15 53 33	29°24'28	11♈30	22°11	14°57	15° 0	25°48	26°25	21° 5	20°16	27°17	14°29	15°52	4°50	15°53	S 13
S 14	15 57 30	0♊21'56	24°37	22°57	16°10	15°31	25°42	26°23	21° 7	20°16	27°16	14°22	15°49	4°57	15°55	S 14
M15	16 1 26	1°19'23	8♉ 8	23°39	17°23	16° 2	25°36	26°22	21°10	20°15	27°16	14°15	15°46	5° 3	15°56	M15
T 16	16 5 23	2°16'49	22° 0	24°16	18°37	16°33	25°29	26°20	21°13	20°15	27°15	14° 8	15°42	5°10	15°57	T 16
W17	16 9 19	3°14'14	6♊10	24°50	19°50	17° 4	25°23	26°19	21°16	20°15	27°14	14° 3	15°39	5°17	15°59	W17
T 18	16 13 16	4°11'39	20°33	25°19	21° 4	17°35	25°16	26°17	21°18	20°15	27°14	13°59	15°36	5°23	16° 0	T 18
F 19	16 17 12	5° 9'02	5♋ 4	25°43	22°17	18° 7	25° 9	26°15	21°21	20°14	27°13	13°57	15°33	5°30	16° 1	F 19
S 20	16 21 9	6° 6'25	19°37	26° 3	23°30	18°38	25° 3	26°13	21°24	20°14	27°12	13°D57	15°30	5°37	16° 3	S 20
S 21	16 25 5	7° 3'46	4♌ 6	26°18	24°44	19°10	24°56	26°11	21°27	20°14	27°12	13°58	15°26	5°43	16° 4	S 21
M22	16 29 2	8° 1'06	18°29	26°29	25°57	19°42	24°49	26° 9	21°30	20°14	27°11	13°59	15°23	5°50	16° 5	M22
T 23	16 32 59	8°58'26	2♍41	26°35	27°10	20°14	24°42	26° 7	21°33	20°14	27°10	14°R 0	15°20	5°57	16° 6	T 23
W24	16 36 55	9°55'44	16°41	26°R37	28°23	20°46	24°35	26° 4	21°35	20°D14	27° 9	14° 0	15°17	6° 3	16° 7	W24
T 25	16 40 52	10°53'01	0♎29	26°34	29°37	21°18	24°27	26° 2	21°38	20°14	27° 8	13°59	15°14	6°10	16° 8	T 25
F 26	16 44 48	11°50'17	14° 4	26°26	0♋50	21°50	24°20	25°59	21°41	20°14	27° 7	13°56	15°11	6°17	16° 9	F 26
S 27	16 48 45	12°47'32	27°26	26°15	2° 3	22°23	24°13	25°57	21°44	20°14	27° 6	13°52	15° 7	6°23	16°10	S 27
S 28	16 52 41	13°44'47	10♏34	25°59	3°16	22°55	24° 5	25°54	21°48	20°14	27° 6	13°47	15° 4	6°30	16°11	S 28
M29	16 56 38	14°42'01	23°28	25°40	4°29	23°28	23°58	25°52	21°51	20°14	27° 5	13°43	15° 1	6°37	16°11	M29
T 30	17 0 34	15°39'14	6♐ 8	25°17	5°43	24° 1	23°50	25°49	21°54	20°15	27° 4	13°38	14°58	6°43	16°12	T 30
W31	17 4 31	16♊36'27	18♐36	24♊51	6♋56	24♌33	23♐43	25♑46	21♋57	20♍15	27♑ 3	13♑35	14♑55	6♒50	16♓13	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17n14	20s24	4s26	24n 3	2n21	20n28	0n11	19n46	1n46	23s 8	0n22	21s 6	0s11	22n27	0n31	5n 6	1n23	25s21	4s41	22s41	22s31	17s59	1s32	4n33
T 2	17 30	23 17	3 46	24 19	2 22	20 46	0 14	19 37	1 45	23 8	0 22	21 6	0 11	22 27	0 31	5 7	1 23	25 21	4 41	22 42	22 31	17 56	1 31	4 33
W 3	17 46	24 55	2 55	24 32	2 22	21 3	0 16	19 28	1 43	23 8	0 22	21 6	0 11	22 26	0 31	5 7	1 23	25 22	4 41	22 43	22 31	17 54	1 31	4 33
T 4	18 1	25 15	1 56	24 43	2 22	21 19	0 19	19 19	1 42	23 8	0 22	21 6	0 11	22 26	0 31	5 7	1 23	25 22	4 41	22 43	22 32	17 52	1 30	4 33
F 5	18 16	24 20	0 53	24 52	2 21	21 35	0 21	19 10	1 41	23 8	0 22	21 6	0 11	22 26	0 31	5 7	1 23	25 22	4 41	22 44	22 32	17 49	1 29	4 33
S 6	18 31	22 18	0n11	24 59	2 19	21 51	0 24	19 0	1 40	23 7	0 22	21 7	0 11	22 25	0 31	5 8	1 23	25 22	4 42	22 44	22 32	17 47	1 28	4 34
S 7	18 46	19 19	1 15	25 4	2 16	22 5	0 26	18 51	1 39	23 7	0 22	21 7	0 11	22 25	0 31	5 8	1 23	25 23	4 42	22 44	22 33	17 45	1 27	4 34
M 8	19 0	15 33	2 14	25 7	2 12	22 20	0 28	18 41	1 38	23 7	0 21	21 7	0 11	22 25	0 31	5 8	1 23	25 23	4 42	22 43	22 33	17 42	1 26	4 34
T 9	19 14	11 11	3 9	25 9	2 7	22 33	0 31	18 32	1 37	23 7	0 21	21 7	0 11	22 24	0 31	5 8	1 23	25 23	4 42	22 43	22 34	17 40	1 25	4 34
W10	19 27	6 22	3 55	25 8	2 2	22 46	0 33	18 22	1 35	23 7	0 21	21 8	0 11	22 24	0 31	5 8	1 23	25 24	4 42	22 43	22 34	17 37	1 24	4 34
T 11	19 41	1 14	4 32	25 6	1 55	22 58	0 36	18 12	1 34	23 7	0 21	21 8	0 12	22 23	0 31	5 8	1 23	25 24	4 43	22 44	22 34	17 35	1 24	4 35
F 12	19 54	4n 2	4 57	25 3	1 48	23 10	0 38	18 2	1 33	23 7	0 21	21 8	0 12	22 23	0 31	5 8	1 23	25 24	4 43	22 44	22 35	17 33	1 23	4 35
S 13	20 6	9 17	5 8	24 58	1 40	23 21	0 40	17 52	1 32	23 7	0 21	21 9	0 12	22 23	0 31	5 9	1 23	25 24	4 43	22 45	22 35	17 30	1 22	4 35
S 14	20 18	14 17	5 4	24 51	1 31	23 31	0 43	17 42	1 31	23 7	0 21	21 9	0 12	22 22	0 31	5 9	1 23	25 25	4 43	22 45	22 36	17 28	1 21	4 35
M15	20 30	18 43	4 43	24 44	1 21	23 41	0 45	17 32	1 30	23 7	0 21	21 9	0 12	22 22	0 31	5 9	1 23	25 25	4 43	22 46	22 36	17 25	1 20	4 35
T 16	20 42	22 16	4 5	24 35	1 10	23 50	0 47	17 21	1 29	23 7	0 21	21 10	0 12	22 21	0 31	5 9	1 23	25 25	4 44	22 47	22 36	17 23	1 20	4 35
W17	20 53	24 33	3 11	24 25	0 59	23 58	0 49	17 11	1 28	23 7	0 21	21 10	0 12	22 21	0 31	5 9	1 23	25 26	4 44	22 47	22 37	17 21	1 19	4 36
T 18	21 4	25 15	2 4	24 14	0 47	24 5	0 52	17 0	1 27	23 6	0 20	21 11	0 12	22 21	0 31	5 9	1 23	25 26	4 44	22 48	22 37	17 18	1 18	4 36
F 19	21 15	24 14	0 48	24 2	0 34	24 12	0 54	16 49	1 26	23 6	0 20	21 11	0 12	22 20	0 31	5 9	1 23	25 26	4 44	22 48	22 37	17 16	1 18	4 36
S 20	21 25	21 35	0s31	23 49	0 20	24 18	0 56	16 39	1 25	23 6	0 20	21 12	0 12	22 20	0 31	5 9	1 23	25 27	4 44	22 48	22 38	17 13	1 17	4 36
S 21	21 34	17 34	1 48	23 35	0 6	24 24	0 58	16 28	1 24	23 6	0 20	21 12	0 13	22 19	0 31	5 9	1 23	25 27	4 45	22 48	22 38	17 11	1 16	4 36
M22	21 44	12 32	2 57	23 20	0s 9	24 28	1 0	16 17	1 23	23 6	0 20	21 13	0 13	22 19	0 31	5 9	1 23	25 27	4 45	22 48	22 38	17 8	1 16	4 37
T 23	21 53	6 54	3 55	23 5	0 25	24 32	1 2	16 5	1 22	23 6	0 20	21 13	0 13	22 18	0 31	5 9	1 23	25 28	4 45	22 48	22 39	17 6	1 15	4 37
W24	22 2	1 1	4 38	22 49	0 41	24 35	1 4	15 54	1 21	23 6	0 20	21 14	0 13	22 18	0 31	5 9	1 23	25 28	4 45	22 48	22 39	17 4	1 15	4 37
T 25	22 10	4s50	5 4	22 32	0 57	24 38	1 6	15 43	1 20	23 5	0 20	21 14	0 13	22 17	0 30	5 9	1 23	25 28	4 45	22 48	22 40	17 1	1 14	4 37
F 26	22 18	10 22	5 12	22 15	1 14	24 40	1 8	15 31	1 19	23 5	0 19	21 15	0 13	22 17	0 30	5 9	1 23	25 29	4 46	22 48	22 40	16 59	1 13	4 37
S 27	22 25	15 19	5 4	21 58	1 30	24 41	1 10	15 20	1 18	23 5	0 19	21 15	0 13	22 16	0 30	5 9	1 23	25 29	4 46	22 48	22 40	16 56	1 13	4 38
S 28	22 32	19 28	4 39	21 41	1 47	24 41	1 12	15 8	1 17	23 5	0 19	21 16	0 13	22 16	0 30	5 9	1 23	25 30	4 46	22 49	22 41	16 54	1 12	4 38
M29	22 39	22 36	4 1	21 24	2 4	24 41	1 13	14 57	1 16	23 5	0 19	21 17	0 13	22 15	0 30	5 9	1 22	25 30	4 46	22 49	22 41	16 51	1 12	4 38
T 30	22 45	24 33	3 11	21 6	2 21	24 40	1 15	14 45	1 15	23 4	0 19	21 17	0 13	22 15	0 30	5 9	1 22	25 30	4 46	22 50	22 41	16 49	1 11	4 38
W31	22n51	25s15	2s13	20n49	2s37	24n38	1n17	14n33	1n14	23s 4	0n19	21s18	0s14	22n14	0n30	5n 8	1n22	25s31	4s46	22s50	22s42	16s46	1s11	4n38

Julian Day Number = 2190159.5, Delta T = 10m49s
Ecliptic obliquity = 23°31'58, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'34, Lahiri = 13°52'34 Julian Calendar 1 May 1284 == Greg. Calendar 8 May 1284

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ASTRODIENST EPHEMERIS for the year 1284
geocentric

JUNE 1284 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 8 28	17♊33'39	0♉51	24°R22	8♋ 9	25♌ 6	23°R35	25°R43	22♋ 0	20♍15	27°R 2	13°R33	14♉52	6♒57	16♓13	T 1
F 2	17 12 24	18°30'51	12°56	23♊51	9°22	25°40	23♐28	25♉40	22° 3	20°15	27♉ 1	13°D33	14°48	7° 3	16°14	F 2
S 3	17 16 21	19°28'02	24°52	23°18	10°35	26°13	23°20	25°37	22° 6	20°16	27° 0	13♉33	14°45	7°10	16°14	S 3
S 4	17 20 17	20°25'14	6♒42	22°43	11°48	26°46	23°13	25°34	22°10	20°16	26°59	13°34	14°42	7°17	16°15	S 4
M 5	17 24 14	21°22'25	18°31	22° 8	13° 1	27°20	23° 5	25°31	22°13	20°16	26°58	13°36	14°39	7°23	16°15	M 5
T 6	17 28 10	22°19'36	0♓21	21°34	14°14	27°53	22°57	25°27	22°16	20°17	26°57	13°38	14°36	7°30	16°15	T 6
W 7	17 32 7	23°16'46	12°18	20°59	15°27	28°27	22°49	25°24	22°20	20°17	26°55	13°39	14°32	7°37	16°16	W 7
T 8	17 36 3	24°13'57	24°27	20°26	16°40	29° 0	22°42	25°20	22°23	20°18	26°54	13°R39	14°29	7°43	16°16	T 8
F 9	17 40 0	25°11'08	6♈51	19°54	17°53	29°34	22°34	25°17	22°26	20°18	26°53	13°39	14°26	7°50	16°16	F 9
S 10	17 43 57	26° 8'19	19°35	19°25	19° 6	0♍ 8	22°26	25°13	22°30	20°19	26°52	13°38	14°23	7°56	16°16	S 10
S 11	17 47 53	27° 5'30	2♉43	18°58	20°19	0°42	22°19	25°10	22°33	20°19	26°51	13°36	14°20	8° 3	16°R16	S 11
M12	17 51 50	28° 2'42	16°16	18°35	21°32	1°16	22°11	25° 6	22°36	20°20	26°50	13°34	14°17	8°10	16°16	M12
T 13	17 55 46	28°59'53	0♊15	18°15	22°45	1°51	22° 4	25° 2	22°40	20°20	26°49	13°32	14°13	8°16	16°16	T 13
W14	17 59 43	29°57'05	14°36	18° 0	23°57	2°25	21°56	24°59	22°43	20°21	26°47	13°30	14°10	8°23	16°16	W14
T 15	18 3 39	0♋54'17	29°16	17°48	25°10	2°59	21°48	24°55	22°47	20°22	26°46	13°29	14° 7	8°30	16°16	T 15
F 16	18 7 36	1°51'28	14♋ 7	17°41	26°23	3°34	21°41	24°51	22°50	20°22	26°45	13°D29	14° 4	8°36	16°16	F 16
S 17	18 11 33	2°48'40	29° 3	17°D39	27°36	4° 9	21°34	24°47	22°54	20°23	26°44	13°29	14° 1	8°43	16°15	S 17
S 18	18 15 29	3°45'52	13♌56	17°42	28°49	4°43	21°26	24°43	22°57	20°24	26°42	13°30	13°58	8°50	16°15	S 18
M19	18 19 26	4°43'03	28°37	17°50	0♌ 2	5°18	21°19	24°39	23° 1	20°25	26°41	13°31	13°54	8°56	16°15	M19
T 20	18 23 22	5°40'14	13♍ 4	18° 3	1°14	5°53	21°12	24°35	23° 4	20°26	26°40	13°31	13°51	9° 3	16°14	T 20
W21	18 27 19	6°37'25	27°11	18°21	2°27	6°28	21° 4	24°31	23° 8	20°26	26°39	13°32	13°48	9°10	16°14	W21
T 22	18 31 15	7°34'36	10♎58	18°44	3°40	7° 3	20°57	24°27	23°12	20°27	26°37	13°R32	13°45	9°16	16°13	T 22
F 23	18 35 12	8°31'47	24°25	19°13	4°52	7°38	20°50	24°23	23°15	20°28	26°36	13°32	13°42	9°23	16°13	F 23
S 24	18 39 8	9°28'58	7♏33	19°47	6° 5	8°14	20°43	24°19	23°19	20°29	26°35	13°31	13°38	9°30	16°12	S 24
S 25	18 43 5	10°26'10	20°23	20°26	7°18	8°49	20°37	24°14	23°22	20°30	26°33	13°31	13°35	9°36	16°11	S 25
M26	18 47 2	11°23'21	2♐59	21°10	8°30	9°24	20°30	24°10	23°26	20°31	26°32	13°31	13°32	9°43	16°10	M26
T 27	18 50 58	12°20'32	15°22	21°59	9°43	10° 0	20°23	24° 6	23°30	20°32	26°31	13°30	13°29	9°50	16°10	T 27
W28	18 54 55	13°17'44	27°34	22°53	10°55	10°36	20°17	24° 2	23°33	20°33	26°29	13°D30	13°26	9°56	16° 9	W28
T 29	18 58 51	14°14'56	9♑37	23°52	12° 8	11°11	20°10	23°57	23°37	20°34	26°28	13°R30	13°23	10° 3	16° 8	T 29
F 30	19 2 48	15♋12'09	21♑33	24♊56	13♌20	11♍47	20♐ 4	23♑53	23♋41	20♍36	26♑27	13♑30	13♑19	10♒10	16♓ 7	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n57	24s41	1s 9	20n32	2s53	24n35	1n18	14n21	1n13	23s 4	0n19	21s18	0s14	22n14	0n30	5n 8	1n22	25s31	4s47	22s50	22s42	16s44	1s11	4n39
F 2	23 2	22 58	0 3	20 16	3 8	24 32	1 20	14 9	1 12	23 4	0 19	21 19	0 14	22 13	0 30	5 8	1 22	25 31	4 47	22 50	22 42	16 42	1 10	4 39
S 3	23 7	20 13	1n 2	20 0	3 22	24 28	1 22	13 56	1 11	23 3	0 18	21 20	0 14	22 13	0 30	5 8	1 22	25 32	4 47	22 50	22 43	16 39	1 10	4 39
S 4	23 11	16 40	2 4	19 45	3 35	24 23	1 23	13 44	1 10	23 3	0 18	21 20	0 14	22 12	0 30	5 8	1 22	25 32	4 47	22 50	22 43	16 37	1 9	4 39
M 5	23 15	12 28	3 1	19 31	3 48	24 18	1 24	13 32	1 9	23 3	0 18	21 21	0 14	22 12	0 30	5 8	1 22	25 32	4 47	22 50	22 43	16 34	1 9	4 40
T 6	23 19	7 48	3 50	19 18	3 59	24 11	1 26	13 19	1 8	23 3	0 18	21 22	0 14	22 11	0 30	5 7	1 22	25 33	4 47	22 50	22 44	16 32	1 9	4 40
W 7	23 22	2 49	4 30	19 6	4 8	24 5	1 27	13 7	1 7	23 2	0 18	21 23	0 14	22 10	0 30	5 7	1 22	25 33	4 48	22 50	22 44	16 29	1 9	4 40
T 8	23 24	2n21	4 59	18 55	4 17	23 57	1 28	12 54	1 6	23 2	0 18	21 23	0 14	22 10	0 30	5 7	1 22	25 34	4 48	22 50	22 44	16 27	1 8	4 40
F 9	23 27	7 32	5 14	18 46	4 24	23 49	1 30	12 41	1 5	23 2	0 18	21 24	0 15	22 9	0 30	5 7	1 22	25 34	4 48	22 50	22 45	16 24	1 8	4 40
S 10	23 29	12 32	5 14	18 38	4 29	23 40	1 31	12 28	1 4	23 2	0 17	21 25	0 15	22 9	0 30	5 7	1 22	25 34	4 48	22 50	22 45	16 22	1 8	4 41
S 11	23 30	17 8	4 59	18 32	4 33	23 30	1 32	12 15	1 4	23 1	0 17	21 26	0 15	22 8	0 30	5 6	1 22	25 35	4 48	22 50	22 46	16 19	1 8	4 41
M12	23 31	21 1	4 26	18 28	4 35	23 20	1 33	12 2	1 3	23 1	0 17	21 26	0 15	22 8	0 30	5 6	1 22	25 35	4 48	22 50	22 46	16 17	1 7	4 41
T 13	23 32	23 49	3 37	18 25	4 36	23 9	1 34	11 49	1 2	23 1	0 17	21 27	0 15	22 7	0 30	5 6	1 22	25 35	4 48	22 51	22 46	16 14	1 7	4 41
W14	23 32	25 11	2 33	18 25	4 36	22 57	1 35	11 36	1 1	23 0	0 17	21 28	0 15	22 7	0 30	5 5	1 22	25 36	4 49	22 51	22 47	16 12	1 7	4 41
T 15	23 32	24 50	1 18	18 25	4 34	22 45	1 35	11 23	1 0	23 0	0 17	21 29	0 15	22 6	0 30	5 5	1 22	25 36	4 49	22 51	22 47	16 9	1 7	4 42
F 16	23 31	22 43	0s 4	18 28	4 31	22 32	1 36	11 9	0 59	23 0	0 17	21 29	0 15	22 5	0 30	5 5	1 22	25 37	4 49	22 51	22 47	16 7	1 7	4 42
S 17	23 30	19 2	1 25	18 32	4 26	22 18	1 37	10 56	0 58	22 59	0 16	21 30	0 15	22 5	0 30	5 5	1 22	25 37	4 49	22 51	22 48	16 4	1 7	4 42
S 18	23 29	14 9	2 41	18 38	4 21	22 4	1 37	10 42	0 57	22 59	0 16	21 31	0 15	22 4	0 30	5 4	1 22	25 37	4 49	22 51	22 48	16 2	1 7	4 42
M19	23 27	8 29	3 45	18 46	4 14	21 49	1 38	10 29	0 56	22 59	0 16	21 32	0 16	22 4	0 30	5 4	1 22	25 38	4 49	22 51	22 48	15 59	1 7	4 42
T 20	23 25	2 28	4 34	18 54	4 6	21 34	1 38	10 15	0 56	22 58	0 16	21 33	0 16	22 3	0 30	5 3	1 22	25 38	4 49	22 51	22 49	15 57	1 7	4 43
W21	23 22	3s32	5 5	19 5	3 57	21 17	1 39	10 1	0 55	22 58	0 16	21 34	0 16	22 2	0 30	5 3	1 22	25 39	4 50	22 51	22 49	15 54	1 7	4 43
T 22	23 19	9 13	5 17	19 16	3 48	21 1	1 39	9 47	0 54	22 58	0 16	21 34	0 16	22 2	0 30	5 3	1 22	25 39	4 50	22 51	22 49	15 52	1 7	4 43
F 23	23 15	14 19	5 12	19 29	3 37	20 44	1 39	9 33	0 53	22 57	0 15	21 35	0 16	22 1	0 30	5 2	1 22	25 39	4 50	22 51	22 50	15 49	1 7	4 43
S 24	23 12	18 39	4 50	19 42	3 26	20 26	1 39	9 19	0 52	22 57	0 15	21 36	0 16	22 1	0 30	5 2	1 22	25 40	4 50	22 51	22 50	15 47	1 7	4 43
S 25	23 7	22 0	4 14	19 57	3 15	20 7	1 39	9 5	0 51	22 57	0 15	21 37	0 16	22 0	0 30	5 1	1 21	25 40	4 50	22 51	22 50	15 44	1 7	4 44
M26	23 3	24 13	3 27	20 12	3 3	19 48	1 39	8 51	0 50	22 56	0 15	21 38	0 16	21 59	0 30	5 1	1 21	25 40	4 50	22 51	22 50	15 42	1 7	4 44
T 27	22 57	25 13	2 30	20 28	2 50	19 29	1 39	8 37	0 49	22 56	0 15	21 39	0 16	21 59	0 30	5 1	1 21	25 41	4 50	22 51	22 51	15 39	1 7	4 44
W28	22 52	24 58	1 27	20 44	2 37	19 9	1 39	8 22	0 49	22 56	0 15	21 39	0 16	21 58	0 30	5 0	1 21	25 41	4 50	22 51	22 51	15 37	1 7	4 44
T 29	22 46	23 33	0 22	21 0	2 23	18 48	1 39	8 8	0 48	22 55	0 15	21 40	0 16	21 57	0 30	5 0	1 21	25 42	4 51	22 51	22 51	15 34	1 8	4 44
F 30	22n40	21s 4	0n45	21n16	2s10	18n27	1n39	7n54	0n47	22s55	0n14	21s41	0s17	21n57	0n30	4n59	1n21	25s42	4s51	22s51	22s52	15s31	1s 8	4n45

Julian Day Number = 2190190.5, Delta T = 10m49s
Ecliptic obliquity = 23°31'58, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'38, Lahiri = 13°52'39 Julian Calendar 1 June 1284 == Greg. Calendar 8 June 1284

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ASTRODIENST EPHEMERIS for the year 1284
geocentric

JULY 1284 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 6 44	16♋ 9'22	3♒24	26♊ 5	14♌33	12♍23	19°R58	23°R48	23♋44	20♍37	26°R25	13°R30	13♂16	10♒16	16°R 6	S 1
S 2	19 10 41	17° 6'35	15°13	27°19	15°45	12°59	19♐51	23♂44	23°48	20°38	26♂24	13♂30	13°13	10°23	16♓ 5	S 2
M 3	19 14 37	18° 3'50	27° 2	28°37	16°57	13°35	19°45	23°40	23°52	20°39	26°22	13°29	13°10	10°30	16° 4	M 3
T 4	19 18 34	19° 1'05	8♓54	29°59	18°10	14°11	19°40	23°35	23°55	20°40	26°21	13°29	13° 7	10°36	16° 2	T 4
W 5	19 22 31	19°58'20	20°53	1♋27	19°22	14°47	19°34	23°31	23°59	20°42	26°20	13°28	13° 4	10°43	16° 1	W 5
T 6	19 26 27	20°55'37	3♈ 1	2°59	20°34	15°24	19°28	23°26	24° 3	20°43	26°18	13°27	13° 0	10°50	16° 0	T 6
F 7	19 30 24	21°52'55	15°24	4°34	21°46	16° 0	19°23	23°22	24° 6	20°44	26°17	13°27	12°57	10°56	15°59	F 7
S 8	19 34 20	22°50'13	28° 5	6°14	22°59	16°36	19°17	23°17	24°10	20°46	26°16	13°D27	12°54	11° 3	15°57	S 8
S 9	19 38 17	23°47'33	11♉ 8	7°58	24°11	17°13	19°12	23°13	24°14	20°47	26°14	13°27	12°51	11°10	15°56	S 9
M10	19 42 13	24°44'54	24°36	9°44	25°23	17°50	19° 7	23° 9	24°17	20°48	26°13	13°28	12°48	11°16	15°54	M10
T 11	19 46 10	25°42'16	8♊30	11°35	26°35	18°26	19° 2	23° 4	24°21	20°50	26°11	13°29	12°44	11°23	15°53	T 11
W12	19 50 6	26°39'39	22°50	13°28	27°47	19° 3	18°58	23° 0	24°25	20°51	26°10	13°30	12°41	11°30	15°51	W12
T 13	19 54 3	27°37'03	7♋33	15°23	28°59	19°40	18°53	22°55	24°28	20°53	26° 9	13°R31	12°38	11°36	15°50	T 13
F 14	19 58 0	28°34'28	22°34	17°21	0♍11	20°17	18°49	22°51	24°32	20°54	26° 7	13°30	12°35	11°43	15°48	F 14
S 15	20 1 56	29°31'54	7♌43	19°21	1°23	20°54	18°44	22°46	24°36	20°56	26° 6	13°30	12°32	11°50	15°46	S 15
S 16	20 5 53	0♌29'21	22°53	21°22	2°35	21°31	18°40	22°42	24°39	20°57	26° 4	13°28	12°29	11°56	15°45	S 16
M17	20 9 49	1°26'49	7♍53	23°25	3°47	22° 8	18°36	22°38	24°43	20°59	26° 3	13°26	12°25	12° 3	15°43	M17
T 18	20 13 46	2°24'17	22°36	25°29	4°59	22°45	18°33	22°33	24°47	21° 1	26° 2	13°24	12°22	12°10	15°41	T 18
W19	20 17 42	3°21'46	6♎55	27°33	6°11	23°23	18°29	22°29	24°50	21° 2	26° 0	13°22	12°19	12°16	15°39	W19
T 20	20 21 39	4°19'16	20°49	29°37	7°23	24° 0	18°26	22°25	24°54	21° 4	25°59	13°20	12°16	12°23	15°37	T 20
F 21	20 25 35	5°16'47	4♏17	1♌41	8°35	24°38	18°23	22°20	24°58	21° 5	25°57	13°D20	12°13	12°30	15°35	F 21
S 22	20 29 32	6°14'19	17°20	3°45	9°46	25°15	18°19	22°16	25° 1	21° 7	25°56	13°20	12°10	12°36	15°33	S 22
S 23	20 33 29	7°11'52	0♐ 2	5°49	10°58	25°53	18°17	22°12	25° 5	21° 9	25°55	13°21	12° 6	12°43	15°31	S 23
M24	20 37 25	8° 9'25	12°27	7°51	12°10	26°31	18°14	22° 8	25° 9	21°11	25°53	13°23	12° 3	12°50	15°29	M24
T 25	20 41 22	9° 7'00	24°38	9°53	13°21	27° 8	18°11	22° 4	25°12	21°12	25°52	13°24	12° 0	12°56	15°27	T 25
W26	20 45 18	10° 4'36	6♑39	11°54	14°33	27°46	18° 9	21°59	25°16	21°14	25°51	13°25	11°57	13° 3	15°25	W26
T 27	20 49 15	11° 2'13	18°33	13°54	15°44	28°24	18° 7	21°55	25°19	21°16	25°49	13°R25	11°54	13°10	15°23	T 27
F 28	20 53 11	11°59'51	0♒23	15°53	16°56	29° 2	18° 5	21°51	25°23	21°18	25°48	13°24	11°50	13°16	15°21	F 28
S 29	20 57 8	12°57'30	12°12	17°50	18° 7	29°40	18° 3	21°47	25°27	21°19	25°47	13°22	11°47	13°23	15°19	S 29
S 30	21 1 4	13°55'10	24° 2	19°47	19°19	0♎18	18° 2	21°43	25°30	21°21	25°45	13°17	11°44	13°30	15°16	S 30
M31	21 5 1	14♌52'52	5♓54	21♌41	20♍30	0♎57	18♐ 0	21♂40	25♋34	21♍23	25♂44	13♂12	11♂41	13♒36	15♓14	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n33	17s43	1n48	21n32	1s56	18n 6	1n38	7n39	0n46	22s55	0n14	21s42	0s17	21n56	0n30	4n59	1n21	25s42	4s51	22s51	22s52	15s29	1s 8	4n45
S 2	22 26	13 40	2 47	21 48	1 42	17 44	1 38	7 24	0 45	22 55	0 14	21 43	0 17	21 56	0 30	4 58	1 21	25 43	4 51	22 51	22 52	15 26	1 8	4 45
M 3	22 19	9 7	3 39	22 3	1 28	17 22	1 37	7 10	0 44	22 54	0 14	21 44	0 17	21 55	0 30	4 58	1 21	25 43	4 51	22 51	22 53	15 24	1 8	4 45
T 4	22 11	4 13	4 21	22 18	1 14	16 59	1 37	6 55	0 44	22 54	0 14	21 44	0 17	21 54	0 30	4 57	1 21	25 43	4 51	22 51	22 53	15 21	1 9	4 45
W 5	22 2	0n51	4 53	22 31	1 0	16 35	1 36	6 40	0 43	22 54	0 14	21 45	0 17	21 54	0 30	4 57	1 21	25 44	4 51	22 51	22 53	15 19	1 9	4 45
T 6	21 54	5 58	5 12	22 43	0 47	16 12	1 35	6 25	0 42	22 53	0 13	21 46	0 17	21 53	0 30	4 56	1 21	25 44	4 51	22 51	22 54	15 16	1 9	4 46
F 7	21 45	10 57	5 17	22 54	0 33	15 47	1 34	6 10	0 41	22 53	0 13	21 47	0 17	21 52	0 30	4 56	1 21	25 45	4 51	22 51	22 54	15 14	1 10	4 46
S 8	21 35	15 36	5 7	23 3	0 20	15 23	1 33	5 56	0 40	22 53	0 13	21 48	0 17	21 52	0 30	4 55	1 21	25 45	4 51	22 51	22 54	15 11	1 10	4 46
S 9	21 26	19 40	4 41	23 10	0 7	14 58	1 32	5 40	0 40	22 53	0 13	21 49	0 17	21 51	0 30	4 54	1 21	25 45	4 52	22 51	22 55	15 8	1 11	4 46
M10	21 16	22 51	3 59	23 15	0n 5	14 33	1 31	5 25	0 39	22 52	0 13	21 50	0 17	21 50	0 30	4 54	1 21	25 46	4 52	22 51	22 55	15 6	1 11	4 46
T 11	21 5	24 48	3 2	23 18	0 17	14 7	1 30	5 10	0 38	22 52	0 13	21 50	0 18	21 50	0 30	4 53	1 21	25 46	4 52	22 51	22 55	15 3	1 11	4 46
W12	20 54	25 12	1 52	23 19	0 28	13 41	1 29	4 55	0 37	22 52	0 12	21 51	0 18	21 49	0 30	4 53	1 21	25 46	4 52	22 51	22 55	15 1	1 12	4 47
T 13	20 43	23 52	0 33	23 17	0 39	13 14	1 28	4 40	0 36	22 52	0 12	21 52	0 18	21 48	0 30	4 52	1 21	25 47	4 52	22 51	22 56	14 58	1 12	4 47
F 14	20 32	20 49	0s50	23 12	0 49	12 48	1 26	4 24	0 35	22 52	0 12	21 53	0 18	21 48	0 30	4 51	1 21	25 47	4 52	22 51	22 56	14 56	1 13	4 47
S 15	20 20	16 19	2 10	23 5	0 58	12 20	1 25	4 9	0 35	22 51	0 12	21 54	0 18	21 47	0 30	4 51	1 21	25 47	4 52	22 51	22 56	14 53	1 13	4 47
S 16	20 7	10 47	3 21	22 55	1 6	11 53	1 23	3 54	0 34	22 51	0 12	21 55	0 18	21 47	0 30	4 50	1 21	25 48	4 52	22 51	22 57	14 50	1 14	4 47
M17	19 55	4 40	4 17	22 42	1 14	11 25	1 21	3 38	0 33	22 51	0 12	21 55	0 18	21 46	0 30	4 49	1 21	25 48	4 52	22 51	22 57	14 48	1 14	4 47
T 18	19 42	1s34	4 55	22 27	1 21	10 57	1 20	3 23	0 32	22 51	0 11	21 56	0 18	21 45	0 30	4 49	1 21	25 48	4 52	22 51	22 57	14 45	1 15	4 47
W19	19 29	7 33	5 14	22 9	1 27	10 29	1 18	3 7	0 31	22 51	0 11	21 57	0 18	21 45	0 30	4 48	1 21	25 49	4 52	22 52	22 58	14 43	1 16	4 48
T 20	19 15	12 59	5 13	21 48	1 32	10 1	1 16	2 52	0 31	22 51	0 11	21 58	0 18	21 44	0 31	4 48	1 21	25 49	4 52	22 52	22 58	14 40	1 16	4 48
F 21	19 1	17 37	4 55	21 25	1 36	9 32	1 14	2 36	0 30	22 50	0 11	21 59	0 18	21 43	0 31	4 47	1 21	25 49	4 52	22 52	22 58	14 38	1 17	4 48
S 22	18 47	21 15	4 22	21 0	1 40	9 3	1 12	2 20	0 29	22 50	0 11	21 59	0 18	21 43	0 31	4 46	1 21	25 50	4 52	22 52	22 58	14 35	1 17	4 48
S 23	18 33	23 46	3 37	20 33	1 42	8 34	1 10	2 5	0 28	22 50	0 11	22 0	0 19	21 42	0 31	4 45	1 21	25 50	4 53	22 52	22 59	14 32	1 18	4 48
M24	18 18	25 4	2 42	20 3	1 44	8 4	1 8	1 49	0 28	22 50	0 10	22 1	0 19	21 41	0 31	4 45	1 21	25 50	4 53	22 51	22 59	14 30	1 19	4 48
T 25	18 3	25 7	1 42	19 32	1 46	7 35	1 6	1 33	0 27	22 50	0 10	22 2	0 19	21 41	0 31	4 44	1 21	25 51	4 53	22 51	22 59	14 27	1 20	4 48
W26	17 47	23 59	0 37	18 59	1 46	7 5	1 3	1 17	0 26	22 50	0 10	22 2	0 19	21 40	0 31	4 43	1 21	25 51	4 53	22 51	23 0	14 25	1 20	4 48
T 27	17 32	21 47	0n28	18 25	1 46	6 35	1 1	1 1	0 25	22 50	0 10	22 3	0 19	21 39	0 31	4 43	1 21	25 51	4 53	22 51	23 0	14 22	1 21	4 48
F 28	17 16	18 39	1 32	17 49	1 45	6 5	0 58	0 46	0 25	22 50	0 10	22 4	0 19	21 39	0 31	4 42	1 21	25 51	4 53	22 51	23 0	14 19	1 22	4 49
S 29	16 59	14 47	2 31	17 12	1 44	5 34	0 56	0 30	0 24	22 50	0 10	22 4	0 19	21 38	0 31	4 41	1 21	25 52	4 53	22 52	23 0	14 17	1 22	4 49
S 30	16 43	10 21	3 24	16 34	1 42	5 4	0 53	0 14	0 23	22 50	0 10	22 5	0 19	21 37	0 31	4 40	1 21	25 52	4 53	22 52	23 1	14 14	1 23	4 49
M31	16n26	5s32	4n 8	15n54	1n40	4n33	0n51	0s 2	0n22	22s50	0n 9	22s 6	0s19	21n37	0n31	4n40	1n20	25s52	4s53	22s52	23s 1	14s12	1s24	4n49

Julian Day Number = 2190220.5, Delta T = 10m48s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'42, Lahiri = 13°52'43 Julian Calendar 1 July 1284 == Greg. Calendar 8 July 1284

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ASTRODIENST EPHEMERIS for the year 1284
geocentric

AUGUST 1284 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 8 58	15♌50'36	17♓51	23♌35	21♍41	1♎35	17°R59	21°R36	25♋37	21♍25	25°R43	13°R 7	11♑38	13♒43	15°R12	T 1
W 2	21 12 54	16°48'20	29°55	25°27	22°52	2°13	17♐58	21♑32	25°41	21°27	25♑42	13♑ 1	11°35	13°50	15♓ 9	W 2
T 3	21 16 51	17°46'07	12♈ 8	27°18	24° 3	2°52	17°57	21°28	25°44	21°29	25°40	12°56	11°31	13°56	15° 7	T 3
F 4	21 20 47	18°43'55	24°33	29° 7	25°15	3°30	17°56	21°24	25°48	21°31	25°39	12°52	11°28	14° 3	15° 5	F 4
S 5	21 24 44	19°41'45	7♉14	0♍55	26°26	4° 9	17°56	21°21	25°51	21°33	25°38	12°50	11°25	14°10	15° 2	S 5
S 6	21 28 40	20°39'37	20°12	2°42	27°37	4°48	17°56	21°17	25°55	21°35	25°36	12°D49	11°22	14°16	15° 0	S 6
M 7	21 32 37	21°37'31	3♊32	4°27	28°48	5°26	17°D56	21°14	25°58	21°37	25°35	12°49	11°19	14°23	14°57	M 7
T 8	21 36 33	22°35'27	17°17	6°11	29°58	6° 5	17°56	21°10	26° 1	21°39	25°34	12°51	11°16	14°30	14°55	T 8
W 9	21 40 30	23°33'24	1♋26	7°54	1♎ 9	6°44	17°56	21° 7	26° 5	21°41	25°33	12°52	11°12	14°36	14°52	W 9
T 10	21 44 27	24°31'24	15°59	9°35	2°20	7°23	17°56	21° 3	26° 8	21°43	25°32	12°R52	11° 9	14°43	14°49	T 10
F 11	21 48 23	25°29'25	0♌54	11°15	3°31	8° 2	17°57	21° 0	26°12	21°45	25°30	12°51	11° 6	14°50	14°47	F 11
S 12	21 52 20	26°27'28	16° 2	12°54	4°42	8°41	17°58	20°57	26°15	21°47	25°29	12°48	11° 3	14°56	14°44	S 12
S 13	21 56 16	27°25'32	1♍16	14°32	5°52	9°21	17°59	20°54	26°18	21°49	25°28	12°43	11° 0	15° 3	14°42	S 13
M14	22 0 13	28°23'39	16°24	16° 8	7° 3	10° 0	18° 0	20°51	26°21	21°51	25°27	12°36	10°56	15°10	14°39	M14
T 15	22 4 9	29°21'46	1♎17	17°43	8°13	10°39	18° 2	20°48	26°25	21°53	25°26	12°29	10°53	15°16	14°36	T 15
W16	22 8 6	0♍19'56	15°48	19°17	9°24	11°19	18° 3	20°45	26°28	21°55	25°25	12°22	10°50	15°23	14°34	W16
T 17	22 12 2	1°18'07	29°50	20°49	10°34	11°58	18° 5	20°42	26°31	21°57	25°24	12°17	10°47	15°30	14°31	T 17
F 18	22 15 59	2°16'19	13♏24	22°20	11°44	12°38	18° 7	20°39	26°34	21°59	25°23	12°13	10°44	15°36	14°28	F 18
S 19	22 19 56	3°14'33	26°30	23°51	12°55	13°17	18° 9	20°37	26°37	22° 1	25°22	12°12	10°41	15°43	14°25	S 19
S 20	22 23 52	4°12'49	9♐11	25°19	14° 5	13°57	18°12	20°34	26°41	22° 4	25°21	12°D11	10°37	15°50	14°23	S 20
M21	22 27 49	5°11'06	21°32	26°47	15°15	14°37	18°14	20°31	26°44	22° 6	25°20	12°12	10°34	15°56	14°20	M21
T 22	22 31 45	6° 9'24	3♑37	28°13	16°25	15°17	18°17	20°29	26°47	22° 8	25°19	12°13	10°31	16° 3	14°17	T 22
W23	22 35 42	7° 7'45	15°33	29°38	17°35	15°57	18°20	20°27	26°50	22°10	25°18	12°R14	10°28	16°10	14°14	W23
T 24	22 39 38	8° 6'07	27°23	1♎ 2	18°45	16°37	18°23	20°24	26°53	22°12	25°17	12°12	10°25	16°16	14°12	T 24
F 25	22 43 35	9° 4'30	9♒11	2°24	19°55	17°17	18°26	20°22	26°56	22°14	25°16	12° 9	10°22	16°23	14° 9	F 25
S 26	22 47 31	10° 2'56	21° 0	3°46	21° 4	17°57	18°30	20°20	26°59	22°17	25°15	12° 3	10°18	16°30	14° 6	S 26
S 27	22 51 28	11° 1'23	2♓53	5° 5	22°14	18°37	18°33	20°18	27° 1	22°19	25°14	11°54	10°15	16°36	14° 3	S 27
M28	22 55 25	11°59'52	14°53	6°23	23°24	19°17	18°37	20°16	27° 4	22°21	25°13	11°44	10°12	16°43	14° 0	M28
T 29	22 59 21	12°58'23	26°59	7°40	24°33	19°57	18°41	20°14	27° 7	22°23	25°12	11°33	10° 9	16°50	13°58	T 29
W30	23 3 18	13°56'56	9♈14	8°55	25°42	20°38	18°45	20°13	27°10	22°25	25°11	11°21	10° 6	16°56	13°55	W30
T 31	23 7 14	14♍55'31	21♈38	10♎ 9	26♎52	21♎18	18♐49	20♑11	27♋13	22♍28	25♑11	11♑11	10♑ 2	17♒ 3	13♓52	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n 9	0s30	4n42	15n14	1n37	4n 3	0n48	0s18	0n21	22s50	0n 9	22s 7	0s19	21n36	0n31	4n39	1n20	25s53	4s53	22s53	23s 1	14s 9	1s25	4n49
W 2	15 52	4n36	5 3	14 33	1 34	3 32	0 45	0 34	0 21	22 50	0 9	22 7	0 19	21 36	0 31	4 38	1 20	25 53	4 53	22 54	23 2	14 6	1 26	4 49
T 3	15 34	9 35	5 11	13 52	1 30	3 1	0 42	0 50	0 20	22 50	0 9	22 8	0 19	21 35	0 31	4 37	1 20	25 53	4 53	22 54	23 2	14 4	1 27	4 49
F 4	15 16	14 16	5 5	13 9	1 25	2 30	0 39	1 6	0 19	22 50	0 9	22 9	0 19	21 34	0 31	4 37	1 20	25 53	4 53	22 54	23 2	14 1	1 27	4 49
S 5	14 58	18 26	4 44	12 27	1 21	1 59	0 36	1 22	0 18	22 50	0 9	22 9	0 20	21 34	0 31	4 36	1 20	25 54	4 53	22 55	23 2	13 58	1 28	4 49
S 6	14 40	21 50	4 8	11 44	1 16	1 28	0 33	1 38	0 18	22 51	0 8	22 10	0 20	21 33	0 31	4 35	1 20	25 54	4 53	22 55	23 3	13 56	1 29	4 49
M 7	14 21	24 10	3 18	11 0	1 10	0 57	0 30	1 55	0 17	22 51	0 8	22 10	0 20	21 32	0 31	4 34	1 20	25 54	4 53	22 55	23 3	13 53	1 30	4 49
T 8	14 2	25 9	2 15	10 17	1 5	0 25	0 27	2 11	0 16	22 51	0 8	22 11	0 20	21 32	0 31	4 33	1 20	25 54	4 53	22 55	23 3	13 51	1 31	4 49
W 9	13 43	24 33	1 2	9 33	0 59	0s 6	0 24	2 27	0 16	22 51	0 8	22 12	0 20	21 31	0 31	4 33	1 20	25 55	4 53	22 54	23 3	13 48	1 32	4 49
T 10	13 24	22 17	0s17	8 49	0 52	0 37	0 20	2 43	0 15	22 51	0 8	22 12	0 20	21 31	0 31	4 32	1 20	25 55	4 53	22 54	23 4	13 45	1 33	4 49
F 11	13 4	18 28	1 36	8 5	0 46	1 8	0 17	2 59	0 14	22 51	0 8	22 13	0 20	21 30	0 31	4 31	1 20	25 55	4 53	22 55	23 4	13 43	1 34	4 50
S 12	12 45	13 23	2 50	7 21	0 39	1 40	0 14	3 15	0 13	22 52	0 7	22 13	0 20	21 29	0 31	4 30	1 20	25 55	4 53	22 55	23 4	13 40	1 35	4 50
S 13	12 25	7 27	3 52	6 37	0 32	2 11	0 10	3 31	0 13	22 52	0 7	22 14	0 20	21 29	0 31	4 29	1 20	25 56	4 53	22 55	23 5	13 37	1 36	4 50
M14	12 5	1 8	4 37	5 53	0 25	2 42	0 7	3 48	0 12	22 52	0 7	22 14	0 20	21 28	0 31	4 28	1 20	25 56	4 53	22 56	23 5	13 35	1 37	4 50
T 15	11 44	5s 8	5 2	5 9	0 18	3 13	0 3	4 4	0 11	22 52	0 7	22 15	0 20	21 28	0 31	4 28	1 20	25 56	4 53	22 57	23 5	13 32	1 38	4 50
W16	11 24	10 58	5 8	4 25	0 10	3 45	0s 0	4 20	0 10	22 53	0 7	22 15	0 20	21 27	0 31	4 27	1 20	25 56	4 53	22 57	23 5	13 30	1 39	4 50
T 17	11 3	16 2	4 54	3 42	0 3	4 16	0 4	4 36	0 10	22 53	0 7	22 16	0 20	21 26	0 31	4 26	1 20	25 56	4 53	22 58	23 6	13 27	1 40	4 50
F 18	10 42	20 7	4 24	2 58	0s 5	4 47	0 8	4 52	0 9	22 53	0 7	22 16	0 20	21 26	0 31	4 25	1 20	25 57	4 53	22 58	23 6	13 24	1 41	4 50
S 19	10 21	23 2	3 41	2 16	0 13	5 18	0 11	5 8	0 8	22 54	0 6	22 17	0 20	21 25	0 31	4 24	1 20	25 57	4 53	22 58	23 6	13 22	1 42	4 50
S 20	10 0	24 41	2 48	1 33	0 21	5 48	0 15	5 24	0 8	22 54	0 6	22 17	0 21	21 25	0 31	4 23	1 20	25 57	4 53	22 58	23 6	13 19	1 43	4 50
M21	9 39	25 5	1 49	0 51	0 29	6 19	0 19	5 41	0 7	22 54	0 6	22 18	0 21	21 24	0 31	4 22	1 20	25 57	4 53	22 58	23 7	13 16	1 44	4 50
T 22	9 17	24 15	0 46	0 9	0 37	6 50	0 23	5 57	0 6	22 55	0 6	22 18	0 21	21 23	0 31	4 22	1 20	25 57	4 53	22 58	23 7	13 14	1 45	4 50
W23	8 56	22 20	0n18	0s33	0 45	7 20	0 27	6 13	0 5	22 55	0 6	22 19	0 21	21 23	0 31	4 21	1 20	25 58	4 53	22 58	23 7	13 11	1 46	4 50
T 24	8 34	19 27	1 20	1 14	0 53	7 51	0 30	6 29	0 5	22 56	0 6	22 19	0 21	21 22	0 31	4 20	1 20	25 58	4 53	22 58	23 7	13 8	1 47	4 50
F 25	8 12	15 47	2 19	1 54	1 1	8 21	0 34	6 45	0 4	22 56	0 6	22 19	0 21	21 22	0 31	4 19	1 20	25 58	4 53	22 59	23 8	13 6	1 49	4 50
S 26	7 50	11 31	3 12	2 34	1 10	8 51	0 38	7 1	0 3	22 56	0 5	22 20	0 21	21 21	0 31	4 18	1 20	25 58	4 53	22 59	23 8	13 3	1 50	4 49
S 27	7 28	6 48	3 57	3 13	1 18	9 21	0 42	7 17	0 3	22 57	0 5	22 20	0 21	21 21	0 31	4 17	1 20	25 58	4 53	23 0	23 8	13 0	1 51	4 49
M28	7 5	1 49	4 31	3 52	1 26	9 50	0 46	7 33	0 2	22 57	0 5	22 21	0 21	21 20	0 31	4 16	1 20	25 58	4 53	23 1	23 8	12 58	1 52	4 49
T 29	6 43	3n17	4 54	4 30	1 34	10 20	0 50	7 49	0 1	22 58	0 5	22 21	0 21	21 20	0 31	4 16	1 20	25 58	4 53	23 2	23 9	12 55	1 53	4 49
W30	6 20	8 18	5 3	5 7	1 42	10 49	0 54	8 5	0 0	22 58	0 5	22 21	0 21	21 19	0 31	4 15	1 20	25 59	4 53	23 3	23 9	12 52	1 54	4 49
T 31	5n58	13n 4	4n58	5s43	1s50	11s18	0s58	8s21	0s 0	22s59	0n 5	22s21	0s21	21n19	0n31	4n14	1n20	25s59	4s53	23s 4	23s 9	12s50	1s55	4n49

Julian Day Number = 2190251.5, Delta T = 10m48s
Ecliptic obliquity = 23°31'58, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'46, Lahiri = 13°52'47 Julian Calendar 1 Aug. 1284 == Greg. Calendar 8 Aug. 1284

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1284
geocentric

SEPTEMBER 1284 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 11 11	15♍54'08	4♉12	11♎21	28♎ 1	21♎59	18♐54	20°R 9	27♋16	22♍30	25°R10	11°R 2	9♉59	17♒10	13°R49	F 1
S 2	23 15 7	16°52'47	16°59	12°31	29°10	22°39	18°58	20♉ 8	27°18	22°32	25♉ 9	10♉56	9°56	17°16	13♓46	S 2
S 3	23 19 4	17°51'29	29°59	13°39	0♏19	23°20	19° 3	20° 6	27°21	22°34	25° 8	10°52	9°53	17°23	13°44	S 3
M 4	23 23 0	18°50'13	13♊17	14°45	1°28	24° 1	19° 8	20° 5	27°24	22°37	25° 8	10°D51	9°50	17°30	13°41	M 4
T 5	23 26 57	19°48'59	26°54	15°49	2°37	24°42	19°13	20° 4	27°26	22°39	25° 7	10°51	9°47	17°36	13°38	T 5
W 6	23 30 54	20°47'48	10♋51	16°50	3°46	25°23	19°19	20° 3	27°29	22°41	25° 6	10°R51	9°43	17°43	13°35	W 6
T 7	23 34 50	21°46'39	25° 8	17°49	4°54	26° 4	19°24	20° 2	27°31	22°43	25° 6	10°50	9°40	17°50	13°32	T 7
F 8	23 38 47	22°45'32	9♌46	18°46	6° 3	26°45	19°30	20° 1	27°34	22°46	25° 5	10°47	9°37	17°56	13°30	F 8
S 9	23 42 43	23°44'28	24°38	19°39	7°11	27°26	19°36	20° 0	27°36	22°48	25° 5	10°42	9°34	18° 3	13°27	S 9
S 10	23 46 40	24°43'26	9♍39	20°30	8°20	28° 7	19°42	20° 0	27°38	22°50	25° 4	10°34	9°31	18°10	13°24	S 10
M11	23 50 36	25°42'25	24°40	21°17	9°28	28°48	19°48	19°59	27°41	22°52	25° 3	10°24	9°27	18°16	13°21	M11
T 12	23 54 33	26°41'27	9♎30	22° 0	10°36	29°29	19°54	19°58	27°43	22°54	25° 3	10°13	9°24	18°23	13°19	T 12
W13	23 58 29	27°40'31	24° 2	22°40	11°44	0♏11	20° 0	19°58	27°45	22°57	25° 2	10° 2	9°21	18°30	13°16	W13
T 14	0 2 26	28°39'37	8♏ 8	23°15	12°52	0°52	20° 7	19°58	27°48	22°59	25° 2	9°52	9°18	18°36	13°13	T 14
F 15	0 6 22	29°38'45	21°46	23°45	14° 0	1°34	20°14	19°58	27°50	23° 1	25° 2	9°45	9°15	18°43	13°11	F 15
S 16	0 10 19	0♎37'54	4♐55	24°10	15° 7	2°15	20°21	19°D57	27°52	23° 3	25° 1	9°40	9°12	18°50	13° 8	S 16
S 17	0 14 16	1°37'06	17°39	24°29	16°15	2°57	20°28	19°57	27°54	23° 6	25° 1	9°38	9° 8	18°57	13° 5	S 17
M18	0 18 12	2°36'19	0♑ 2	24°43	17°22	3°39	20°35	19°58	27°56	23° 8	25° 0	9°D38	9° 5	19° 3	13° 3	M18
T 19	0 22 9	3°35'34	12° 7	24°R50	18°29	4°21	20°42	19°58	27°58	23°10	25° 0	9°R38	9° 2	19°10	13° 0	T 19
W20	0 26 5	4°34'51	24° 2	24°50	19°36	5° 2	20°50	19°58	28° 0	23°12	25° 0	9°37	8°59	19°17	12°58	W20
T 21	0 30 2	5°34'10	5♒52	24°42	20°43	5°44	20°57	19°58	28° 2	23°14	24°59	9°35	8°56	19°23	12°55	T 21
F 22	0 33 58	6°33'30	17°40	24°27	21°50	6°26	21° 5	19°59	28° 4	23°17	24°59	9°30	8°53	19°30	12°53	F 22
S 23	0 37 55	7°32'52	29°32	24° 3	22°57	7° 8	21°13	20° 0	28° 6	23°19	24°59	9°23	8°49	19°37	12°50	S 23
S 24	0 41 51	8°32'17	11♓31	23°31	24° 3	7°51	21°21	20° 0	28° 7	23°21	24°59	9°13	8°46	19°43	12°48	S 24
M25	0 45 48	9°31'43	23°38	22°51	25° 9	8°33	21°29	20° 1	28° 9	23°23	24°59	9° 0	8°43	19°50	12°45	M25
T 26	0 49 45	10°31'11	5♈57	22° 3	26°16	9°15	21°37	20° 2	28°11	23°25	24°59	8°46	8°40	19°57	12°43	T 26
W27	0 53 41	11°30'41	18°26	21° 7	27°21	9°57	21°46	20° 3	28°13	23°27	24°58	8°32	8°37	20° 3	12°40	W27
T 28	0 57 38	12°30'13	1♉ 7	20° 5	28°27	10°40	21°54	20° 4	28°14	23°30	24°58	8°19	8°33	20°10	12°38	T 28
F 29	1 1 34	13°29'48	13°59	18°57	29°33	11°22	22° 3	20° 5	28°16	23°32	24°58	8° 9	8°30	20°17	12°36	F 29
S 30	1 5 31	14♎29'25	27♉ 2	17♎44	0♐38	12♏ 5	22♐12	20♉ 7	28♋17	23♍34	24°D58	8♉ 1	8♉27	20♒23	12♓34	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n35	17n20	4n39	6s19	1s58	11s47	1s 2	8s37	0s 1	22s59	0n 5	22s22	0s21	21n18	0n31	4n13	1n20	25s59	4s53	23s 4	23s 9	12s47	1s56	4n49
S 2	5 12	20 54	4 6	6 54	2 6	12 15	1 6	8 52	0 2	23 0	0 5	22 22	0 21	21 18	0 31	4 12	1 20	25 59	4 53	23 5	23 10	12 44	1 58	4 49
S 3	4 49	23 28	3 19	7 28	2 14	12 44	1 10	9 8	0 2	23 0	0 4	22 22	0 21	21 17	0 31	4 11	1 20	25 59	4 53	23 5	23 10	12 42	1 59	4 49
M 4	4 26	24 49	2 21	8 0	2 22	13 12	1 15	9 24	0 3	23 1	0 4	22 23	0 21	21 17	0 31	4 10	1 20	25 59	4 53	23 5	23 10	12 39	2 0	4 49
T 5	4 3	24 43	1 14	8 32	2 29	13 39	1 19	9 40	0 4	23 2	0 4	22 23	0 21	21 16	0 31	4 9	1 20	25 59	4 53	23 5	23 10	12 36	2 1	4 49
W 6	3 40	23 5	0 0	9 3	2 36	14 7	1 23	9 55	0 4	23 2	0 4	22 23	0 21	21 16	0 32	4 9	1 20	25 59	4 53	23 5	23 10	12 34	2 2	4 49
T 7	3 16	19 57	1s15	9 32	2 43	14 34	1 27	10 11	0 5	23 3	0 4	22 23	0 21	21 15	0 32	4 8	1 20	25 59	4 53	23 5	23 11	12 31	2 3	4 49
F 8	2 53	15 31	2 27	10 0	2 50	15 1	1 31	10 26	0 6	23 3	0 4	22 23	0 22	21 15	0 32	4 7	1 20	26 0	4 53	23 6	23 11	12 28	2 4	4 49
S 9	2 30	10 4	3 30	10 26	2 56	15 28	1 35	10 42	0 6	23 4	0 4	22 24	0 22	21 14	0 32	4 6	1 20	26 0	4 53	23 6	23 11	12 26	2 6	4 48
S 10	2 6	3 59	4 19	10 51	3 2	15 54	1 39	10 57	0 7	23 4	0 3	22 24	0 22	21 14	0 32	4 5	1 20	26 0	4 53	23 7	23 11	12 23	2 7	4 48
M11	1 43	2s19	4 50	11 14	3 8	16 20	1 43	11 13	0 8	23 5	0 3	22 24	0 22	21 13	0 32	4 4	1 20	26 0	4 52	23 7	23 12	12 20	2 8	4 48
T 12	1 19	8 23	5 1	11 35	3 13	16 45	1 47	11 28	0 8	23 6	0 3	22 24	0 22	21 13	0 32	4 3	1 20	26 0	4 52	23 8	23 12	12 18	2 9	4 48
W13	0 56	13 53	4 52	11 54	3 18	17 10	1 51	11 43	0 9	23 6	0 3	22 24	0 22	21 13	0 32	4 2	1 20	26 0	4 52	23 9	23 12	12 15	2 10	4 48
T 14	0 32	18 28	4 26	12 11	3 22	17 35	1 55	11 58	0 10	23 7	0 3	22 24	0 22	21 12	0 32	4 2	1 20	26 0	4 52	23 10	23 12	12 12	2 11	4 48
F 15	0 8	21 53	3 45	12 26	3 26	18 0	1 59	12 13	0 10	23 7	0 3	22 24	0 22	21 12	0 32	4 1	1 20	26 0	4 52	23 10	23 13	12 9	2 12	4 48
S 16	0s15	24 2	2 53	12 38	3 28	18 24	2 3	12 29	0 11	23 8	0 3	22 24	0 22	21 11	0 32	4 0	1 20	26 0	4 52	23 11	23 13	12 7	2 14	4 48
S 17	0 39	24 51	1 54	12 47	3 30	18 47	2 7	12 44	0 12	23 9	0 3	22 24	0 22	21 11	0 32	3 59	1 20	26 0	4 52	23 11	23 13	12 4	2 15	4 47
M18	1 2	24 23	0 51	12 53	3 31	19 10	2 11	12 58	0 12	23 9	0 2	22 24	0 22	21 11	0 32	3 58	1 20	26 0	4 52	23 11	23 13	12 1	2 16	4 47
T 19	1 26	22 45	0n13	12 55	3 31	19 33	2 15	13 13	0 13	23 10	0 2	22 24	0 22	21 10	0 32	3 57	1 20	26 0	4 52	23 11	23 13	11 59	2 17	4 47
W20	1 50	20 9	1 16	12 54	3 30	19 55	2 19	13 28	0 14	23 11	0 2	22 24	0 22	21 10	0 32	3 56	1 20	26 0	4 52	23 11	23 14	11 56	2 18	4 47
T 21	2 13	16 43	2 14	12 49	3 28	20 17	2 22	13 43	0 14	23 11	0 2	22 24	0 22	21 9	0 32	3 55	1 20	26 0	4 52	23 11	23 14	11 53	2 19	4 47
F 22	2 37	12 38	3 7	12 40	3 24	20 39	2 26	13 57	0 15	23 12	0 2	22 24	0 22	21 9	0 32	3 55	1 20	26 0	4 52	23 11	23 14	11 51	2 20	4 47
S 23	3 0	8 4	3 51	12 26	3 19	21 0	2 30	14 12	0 16	23 13	0 2	22 24	0 22	21 9	0 32	3 54	1 20	26 0	4 52	23 12	23 14	11 48	2 21	4 46
S 24	3 24	3 10	4 26	12 8	3 12	21 20	2 33	14 26	0 16	23 13	0 2	22 24	0 22	21 8	0 32	3 53	1 20	26 0	4 52	23 13	23 14	11 45	2 23	4 46
M25	3 47	1n53	4 49	11 45	3 3	21 40	2 37	14 40	0 17	23 14	0 2	22 24	0 22	21 8	0 32	3 52	1 20	26 0	4 52	23 14	23 15	11 42	2 24	4 46
T 26	4 11	6 57	4 59	11 17	2 52	21 59	2 40	14 54	0 17	23 14	0 2	22 24	0 22	21 8	0 32	3 51	1 21	26 0	4 52	23 14	23 15	11 40	2 25	4 46
W27	4 34	11 48	4 55	10 44	2 40	22 18	2 44	15 9	0 18	23 15	0 1	22 24	0 22	21 8	0 32	3 50	1 21	26 0	4 52	23 15	23 15	11 37	2 26	4 46
T 28	4 58	16 14	4 37	10 7	2 25	22 37	2 47	15 22	0 19	23 16	0 1	22 24	0 22	21 7	0 32	3 50	1 21	26 0	4 52	23 16	23 15	11 34	2 27	4 45
F 29	5 21	19 58	4 4	9 26	2 9	22 55	2 51	15 36	0 19	23 16	0 1	22 24	0 23	21 7	0 32	3 49	1 21	26 0	4 52	23 17	23 16	11 32	2 28	4 45
S 30	5s44	22n47	3n18	8s42	1s52	23s12	2s54	15s50	0s20	23s17	0n 1	22s24	0s23	21n 7	0n32	3n48	1n21	26s 0	4s51	23s17	23s16	11s29	2s29	4n45

Julian Day Number = 2190282.5, Delta T = 10m48s
Ecliptic obliquity = 23°31'58, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'51, Lahiri = 13°52'51 Julian Calendar 1 Sept. 1284 == Greg. Calendar 8 Sept. 1284

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ASTRODIENST EPHEMERIS for the year 1284
geocentric

OCTOBER 1284 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 9 27	15♎29'04	10♊16	16°R30	1♐43	12♏47	22♐21	20♑ 8	28♋19	23♍36	24♑58	7°R56	8♑24	20♒30	12°R31	S 1
M 2	1 13 24	16°28'45	23°41	15♎16	2°48	13°30	22°30	20° 9	28°20	23°38	24°58	7♑53	8°21	20°37	12♓29	M 2
T 3	1 17 20	17°28'29	7♋19	14° 4	3°53	14°13	22°39	20°11	28°21	23°40	24°58	7°D53	8°18	20°43	12°27	T 3
W 4	1 21 17	18°28'15	21°10	12°56	4°57	14°55	22°49	20°13	28°23	23°42	24°58	7°R53	8°14	20°50	12°25	W 4
T 5	1 25 14	19°28'03	5♌15	11°54	6° 2	15°38	22°58	20°15	28°24	23°44	24°59	7°52	8°11	20°57	12°23	T 5
F 6	1 29 10	20°27'53	19°34	11° 1	7° 6	16°21	23° 7	20°16	28°25	23°46	24°59	7°49	8° 8	21° 3	12°21	F 6
S 7	1 33 7	21°27'46	4♍ 5	10°17	8° 9	17° 4	23°17	20°18	28°26	23°48	24°59	7°44	8° 5	21°10	12°19	S 7
S 8	1 37 3	22°27'41	18°42	9°44	9°13	17°47	23°27	20°20	28°27	23°50	24°59	7°36	8° 2	21°17	12°17	S 8
M 9	1 41 0	23°27'38	3♎20	9°22	10°16	18°30	23°37	20°23	28°28	23°52	24°59	7°26	7°58	21°23	12°15	M 9
T 10	1 44 56	24°27'37	17°51	9°D12	11°19	19°13	23°47	20°25	28°29	23°54	25° 0	7°14	7°55	21°30	12°13	T 10
W11	1 48 53	25°27'38	2♏ 9	9°13	12°22	19°57	23°57	20°27	28°30	23°56	25° 0	7° 3	7°52	21°37	12°11	W11
T 12	1 52 49	26°27'42	16° 7	9°25	13°25	20°40	24° 7	20°30	28°31	23°58	25° 0	6°53	7°49	21°44	12° 9	T 12
F 13	1 56 46	27°27'47	29°41	9°48	14°27	21°23	24°18	20°32	28°32	24° 0	25° 1	6°45	7°46	21°50	12° 7	F 13
S 14	2 0 43	28°27'53	12♐50	10°20	15°29	22° 7	24°28	20°35	28°32	24° 2	25° 1	6°40	7°43	21°57	12° 6	S 14
S 15	2 4 39	29°28'02	25°36	11° 0	16°30	22°50	24°39	20°38	28°33	24° 4	25° 1	6°38	7°39	22° 4	12° 4	S 15
M16	2 8 36	0♏28'12	8♑ 0	11°49	17°32	23°34	24°49	20°41	28°34	24° 6	25° 2	6°D37	7°36	22°10	12° 2	M16
T 17	2 12 32	1°28'23	20° 8	12°45	18°32	24°17	25° 0	20°44	28°34	24° 8	25° 2	6°38	7°33	22°17	12° 1	T 17
W18	2 16 29	2°28'37	2♒ 4	13°47	19°33	25° 1	25°11	20°47	28°35	24°10	25° 3	6°R38	7°30	22°24	11°59	W18
T 19	2 20 25	3°28'51	13°55	14°54	20°33	25°45	25°22	20°50	28°35	24°12	25° 3	6°38	7°27	22°30	11°58	T 19
F 20	2 24 22	4°29'07	25°45	16° 6	21°33	26°29	25°33	20°53	28°36	24°13	25° 4	6°35	7°24	22°37	11°56	F 20
S 21	2 28 18	5°29'25	7♓39	17°23	22°32	27°12	25°44	20°56	28°36	24°15	25° 4	6°30	7°20	22°44	11°55	S 21
S 22	2 32 15	6°29'44	19°41	18°42	23°31	27°56	25°55	21° 0	28°36	24°17	25° 5	6°23	7°17	22°50	11°54	S 22
M23	2 36 11	7°30'05	1♈56	20° 4	24°30	28°40	26° 6	21° 3	28°37	24°19	25° 6	6°13	7°14	22°57	11°52	M23
T 24	2 40 8	8°30'27	14°25	21°29	25°28	29°24	26°18	21° 7	28°37	24°20	25° 6	6° 3	7°11	23° 4	11°51	T 24
W25	2 44 5	9°30'51	27° 9	22°56	26°25	0♐ 8	26°29	21°10	28°37	24°22	25° 7	5°52	7° 8	23°10	11°50	W25
T 26	2 48 1	10°31'17	10♉ 9	24°25	27°22	0°53	26°41	21°14	28°37	24°24	25° 8	5°42	7° 4	23°17	11°49	T 26
F 27	2 51 58	11°31'44	23°22	25°55	28°19	1°37	26°52	21°18	28°R37	24°25	25° 8	5°34	7° 1	23°24	11°48	F 27
S 28	2 55 54	12°32'13	6♊49	27°26	29°15	2°21	27° 4	21°22	28°37	24°27	25° 9	5°28	6°58	23°30	11°47	S 28
S 29	2 59 51	13°32'44	20°25	28°58	0♑10	3° 5	27°16	21°26	28°37	24°29	25°10	5°24	6°55	23°37	11°46	S 29
M30	3 3 47	14°33'16	4♋11	0♏30	1° 5	3°50	27°28	21°30	28°37	24°30	25°11	5°D23	6°52	23°44	11°45	M30
T 31	3 7 44	15♏33'50	18♋ 4	2♏ 3	1♑59	4♐34	27♐40	21♑34	28♋37	24♍32	25♑12	5♑24	6♑49	23♒51	11♓44	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6s 7	24n23	2n20	7s56	1s33	23s29	2s57	16s 4	0s21	23s18	0n 1	22s23	0s23	21n 6	0n32	3n47	1n21	26s 0	4s51	23s18	23s16	11s26	2s30	4n45
M 2	6 30	24 37	1 14	7 9	1 13	23 45	3 0	16 17	0 21	23 18	0 1	22 23	0 23	21 6	0 32	3 46	1 21	26 0	4 51	23 18	23 16	11 23	2 31	4 45
T 3	6 53	23 23	0 3	6 22	0 52	24 1	3 3	16 31	0 22	23 19	0 1	22 23	0 23	21 6	0 32	3 45	1 21	26 0	4 51	23 18	23 16	11 21	2 32	4 44
W 4	7 16	20 43	1s10	5 37	0 32	24 16	3 6	16 44	0 22	23 20	0 1	22 23	0 23	21 6	0 32	3 45	1 21	25 59	4 51	23 18	23 17	11 18	2 33	4 44
T 5	7 39	16 46	2 19	4 54	0 11	24 30	3 9	16 57	0 23	23 20	0 0	22 23	0 23	21 6	0 32	3 44	1 21	25 59	4 51	23 18	23 17	11 15	2 34	4 44
F 6	8 1	11 49	3 22	4 15	0n 9	24 44	3 12	17 10	0 24	23 21	0 0	22 22	0 23	21 5	0 33	3 43	1 21	25 59	4 51	23 18	23 17	11 12	2 35	4 44
S 7	8 24	6 9	4 11	3 40	0 27	24 57	3 15	17 23	0 24	23 21	0 0	22 22	0 23	21 5	0 33	3 42	1 21	25 59	4 51	23 18	23 17	11 10	2 36	4 43
S 8	8 46	0 7	4 45	3 11	0 45	25 10	3 17	17 36	0 25	23 22	0 0	22 22	0 23	21 5	0 33	3 42	1 21	25 59	4 51	23 19	23 17	11 7	2 37	4 43
M 9	9 9	5s55	5 1	2 48	1 1	25 22	3 20	17 48	0 25	23 23	0 0	22 21	0 23	21 5	0 33	3 41	1 21	25 59	4 51	23 19	23 17	11 4	2 38	4 43
T 10	9 31	11 35	4 56	2 30	1 15	25 34	3 22	18 1	0 26	23 23	0s 0	22 21	0 23	21 5	0 33	3 40	1 21	25 59	4 51	23 20	23 18	11 2	2 39	4 43
W11	9 53	16 32	4 33	2 19	1 28	25 45	3 25	18 13	0 27	23 24	0 0	22 21	0 23	21 5	0 33	3 39	1 21	25 59	4 51	23 21	23 18	10 59	2 40	4 42
T 12	10 15	20 28	3 54	2 14	1 39	25 55	3 27	18 26	0 27	23 24	0 0	22 21	0 23	21 4	0 33	3 38	1 21	25 59	4 51	23 21	23 18	10 56	2 41	4 42
F 13	10 37	23 8	3 3	2 14	1 48	26 5	3 29	18 38	0 28	23 25	0 0	22 20	0 23	21 4	0 33	3 38	1 21	25 59	4 51	23 22	23 18	10 53	2 42	4 42
S 14	10 58	24 28	2 3	2 20	1 56	26 14	3 31	18 49	0 28	23 25	0 0	22 20	0 23	21 4	0 33	3 37	1 21	25 58	4 51	23 22	23 18	10 51	2 43	4 42
S 15	11 20	24 26	0 58	2 30	2 2	26 22	3 33	19 1	0 29	23 26	0 1	22 19	0 23	21 4	0 33	3 36	1 21	25 58	4 51	23 22	23 19	10 48	2 44	4 41
M16	11 41	23 10	0n 7	2 45	2 7	26 30	3 34	19 13	0 30	23 27	0 1	22 19	0 23	21 4	0 33	3 36	1 21	25 58	4 51	23 22	23 19	10 45	2 44	4 41
T 17	12 2	20 50	1 11	3 4	2 10	26 37	3 36	19 24	0 30	23 27	0 1	22 19	0 23	21 4	0 33	3 35	1 21	25 58	4 50	23 22	23 19	10 42	2 45	4 41
W18	12 23	17 38	2 11	3 26	2 12	26 44	3 38	19 35	0 31	23 28	0 1	22 18	0 23	21 4	0 33	3 34	1 21	25 58	4 50	23 22	23 19	10 40	2 46	4 41
T 19	12 43	13 45	3 5	3 51	2 13	26 50	3 39	19 47	0 31	23 28	0 1	22 18	0 23	21 4	0 33	3 33	1 21	25 58	4 50	23 22	23 19	10 37	2 47	4 40
F 20	13 4	9 22	3 51	4 19	2 13	26 55	3 40	19 57	0 32	23 29	0 1	22 17	0 23	21 4	0 33	3 33	1 21	25 57	4 50	23 22	23 20	10 34	2 48	4 40
S 21	13 24	4 36	4 27	4 49	2 12	27 0	3 41	20 8	0 32	23 29	0 1	22 17	0 23	21 4	0 33	3 32	1 21	25 57	4 50	23 22	23 20	10 31	2 48	4 40
S 22	13 44	0n22	4 52	5 21	2 10	27 4	3 42	20 19	0 33	23 29	0 1	22 16	0 23	21 4	0 33	3 31	1 21	25 57	4 50	23 23	23 20	10 29	2 49	4 40
M23	14 4	5 25	5 4	5 55	2 7	27 8	3 43	20 29	0 33	23 30	0 1	22 16	0 24	21 4	0 33	3 31	1 21	25 57	4 50	23 23	23 20	10 26	2 50	4 39
T 24	14 24	10 20	5 1	6 29	2 4	27 10	3 43	20 39	0 34	23 30	0 2	22 15	0 24	21 4	0 33	3 30	1 21	25 57	4 50	23 24	23 20	10 23	2 51	4 39
W25	14 43	14 54	4 44	7 5	2 1	27 13	3 44	20 49	0 35	23 31	0 2	22 15	0 24	21 4	0 33	3 29	1 21	25 57	4 50	23 24	23 20	10 20	2 51	4 39
T 26	15 2	18 54	4 12	7 42	1 56	27 14	3 44	20 59	0 35	23 31	0 2	22 14	0 24	21 4	0 33	3 29	1 21	25 56	4 50	23 25	23 21	10 18	2 52	4 38
F 27	15 21	22 0	3 26	8 19	1 52	27 15	3 44	21 9	0 36	23 32	0 2	22 14	0 24	21 4	0 33	3 28	1 21	25 56	4 50	23 25	23 21	10 15	2 53	4 38
S 28	15 40	23 57	2 27	8 56	1 46	27 16	3 44	21 18	0 36	23 32	0 2	22 13	0 24	21 4	0 33	3 28	1 22	25 56	4 50	23 25	23 21	10 12	2 53	4 38
S 29	15 58	24 31	1 20	9 34	1 41	27 16	3 44	21 27	0 37	23 32	0 2	22 13	0 24	21 4	0 33	3 27	1 22	25 56	4 50	23 25	23 21	10 9	2 54	4 38
M30	16 16	23 34	0 7	10 12	1 35	27 15	3 43	21 37	0 37	23 33	0 2	22 12	0 24	21 4	0 33	3 26	1 22	25 56	4 50	23 25	23 21	10 7	2 55	4 37
T 31	16s34	21n11	1s 8	10s50	1n29	27s13	3s42	21s45	0s38	23s33	0s 2	22s11	0s24	21n 4	0n33	3n26	1n22	25s55	4s50	23s25	23s21	10s 4	2s55	4n37

Julian Day Number = 2190312.5, Delta T = 10m48s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'55, Lahiri = 13°52'55 Julian Calendar 1 Oct. 1284 == Greg. Calendar 8 Oct. 1284

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ASTRODIENST EPHEMERIS for the year 1284
geocentric

NOVEMBER 1284 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 11 41	16♏34'27	2♌ 3	3♏37	2♑53	5♐19	27♐52	21♑38	28°R36	24♍33	25♑13	5♑25	6♑45	23♒57	11°R43	W 1
T 2	3 15 37	17°35'04	16° 7	5°11	3°46	6° 3	28° 4	21°42	28♋36	24°35	25°13	5°R26	6°42	24° 4	11♓42	T 2
F 3	3 19 34	18°35'44	0♍16	6°45	4°39	6°48	28°16	21°47	28°36	24°36	25°14	5°25	6°39	24°11	11°42	F 3
S 4	3 23 30	19°36'25	14°28	8°20	5°30	7°33	28°29	21°51	28°35	24°38	25°15	5°23	6°36	24°17	11°41	S 4
S 5	3 27 27	20°37'08	28°41	9°54	6°21	8°17	28°41	21°56	28°35	24°39	25°16	5°18	6°33	24°24	11°41	S 5
M 6	3 31 23	21°37'53	12♎51	11°29	7°11	9° 2	28°53	22° 0	28°34	24°41	25°17	5°12	6°30	24°31	11°40	M 6
T 7	3 35 20	22°38'39	26°54	13° 3	8° 1	9°47	29° 6	22° 5	28°34	24°42	25°18	5° 5	6°26	24°37	11°40	T 7
W 8	3 39 16	23°39'27	10♏46	14°38	8°50	10°32	29°18	22°10	28°33	24°43	25°19	4°57	6°23	24°44	11°39	W 8
T 9	3 43 13	24°40'16	24°23	16°13	9°37	11°17	29°31	22°14	28°32	24°45	25°20	4°51	6°20	24°51	11°39	T 9
F 10	3 47 10	25°41'06	7♐42	17°47	10°24	12° 2	29°44	22°19	28°32	24°46	25°22	4°46	6°17	24°57	11°38	F 10
S 11	3 51 6	26°41'58	20°42	19°22	11°10	12°47	29°56	22°24	28°31	24°47	25°23	4°43	6°14	25° 4	11°38	S 11
S 12	3 55 3	27°42'51	3♑22	20°56	11°56	13°32	0♑ 9	22°29	28°30	24°49	25°24	4°D42	6°10	25°11	11°38	S 12
M13	3 58 59	28°43'44	15°45	22°31	12°40	14°17	0°22	22°34	28°29	24°50	25°25	4°43	6° 7	25°17	11°38	M13
T 14	4 2 56	29°44'39	27°53	24° 5	13°23	15° 3	0°35	22°40	28°28	24°51	25°26	4°44	6° 4	25°24	11°38	T 14
W15	4 6 52	0♐45'35	9♒51	25°39	14° 5	15°48	0°48	22°45	28°27	24°52	25°27	4°46	6° 1	25°31	11°D38	W15
T 16	4 10 49	1°46'31	21°42	27°13	14°46	16°33	1° 1	22°50	28°26	24°53	25°29	4°48	5°58	25°38	11°38	T 16
F 17	4 14 45	2°47'28	3♓33	28°48	15°25	17°19	1°14	22°55	28°25	24°54	25°30	4°R48	5°55	25°44	11°38	F 17
S 18	4 18 42	3°48'26	15°27	0♐22	16° 4	18° 4	1°27	23° 1	28°24	24°56	25°31	4°47	5°51	25°51	11°38	S 18
S 19	4 22 39	4°49'24	27°30	1°56	16°41	18°49	1°40	23° 6	28°23	24°57	25°32	4°45	5°48	25°58	11°38	S 19
M20	4 26 35	5°50'23	9♈47	3°30	17°17	19°35	1°54	23°12	28°21	24°58	25°34	4°42	5°45	26° 4	11°39	M20
T 21	4 30 32	6°51'23	22°20	5° 4	17°51	20°21	2° 7	23°18	28°20	24°59	25°35	4°37	5°42	26°11	11°39	T 21
W22	4 34 28	7°52'24	5♉13	6°39	18°24	21° 6	2°20	23°23	28°19	24°59	25°36	4°33	5°39	26°18	11°39	W22
T 23	4 38 25	8°53'25	18°26	8°13	18°55	21°52	2°33	23°29	28°17	25° 0	25°38	4°28	5°36	26°24	11°40	T 23
F 24	4 42 21	9°54'27	1♊58	9°47	19°25	22°37	2°47	23°35	28°16	25° 1	25°39	4°25	5°32	26°31	11°40	F 24
S 25	4 46 18	10°55'30	15°48	11°22	19°53	23°23	3° 0	23°41	28°14	25° 2	25°41	4°23	5°29	26°38	11°41	S 25
S 26	4 50 14	11°56'34	29°52	12°56	20°20	24° 9	3°14	23°46	28°13	25° 3	25°42	4°D22	5°26	26°44	11°42	S 26
M27	4 54 11	12°57'38	14♋ 6	14°31	20°45	24°55	3°27	23°52	28°11	25° 4	25°44	4°22	5°23	26°51	11°42	M27
T 28	4 58 8	13°58'44	28°25	16° 6	21° 8	25°41	3°41	23°58	28°10	25° 4	25°45	4°23	5°20	26°58	11°43	T 28
W29	5 2 4	14°59'50	12♌46	17°41	21°29	26°27	3°55	24° 4	28° 8	25° 5	25°47	4°24	5°16	27° 5	11°44	W29
T 30	5 6 1	16♐ 0'57	27♌ 5	19♐16	21♑48	27♐13	4♑ 8	24♑11	28♋ 6	25♍ 6	25♑48	4♑25	5♑13	27♒11	11♓45	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s51	17n32	2s19	11s28	1n23	27s12	3s42	21s54	0s38	23s33	0s 2	22s11	0s24	21n 4	0n33	3n25	1n22	25s55	4s50	23s25	23s22	10s 1	2s56	4n37
T 2	17 9	12 51	3 22	12 6	1 17	27 9	3 40	22 2	0 39	23 34	0 2	22 10	0 24	21 4	0 34	3 25	1 22	25 55	4 50	23 25	23 22	9 58	2 56	4 36
F 3	17 26	7 29	4 13	12 43	1 10	27 6	3 39	22 11	0 39	23 34	0 3	22 9	0 24	21 4	0 34	3 24	1 22	25 55	4 50	23 25	23 22	9 56	2 57	4 36
S 4	17 42	1 42	4 48	13 20	1 4	27 2	3 38	22 19	0 40	23 34	0 3	22 9	0 24	21 4	0 34	3 24	1 22	25 55	4 49	23 25	23 22	9 53	2 57	4 36
S 5	17 59	4s 9	5 7	13 56	0 57	26 58	3 36	22 26	0 40	23 34	0 3	22 8	0 24	21 4	0 34	3 23	1 22	25 54	4 49	23 26	23 22	9 50	2 58	4 35
M 6	18 15	9 47	5 6	14 32	0 50	26 54	3 34	22 34	0 41	23 34	0 3	22 7	0 24	21 5	0 34	3 22	1 22	25 54	4 49	23 26	23 22	9 47	2 58	4 35
T 7	18 30	14 51	4 47	15 8	0 44	26 49	3 32	22 41	0 41	23 35	0 3	22 7	0 24	21 5	0 34	3 22	1 22	25 54	4 49	23 26	23 23	9 45	2 59	4 35
W 8	18 46	19 5	4 11	15 42	0 37	26 43	3 29	22 48	0 42	23 35	0 3	22 6	0 24	21 5	0 34	3 21	1 22	25 54	4 49	23 26	23 23	9 42	2 59	4 34
T 9	19 1	22 11	3 21	16 17	0 30	26 37	3 27	22 55	0 42	23 35	0 3	22 5	0 24	21 5	0 34	3 21	1 22	25 53	4 49	23 27	23 23	9 39	3 0	4 34
F 10	19 15	24 0	2 22	16 50	0 23	26 30	3 24	23 2	0 43	23 35	0 3	22 4	0 24	21 5	0 34	3 20	1 22	25 53	4 49	23 27	23 23	9 36	3 0	4 34
S 11	19 30	24 28	1 16	17 23	0 16	26 23	3 20	23 8	0 43	23 35	0 3	22 4	0 24	21 5	0 34	3 20	1 22	25 53	4 49	23 27	23 23	9 34	3 1	4 34
S 12	19 44	23 37	0 7	17 55	0 9	26 16	3 17	23 14	0 44	23 35	0 3	22 3	0 24	21 6	0 34	3 20	1 22	25 53	4 49	23 27	23 23	9 31	3 1	4 33
M13	19 57	21 36	1n 0	18 26	0 2	26 8	3 13	23 20	0 44	23 35	0 4	22 2	0 24	21 6	0 34	3 19	1 22	25 52	4 49	23 27	23 23	9 28	3 1	4 33
T 14	20 10	18 39	2 3	18 56	0s 5	26 0	3 9	23 26	0 45	23 35	0 4	22 1	0 24	21 6	0 34	3 19	1 22	25 52	4 49	23 27	23 24	9 25	3 2	4 33
W15	20 23	14 57	3 0	19 26	0 11	25 51	3 5	23 31	0 45	23 35	0 4	22 0	0 24	21 6	0 34	3 18	1 22	25 52	4 49	23 27	23 24	9 23	3 2	4 32
T 16	20 36	10 43	3 49	19 54	0 18	25 42	3 0	23 36	0 46	23 35	0 4	22 0	0 25	21 7	0 34	3 18	1 22	25 52	4 49	23 27	23 24	9 20	3 2	4 32
F 17	20 48	6 5	4 28	20 22	0 24	25 32	2 55	23 41	0 46	23 35	0 4	21 59	0 25	21 7	0 34	3 18	1 22	25 51	4 49	23 27	23 24	9 17	3 2	4 32
S 18	21 0	1 13	4 56	20 49	0 31	25 23	2 50	23 46	0 47	23 35	0 4	21 58	0 25	21 7	0 34	3 17	1 23	25 51	4 49	23 27	23 24	9 14	3 3	4 31
S 19	21 11	3n45	5 11	21 14	0 37	25 12	2 44	23 51	0 47	23 35	0 4	21 57	0 25	21 7	0 34	3 17	1 23	25 51	4 49	23 27	23 24	9 11	3 3	4 31
M20	21 22	8 40	5 12	21 39	0 43	25 2	2 39	23 55	0 48	23 35	0 4	21 56	0 25	21 8	0 34	3 16	1 23	25 50	4 49	23 27	23 24	9 9	3 3	4 31
T 21	21 32	13 20	4 58	22 2	0 50	24 51	2 32	23 59	0 48	23 35	0 4	21 55	0 25	21 8	0 34	3 16	1 23	25 50	4 49	23 27	23 25	9 6	3 3	4 30
W22	21 42	17 32	4 30	22 25	0 56	24 40	2 26	24 2	0 48	23 35	0 4	21 54	0 25	21 8	0 34	3 16	1 23	25 50	4 49	23 27	23 25	9 3	3 3	4 30
T 23	21 52	21 0	3 46	22 46	1 1	24 29	2 19	24 6	0 49	23 35	0 4	21 53	0 25	21 9	0 34	3 15	1 23	25 50	4 49	23 27	23 25	9 0	3 3	4 30
F 24	22 1	23 23	2 49	23 7	1 7	24 17	2 12	24 9	0 49	23 35	0 5	21 52	0 25	21 9	0 34	3 15	1 23	25 49	4 49	23 27	23 25	8 58	3 4	4 30
S 25	22 10	24 26	1 40	23 26	1 13	24 6	2 4	24 12	0 50	23 35	0 5	21 51	0 25	21 9	0 34	3 15	1 23	25 49	4 49	23 28	23 25	8 55	3 4	4 29
S 26	22 19	23 57	0 25	23 44	1 18	23 54	1 56	24 14	0 50	23 34	0 5	21 50	0 25	21 10	0 34	3 15	1 23	25 49	4 49	23 28	23 25	8 52	3 4	4 29
M27	22 26	21 54	0s53	24 0	1 23	23 42	1 47	24 17	0 51	23 34	0 5	21 49	0 25	21 10	0 34	3 14	1 23	25 48	4 49	23 28	23 25	8 49	3 4	4 29
T 28	22 34	18 27	2 9	24 16	1 28	23 29	1 39	24 19	0 51	23 34	0 5	21 48	0 25	21 10	0 34	3 14	1 23	25 48	4 49	23 28	23 25	8 46	3 4	4 28
W29	22 41	13 54	3 16	24 30	1 33	23 17	1 29	24 20	0 51	23 33	0 5	21 47	0 25	21 11	0 34	3 14	1 23	25 48	4 49	23 28	23 26	8 44	3 4	4 28
T 30	22s48	8n36	4s11	24s43	1s37	23s 4	1s20	24s22	0s52	23s33	0s 5	21s46	0s25	21n11	0n34	3n14	1n23	25s48	4s49	23s27	23s26	8s41	3s 4	4n28

Julian Day Number = 2190343.5, Delta T = 10m48s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°45'59, Lahiri = 13°53'00 Julian Calendar 1 Nov. 1284 == Greg. Calendar 8 Nov. 1284

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ASTRODIENST EPHEMERIS for the year 1284
geocentric

DECEMBER 1284 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 9 57	17♐ 2'04	11♍18	20♐51	22♑ 5	27♐59	4♑22	24♑17	28°R 5	25♍ 7	25♑50	4°R26	5♑10	27♒18	11♓45	F 1
S 2	5 13 54	18° 3'13	25°24	22°26	22°20	28°45	4°35	24°23	28♋ 3	25° 7	25°51	4♑26	5° 7	27°25	11°46	S 2
S 3	5 17 50	19° 4'22	9♎22	24° 2	22°33	29°31	4°49	24°29	28° 1	25° 8	25°53	4°25	5° 4	27°31	11°47	S 3
M 4	5 21 47	20° 5'32	23° 9	25°38	22°44	0♑17	5° 3	24°35	27°59	25° 8	25°54	4°24	5° 1	27°38	11°49	M 4
T 5	5 25 43	21° 6'43	6♏45	27°14	22°52	1° 3	5°17	24°42	27°57	25° 9	25°56	4°22	4°57	27°45	11°50	T 5
W 6	5 29 40	22° 7'54	20° 8	28°50	22°58	1°50	5°31	24°48	27°55	25° 9	25°58	4°20	4°54	27°51	11°51	W 6
T 7	5 33 37	23° 9'06	3♐19	0♑26	23° 2	2°36	5°44	24°55	27°53	25°10	25°59	4°19	4°51	27°58	11°52	T 7
F 8	5 37 33	24°10'18	16°15	2° 3	23°R 4	3°22	5°58	25° 1	27°51	25°10	26° 1	4°18	4°48	28° 5	11°53	F 8
S 9	5 41 30	25°11'31	28°58	3°40	23° 3	4° 9	6°12	25° 8	27°49	25°10	26° 3	4°D17	4°45	28°12	11°55	S 9
S 10	5 45 26	26°12'44	11♑26	5°16	22°59	4°55	6°26	25°14	27°47	25°11	26° 4	4°17	4°42	28°18	11°56	S 10
M11	5 49 23	27°13'56	23°42	6°53	22°53	5°41	6°40	25°21	27°45	25°11	26° 6	4°18	4°38	28°25	11°58	M11
T 12	5 53 19	28°15'09	5♒47	8°31	22°45	6°28	6°54	25°27	27°43	25°11	26° 8	4°18	4°35	28°32	11°59	T 12
W13	5 57 16	29°16'22	17°44	10° 8	22°34	7°14	7° 8	25°34	27°41	25°12	26° 9	4°19	4°32	28°38	12° 1	W13
T 14	6 1 12	0♑17'34	29°35	11°45	22°20	8° 1	7°22	25°41	27°38	25°12	26°11	4°19	4°29	28°45	12° 2	T 14
F 15	6 5 9	1°18'47	11♓25	13°22	22° 4	8°48	7°36	25°47	27°36	25°12	26°13	4°20	4°26	28°52	12° 4	F 15
S 16	6 9 6	2°19'59	23°18	14°58	21°46	9°34	7°50	25°54	27°34	25°12	26°15	4°20	4°22	28°58	12° 6	S 16
S 17	6 13 2	3°21'10	5♈20	16°35	21°25	10°21	8° 4	26° 1	27°32	25°12	26°16	4°R20	4°19	29° 5	12° 7	S 17
M18	6 16 59	4°22'21	17°33	18°11	21° 2	11° 7	8°18	26° 8	27°29	25°12	26°18	4°D20	4°16	29°12	12° 9	M18
T 19	6 20 55	5°23'32	0♉ 4	19°47	20°37	11°54	8°32	26°14	27°27	25°R12	26°20	4°20	4°13	29°18	12°11	T 19
W20	6 24 52	6°24'43	12°55	21°21	20° 9	12°41	8°46	26°21	27°25	25°12	26°22	4°20	4°10	29°25	12°13	W20
T 21	6 28 48	7°25'53	26°10	22°55	19°40	13°28	9° 0	26°28	27°22	25°12	26°24	4°20	4° 7	29°32	12°15	T 21
F 22	6 32 45	8°27'03	9♊50	24°28	19° 9	14°14	9°14	26°35	27°20	25°12	26°25	4°21	4° 3	29°39	12°17	F 22
S 23	6 36 42	9°28'12	23°54	25°59	18°37	15° 1	9°28	26°42	27°17	25°12	26°27	4°21	4° 0	29°45	12°19	S 23
S 24	6 40 38	10°29'21	8♋18	27°29	18° 3	15°48	9°42	26°49	27°15	25°12	26°29	4°R21	3°57	29°52	12°21	S 24
M25	6 44 35	11°30'29	22°59	28°56	17°28	16°35	9°56	26°56	27°12	25°12	26°31	4°21	3°54	29°59	12°23	M25
T 26	6 48 31	12°31'37	7♌48	0♒20	16°52	17°22	10°10	27° 3	27°10	25°12	26°33	4°20	3°51	0♓ 5	12°26	T 26
W27	6 52 28	13°32'45	22°38	1°41	16°15	18° 9	10°24	27°10	27° 7	25°11	26°35	4°19	3°48	0°12	12°28	W27
T 28	6 56 24	14°33'52	7♍21	2°59	15°38	18°56	10°38	27°17	27° 5	25°11	26°36	4°18	3°44	0°19	12°30	T 28
F 29	7 0 21	15°34'59	21°53	4°12	15° 1	19°43	10°52	27°24	27° 2	25°11	26°38	4°17	3°41	0°26	12°32	F 29
S 30	7 4 17	16°36'06	6♎ 8	5°20	14°25	20°30	11° 6	27°31	27° 0	25°10	26°40	4°16	3°38	0°32	12°35	S 30
S 31	7 8 14	17♑37'12	20♎ 4	6♒22	13♑48	21♑17	11♑20	27♑38	26♋57	25♍10	26♑42	4°D16	3♑35	0♓39	12♓37	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s54	2n52	4s51	24s54	1s42	22s52	1s10	24s23	0s52	23s33	0s 5	21s45	0s25	21n11	0n35	3n13	1n23	25s47	4s49	23s27	23s26	8s38	3s 4	4n27
S 2	23 0	2s56	5 12	25 4	1 46	22 39	0 59	24 24	0 53	23 32	0 5	21 44	0 25	21 12	0 35	3 13	1 23	25 47	4 49	23 27	23 26	8 35	3 4	4 27
S 3	23 5	8 33	5 15	25 13	1 49	22 26	0 48	24 25	0 53	23 32	0 5	21 43	0 25	21 12	0 35	3 13	1 23	25 47	4 49	23 27	23 26	8 33	3 3	4 27
M 4	23 10	13 39	4 59	25 20	1 53	22 13	0 37	24 25	0 53	23 32	0 6	21 42	0 25	21 13	0 35	3 13	1 23	25 46	4 49	23 28	23 26	8 30	3 3	4 26
T 5	23 14	18 1	4 27	25 26	1 56	22 0	0 25	24 25	0 54	23 31	0 6	21 41	0 25	21 13	0 35	3 13	1 23	25 46	4 49	23 28	23 26	8 27	3 3	4 26
W 6	23 18	21 23	3 41	25 31	1 59	21 47	0 13	24 25	0 54	23 31	0 6	21 40	0 25	21 13	0 35	3 13	1 23	25 46	4 49	23 28	23 26	8 24	3 3	4 26
T 7	23 21	23 34	2 43	25 34	2 2	21 34	0 1	24 25	0 54	23 30	0 6	21 39	0 26	21 14	0 35	3 12	1 24	25 45	4 49	23 28	23 27	8 21	3 3	4 26
F 8	23 24	24 27	1 38	25 35	2 4	21 21	0n12	24 24	0 55	23 30	0 6	21 38	0 26	21 14	0 35	3 12	1 24	25 45	4 49	23 28	23 27	8 19	3 3	4 25
S 9	23 27	24 1	0 30	25 35	2 6	21 8	0 25	24 23	0 55	23 29	0 6	21 37	0 26	21 15	0 35	3 12	1 24	25 45	4 49	23 28	23 27	8 16	3 2	4 25
S 10	23 29	22 23	0n40	25 33	2 7	20 55	0 39	24 22	0 55	23 29	0 6	21 36	0 26	21 15	0 35	3 12	1 24	25 44	4 49	23 28	23 27	8 13	3 2	4 25
M11	23 30	19 43	1 46	25 29	2 8	20 43	0 53	24 20	0 56	23 28	0 6	21 34	0 26	21 16	0 35	3 12	1 24	25 44	4 49	23 28	23 27	8 10	3 2	4 24
T 12	23 31	16 13	2 46	25 24	2 9	20 30	1 7	24 18	0 56	23 27	0 6	21 33	0 26	21 16	0 35	3 12	1 24	25 44	4 49	23 28	23 27	8 8	3 1	4 24
W13	23 32	12 7	3 39	25 18	2 9	20 17	1 22	24 16	0 56	23 27	0 6	21 32	0 26	21 17	0 35	3 12	1 24	25 43	4 49	23 28	23 27	8 5	3 1	4 24
T 14	23 32	7 35	4 21	25 9	2 9	20 5	1 37	24 14	0 57	23 26	0 6	21 31	0 26	21 17	0 35	3 12	1 24	25 43	4 49	23 28	23 27	8 2	3 1	4 23
F 15	23 32	2 48	4 53	24 59	2 9	19 52	1 52	24 11	0 57	23 25	0 7	21 30	0 26	21 17	0 35	3 12	1 24	25 43	4 49	23 28	23 27	7 59	3 0	4 23
S 16	23 31	2n 6	5 12	24 48	2 7	19 40	2 7	24 8	0 57	23 25	0 7	21 28	0 26	21 18	0 35	3 12	1 24	25 42	4 49	23 28	23 28	7 56	3 0	4 23
S 17	23 29	6 59	5 17	24 34	2 6	19 28	2 23	24 5	0 58	23 24	0 7	21 27	0 26	21 18	0 35	3 12	1 24	25 42	4 49	23 28	23 28	7 54	3 0	4 23
M18	23 28	11 40	5 9	24 20	2 3	19 16	2 38	24 2	0 58	23 23	0 7	21 26	0 26	21 19	0 35	3 12	1 24	25 42	4 49	23 28	23 28	7 51	2 59	4 22
T 19	23 25	16 0	4 46	24 3	2 0	19 5	2 54	23 58	0 58	23 22	0 7	21 25	0 26	21 19	0 35	3 12	1 24	25 41	4 49	23 28	23 28	7 48	2 59	4 22
W20	23 23	19 43	4 8	23 45	1 57	18 53	3 10	23 54	0 59	23 22	0 7	21 24	0 26	21 20	0 35	3 12	1 24	25 41	4 49	23 28	23 28	7 45	2 58	4 22
T 21	23 19	22 33	3 17	23 25	1 52	18 42	3 25	23 49	0 59	23 21	0 7	21 22	0 26	21 20	0 35	3 12	1 24	25 41	4 49	23 28	23 28	7 42	2 58	4 21
F 22	23 16	24 11	2 12	23 4	1 47	18 31	3 41	23 45	0 59	23 20	0 7	21 21	0 26	21 21	0 35	3 12	1 24	25 41	4 49	23 28	23 28	7 40	2 57	4 21
S 23	23 12	24 21	0 58	22 41	1 41	18 20	3 56	23 40	0 59	23 19	0 7	21 20	0 26	21 21	0 35	3 12	1 24	25 40	4 49	23 28	23 28	7 37	2 57	4 21
S 24	23 7	22 54	0s22	22 17	1 35	18 10	4 11	23 35	1 0	23 18	0 7	21 18	0 26	21 22	0 35	3 12	1 24	25 40	4 49	23 28	23 28	7 34	2 56	4 21
M25	23 2	19 54	1 42	21 52	1 27	18 0	4 25	23 29	1 0	23 17	0 8	21 17	0 27	21 22	0 35	3 12	1 25	25 40	4 49	23 28	23 28	7 31	2 56	4 20
T 26	22 56	15 34	2 55	21 26	1 19	17 51	4 39	23 24	1 0	23 16	0 8	21 16	0 27	21 23	0 35	3 13	1 25	25 39	4 49	23 28	23 29	7 28	2 55	4 20
W27	22 50	10 17	3 57	20 59	1 9	17 41	4 53	23 18	1 0	23 15	0 8	21 15	0 27	21 23	0 35	3 13	1 25	25 39	4 49	23 28	23 29	7 26	2 54	4 20
T 28	22 44	4 28	4 43	20 31	0 59	17 33	5 6	23 11	1 1	23 14	0 8	21 13	0 27	21 24	0 35	3 13	1 25	25 39	4 49	23 28	23 29	7 23	2 54	4 20
F 29	22 37	1s30	5 9	20 3	0 48	17 24	5 19	23 5	1 1	23 13	0 8	21 12	0 27	21 24	0 35	3 13	1 25	25 38	4 49	23 28	23 29	7 20	2 53	4 19
S 30	22 30	7 17	5 17	19 35	0 35	17 16	5 31	22 58	1 1	23 12	0 8	21 11	0 27	21 25	0 35	3 13	1 25	25 38	4 49	23 28	23 29	7 17	2 52	4 19
S 31	22s22	12s34	5s 5	19s 7	0s22	17s 9	5n42	22s51	1s 1	23s11	0s 8	21s 9	0s27	21n25	0n35	3n13	1n25	25s38	4s49	23s28	23s29	7s15	2s52	4n19

Julian Day Number = 2190373.5, Delta T = 10m48s
Ecliptic obliquity = 23°31'56, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'03, Lahiri = 13°53'04 Julian Calendar 1 Dec. 1284 == Greg. Calendar 8 Dec. 1284

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ASTRODIENST EPHEMERIS for the year 1285
geocentric

JANUARY 1285 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 12 11	18♑38'19	3♏42	7♒17	13°R12	22♑ 4	11♑34	27♑45	26°R55	25°R10	26♑44	4♑16	3♑32	0♓46	12♓40	M 1
T 2	7 16 7	19°39'24	17° 1	8° 5	12♑38	22°51	11°48	27°52	26♋52	25♍ 9	26°46	4°17	3°28	0°52	12°42	T 2
W 3	7 20 4	20°40'30	0♐ 3	8°44	12° 4	23°38	12° 2	28° 0	26°49	25° 9	26°48	4°19	3°25	0°59	12°45	W 3
T 4	7 24 0	21°41'35	12°50	9°14	11°32	24°25	12°16	28° 7	26°47	25° 8	26°49	4°20	3°22	1° 6	12°47	T 4
F 5	7 27 57	22°42'39	25°25	9°34	11° 1	25°12	12°30	28°14	26°44	25° 8	26°51	4°21	3°19	1°12	12°50	F 5
S 6	7 31 53	23°43'43	7♑48	9°R43	10°32	26° 0	12°44	28°21	26°42	25° 7	26°53	4°R21	3°16	1°19	12°53	S 6
S 7	7 35 50	24°44'46	20° 2	9°41	10° 4	26°47	12°58	28°28	26°39	25° 7	26°55	4°20	3°13	1°26	12°55	S 7
M 8	7 39 46	25°45'48	2♒ 7	9°27	9°39	27°34	13°12	28°35	26°36	25° 6	26°57	4°18	3° 9	1°33	12°58	M 8
T 9	7 43 43	26°46'49	14° 6	9° 2	9°16	28°21	13°26	28°42	26°34	25° 5	26°59	4°15	3° 6	1°39	13° 1	T 9
W10	7 47 40	27°47'49	26° 0	8°26	8°55	29° 8	13°40	28°50	26°31	25° 5	27° 1	4°11	3° 3	1°46	13° 4	W10
T 11	7 51 36	28°48'48	7♓51	7°40	8°37	29°56	13°54	28°57	26°28	25° 4	27° 3	4° 7	3° 0	1°53	13° 6	T 11
F 12	7 55 33	29°49'45	19°41	6°45	8°21	0♒43	14° 7	29° 4	26°26	25° 3	27° 5	4° 2	2°57	1°59	13° 9	F 12
S 13	7 59 29	0♒50'41	1♈34	5°42	8° 7	1°30	14°21	29°11	26°23	25° 2	27° 6	3°59	2°54	2° 6	13°12	S 13
S 14	8 3 26	1°51'36	13°34	4°34	7°56	2°18	14°35	29°18	26°21	25° 1	27° 8	3°56	2°50	2°13	13°15	S 14
M15	8 7 22	2°52'30	25°44	3°22	7°47	3° 5	14°49	29°25	26°18	25° 1	27°10	3°54	2°47	2°19	13°18	M15
T 16	8 11 19	3°53'22	8♉ 9	2° 8	7°41	3°52	15° 2	29°33	26°15	25° 0	27°12	3°D54	2°44	2°26	13°21	T 16
W17	8 15 15	4°54'13	20°53	0°55	7°37	4°39	15°16	29°40	26°13	24°59	27°14	3°55	2°41	2°33	13°24	W17
T 18	8 19 12	5°55'02	4♊ 1	29♑45	7°D35	5°27	15°30	29°47	26°10	24°58	27°16	3°57	2°38	2°40	13°27	T 18
F 19	8 23 9	6°55'50	17°36	28°39	7°36	6°14	15°43	29°54	26° 8	24°57	27°18	3°58	2°34	2°46	13°31	F 19
S 20	8 27 5	7°56'37	1♋39	27°38	7°40	7° 2	15°57	0♒ 1	26° 5	24°56	27°20	3°R59	2°31	2°53	13°34	S 20
S 21	8 31 2	8°57'21	16° 8	26°44	7°46	7°49	16°10	0° 8	26° 2	24°55	27°22	3°59	2°28	3° 0	13°37	S 21
M22	8 34 58	9°58'05	1♌ 1	25°58	7°54	8°36	16°24	0°15	26° 0	24°54	27°23	3°56	2°25	3° 6	13°40	M22
T 23	8 38 55	10°58'47	16° 8	25°19	8° 4	9°24	16°37	0°22	25°57	24°53	27°25	3°52	2°22	3°13	13°43	T 23
W24	8 42 51	11°59'27	1♍22	24°49	8°17	10°11	16°51	0°30	25°55	24°52	27°27	3°47	2°19	3°20	13°47	W24
T 25	8 46 48	13° 0'06	16°31	24°26	8°31	10°58	17° 4	0°37	25°52	24°51	27°29	3°41	2°15	3°26	13°50	T 25
F 26	8 50 44	14° 0'44	1♎25	24°12	8°48	11°46	17°17	0°44	25°50	24°49	27°31	3°35	2°12	3°33	13°53	F 26
S 27	8 54 41	15° 1'20	15°58	24°D 5	9° 7	12°33	17°31	0°51	25°48	24°48	27°33	3°30	2° 9	3°40	13°56	S 27
S 28	8 58 38	16° 1'56	0♏ 6	24° 5	9°27	13°20	17°44	0°58	25°45	24°47	27°34	3°27	2° 6	3°47	14° 0	S 28
M29	9 2 34	17° 2'30	13°47	24°12	9°50	14° 8	17°57	1° 5	25°43	24°46	27°36	3°D26	2° 3	3°53	14° 3	M29
T 30	9 6 31	18° 3'03	27° 2	24°26	10°14	14°55	18°10	1°12	25°40	24°45	27°38	3°26	2° 0	4° 0	14° 7	T 30
W31	9 10 27	19♒ 3'35	9♐55	24♑46	10♑41	15♒43	18♑23	1♒19	25♋38	24♍43	27♑40	3♑27	1♑56	4♓ 7	14♓10	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s14	17s 7	4s36	18s39	0s 8	17s 2	5n52	22s44	1s 2	23s10	0s 8	21s 8	0s27	21n26	0n35	3n14	1n25	25s37	4s49	23s28	23s29	7s12	2s51	4n19
T 2	22 5	20 42	3 53	18 12	0n 7	16 55	6 2	22 36	1 2	23 9	0 8	21 7	0 27	21 26	0 35	3 14	1 25	25 37	4 49	23 28	23 29	7 9	2 50	4 18
W 3	21 56	23 9	2 59	17 46	0 23	16 49	6 11	22 28	1 2	23 8	0 8	21 5	0 27	21 27	0 35	3 14	1 25	25 37	4 50	23 28	23 29	7 6	2 50	4 18
T 4	21 47	24 21	1 56	17 22	0 40	16 44	6 19	22 20	1 2	23 6	0 9	21 4	0 27	21 27	0 35	3 14	1 25	25 36	4 50	23 28	23 29	7 3	2 49	4 18
F 5	21 37	24 16	0 49	17 0	0 58	16 39	6 27	22 12	1 2	23 5	0 9	21 2	0 27	21 28	0 35	3 15	1 25	25 36	4 50	23 28	23 29	7 1	2 48	4 18
S 6	21 26	22 59	0n19	16 40	1 15	16 35	6 33	22 3	1 3	23 4	0 9	21 1	0 27	21 28	0 35	3 15	1 25	25 36	4 50	23 28	23 30	6 58	2 47	4 17
S 7	21 16	20 37	1 25	16 24	1 34	16 31	6 39	21 54	1 3	23 3	0 9	21 0	0 27	21 29	0 35	3 15	1 25	25 35	4 50	23 28	23 30	6 55	2 46	4 17
M 8	21 4	17 22	2 27	16 10	1 52	16 28	6 44	21 45	1 3	23 1	0 9	20 58	0 27	21 30	0 35	3 16	1 25	25 35	4 50	23 28	23 30	6 52	2 46	4 17
T 9	20 53	13 27	3 22	15 59	2 9	16 25	6 48	21 36	1 3	23 0	0 9	20 57	0 28	21 30	0 35	3 16	1 25	25 35	4 50	23 28	23 30	6 49	2 45	4 17
W10	20 41	9 2	4 7	15 52	2 27	16 23	6 52	21 26	1 3	22 59	0 9	20 55	0 28	21 31	0 35	3 16	1 25	25 35	4 50	23 28	23 30	6 47	2 44	4 17
T 11	20 29	4 18	4 41	15 48	2 43	16 21	6 54	21 17	1 3	22 58	0 9	20 54	0 28	21 31	0 35	3 16	1 25	25 34	4 50	23 28	23 30	6 44	2 43	4 16
F 12	20 16	0n33	5 4	15 48	2 57	16 20	6 56	21 7	1 4	22 56	0 9	20 53	0 28	21 32	0 35	3 17	1 25	25 34	4 50	23 28	23 30	6 41	2 42	4 16
S 13	20 3	5 25	5 13	15 51	3 10	16 20	6 58	20 56	1 4	22 55	0 10	20 51	0 28	21 32	0 35	3 17	1 26	25 34	4 50	23 28	23 30	6 38	2 41	4 16
S 14	19 49	10 7	5 9	15 56	3 21	16 20	6 59	20 46	1 4	22 53	0 10	20 50	0 28	21 33	0 35	3 18	1 26	25 33	4 50	23 28	23 30	6 35	2 40	4 16
M15	19 36	14 30	4 51	16 5	3 30	16 20	6 59	20 35	1 4	22 52	0 10	20 48	0 28	21 33	0 35	3 18	1 26	25 33	4 50	23 28	23 30	6 33	2 39	4 15
T 16	19 21	18 22	4 19	16 15	3 36	16 21	6 58	20 24	1 4	22 51	0 10	20 47	0 28	21 34	0 35	3 18	1 26	25 33	4 51	23 28	23 30	6 30	2 38	4 15
W17	19 7	21 29	3 34	16 27	3 40	16 22	6 57	20 13	1 4	22 49	0 10	20 46	0 28	21 34	0 35	3 19	1 26	25 32	4 51	23 28	23 30	6 27	2 37	4 15
T 18	18 52	23 36	2 37	16 41	3 41	16 24	6 56	20 1	1 4	22 48	0 10	20 44	0 28	21 35	0 35	3 19	1 26	25 32	4 51	23 28	23 30	6 24	2 36	4 15
F 19	18 37	24 25	1 28	16 55	3 40	16 26	6 54	19 50	1 4	22 46	0 10	20 43	0 28	21 35	0 35	3 20	1 26	25 32	4 51	23 28	23 30	6 21	2 35	4 15
S 20	18 21	23 44	0 13	17 10	3 37	16 28	6 51	19 38	1 4	22 45	0 10	20 41	0 28	21 36	0 35	3 20	1 26	25 32	4 51	23 28	23 30	6 19	2 34	4 14
S 21	18 5	21 28	1s 6	17 25	3 32	16 31	6 48	19 26	1 5	22 43	0 10	20 40	0 28	21 36	0 35	3 20	1 26	25 31	4 51	23 28	23 31	6 16	2 33	4 14
M22	17 49	17 42	2 22	17 41	3 25	16 34	6 45	19 13	1 5	22 42	0 10	20 38	0 28	21 36	0 35	3 21	1 26	25 31	4 51	23 28	23 31	6 13	2 32	4 14
T 23	17 33	12 44	3 29	17 56	3 17	16 37	6 41	19 1	1 5	22 40	0 11	20 37	0 29	21 37	0 35	3 21	1 26	25 31	4 51	23 29	23 31	6 10	2 31	4 14
W24	17 16	6 57	4 22	18 10	3 8	16 40	6 37	18 48	1 5	22 39	0 11	20 35	0 29	21 37	0 35	3 22	1 26	25 30	4 51	23 29	23 31	6 7	2 30	4 14
T 25	16 59	0 48	4 56	18 24	2 57	16 43	6 33	18 35	1 5	22 37	0 11	20 34	0 29	21 38	0 35	3 22	1 26	25 30	4 51	23 29	23 31	6 5	2 29	4 14
F 26	16 41	5s18	5 10	18 38	2 46	16 47	6 28	18 22	1 5	22 35	0 11	20 32	0 29	21 38	0 35	3 23	1 26	25 30	4 52	23 29	23 31	6 2	2 28	4 13
S 27	16 24	10 57	5 3	18 50	2 35	16 51	6 23	18 9	1 5	22 34	0 11	20 31	0 29	21 39	0 35	3 23	1 26	25 30	4 52	23 29	23 31	5 59	2 27	4 13
S 28	16 6	15 52	4 37	19 2	2 23	16 54	6 18	17 55	1 5	22 32	0 11	20 30	0 29	21 39	0 35	3 24	1 26	25 29	4 52	23 29	23 31	5 56	2 26	4 13
M29	15 47	19 48	3 57	19 12	2 11	16 58	6 13	17 41	1 5	22 31	0 11	20 28	0 29	21 40	0 35	3 24	1 26	25 29	4 52	23 29	23 31	5 53	2 24	4 13
T 30	15 29	22 34	3 4	19 22	1 59	17 2	6 7	17 27	1 5	22 29	0 11	20 27	0 29	21 40	0 35	3 25	1 26	25 29	4 52	23 29	23 31	5 51	2 23	4 13
W31	15s10	24s 4	2s 4	19s31	1n46	17s 6	6n 2	17s13	1s 5	22s27	0s12	20s25	0s29	21n41	0n35	3n25	1n26	25s29	4s52	23s29	23s31	5s48	2s22	4n13

Julian Day Number = 2190404.5, Delta T = 10m48s
Ecliptic obliquity = 23°31'56, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'07, Lahiri = 13°53'08 Julian Calendar 1 Jan. 1285 == Greg. Calendar 8 Jan. 1285

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ASTRODIENST EPHEMERIS for the year 1285
geocentric

FEBRUARY 1285 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 14 24	20♒ 4'05	22♐30	25♑11	11♑ 8	16♒30	18♑36	1♒26	25°R36	24°R42	27♑42	3♑29	1♑53	4♓13	14♓13	T 1
F 2	9 18 20	21° 4'34	4♑50	25°41	11°38	17°17	18°49	1°32	25♋33	24♍41	27°43	3°R29	1°50	4°20	14°17	F 2
S 3	9 22 17	22° 5'02	17° 0	26°17	12° 9	18° 5	19° 2	1°39	25°31	24°40	27°45	3°28	1°47	4°27	14°20	S 3
S 4	9 26 13	23° 5'28	29° 1	26°56	12°41	18°52	19°15	1°46	25°29	24°38	27°47	3°25	1°44	4°34	14°24	S 4
M 5	9 30 10	24° 5'52	10♒57	27°40	13°15	19°40	19°28	1°53	25°27	24°37	27°49	3°19	1°40	4°40	14°27	M 5
T 6	9 34 7	25° 6'15	22°50	28°27	13°50	20°27	19°41	2° 0	25°24	24°35	27°50	3°11	1°37	4°47	14°31	T 6
W 7	9 38 3	26° 6'35	4♓41	29°18	14°26	21°14	19°53	2° 7	25°22	24°34	27°52	3° 1	1°34	4°54	14°34	W 7
T 8	9 42 0	27° 6'55	16°33	0♒12	15° 4	22° 2	20° 6	2°13	25°20	24°33	27°54	2°50	1°31	5° 0	14°38	T 8
F 9	9 45 56	28° 7'12	28°25	1° 9	15°43	22°49	20°19	2°20	25°18	24°31	27°55	2°39	1°28	5° 7	14°42	F 9
S 10	9 49 53	29° 7'27	10♈22	2° 9	16°23	23°36	20°31	2°27	25°16	24°30	27°57	2°29	1°25	5°14	14°45	S 10
S 11	9 53 49	0♓ 7'40	22°24	3°11	17° 5	24°24	20°44	2°33	25°14	24°28	27°59	2°20	1°21	5°21	14°49	S 11
M12	9 57 46	1° 7'51	4♉34	4°16	17°47	25°11	20°56	2°40	25°12	24°27	28° 0	2°14	1°18	5°27	14°52	M12
T 13	10 1 42	2° 8'01	16°57	5°23	18°30	25°58	21° 8	2°47	25°10	24°25	28° 2	2°11	1°15	5°34	14°56	T 13
W14	10 5 39	3° 8'08	29°37	6°32	19°14	26°46	21°21	2°53	25° 8	24°24	28° 4	2°D10	1°12	5°41	15° 0	W14
T 15	10 9 36	4° 8'13	12♊37	7°44	20° 0	27°33	21°33	3° 0	25° 6	24°22	28° 5	2°10	1° 9	5°47	15° 3	T 15
F 16	10 13 32	5° 8'15	26° 1	8°57	20°46	28°20	21°45	3° 6	25° 4	24°21	28° 7	2°R11	1° 5	5°54	15° 7	F 16
S 17	10 17 29	6° 8'16	9♋53	10°12	21°33	29° 7	21°57	3°12	25° 3	24°19	28° 8	2°10	1° 2	6° 1	15°11	S 17
S 18	10 21 25	7° 8'14	24°13	11°29	22°21	29°55	22° 9	3°19	25° 1	24°18	28°10	2° 9	0°59	6° 7	15°14	S 18
M19	10 25 22	8° 8'11	9♌ 0	12°47	23° 9	0♓42	22°21	3°25	24°59	24°16	28°11	2° 4	0°56	6°14	15°18	M19
T 20	10 29 18	9° 8'05	24° 8	14° 7	23°59	1°29	22°32	3°31	24°57	24°14	28°13	1°57	0°53	6°21	15°22	T 20
W21	10 33 15	10° 7'56	9♍27	15°29	24°49	2°16	22°44	3°38	24°56	24°13	28°15	1°48	0°50	6°28	15°25	W21
T 22	10 37 11	11° 7'46	24°48	16°52	25°40	3° 4	22°56	3°44	24°54	24°11	28°16	1°38	0°46	6°34	15°29	T 22
F 23	10 41 8	12° 7'34	9♎57	18°16	26°32	3°51	23° 7	3°50	24°53	24°10	28°17	1°28	0°43	6°41	15°33	F 23
S 24	10 45 5	13° 7'20	24°46	19°42	27°24	4°38	23°19	3°56	24°51	24° 8	28°19	1°19	0°40	6°48	15°36	S 24
S 25	10 49 1	14° 7'05	9♏ 7	21° 9	28°17	5°25	23°30	4° 2	24°50	24° 6	28°20	1°12	0°37	6°54	15°40	S 25
M26	10 52 58	15° 6'47	22°58	22°38	29°11	6°12	23°41	4° 8	24°48	24° 5	28°22	1° 8	0°34	7° 1	15°44	M26
T 27	10 56 54	16° 6'28	6♐20	24° 8	0♒ 5	6°59	23°52	4°14	24°47	24° 3	28°23	1° 6	0°31	7° 8	15°48	T 27
W28	11 0 51	17♓ 6'07	19♐15	25♒39	0♒59	7♓46	24♑ 4	4♒20	24♋46	24♍ 2	28♑25	1°D 6	0♑27	7♓15	15♓51	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s51	24s18	0s59	19s38	1n34	17s 9	5n56	16s59	1s 5	22s26	0s12	20s24	0s29	21n41	0n35	3n26	1n26	25s28	4s52	23s29	23s31	5s45	2s21	4n12
F 2	14 32	23 19	0n 7	19 45	1 22	17 13	5 50	16 45	1 5	22 24	0 12	20 22	0 29	21 41	0 35	3 27	1 26	25 28	4 52	23 29	23 31	5 42	2 20	4 12
S 3	14 12	21 15	1 12	19 50	1 10	17 16	5 44	16 30	1 5	22 22	0 12	20 21	0 29	21 42	0 35	3 27	1 26	25 28	4 53	23 29	23 31	5 39	2 19	4 12
S 4	13 52	18 16	2 13	19 54	0 58	17 20	5 37	16 15	1 5	22 20	0 12	20 19	0 30	21 42	0 35	3 28	1 26	25 28	4 53	23 29	23 31	5 37	2 17	4 12
M 5	13 32	14 33	3 8	19 57	0 47	17 23	5 31	16 0	1 5	22 19	0 12	20 18	0 30	21 43	0 35	3 28	1 26	25 28	4 53	23 29	23 31	5 34	2 16	4 12
T 6	13 12	10 17	3 53	19 59	0 35	17 26	5 24	15 45	1 5	22 17	0 12	20 17	0 30	21 43	0 35	3 29	1 27	25 27	4 53	23 30	23 31	5 31	2 15	4 12
W 7	12 52	5 39	4 29	19 59	0 24	17 29	5 18	15 30	1 5	22 15	0 12	20 15	0 30	21 43	0 35	3 29	1 27	25 27	4 53	23 30	23 31	5 28	2 14	4 12
T 8	12 31	0 50	4 53	19 58	0 14	17 31	5 11	15 15	1 5	22 14	0 12	20 14	0 30	21 44	0 35	3 30	1 27	25 27	4 53	23 30	23 31	5 25	2 12	4 12
F 9	12 10	4n 1	5 4	19 56	0 3	17 34	5 4	14 59	1 5	22 12	0 13	20 12	0 30	21 44	0 35	3 31	1 27	25 27	4 53	23 30	23 31	5 23	2 11	4 11
S 10	11 49	8 44	5 2	19 52	0s 7	17 36	4 58	14 43	1 5	22 10	0 13	20 11	0 30	21 45	0 35	3 31	1 27	25 26	4 53	23 31	23 31	5 20	2 10	4 11
S 11	11 28	13 10	4 46	19 48	0 17	17 38	4 51	14 27	1 5	22 8	0 13	20 9	0 30	21 45	0 35	3 32	1 27	25 26	4 54	23 31	23 32	5 17	2 9	4 11
M12	11 7	17 8	4 18	19 41	0 26	17 39	4 44	14 11	1 5	22 7	0 13	20 8	0 30	21 45	0 35	3 32	1 27	25 26	4 54	23 31	23 32	5 14	2 7	4 11
T 13	10 45	20 26	3 37	19 34	0 35	17 41	4 37	13 55	1 5	22 5	0 13	20 7	0 30	21 46	0 35	3 33	1 27	25 26	4 54	23 31	23 32	5 11	2 6	4 11
W14	10 24	22 49	2 45	19 25	0 44	17 42	4 30	13 39	1 4	22 3	0 13	20 5	0 31	21 46	0 35	3 34	1 27	25 26	4 54	23 31	23 32	5 9	2 5	4 11
T 15	10 2	24 5	1 42	19 15	0 52	17 42	4 23	13 23	1 4	22 1	0 13	20 4	0 31	21 46	0 35	3 34	1 27	25 26	4 54	23 31	23 32	5 6	2 3	4 11
F 16	9 40	24 1	0 33	19 4	1 0	17 42	4 16	13 6	1 4	21 59	0 13	20 2	0 31	21 47	0 35	3 35	1 27	25 25	4 54	23 31	23 32	5 3	2 2	4 11
S 17	9 18	22 29	0s41	18 51	1 8	17 42	4 9	12 49	1 4	21 58	0 14	20 1	0 31	21 47	0 35	3 36	1 27	25 25	4 55	23 31	23 32	5 0	2 1	4 11
S 18	8 55	19 28	1 55	18 37	1 15	17 42	4 2	12 33	1 4	21 56	0 14	19 59	0 31	21 47	0 35	3 36	1 27	25 25	4 55	23 31	23 32	4 57	1 59	4 10
M19	8 33	15 8	3 3	18 21	1 22	17 41	3 55	12 16	1 4	21 54	0 14	19 58	0 31	21 47	0 35	3 37	1 27	25 25	4 55	23 31	23 32	4 55	1 58	4 10
T 20	8 11	9 46	3 59	18 4	1 29	17 39	3 48	11 59	1 4	21 52	0 14	19 57	0 31	21 48	0 35	3 37	1 27	25 25	4 55	23 31	23 32	4 52	1 57	4 10
W21	7 48	3 44	4 40	17 46	1 35	17 38	3 41	11 42	1 4	21 50	0 14	19 55	0 31	21 48	0 35	3 38	1 27	25 25	4 55	23 31	23 32	4 49	1 55	4 10
T 22	7 25	2s31	5 0	17 26	1 40	17 36	3 34	11 24	1 3	21 49	0 14	19 54	0 31	21 48	0 35	3 39	1 27	25 24	4 55	23 31	23 32	4 46	1 54	4 10
F 23	7 2	8 32	4 59	17 5	1 46	17 33	3 27	11 7	1 3	21 47	0 14	19 53	0 31	21 49	0 35	3 39	1 27	25 24	4 56	23 31	23 32	4 43	1 53	4 10
S 24	6 39	13 55	4 37	16 43	1 51	17 30	3 20	10 50	1 3	21 45	0 15	19 51	0 32	21 49	0 35	3 40	1 27	25 24	4 56	23 32	23 32	4 41	1 51	4 10
S 25	6 16	18 22	3 59	16 19	1 55	17 26	3 13	10 32	1 3	21 43	0 15	19 50	0 32	21 49	0 35	3 41	1 27	25 24	4 56	23 32	23 32	4 38	1 50	4 10
M26	5 53	21 36	3 8	15 54	1 59	17 22	3 6	10 15	1 3	21 41	0 15	19 49	0 32	21 49	0 35	3 41	1 27	25 24	4 56	23 32	23 32	4 35	1 49	4 10
T 27	5 30	23 32	2 7	15 28	2 3	17 18	2 59	9 57	1 3	21 40	0 15	19 47	0 32	21 50	0 35	3 42	1 27	25 24	4 56	23 32	23 32	4 32	1 47	4 10
W28	5s 7	24s 8	1s 2	15s 0	2s 6	17s13	2n52	9s39	1s 2	21s38	0s15	19s46	0s32	21n50	0n35	3n43	1n27	25s24	4s56	23s32	23s32	4s29	1s46	4n10

Julian Day Number = 2190435.5, Delta T = 10m48s
Ecliptic obliquity = 23°31'56, Nutation = 0°00'19, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'12, Lahiri = 13°53'12 Julian Calendar 1 Feb. 1285 == Greg. Calendar 8 Feb. 1285

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ASTRODIENST EPHEMERIS for the year 1285
geocentric

MARCH 1285 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 4 47	18♓ 5'45	1♉48	27♒12	1♒55	8♓33	24♉15	4♒26	24°R44	24°R 0	28♉26	1°R 6	0♉24	7♓21	15♓55	T 1
F 2	11 8 44	19° 5'20	14° 3	28°46	2°51	9°20	24°25	4°32	24♋43	23♍58	28°27	1♉ 5	0°21	7°28	15°59	F 2
S 3	11 12 40	20° 4'54	26° 6	0♓21	3°47	10° 7	24°36	4°38	24°42	23°57	28°28	1° 3	0°18	7°35	16° 2	S 3
S 4	11 16 37	21° 4'26	8♒ 1	1°58	4°44	10°54	24°47	4°43	24°41	23°55	28°30	0°58	0°15	7°41	16° 6	S 4
M 5	11 20 34	22° 3'56	19°52	3°36	5°41	11°41	24°58	4°49	24°40	23°53	28°31	0°50	0°11	7°48	16°10	M 5
T 6	11 24 30	23° 3'24	1♓42	5°15	6°39	12°28	25° 8	4°54	24°39	23°52	28°32	0°39	0° 8	7°55	16°13	T 6
W 7	11 28 27	24° 2'50	13°33	6°55	7°37	13°15	25°18	5° 0	24°38	23°50	28°34	0°26	0° 5	8° 2	16°17	W 7
T 8	11 32 23	25° 2'14	25°27	8°37	8°36	14° 2	25°29	5° 5	24°37	23°48	28°35	0°11	0° 2	8° 8	16°21	T 8
F 9	11 36 20	26° 1'36	7♈25	10°20	9°35	14°49	25°39	5°11	24°36	23°47	28°36	29♐57	29♐59	8°15	16°24	F 9
S 10	11 40 16	27° 0'56	19°29	12° 5	10°34	15°35	25°49	5°16	24°35	23°45	28°37	29°43	29°56	8°22	16°28	S 10
S 11	11 44 13	28° 0'13	1♉39	13°50	11°34	16°22	25°59	5°21	24°34	23°43	28°38	29°32	29°52	8°28	16°32	S 11
M12	11 48 9	28°59'29	13°57	15°38	12°34	17° 9	26° 9	5°27	24°34	23°42	28°39	29°23	29°49	8°35	16°35	M12
T 13	11 52 6	29°58'42	26°26	17°26	13°34	17°56	26°19	5°32	24°33	23°40	28°40	29°17	29°46	8°42	16°39	T 13
W14	11 56 2	0♈57'53	9♊ 8	19°16	14°35	18°42	26°28	5°37	24°32	23°38	28°41	29°15	29°43	8°49	16°43	W14
T 15	11 59 59	1°57'02	22° 7	21° 7	15°36	19°29	26°38	5°42	24°32	23°37	28°42	29°14	29°40	8°55	16°46	T 15
F 16	12 3 56	2°56'08	5♋26	23° 0	16°37	20°16	26°47	5°47	24°31	23°35	28°43	29°14	29°37	9° 2	16°50	F 16
S 17	12 7 52	3°55'12	19° 8	24°54	17°39	21° 2	26°56	5°52	24°31	23°33	28°44	29°13	29°33	9° 9	16°53	S 17
S 18	12 11 49	4°54'13	3♌15	26°50	18°41	21°49	27° 5	5°56	24°30	23°32	28°45	29°11	29°30	9°15	16°57	S 18
M19	12 15 45	5°53'12	17°46	28°47	19°43	22°35	27°15	6° 1	24°30	23°30	28°46	29° 6	29°27	9°22	17° 0	M19
T 20	12 19 42	6°52'09	2♍39	0♈45	20°46	23°22	27°23	6° 6	24°30	23°29	28°47	28°59	29°24	9°29	17° 4	T 20
W21	12 23 38	7°51'03	17°46	2°44	21°49	24° 8	27°32	6°10	24°29	23°27	28°48	28°50	29°21	9°36	17° 7	W21
T 22	12 27 35	8°49'56	2♎58	4°45	22°52	24°55	27°41	6°15	24°29	23°25	28°49	28°39	29°17	9°42	17°11	T 22
F 23	12 31 31	9°48'46	18° 4	6°47	23°55	25°41	27°49	6°19	24°29	23°24	28°50	28°28	29°14	9°49	17°14	F 23
S 24	12 35 28	10°47'34	2♏55	8°51	24°59	26°27	27°58	6°24	24°29	23°22	28°51	28°18	29°11	9°56	17°18	S 24
S 25	12 39 25	11°46'20	17°21	10°55	26° 3	27°14	28° 6	6°28	24°D29	23°21	28°51	28°11	29° 8	10° 2	17°21	S 25
M26	12 43 21	12°45'05	1♐20	13° 0	27° 7	28° 0	28°14	6°32	24°29	23°19	28°52	28° 6	29° 5	10° 9	17°25	M26
T 27	12 47 18	13°43'48	14°48	15° 6	28°11	28°46	28°22	6°36	24°29	23°18	28°53	28° 3	29° 2	10°16	17°28	T 27
W28	12 51 14	14°42'29	27°49	17°12	29°16	29°32	28°30	6°41	24°29	23°16	28°54	28°D 3	28°58	10°23	17°32	W28
T 29	12 55 11	15°41'08	10♉26	19°19	0♓20	0♈19	28°38	6°45	24°29	23°15	28°54	28°R 3	28°55	10°29	17°35	T 29
F 30	12 59 7	16°39'46	22°44	21°26	1°25	1° 5	28°45	6°48	24°30	23°13	28°55	28° 3	28°52	10°36	17°38	F 30
S 31	13 3 4	17♈38'22	4♒48	23♈33	2♓30	1♈51	28♉53	6♒52	24♋30	23♍12	28♉56	28♐ 1	28♐49	10♓43	17♓42	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s43	23s27	0n 4	14s31	2s 9	17s 8	2n45	9s21	1s 2	21s36	0s15	19s45	0s32	21n50	0n35	3n43	1n27	25s24	4s57	23s32	23s32	4s27	1s44	4n10
F 2	4 20	21 40	1 8	14 0	2 11	17 2	2 38	9 3	1 2	21 34	0 15	19 43	0 32	21 50	0 35	3 44	1 27	25 23	4 57	23 32	23 32	4 24	1 43	4 10
S 3	3 57	18 55	2 8	13 28	2 13	16 56	2 31	8 45	1 2	21 32	0 15	19 42	0 32	21 50	0 35	3 45	1 27	25 23	4 57	23 32	23 32	4 21	1 42	4 10
S 4	3 33	15 24	3 2	12 55	2 15	16 49	2 25	8 27	1 2	21 31	0 16	19 41	0 32	21 51	0 35	3 45	1 27	25 23	4 57	23 32	23 32	4 18	1 40	4 10
M 5	3 10	11 19	3 47	12 20	2 16	16 42	2 18	8 9	1 1	21 29	0 16	19 40	0 32	21 51	0 35	3 46	1 27	25 23	4 57	23 32	23 32	4 15	1 39	4 10
T 6	2 46	6 49	4 23	11 44	2 17	16 34	2 11	7 51	1 1	21 27	0 16	19 38	0 33	21 51	0 35	3 47	1 27	25 23	4 58	23 32	23 32	4 13	1 37	4 10
W 7	2 22	2 5	4 47	11 7	2 17	16 25	2 5	7 33	1 1	21 25	0 16	19 37	0 33	21 51	0 35	3 47	1 27	25 23	4 58	23 32	23 32	4 10	1 36	4 10
T 8	1 59	2n45	4 58	10 29	2 17	16 17	1 58	7 14	1 1	21 24	0 16	19 36	0 33	21 51	0 35	3 48	1 27	25 23	4 58	23 32	23 32	4 7	1 35	4 9
F 9	1 35	7 30	4 57	9 49	2 16	16 7	1 52	6 56	1 0	21 22	0 16	19 35	0 33	21 51	0 35	3 49	1 27	25 23	4 58	23 32	23 32	4 4	1 33	4 9
S 10	1 11	12 0	4 42	9 8	2 14	15 58	1 46	6 38	1 0	21 20	0 17	19 34	0 33	21 51	0 35	3 49	1 27	25 23	4 58	23 32	23 32	4 2	1 32	4 9
S 11	0 48	16 4	4 14	8 25	2 13	15 48	1 39	6 19	1 0	21 18	0 17	19 32	0 33	21 52	0 35	3 50	1 27	25 23	4 59	23 32	23 32	3 59	1 30	4 9
M12	0 24	19 30	3 35	7 42	2 11	15 37	1 33	6 1	1 0	21 17	0 17	19 31	0 33	21 52	0 35	3 51	1 27	25 23	4 59	23 32	23 32	3 56	1 29	4 9
T 13	0 1	22 5	2 44	6 57	2 8	15 26	1 27	5 42	0 59	21 15	0 17	19 30	0 33	21 52	0 35	3 51	1 27	25 23	4 59	23 32	23 32	3 53	1 28	4 9
W14	0n23	23 37	1 44	6 10	2 5	15 14	1 21	5 23	0 59	21 13	0 17	19 29	0 33	21 52	0 35	3 52	1 27	25 23	4 59	23 32	23 32	3 50	1 26	4 9
T 15	0 47	23 55	0 38	5 23	2 1	15 2	1 15	5 5	0 59	21 12	0 17	19 28	0 34	21 52	0 35	3 53	1 27	25 23	4 59	23 32	23 32	3 48	1 25	4 9
F 16	1 10	22 53	0s33	4 34	1 57	14 49	1 9	4 46	0 59	21 10	0 17	19 27	0 34	21 52	0 35	3 53	1 27	25 23	5 0	23 32	23 32	3 45	1 23	4 9
S 17	1 34	20 28	1 43	3 44	1 52	14 36	1 3	4 27	0 58	21 8	0 18	19 26	0 34	21 52	0 35	3 54	1 27	25 23	5 0	23 32	23 32	3 42	1 22	4 9
S 18	1 57	16 46	2 49	2 54	1 46	14 23	0 57	4 9	0 58	21 7	0 18	19 24	0 34	21 52	0 35	3 55	1 27	25 23	5 0	23 32	23 32	3 39	1 21	4 9
M19	2 21	11 58	3 46	2 2	1 41	14 9	0 51	3 50	0 58	21 5	0 18	19 23	0 34	21 52	0 35	3 55	1 27	25 23	5 0	23 32	23 32	3 36	1 19	4 9
T 20	2 44	6 22	4 30	1 9	1 34	13 55	0 45	3 31	0 57	21 3	0 18	19 22	0 34	21 52	0 34	3 56	1 27	25 23	5 0	23 32	23 32	3 34	1 18	4 9
W21	3 8	0 20	4 55	0 15	1 27	13 40	0 40	3 13	0 57	21 2	0 18	19 21	0 34	21 52	0 34	3 57	1 27	25 23	5 1	23 32	23 32	3 31	1 16	4 10
T 22	3 31	5s46	5 0	0n40	1 20	13 24	0 34	2 54	0 57	21 0	0 18	19 20	0 34	21 52	0 34	3 57	1 27	25 23	5 1	23 32	23 32	3 28	1 15	4 10
F 23	3 54	11 28	4 43	1 36	1 12	13 9	0 29	2 35	0 56	20 59	0 19	19 19	0 35	21 52	0 34	3 58	1 27	25 23	5 1	23 31	23 32	3 25	1 14	4 10
S 24	4 17	16 24	4 8	2 32	1 4	12 53	0 24	2 16	0 56	20 57	0 19	19 18	0 35	21 52	0 34	3 58	1 27	25 23	5 1	23 31	23 32	3 23	1 12	4 10
S 25	4 40	20 14	3 18	3 29	0 55	12 36	0 18	1 57	0 56	20 56	0 19	19 17	0 35	21 52	0 34	3 59	1 27	25 23	5 1	23 31	23 32	3 20	1 11	4 10
M26	5 3	22 44	2 16	4 27	0 46	12 19	0 13	1 39	0 55	20 54	0 19	19 16	0 35	21 52	0 34	4 0	1 27	25 23	5 2	23 31	23 32	3 17	1 10	4 10
T 27	5 26	23 49	1 10	5 25	0 36	12 2	0 8	1 20	0 55	20 53	0 19	19 16	0 35	21 52	0 34	4 0	1 27	25 23	5 2	23 31	23 32	3 14	1 8	4 10
W28	5 49	23 32	0 1	6 23	0 26	11 44	0 3	1 1	0 55	20 51	0 19	19 15	0 35	21 52	0 34	4 1	1 27	25 23	5 2	23 31	23 32	3 11	1 7	4 10
T 29	6 12	22 2	1n 5	7 21	0 16	11 26	0s 2	0 42	0 54	20 50	0 20	19 14	0 35	21 52	0 34	4 1	1 27	25 23	5 2	23 31	23 32	3 9	1 6	4 10
F 30	6 34	19 31	2 7	8 18	0 5	11 7	0 7	0 24	0 54	20 49	0 20	19 13	0 35	21 52	0 34	4 2	1 27	25 23	5 2	23 31	23 32	3 6	1 4	4 10
S 31	6n57	16s12	3n 2	9n16	0n 5	10s48	0s11	0s 5	0s53	20s47	0s20	19s12	0s36	21n52	0n34	4n 3	1n27	25s23	5s 3	23s31	23s32	3s 3	1s 3	4n10

Julian Day Number = 2190463.5, Delta T = 10m47s
Ecliptic obliquity = 23°31'56, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'16, Lahiri = 13°53'16 Julian Calendar 1 March 1285 == Greg. Calendar 8 March 1285

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ASTRODIENST EPHEMERIS for the year 1285
geocentric

APRIL 1285 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 7 0	18♈36'56	16♒43	25♈39	3♓36	2♈37	29♉ 0	6♒56	24♋30	23°R10	28♉56	27°R58	28♐46	10♓49	17♓45	S 1
M 2	13 10 57	19°35'29	28°33	27°45	4°41	3°23	29° 7	7° 0	24°31	23♍ 9	28°57	27♐52	28°42	10°56	17°48	M 2
T 3	13 14 54	20°33'59	10♓23	29°50	5°47	4° 9	29°14	7° 3	24°31	23° 7	28°57	27°43	28°39	11° 3	17°51	T 3
W 4	13 18 50	21°32'28	22°16	1♉53	6°53	4°55	29°21	7° 7	24°32	23° 6	28°58	27°32	28°36	11°10	17°55	W 4
T 5	13 22 47	22°30'55	4♈15	3°55	7°59	5°40	29°28	7°10	24°32	23° 4	28°58	27°20	28°33	11°16	17°58	T 5
F 6	13 26 43	23°29'21	16°20	5°54	9° 5	6°26	29°34	7°14	24°33	23° 3	28°59	27° 8	28°30	11°23	18° 1	F 6
S 7	13 30 40	24°27'44	28°34	7°52	10°11	7°12	29°41	7°17	24°34	23° 2	28°59	26°57	28°27	11°30	18° 4	S 7
S 8	13 34 36	25°26'06	10♉57	9°47	11°17	7°58	29°47	7°20	24°34	23° 0	29° 0	26°47	28°23	11°36	18° 7	S 8
M 9	13 38 33	26°24'26	23°29	11°39	12°24	8°43	29°53	7°23	24°35	22°59	29° 0	26°40	28°20	11°43	18°10	M 9
T 10	13 42 29	27°22'44	6♊13	13°28	13°31	9°29	29°59	7°26	24°36	22°58	29° 0	26°36	28°17	11°50	18°13	T 10
W11	13 46 26	28°21'00	19° 8	15°14	14°38	10°15	0♒ 5	7°29	24°37	22°56	29° 1	26°34	28°14	11°57	18°16	W11
T 12	13 50 22	29°19'13	2♋16	16°56	15°45	11° 0	0°10	7°32	24°38	22°55	29° 1	26°D34	28°11	12° 3	18°19	T 12
F 13	13 54 19	0♉17'25	15°40	18°35	16°52	11°46	0°16	7°34	24°39	22°54	29° 1	26°35	28° 8	12°10	18°22	F 13
S 14	13 58 16	1°15'35	29°21	20° 9	17°59	12°31	0°21	7°37	24°40	22°53	29° 2	26°R35	28° 4	12°17	18°25	S 14
S 15	14 2 12	2°13'43	13♌20	21°40	19° 6	13°17	0°26	7°40	24°41	22°51	29° 2	26°35	28° 1	12°23	18°28	S 15
M16	14 6 9	3°11'48	27°37	23° 7	20°14	14° 2	0°31	7°42	24°42	22°50	29° 2	26°32	27°58	12°30	18°31	M16
T 17	14 10 5	4° 9'52	12♍11	24°30	21°21	14°47	0°36	7°44	24°43	22°49	29° 2	26°28	27°55	12°37	18°34	T 17
W18	14 14 2	5° 7'54	26°55	25°49	22°29	15°33	0°40	7°47	24°44	22°48	29° 2	26°22	27°52	12°44	18°37	W18
T 19	14 17 58	6° 5'53	11♎45	27° 4	23°37	16°18	0°45	7°49	24°46	22°47	29° 2	26°14	27°48	12°50	18°39	T 19
F 20	14 21 55	7° 3'51	26°32	28°14	24°45	17° 3	0°49	7°51	24°47	22°46	29° 3	26° 6	27°45	12°57	18°42	F 20
S 21	14 25 51	8° 1'48	11♏ 7	29°20	25°53	17°48	0°53	7°53	24°48	22°45	29° 3	26° 0	27°42	13° 4	18°45	S 21
S 22	14 29 48	8°59'43	25°25	0♊22	27° 1	18°33	0°57	7°55	24°50	22°44	29° 3	25°54	27°39	13°11	18°47	S 22
M23	14 33 45	9°57'36	9♐19	1°19	28° 9	19°18	1° 1	7°56	24°51	22°43	29°R 3	25°51	27°36	13°17	18°50	M23
T 24	14 37 41	10°55'28	22°48	2°11	29°18	20° 3	1° 4	7°58	24°53	22°42	29° 3	25°D50	27°33	13°24	18°53	T 24
W25	14 41 38	11°53'19	5♑51	2°59	0♈26	20°48	1° 8	8° 0	24°54	22°41	29° 3	25°50	27°29	13°31	18°55	W25
T 26	14 45 34	12°51'08	18°32	3°42	1°35	21°33	1°11	8° 1	24°56	22°40	29° 2	25°52	27°26	13°37	18°58	T 26
F 27	14 49 31	13°48'56	0♒54	4°21	2°43	22°18	1°14	8° 3	24°58	22°39	29° 2	25°53	27°23	13°44	19° 0	F 27
S 28	14 53 27	14°46'43	13° 1	4°54	3°52	23° 2	1°17	8° 4	24°59	22°38	29° 2	25°R54	27°20	13°51	19° 3	S 28
S 29	14 57 24	15°44'29	24°58	5°23	5° 1	23°47	1°20	8° 5	25° 1	22°37	29° 2	25°53	27°17	13°58	19° 5	S 29
M30	15 1 20	16♉42'13	6♓50	5♊47	6♈10	24♈32	1♒22	8♒ 6	25♋ 3	22♍36	29♉ 2	25♐51	27♐14	14♓ 4	19♓ 7	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n19	12s16	3n48	10n12	0n16	10s29	0s16	0n14	0s53	20s46	0s20	19s11	0s36	21n52	0n34	4n 3	1n27	25s23	5s 3	23s31	23s32	3s 0	1s 2	4n10
M 2	7 42	7 54	4 24	11 8	0 27	10 9	0 21	0 33	0 53	20 45	0 20	19 10	0 36	21 52	0 34	4 4	1 27	25 23	5 3	23 31	23 32	2 57	1 0	4 10
T 3	8 4	3 15	4 49	12 3	0 38	9 49	0 25	0 51	0 52	20 43	0 20	19 10	0 36	21 52	0 34	4 4	1 27	25 23	5 3	23 31	23 32	2 55	0 59	4 10
W 4	8 26	1n32	5 1	12 57	0 49	9 29	0 29	1 10	0 52	20 42	0 21	19 9	0 36	21 52	0 34	4 5	1 27	25 24	5 4	23 31	23 31	2 52	0 58	4 10
T 5	8 48	6 17	5 0	13 49	1 0	9 8	0 34	1 29	0 51	20 41	0 21	19 8	0 36	21 51	0 34	4 5	1 27	25 24	5 4	23 30	23 31	2 49	0 56	4 10
F 6	9 9	10 50	4 46	14 39	1 10	8 47	0 38	1 47	0 51	20 40	0 21	19 7	0 36	21 51	0 34	4 6	1 27	25 24	5 4	23 30	23 31	2 46	0 55	4 10
S 7	9 31	15 1	4 18	15 27	1 21	8 25	0 42	2 6	0 51	20 38	0 21	19 7	0 37	21 51	0 34	4 6	1 27	25 24	5 4	23 30	23 31	2 44	0 54	4 10
S 8	9 52	18 37	3 38	16 14	1 30	8 4	0 46	2 24	0 50	20 37	0 21	19 6	0 37	21 51	0 34	4 7	1 27	25 24	5 4	23 30	23 31	2 41	0 52	4 10
M 9	10 14	21 25	2 47	16 58	1 40	7 42	0 50	2 43	0 50	20 36	0 21	19 5	0 37	21 51	0 34	4 8	1 27	25 24	5 5	23 29	23 31	2 38	0 51	4 11
T 10	10 35	23 11	1 47	17 40	1 48	7 20	0 53	3 1	0 49	20 35	0 22	19 5	0 37	21 51	0 34	4 8	1 27	25 24	5 5	23 29	23 31	2 35	0 50	4 11
W11	10 56	23 45	0 40	18 19	1 57	6 57	0 57	3 19	0 49	20 34	0 22	19 4	0 37	21 50	0 34	4 9	1 27	25 24	5 5	23 29	23 31	2 32	0 49	4 11
T 12	11 16	23 0	0s31	18 56	2 4	6 34	1 1	3 38	0 48	20 33	0 22	19 4	0 37	21 50	0 34	4 9	1 27	25 25	5 5	23 29	23 31	2 30	0 47	4 11
F 13	11 37	20 57	1 41	19 31	2 11	6 11	1 4	3 56	0 48	20 32	0 22	19 3	0 37	21 50	0 34	4 9	1 27	25 25	5 6	23 29	23 31	2 27	0 46	4 11
S 14	11 57	17 39	2 46	20 3	2 17	5 48	1 7	4 14	0 47	20 31	0 22	19 2	0 38	21 50	0 34	4 10	1 27	25 25	5 6	23 29	23 31	2 24	0 45	4 11
S 15	12 18	13 18	3 44	20 33	2 22	5 25	1 11	4 32	0 47	20 30	0 23	19 2	0 38	21 50	0 34	4 10	1 27	25 25	5 6	23 29	23 31	2 21	0 44	4 11
M16	12 38	8 8	4 29	21 0	2 27	5 1	1 14	4 50	0 47	20 29	0 23	19 1	0 38	21 49	0 34	4 11	1 27	25 25	5 6	23 29	23 31	2 19	0 42	4 11
T 17	12 57	2 27	4 57	21 24	2 31	4 37	1 17	5 8	0 46	20 28	0 23	19 1	0 38	21 49	0 34	4 11	1 27	25 25	5 6	23 29	23 31	2 16	0 41	4 11
W18	13 17	3s27	5 6	21 46	2 33	4 13	1 20	5 26	0 46	20 28	0 23	19 1	0 38	21 49	0 34	4 12	1 27	25 26	5 7	23 29	23 31	2 13	0 40	4 11
T 19	13 36	9 11	4 55	22 6	2 35	3 48	1 22	5 44	0 45	20 27	0 23	19 0	0 38	21 49	0 34	4 12	1 27	25 26	5 7	23 29	23 31	2 10	0 39	4 12
F 20	13 55	14 23	4 25	22 23	2 36	3 24	1 25	6 2	0 45	20 26	0 24	19 0	0 38	21 48	0 34	4 13	1 27	25 26	5 7	23 28	23 31	2 8	0 38	4 12
S 21	14 14	18 39	3 37	22 37	2 36	2 59	1 28	6 20	0 44	20 25	0 24	18 59	0 38	21 48	0 34	4 13	1 27	25 26	5 7	23 28	23 31	2 5	0 37	4 12
S 22	14 33	21 43	2 37	22 50	2 35	2 34	1 30	6 38	0 44	20 25	0 24	18 59	0 39	21 48	0 34	4 13	1 27	25 26	5 8	23 28	23 31	2 2	0 35	4 12
M23	14 51	23 23	1 28	23 0	2 33	2 9	1 33	6 55	0 43	20 24	0 24	18 59	0 39	21 48	0 34	4 14	1 27	25 27	5 8	23 28	23 31	1 59	0 34	4 12
T 24	15 10	23 37	0 16	23 8	2 30	1 44	1 35	7 13	0 43	20 24	0 24	18 58	0 39	21 47	0 34	4 14	1 27	25 27	5 8	23 28	23 31	1 57	0 33	4 12
W25	15 28	22 30	0n54	23 13	2 26	1 19	1 37	7 30	0 42	20 23	0 25	18 58	0 39	21 47	0 34	4 14	1 27	25 27	5 8	23 28	23 30	1 54	0 32	4 12
T 26	15 45	20 16	2 0	23 17	2 21	0 53	1 39	7 47	0 42	20 22	0 25	18 58	0 39	21 47	0 34	4 15	1 26	25 27	5 8	23 28	23 30	1 51	0 31	4 12
F 27	16 3	17 8	2 58	23 18	2 15	0 28	1 41	8 5	0 41	20 22	0 25	18 58	0 39	21 46	0 34	4 15	1 26	25 28	5 9	23 28	23 30	1 48	0 30	4 12
S 28	16 20	13 20	3 48	23 18	2 8	0 2	1 43	8 22	0 41	20 22	0 25	18 57	0 40	21 46	0 34	4 15	1 26	25 28	5 9	23 28	23 30	1 45	0 29	4 13
S 29	16 37	9 4	4 26	23 15	2 0	0n24	1 45	8 39	0 40	20 21	0 25	18 57	0 40	21 46	0 34	4 16	1 26	25 28	5 9	23 28	23 30	1 43	0 28	4 13
M30	16n54	4s29	4n53	23n10	1n51	0n49	1s47	8n56	0s39	20s21	0s26	18s57	0s40	21n45	0n34	4n16	1n26	25s28	5s 9	23s28	23s30	1s40	0s27	4n13

Julian Day Number = 2190494.5, Delta T = 10m47s
Ecliptic obliquity = 23°31'56, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'20, Lahiri = 13°53'20 Julian Calendar 1 Apr. 1285 == Greg. Calendar 8 Apr. 1285

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ASTRODIENST EPHEMERIS for the year 1285
geocentric

MAY 1285 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 5 17	17♉39'56	18♓43	6♊ 6	7♈19	25♈16	1♒24	8♒ 7	25♋ 5	22°R35	29°R 2	25°R48	27♐10	14♓11	19♓10	T 1
W 2	15 9 14	18°37'39	0♈39	6°21	8°28	26° 1	1°26	8° 8	25° 7	22♍35	29♑ 1	25♐42	27° 7	14°18	19°12	W 2
T 3	15 13 10	19°35'20	12°42	6°30	9°37	26°45	1°28	8° 9	25° 9	22°34	29° 1	25°36	27° 4	14°24	19°14	T 3
F 4	15 17 7	20°33'00	24°55	6°R35	10°46	27°30	1°30	8°10	25°11	22°33	29° 1	25°30	27° 1	14°31	19°16	F 4
S 5	15 21 3	21°30'38	7♉20	6°35	11°55	28°14	1°32	8°10	25°13	22°33	29° 1	25°24	26°58	14°38	19°18	S 5
S 6	15 25 0	22°28'16	19°57	6°30	13° 5	28°58	1°33	8°11	25°15	22°32	29° 0	25°19	26°54	14°45	19°20	S 6
M 7	15 28 56	23°25'52	2♊47	6°21	14°14	29°43	1°34	8°11	25°17	22°31	29° 0	25°16	26°51	14°51	19°22	M 7
T 8	15 32 53	24°23'28	15°51	6° 8	15°24	0♉27	1°35	8°12	25°19	22°31	28°59	25°14	26°48	14°58	19°24	T 8
W 9	15 36 49	25°21'02	29° 7	5°51	16°33	1°11	1°36	8°12	25°21	22°30	28°59	25°D14	26°45	15° 5	19°26	W 9
T 10	15 40 46	26°18'34	12♋35	5°30	17°43	1°55	1°37	8°12	25°24	22°30	28°59	25°15	26°42	15°11	19°28	T 10
F 11	15 44 43	27°16'05	26°15	5° 6	18°52	2°39	1°37	8°R12	25°26	22°29	28°58	25°16	26°39	15°18	19°30	F 11
S 12	15 48 39	28°13'35	10♌ 7	4°39	20° 2	3°23	1°37	8°12	25°28	22°29	28°58	25°18	26°35	15°25	19°32	S 12
S 13	15 52 36	29°11'04	24° 9	4° 9	21°12	4° 7	1°R37	8°12	25°31	22°28	28°57	25°R18	26°32	15°32	19°34	S 13
M14	15 56 32	0♊ 8'31	8♍21	3°38	22°22	4°51	1°37	8°12	25°33	22°28	28°56	25°18	26°29	15°38	19°35	M14
T 15	16 0 29	1° 5'57	22°40	3° 5	23°32	5°35	1°37	8°11	25°36	22°27	28°56	25°17	26°26	15°45	19°37	T 15
W16	16 4 25	2° 3'21	7♎ 3	2°32	24°42	6°19	1°36	8°11	25°38	22°27	28°55	25°15	26°23	15°52	19°39	W16
T 17	16 8 22	3° 0'44	21°26	1°58	25°52	7° 2	1°35	8°10	25°41	22°27	28°55	25°12	26°19	15°59	19°40	T 17
F 18	16 12 18	3°58'07	5♏46	1°25	27° 2	7°46	1°34	8°10	25°43	22°26	28°54	25° 9	26°16	16° 5	19°42	F 18
S 19	16 16 15	4°55'28	19°55	0°53	28°12	8°30	1°33	8° 9	25°46	22°26	28°53	25° 7	26°13	16°12	19°43	S 19
S 20	16 20 12	5°52'48	3♐51	0°22	29°22	9°13	1°32	8° 8	25°48	22°26	28°53	25° 5	26°10	16°19	19°45	S 20
M21	16 24 8	6°50'08	17°29	29♉53	0♉33	9°57	1°31	8° 7	25°51	22°26	28°52	25° 4	26° 7	16°25	19°46	M21
T 22	16 28 5	7°47'26	0♑48	29°27	1°43	10°40	1°29	8° 6	25°54	22°25	28°51	25°D 4	26° 4	16°32	19°47	T 22
W23	16 32 1	8°44'44	13°46	29° 4	2°53	11°23	1°27	8° 5	25°57	22°25	28°50	25° 4	26° 0	16°39	19°49	W23
T 24	16 35 58	9°42'02	26°25	28°43	4° 4	12° 7	1°25	8° 4	25°59	22°25	28°50	25° 6	25°57	16°46	19°50	T 24
F 25	16 39 54	10°39'19	8♒48	28°27	5°14	12°50	1°23	8° 3	26° 2	22°25	28°49	25° 7	25°54	16°52	19°51	F 25
S 26	16 43 51	11°36'35	20°56	28°15	6°25	13°33	1°20	8° 1	26° 5	22°25	28°48	25° 8	25°51	16°59	19°52	S 26
S 27	16 47 48	12°33'51	2♓56	28° 6	7°35	14°16	1°18	8° 0	26° 8	22°D25	28°47	25° 9	25°48	17° 6	19°53	S 27
M28	16 51 44	13°31'07	14°50	28°D 2	8°46	14°59	1°15	7°58	26°11	22°25	28°46	25°R 9	25°45	17°12	19°54	M28
T 29	16 55 41	14°28'22	26°43	28° 3	9°57	15°42	1°12	7°56	26°14	22°25	28°45	25° 9	25°41	17°19	19°55	T 29
W30	16 59 37	15°25'37	8♈41	28° 8	11° 7	16°25	1° 9	7°55	26°17	22°25	28°45	25° 8	25°38	17°26	19°56	W30
T 31	17 3 34	16♊22'52	20♈47	28♉18	12♉18	17♉ 8	1♒ 5	7♒53	26♋20	22♍25	28♑44	25♐ 7	25♐35	17♓33	19♓57	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n10	0n14	5n 8	23n 4	1n41	1n15	1s48	9n13	0s39	20s21	0s26	18s57	0s40	21n45	0n34	4n16	1n26	25s29	5s10	23s28	23s30	1s37	0s26	4n13
W 2	17 26	4 59	5 9	22 55	1 30	1 41	1 50	9 29	0 38	20 20	0 26	18 57	0 40	21 45	0 33	4 17	1 26	25 29	5 10	23 28	23 30	1 34	0 25	4 13
T 3	17 42	9 35	4 57	22 45	1 17	2 7	1 51	9 46	0 38	20 20	0 26	18 57	0 40	21 44	0 33	4 17	1 26	25 29	5 10	23 28	23 30	1 32	0 24	4 13
F 4	17 57	13 52	4 31	22 33	1 4	2 33	1 53	10 3	0 37	20 20	0 26	18 57	0 40	21 44	0 33	4 17	1 26	25 29	5 10	23 27	23 30	1 29	0 23	4 13
S 5	18 13	17 39	3 52	22 19	0 51	2 59	1 54	10 19	0 37	20 20	0 27	18 57	0 41	21 43	0 33	4 17	1 26	25 30	5 10	23 27	23 30	1 26	0 22	4 14
S 6	18 28	20 42	3 1	22 4	0 36	3 25	1 55	10 35	0 36	20 20	0 27	18 57	0 41	21 43	0 33	4 18	1 26	25 30	5 11	23 27	23 30	1 23	0 21	4 14
M 7	18 42	22 45	2 0	21 47	0 20	3 51	1 56	10 52	0 36	20 20	0 27	18 57	0 41	21 43	0 33	4 18	1 26	25 30	5 11	23 27	23 30	1 21	0 20	4 14
T 8	18 56	23 37	0 51	21 29	0 4	4 17	1 57	11 8	0 35	20 20	0 27	18 57	0 41	21 42	0 33	4 18	1 26	25 30	5 11	23 27	23 30	1 18	0 19	4 14
W 9	19 10	23 10	0s21	21 10	0s12	4 43	1 58	11 24	0 34	20 20	0 27	18 57	0 41	21 42	0 33	4 18	1 26	25 31	5 11	23 27	23 30	1 15	0 18	4 14
T 10	19 24	21 23	1 34	20 49	0 29	5 9	1 58	11 39	0 34	20 20	0 28	18 57	0 41	21 41	0 33	4 18	1 26	25 31	5 11	23 27	23 29	1 12	0 17	4 14
F 11	19 37	18 20	2 42	20 28	0 46	5 35	1 59	11 55	0 33	20 20	0 28	18 57	0 41	21 41	0 33	4 19	1 26	25 31	5 12	23 27	23 29	1 10	0 16	4 15
S 12	19 51	14 13	3 42	20 6	1 4	6 1	1 59	12 11	0 33	20 20	0 28	18 57	0 42	21 40	0 33	4 19	1 26	25 32	5 12	23 27	23 29	1 7	0 15	4 15
S 13	20 3	9 18	4 29	19 44	1 21	6 27	2 0	12 26	0 32	20 20	0 28	18 57	0 42	21 40	0 33	4 19	1 26	25 32	5 12	23 27	23 29	1 4	0 15	4 15
M14	20 16	3 50	5 0	19 21	1 38	6 53	2 0	12 42	0 31	20 20	0 28	18 58	0 42	21 39	0 33	4 19	1 26	25 32	5 12	23 27	23 29	1 1	0 14	4 15
T 15	20 28	1s52	5 14	18 58	1 55	7 18	2 0	12 57	0 31	20 21	0 29	18 58	0 42	21 39	0 33	4 19	1 26	25 33	5 12	23 27	23 29	0 59	0 13	4 15
W16	20 39	7 30	5 7	18 36	2 12	7 44	2 1	13 12	0 30	20 21	0 29	18 58	0 42	21 39	0 33	4 19	1 26	25 33	5 13	23 27	23 29	0 56	0 12	4 15
T 17	20 50	12 44	4 42	18 14	2 28	8 9	2 1	13 27	0 30	20 21	0 29	18 58	0 42	21 38	0 33	4 19	1 26	25 33	5 13	23 27	23 29	0 53	0 11	4 16
F 18	21 1	17 14	3 59	17 52	2 43	8 35	2 1	13 42	0 29	20 22	0 29	18 59	0 42	21 38	0 33	4 19	1 26	25 34	5 13	23 27	23 29	0 50	0 11	4 16
S 19	21 12	20 42	3 2	17 32	2 57	9 0	2 0	13 56	0 28	20 22	0 30	18 59	0 43	21 37	0 33	4 19	1 26	25 34	5 13	23 26	23 29	0 48	0 10	4 16
S 20	21 22	22 52	1 54	17 13	3 10	9 25	2 0	14 11	0 28	20 23	0 30	18 59	0 43	21 37	0 33	4 20	1 26	25 34	5 13	23 26	23 29	0 45	0 9	4 16
M21	21 32	23 38	0 42	16 55	3 22	9 50	2 0	14 25	0 27	20 23	0 30	19 0	0 43	21 36	0 33	4 20	1 26	25 35	5 14	23 26	23 28	0 42	0 9	4 16
T 22	21 42	23 0	0n32	16 39	3 33	10 15	2 0	14 40	0 27	20 24	0 30	19 0	0 43	21 35	0 33	4 20	1 26	25 35	5 14	23 26	23 28	0 40	0 8	4 16
W23	21 51	21 8	1 41	16 25	3 42	10 39	1 59	14 54	0 26	20 25	0 30	19 1	0 43	21 35	0 33	4 20	1 26	25 35	5 14	23 26	23 28	0 37	0 7	4 17
T 24	21 59	18 15	2 45	16 12	3 50	11 4	1 58	15 8	0 25	20 25	0 31	19 1	0 43	21 34	0 33	4 20	1 26	25 36	5 14	23 26	23 28	0 34	0 7	4 17
F 25	22 8	14 37	3 39	16 2	3 57	11 28	1 58	15 21	0 25	20 26	0 31	19 2	0 44	21 34	0 33	4 20	1 25	25 36	5 14	23 26	23 28	0 31	0 6	4 17
S 26	22 16	10 26	4 22	15 54	4 3	11 52	1 57	15 35	0 24	20 27	0 31	19 2	0 44	21 33	0 33	4 20	1 25	25 36	5 15	23 27	23 28	0 29	0 5	4 17
S 27	22 23	5 55	4 53	15 48	4 7	12 16	1 56	15 49	0 23	20 27	0 31	19 3	0 44	21 33	0 33	4 20	1 25	25 37	5 15	23 27	23 28	0 26	0 5	4 17
M28	22 31	1 13	5 11	15 44	4 11	12 39	1 55	16 2	0 23	20 28	0 32	19 3	0 44	21 32	0 33	4 19	1 25	25 37	5 15	23 27	23 28	0 23	0 4	4 17
T 29	22 37	3n31	5 16	15 42	4 12	13 3	1 55	16 15	0 22	20 29	0 32	19 4	0 44	21 32	0 33	4 19	1 25	25 38	5 15	23 27	23 28	0 20	0 4	4 18
W30	22 44	8 10	5 7	15 42	4 13	13 26	1 54	16 28	0 22	20 30	0 32	19 4	0 44	21 31	0 33	4 19	1 25	25 38	5 15	23 27	23 28	0 18	0 3	4 18
T 31	22n50	12n33	4n45	15n45	4s13	13n48	1s52	16n41	0s21	20s31	0s32	19s 5	0s44	21n30	0n33	4n19	1n25	25s38	5s16	23s26	23s27	0s15	0s 3	4n18

Julian Day Number = 2190524.5, Delta T = 10m47s
Ecliptic obliquity = 23°31'55, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'24, Lahiri = 13°53'24 Julian Calendar 1 May 1285 == Greg. Calendar 8 May 1285

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ASTRODIENST EPHEMERIS for the year 1285
geocentric

JUNE 1285 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 7 30	17♊20'06	3♉ 5	28♉32	13♉29	17♉51	1°R 2	7°R51	26♋23	22♍26	28°R43	25°R 6	25♐32	17♓39	19♓58	F 1
S 2	17 11 27	18°17'21	15°38	28°51	14°40	18°34	0♒58	7♒49	26°26	22°26	28♑42	25♐ 5	25°29	17°46	19°58	S 2
S 3	17 15 23	19°14'35	28°28	29°14	15°51	19°17	0°54	7°47	26°29	22°26	28°41	25° 4	25°25	17°53	19°59	S 3
M 4	17 19 20	20°11'49	11♊35	29°42	17° 2	19°59	0°50	7°45	26°32	22°26	28°40	25° 4	25°22	18° 0	20° 0	M 4
T 5	17 23 17	21° 9'02	25° 0	0♊15	18°13	20°42	0°46	7°42	26°35	22°27	28°39	25°D 4	25°19	18° 6	20° 0	T 5
W 6	17 27 13	22° 6'15	8♋41	0°52	19°24	21°25	0°42	7°40	26°38	22°27	28°38	25° 4	25°16	18°13	20° 1	W 6
T 7	17 31 10	23° 3'28	22°35	1°34	20°35	22° 7	0°37	7°37	26°42	22°27	28°37	25° 4	25°13	18°20	20° 1	T 7
F 8	17 35 6	24° 0'41	6♌40	2°20	21°46	22°49	0°32	7°35	26°45	22°28	28°35	25° 4	25°10	18°26	20° 2	F 8
S 9	17 39 3	24°57'52	20°53	3°10	22°58	23°32	0°28	7°32	26°48	22°28	28°34	25°R 4	25° 6	18°33	20° 2	S 9
S 10	17 42 59	25°55'04	5♍ 9	4° 4	24° 9	24°14	0°23	7°30	26°51	22°28	28°33	25° 4	25° 3	18°40	20° 2	S 10
M11	17 46 56	26°52'15	19°25	5° 3	25°20	24°56	0°17	7°27	26°55	22°29	28°32	25° 4	25° 0	18°47	20° 3	M11
T 12	17 50 52	27°49'25	3♎40	6° 6	26°32	25°39	0°12	7°24	26°58	22°29	28°31	25°D 4	24°57	18°53	20° 3	T 12
W13	17 54 49	28°46'35	17°49	7°12	27°43	26°21	0° 7	7°21	27° 1	22°30	28°30	25° 4	24°54	19° 0	20° 3	W13
T 14	17 58 46	29°43'45	1♏51	8°23	28°54	27° 3	0° 1	7°18	27° 5	22°31	28°29	25° 5	24°51	19° 7	20° 3	T 14
F 15	18 2 42	0♋40'54	15°44	9°38	0♊ 6	27°45	29♑55	7°15	27° 8	22°31	28°28	25° 5	24°47	19°13	20°R 3	F 15
S 16	18 6 39	1°38'03	29°26	10°57	1°17	28°27	29°50	7°12	27°12	22°32	28°26	25° 6	24°44	19°20	20° 3	S 16
S 17	18 10 35	2°35'12	12♐55	12°19	2°29	29° 8	29°44	7° 9	27°15	22°32	28°25	25° 6	24°41	19°27	20° 3	S 17
M18	18 14 32	3°32'22	26°11	13°45	3°41	29°50	29°37	7° 5	27°18	22°33	28°24	25°R 6	24°38	19°34	20° 3	M18
T 19	18 18 28	4°29'31	9♑12	15°16	4°52	0♊32	29°31	7° 2	27°22	22°34	28°23	25° 6	24°35	19°40	20° 3	T 19
W20	18 22 25	5°26'40	21°57	16°49	6° 4	1°14	29°25	6°59	27°25	22°35	28°21	25° 5	24°31	19°47	20° 3	W20
T 21	18 26 21	6°23'50	4♒29	18°27	7°16	1°55	29°18	6°55	27°29	22°35	28°20	25° 4	24°28	19°54	20° 2	T 21
F 22	18 30 18	7°21'00	16°47	20° 7	8°27	2°37	29°12	6°52	27°32	22°36	28°19	25° 2	24°25	20° 1	20° 2	F 22
S 23	18 34 15	8°18'10	28°54	21°52	9°39	3°18	29° 5	6°48	27°36	22°37	28°18	25° 0	24°22	20° 7	20° 2	S 23
S 24	18 38 11	9°15'20	10♓53	23°39	10°51	4° 0	28°58	6°44	27°39	22°38	28°16	24°59	24°19	20°14	20° 1	S 24
M25	18 42 8	10°12'32	22°47	25°30	12° 3	4°41	28°51	6°41	27°43	22°39	28°15	24°57	24°16	20°21	20° 1	M25
T 26	18 46 4	11° 9'43	4♈40	27°23	13°15	5°22	28°44	6°37	27°47	22°40	28°14	24°57	24°12	20°27	20° 0	T 26
W27	18 50 1	12° 6'56	16°38	29°19	14°27	6° 4	28°37	6°33	27°50	22°41	28°12	24°D56	24° 9	20°34	20° 0	W27
T 28	18 53 57	13° 4'09	28°43	1♋18	15°39	6°45	28°30	6°29	27°54	22°42	28°11	24°57	24° 6	20°41	19°59	T 28
F 29	18 57 54	14° 1'22	11♉ 2	3°19	16°51	7°26	28°23	6°25	27°57	22°43	28°10	24°58	24° 3	20°48	19°58	F 29
S 30	19 1 50	14♋58'37	23♉37	5♋21	18♊ 3	8♊ 7	28♑15	6♒21	28♋ 1	22♍44	28♑ 8	25♐ 0	24♐ 0	20♓54	19♓58	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n56	16n30	4n10	15n50	4s11	14n11	1s51	16n54	0s20	20s32	0s32	19s 6	0s45	21n30	0n33	4n19	1n25	25s39	5s16	23s26	23s27	0s12	0s 2	4n18
S 2	23 1	19 48	3 21	15 56	4 8	14 33	1 50	17 6	0 20	20 33	0 33	19 6	0 45	21 29	0 33	4 19	1 25	25 39	5 16	23 26	23 27	0 10	0 2	4 18
S 3	23 6	22 12	2 22	16 5	4 5	14 55	1 49	17 19	0 19	20 34	0 33	19 7	0 45	21 29	0 33	4 19	1 25	25 39	5 16	23 26	23 27	0 7	0 1	4 19
M 4	23 10	23 29	1 14	16 15	4 0	15 16	1 47	17 31	0 18	20 35	0 33	19 8	0 45	21 28	0 33	4 19	1 25	25 40	5 16	23 26	23 27	0 4	0 1	4 19
T 5	23 14	23 27	0 0	16 28	3 54	15 38	1 46	17 43	0 18	20 36	0 33	19 8	0 45	21 27	0 33	4 19	1 25	25 40	5 16	23 26	23 27	0 1	0 0	4 19
W 6	23 18	22 0	1s15	16 41	3 48	15 58	1 44	17 55	0 17	20 37	0 33	19 9	0 45	21 27	0 33	4 18	1 25	25 41	5 17	23 26	23 27	0n 1	0 0	4 19
T 7	23 21	19 13	2 27	16 57	3 41	16 19	1 43	18 6	0 16	20 39	0 34	19 10	0 45	21 26	0 33	4 18	1 25	25 41	5 17	23 26	23 27	0 4	0n 0	4 19
F 8	23 24	15 17	3 31	17 13	3 33	16 39	1 41	18 18	0 16	20 40	0 34	19 11	0 46	21 26	0 33	4 18	1 25	25 41	5 17	23 26	23 27	0 7	0 1	4 19
S 9	23 26	10 27	4 22	17 31	3 25	16 59	1 39	18 29	0 15	20 41	0 34	19 12	0 46	21 25	0 33	4 18	1 25	25 42	5 17	23 26	23 26	0 10	0 1	4 20
S 10	23 28	5 2	4 58	17 51	3 15	17 18	1 38	18 40	0 14	20 42	0 34	19 12	0 46	21 24	0 33	4 18	1 25	25 42	5 17	23 26	23 26	0 12	0 1	4 20
M11	23 30	0s38	5 15	18 11	3 6	17 37	1 36	18 51	0 14	20 44	0 35	19 13	0 46	21 24	0 33	4 17	1 25	25 43	5 17	23 26	23 26	0 15	0 2	4 20
T 12	23 31	6 15	5 13	18 32	2 55	17 56	1 34	19 2	0 13	20 45	0 35	19 14	0 46	21 23	0 33	4 17	1 25	25 43	5 18	23 26	23 26	0 18	0 2	4 20
W13	23 32	11 31	4 52	18 53	2 45	18 14	1 32	19 13	0 12	20 46	0 35	19 15	0 46	21 22	0 33	4 17	1 25	25 43	5 18	23 26	23 26	0 20	0 2	4 20
T 14	23 32	16 8	4 14	19 16	2 34	18 32	1 30	19 23	0 11	20 48	0 35	19 16	0 46	21 22	0 33	4 17	1 25	25 44	5 18	23 26	23 26	0 23	0 2	4 21
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S 16	23 31	22 21	2 17	20 1	2 10	19 6	1 26	19 44	0 10	20 51	0 36	19 18	0 47	21 20	0 33	4 16	1 25	25 45	5 18	23 26	23 26	0 28	0 3	4 21
S 17	23 30	23 33	1 7	20 25	1 58	19 22	1 24	19 53	0 9	20 52	0 36	19 19	0 47	21 20	0 33	4 16	1 25	25 45	5 18	23 26	23 25	0 31	0 3	4 21
M18	23 29	23 23	0n 6	20 48	1 46	19 38	1 22	20 3	0 9	20 54	0 36	19 20	0 47	21 19	0 33	4 16	1 25	25 45	5 19	23 26	23 25	0 34	0 3	4 21
T 19	23 27	21 56	1 17	21 10	1 33	19 53	1 20	20 13	0 8	20 55	0 36	19 21	0 47	21 18	0 33	4 15	1 24	25 46	5 19	23 26	23 25	0 37	0 3	4 21
W20	23 25	19 23	2 23	21 33	1 20	20 8	1 17	20 22	0 7	20 57	0 36	19 22	0 47	21 18	0 33	4 15	1 24	25 46	5 19	23 26	23 25	0 39	0 3	4 22
T 21	23 23	15 58	3 21	21 54	1 8	20 22	1 15	20 31	0 7	20 58	0 37	19 23	0 47	21 17	0 33	4 15	1 24	25 47	5 19	23 26	23 25	0 42	0 3	4 22
F 22	23 20	11 55	4 8	22 15	0 55	20 36	1 13	20 40	0 6	21 0	0 37	19 24	0 47	21 16	0 33	4 14	1 24	25 47	5 19	23 26	23 25	0 45	0 3	4 22
S 23	23 16	7 28	4 44	22 35	0 42	20 49	1 10	20 49	0 5	21 1	0 37	19 25	0 48	21 15	0 33	4 14	1 24	25 47	5 19	23 26	23 25	0 47	0 3	4 22
S 24	23 12	2 48	5 6	22 53	0 30	21 2	1 8	20 57	0 4	21 3	0 37	19 26	0 48	21 15	0 33	4 13	1 24	25 48	5 19	23 26	23 25	0 50	0 3	4 22
M25	23 8	1n57	5 15	23 10	0 18	21 14	1 5	21 6	0 4	21 5	0 37	19 27	0 48	21 14	0 33	4 13	1 24	25 48	5 19	23 26	23 24	0 53	0 3	4 23
T 26	23 4	6 37	5 11	23 25	0 6	21 26	1 3	21 14	0 3	21 6	0 37	19 28	0 48	21 13	0 33	4 13	1 24	25 49	5 20	23 26	23 24	0 55	0 3	4 23
W27	22 59	11 4	4 53	23 38	0n 6	21 37	1 1	21 22	0 2	21 8	0 38	19 29	0 48	21 13	0 33	4 12	1 24	25 49	5 20	23 26	23 24	0 58	0 3	4 23
T 28	22 53	15 9	4 23	23 49	0 17	21 48	0 58	21 30	0 2	21 9	0 38	19 30	0 48	21 12	0 33	4 12	1 24	25 49	5 20	23 26	23 24	1 1	0 3	4 23
F 29	22 47	18 40	3 39	23 58	0 28	21 58	0 55	21 37	0 1	21 11	0 38	19 31	0 48	21 11	0 33	4 11	1 24	25 50	5 20	23 26	23 24	1 4	0 3	4 23
S 30	22n41	21n24	2n44	24n 4	0n38	22n 7	0s53	21n45	0s 0	21s13	0s38	19s32	0s48	21n10	0n33	4n11	1n24	25s50	5s20	23s26	23s24	1n 6	0n 3	4n23

Julian Day Number = 2190555.5, Delta T = 10m47s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'28, Lahiri = 13°53'29 Julian Calendar 1 June 1285 == Greg. Calendar 8 June 1285

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1285
geocentric

JULY 1285 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 5 47	15♋55'52	6♊33	7♋25	19♊16	8♊48	28°R 8	6°R17	28♋ 5	22♍45	28°R 7	25♐ 1	23♐57	21♓ 1	19°R57	S 1
M 2	19 9 44	16°53'08	19°52	9°31	20°28	9°29	28♉ 1	6♒13	28° 8	22°46	28♉ 6	25°R 2	23°53	21° 8	19♓56	M 2
T 3	19 13 40	17°50'25	3♋33	11°37	21°40	10°10	27°53	6° 9	28°12	22°47	28° 4	25° 2	23°50	21°15	19°55	T 3
W 4	19 17 37	18°47'42	17°35	13°44	22°52	10°51	27°45	6° 5	28°16	22°48	28° 3	25° 0	23°47	21°21	19°54	W 4
T 5	19 21 33	19°45'00	1♌56	15°52	24° 5	11°32	27°38	6° 1	28°19	22°50	28° 2	24°58	23°44	21°28	19°53	T 5
F 6	19 25 30	20°42'18	16°29	17°59	25°17	12°12	27°30	5°57	28°23	22°51	28° 0	24°55	23°41	21°35	19°52	F 6
S 7	19 29 26	21°39'37	1♍ 7	20° 7	26°30	12°53	27°23	5°52	28°27	22°52	27°59	24°51	23°37	21°41	19°51	S 7
S 8	19 33 23	22°36'57	15°45	22°13	27°42	13°33	27°15	5°48	28°30	22°53	27°57	24°48	23°34	21°48	19°50	S 8
M 9	19 37 19	23°34'16	0♎17	24°20	28°55	14°14	27° 7	5°44	28°34	22°55	27°56	24°45	23°31	21°55	19°48	M 9
T 10	19 41 16	24°31'37	14°37	26°25	0♋ 7	14°54	26°59	5°39	28°38	22°56	27°55	24°44	23°28	22° 2	19°47	T 10
W11	19 45 13	25°28'57	28°43	28°29	1°20	15°35	26°51	5°35	28°41	22°57	27°53	24°D43	23°25	22° 8	19°46	W11
T 12	19 49 9	26°26'19	12♏33	0♌32	2°33	16°15	26°44	5°31	28°45	22°59	27°52	24°44	23°22	22°15	19°45	T 12
F 13	19 53 6	27°23'41	26° 7	2°34	3°45	16°55	26°36	5°26	28°49	23° 0	27°51	24°45	23°18	22°22	19°43	F 13
S 14	19 57 2	28°21'04	9♐27	4°34	4°58	17°35	26°28	5°22	28°52	23° 2	27°49	24°47	23°15	22°29	19°42	S 14
S 15	20 0 59	29°18'27	22°33	6°33	6°11	18°15	26°20	5°17	28°56	23° 3	27°48	24°R48	23°12	22°35	19°40	S 15
M16	20 4 55	0♌15'51	5♑26	8°31	7°24	18°55	26°13	5°13	29° 0	23° 5	27°46	24°47	23° 9	22°42	19°39	M16
T 17	20 8 52	1°13'16	18° 7	10°27	8°36	19°35	26° 5	5° 9	29° 4	23° 6	27°45	24°45	23° 6	22°49	19°37	T 17
W18	20 12 49	2°10'42	0♒37	12°21	9°49	20°15	25°57	5° 4	29° 7	23° 8	27°44	24°41	23° 3	22°55	19°36	W18
T 19	20 16 45	3° 8'09	12°57	14°14	11° 2	20°55	25°49	5° 0	29°11	23° 9	27°42	24°36	22°59	23° 2	19°34	T 19
F 20	20 20 42	4° 5'37	25° 7	16° 6	12°15	21°35	25°42	4°55	29°15	23°11	27°41	24°29	22°56	23° 9	19°32	F 20
S 21	20 24 38	5° 3'06	7♓ 9	17°56	13°28	22°14	25°34	4°51	29°18	23°12	27°39	24°22	22°53	23°16	19°30	S 21
S 22	20 28 35	6° 0'36	19° 5	19°44	14°41	22°54	25°27	4°46	29°22	23°14	27°38	24°14	22°50	23°22	19°29	S 22
M23	20 32 31	6°58'08	0♈58	21°31	15°54	23°34	25°19	4°42	29°26	23°16	27°37	24° 8	22°47	23°29	19°27	M23
T 24	20 36 28	7°55'41	12°50	23°16	17° 8	24°13	25°12	4°37	29°29	23°17	27°35	24° 3	22°43	23°36	19°25	T 24
W25	20 40 24	8°53'16	24°46	25° 0	18°21	24°52	25° 4	4°33	29°33	23°19	27°34	24° 0	22°40	23°42	19°23	W25
T 26	20 44 21	9°50'52	6♉49	26°42	19°34	25°32	24°57	4°28	29°37	23°21	27°33	23°D59	22°37	23°49	19°21	T 26
F 27	20 48 17	10°48'29	19° 5	28°23	20°47	26°11	24°50	4°24	29°40	23°23	27°31	23°59	22°34	23°56	19°19	F 27
S 28	20 52 14	11°46'09	1♊38	0♍ 2	22° 1	26°50	24°43	4°19	29°44	23°24	27°30	24° 0	22°31	24° 3	19°17	S 28
S 29	20 56 11	12°43'49	14°33	1°40	23°14	27°30	24°36	4°15	29°48	23°26	27°29	24° 2	22°28	24° 9	19°15	S 29
M30	21 0 7	13°41'32	27°53	3°16	24°27	28° 9	24°29	4°11	29°51	23°28	27°27	24°R 2	22°24	24°16	19°13	M30
T 31	21 4 4	14♌39'16	11♋41	4♍51	25♋41	28♊48	24♑22	4♒ 6	29♋55	23♍30	27♑26	24♐ 0	22♐21	24♓23	19♓11	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n35	23n 8	1n40	24n 7	0n48	22n16	0s50	21n52	0n 1	21s14	0s38	19s33	0s49	21n10	0n33	4n10	1n24	25s50	5s20	23s26	23s24	1n 9	0n 3	4n24
M 2	22 28	23 37	0 28	24 8	0 57	22 24	0 48	21 59	0 1	21 16	0 38	19 35	0 49	21 9	0 33	4 10	1 24	25 51	5 20	23 26	23 23	1 12	0 2	4 24
T 3	22 20	22 42	0s47	24 6	1 5	22 31	0 45	22 6	0 2	21 18	0 39	19 36	0 49	21 8	0 33	4 9	1 24	25 51	5 20	23 26	23 23	1 14	0 2	4 24
W 4	22 12	20 22	2 1	24 2	1 13	22 38	0 42	22 12	0 3	21 19	0 39	19 37	0 49	21 8	0 33	4 9	1 24	25 52	5 21	23 26	23 23	1 17	0 2	4 24
T 5	22 4	16 44	3 9	23 54	1 20	22 44	0 40	22 19	0 4	21 21	0 39	19 38	0 49	21 7	0 33	4 8	1 24	25 52	5 21	23 26	23 23	1 20	0 2	4 24
F 6	21 56	12 3	4 6	23 44	1 26	22 50	0 37	22 25	0 4	21 23	0 39	19 39	0 49	21 6	0 33	4 8	1 24	25 52	5 21	23 26	23 23	1 22	0 1	4 24
S 7	21 47	6 39	4 47	23 31	1 31	22 55	0 34	22 31	0 5	21 24	0 39	19 40	0 49	21 5	0 33	4 7	1 24	25 53	5 21	23 26	23 23	1 25	0 1	4 25
S 8	21 38	0 53	5 9	23 16	1 36	22 59	0 32	22 37	0 6	21 26	0 39	19 41	0 49	21 5	0 33	4 7	1 24	25 53	5 21	23 26	23 22	1 28	0 1	4 25
M 9	21 28	4s52	5 11	22 58	1 40	23 3	0 29	22 42	0 7	21 28	0 40	19 43	0 49	21 4	0 33	4 6	1 24	25 54	5 21	23 26	23 22	1 30	0 0	4 25
T 10	21 18	10 18	4 54	22 38	1 43	23 6	0 26	22 48	0 7	21 29	0 40	19 44	0 50	21 3	0 33	4 6	1 24	25 54	5 21	23 26	23 22	1 33	0 0	4 25
W11	21 8	15 6	4 20	22 15	1 45	23 8	0 24	22 53	0 8	21 31	0 40	19 45	0 50	21 2	0 33	4 5	1 24	25 54	5 21	23 26	23 22	1 36	0s 0	4 25
T 12	20 57	19 0	3 30	21 51	1 46	23 10	0 21	22 58	0 9	21 33	0 40	19 46	0 50	21 2	0 33	4 5	1 24	25 55	5 21	23 26	23 22	1 38	0 1	4 25
F 13	20 46	21 47	2 30	21 24	1 47	23 11	0 18	23 3	0 10	21 34	0 40	19 47	0 50	21 1	0 33	4 4	1 24	25 55	5 21	23 26	23 22	1 41	0 1	4 25
S 14	20 34	23 19	1 23	20 56	1 47	23 11	0 15	23 7	0 10	21 36	0 40	19 48	0 50	21 0	0 33	4 3	1 24	25 55	5 21	23 26	23 22	1 44	0 2	4 26
S 15	20 22	23 32	0 12	20 26	1 47	23 10	0 13	23 12	0 11	21 38	0 40	19 50	0 50	20 59	0 33	4 3	1 24	25 56	5 22	23 26	23 21	1 46	0 2	4 26
M16	20 10	22 28	0n58	19 54	1 46	23 9	0 10	23 16	0 12	21 39	0 41	19 51	0 50	20 58	0 33	4 2	1 24	25 56	5 22	23 26	23 21	1 49	0 2	4 26
T 17	19 58	20 16	2 3	19 21	1 44	23 8	0 7	23 20	0 13	21 41	0 41	19 52	0 50	20 58	0 33	4 2	1 24	25 56	5 22	23 26	23 21	1 52	0 3	4 26
W18	19 45	17 8	3 2	18 47	1 42	23 5	0 5	23 24	0 13	21 42	0 41	19 53	0 50	20 57	0 33	4 1	1 23	25 57	5 22	23 25	23 21	1 54	0 3	4 26
T 19	19 32	13 17	3 52	18 12	1 39	23 2	0 2	23 27	0 14	21 44	0 41	19 54	0 50	20 56	0 33	4 0	1 23	25 57	5 22	23 25	23 21	1 57	0 4	4 26
F 20	19 18	8 58	4 30	17 36	1 36	22 59	0n 1	23 31	0 15	21 45	0 41	19 56	0 50	20 55	0 33	4 0	1 23	25 58	5 22	23 25	23 21	2 0	0 5	4 26
S 21	19 5	4 21	4 55	16 59	1 32	22 54	0 3	23 34	0 16	21 47	0 41	19 57	0 51	20 55	0 33	3 59	1 23	25 58	5 22	23 25	23 20	2 2	0 5	4 27
S 22	18 51	0n23	5 7	16 21	1 28	22 49	0 6	23 37	0 16	21 49	0 41	19 58	0 51	20 54	0 33	3 58	1 23	25 58	5 22	23 24	23 20	2 5	0 6	4 27
M23	18 36	5 4	5 7	15 42	1 23	22 43	0 9	23 40	0 17	21 50	0 41	19 59	0 51	20 53	0 33	3 58	1 23	25 59	5 22	23 24	23 20	2 8	0 6	4 27
T 24	18 21	9 34	4 52	15 3	1 18	22 37	0 11	23 42	0 18	21 51	0 41	20 0	0 51	20 52	0 33	3 57	1 23	25 59	5 22	23 24	23 20	2 10	0 7	4 27
W25	18 6	13 44	4 26	14 23	1 13	22 30	0 14	23 45	0 19	21 53	0 42	20 1	0 51	20 52	0 33	3 56	1 23	25 59	5 22	23 24	23 20	2 13	0 8	4 27
T 26	17 51	17 25	3 47	13 42	1 7	22 22	0 16	23 47	0 19	21 54	0 42	20 3	0 51	20 51	0 33	3 56	1 23	26 0	5 22	23 24	23 20	2 15	0 8	4 27
F 27	17 35	20 24	2 57	13 2	1 1	22 14	0 19	23 49	0 20	21 56	0 42	20 4	0 51	20 50	0 33	3 55	1 23	26 0	5 22	23 24	23 19	2 18	0 9	4 27
S 28	17 19	22 29	1 58	12 21	0 54	22 5	0 21	23 51	0 21	21 57	0 42	20 5	0 51	20 49	0 33	3 54	1 23	26 0	5 22	23 24	23 19	2 21	0 10	4 27
S 29	17 3	23 29	0 51	11 40	0 48	21 55	0 24	23 52	0 22	21 59	0 42	20 6	0 51	20 49	0 33	3 53	1 23	26 0	5 22	23 24	23 19	2 23	0 10	4 27
M30	16 47	23 10	0s21	10 58	0 41	21 44	0 26	23 54	0 23	22 0	0 42	20 7	0 51	20 48	0 33	3 53	1 23	26 1	5 22	23 24	23 19	2 26	0 11	4 27
T 31	16n30	21n28	1s34	10n17	0n33	21n33	0n29	23n55	0n23	22s 1	0s42	20s 8	0s51	20n47	0n33	3n52	1n23	26s 1	5s22	23s24	23s19	2n29	0s12	4n28

Julian Day Number = 2190585.5, Delta T = 10m47s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'32, Lahiri = 13°53'33 Julian Calendar 1 July 1285 == Greg. Calendar 8 July 1285

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ASTRODIENST EPHEMERIS for the year 1285
geocentric

AUGUST 1285 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 8 0	15♌37'01	25♋56	6♍24	26♋54	29♊27	24°R15	4°R 2	29♋58	23♍32	27°R25	23°R57	22♐18	24♓30	19°R 8	W 1
T 2	21 11 57	16°34'48	10♌34	7°56	28° 8	0♋ 5	24♑ 8	3♒58	0♌ 2	23°33	27♑23	23♐51	22°15	24°36	19♓ 6	T 2
F 3	21 15 53	17°32'37	25°29	9°27	29°22	0°44	24° 2	3°53	0° 6	23°35	27°22	23°44	22°12	24°43	19° 4	F 3
S 4	21 19 50	18°30'27	10♍32	10°56	0♌35	1°23	23°55	3°49	0° 9	23°37	27°21	23°36	22° 9	24°50	19° 2	S 4
S 5	21 23 47	19°28'18	25°34	12°23	1°49	2° 2	23°49	3°45	0°13	23°39	27°20	23°28	22° 5	24°56	18°59	S 5
M 6	21 27 43	20°26'10	10♎25	13°49	3° 2	2°40	23°43	3°41	0°16	23°41	27°18	23°21	22° 2	25° 3	18°57	M 6
T 7	21 31 40	21°24'04	24°59	15°14	4°16	3°19	23°37	3°36	0°20	23°43	27°17	23°16	21°59	25°10	18°55	T 7
W 8	21 35 36	22°21'59	9♏11	16°37	5°30	3°57	23°31	3°32	0°23	23°45	27°16	23°13	21°56	25°17	18°52	W 8
T 9	21 39 33	23°19'55	23° 0	17°58	6°44	4°35	23°25	3°28	0°27	23°47	27°15	23°D13	21°53	25°23	18°50	T 9
F 10	21 43 29	24°17'53	6♐27	19°18	7°58	5°14	23°19	3°24	0°30	23°49	27°13	23°13	21°49	25°30	18°47	F 10
S 11	21 47 26	25°15'52	19°34	20°36	9°11	5°52	23°14	3°20	0°34	23°51	27°12	23°R14	21°46	25°37	18°45	S 11
S 12	21 51 22	26°13'53	2♑24	21°52	10°25	6°30	23° 8	3°16	0°37	23°53	27°11	23°13	21°43	25°44	18°42	S 12
M13	21 55 19	27°11'54	15° 0	23° 7	11°39	7° 8	23° 3	3°12	0°41	23°55	27°10	23°11	21°40	25°50	18°40	M13
T 14	21 59 16	28° 9'58	27°24	24°20	12°53	7°46	22°58	3° 8	0°44	23°57	27° 9	23° 6	21°37	25°57	18°37	T 14
W15	22 3 12	29° 8'02	9♒40	25°31	14° 7	8°24	22°53	3° 5	0°47	23°59	27° 8	22°59	21°34	26° 4	18°35	W15
T 16	22 7 9	0♍ 6'09	21°48	26°40	15°21	9° 2	22°48	3° 1	0°51	24° 1	27° 6	22°49	21°30	26°10	18°32	T 16
F 17	22 11 5	1° 4'17	3♓50	27°46	16°35	9°40	22°43	2°57	0°54	24° 3	27° 5	22°37	21°27	26°17	18°30	F 17
S 18	22 15 2	2° 2'27	15°47	28°51	17°50	10°17	22°39	2°54	0°57	24° 5	27° 4	22°25	21°24	26°24	18°27	S 18
S 19	22 18 58	3° 0'38	27°41	29°53	19° 4	10°55	22°35	2°50	1° 1	24° 7	27° 3	22°12	21°21	26°31	18°24	S 19
M20	22 22 55	3°58'52	9♈32	0♎53	20°18	11°32	22°31	2°47	1° 4	24° 9	27° 2	22° 0	21°18	26°37	18°22	M20
T 21	22 26 51	4°57'07	21°24	1°50	21°32	12°10	22°27	2°43	1° 7	24°12	27° 1	21°51	21°15	26°44	18°19	T 21
W22	22 30 48	5°55'25	3♉19	2°45	22°46	12°47	22°23	2°40	1°10	24°14	27° 0	21°44	21°11	26°51	18°16	W22
T 23	22 34 44	6°53'45	15°21	3°36	24° 1	13°24	22°19	2°36	1°14	24°16	26°59	21°40	21° 8	26°57	18°13	T 23
F 24	22 38 41	7°52'07	27°34	4°24	25°15	14° 2	22°16	2°33	1°17	24°18	26°58	21°38	21° 5	27° 4	18°11	F 24
S 25	22 42 38	8°50'30	10♊ 3	5° 9	26°29	14°39	22°13	2°30	1°20	24°20	26°57	21°D37	21° 2	27°11	18° 8	S 25
S 26	22 46 34	9°48'57	22°54	5°50	27°44	15°16	22°10	2°27	1°23	24°22	26°56	21°R38	20°59	27°18	18° 5	S 26
M27	22 50 31	10°47'25	6♋ 9	6°28	28°58	15°53	22° 7	2°24	1°26	24°24	26°55	21°37	20°55	27°24	18° 2	M27
T 28	22 54 27	11°45'56	19°53	7° 1	0♍13	16°30	22° 4	2°21	1°29	24°27	26°54	21°35	20°52	27°31	18° 0	T 28
W29	22 58 24	12°44'28	4♌ 7	7°29	1°27	17° 6	22° 2	2°18	1°32	24°29	26°53	21°30	20°49	27°38	17°57	W29
T 30	23 2 20	13°43'03	18°48	7°53	2°42	17°43	21°59	2°15	1°35	24°31	26°53	21°22	20°46	27°45	17°54	T 30
F 31	23 6 17	14♍41'40	3♍51	8♎11	3♍56	18♋20	21♑57	2♒13	1♌38	24♍33	26♑52	21♐12	20♐43	27♓51	17♓51	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n13	18n23	2s43	9n36	0n26	21n22	0n31	23n56	0n24	22s 2	0s42	20s 9	0s51	20n46	0n33	3n51	1n23	26s 1	5s22	23s24	23s18	2n31	0s13	4n28
T 2	15 56	14 5	3 43	8 54	0 18	21 10	0 33	23 57	0 25	22 4	0 42	20 10	0 51	20 46	0 33	3 50	1 23	26 2	5 22	23 23	23 18	2 34	0 13	4 28
F 3	15 38	8 51	4 29	8 13	0 10	20 57	0 36	23 58	0 26	22 5	0 42	20 11	0 52	20 45	0 33	3 50	1 23	26 2	5 22	23 23	23 18	2 37	0 14	4 28
S 4	15 20	3 3	4 57	7 32	0 2	20 43	0 38	23 58	0 27	22 6	0 42	20 13	0 52	20 44	0 33	3 49	1 23	26 2	5 22	23 23	23 18	2 39	0 15	4 28
S 5	15 2	2s54	5 5	6 50	0s 6	20 29	0 40	23 58	0 27	22 7	0 42	20 14	0 52	20 43	0 33	3 48	1 23	26 3	5 23	23 22	23 18	2 42	0 16	4 28
M 6	14 44	8 37	4 52	6 10	0 15	20 14	0 42	23 58	0 28	22 8	0 43	20 15	0 52	20 43	0 33	3 47	1 23	26 3	5 23	23 22	23 17	2 44	0 17	4 28
T 7	14 25	13 44	4 20	5 29	0 23	19 59	0 44	23 58	0 29	22 10	0 43	20 16	0 52	20 42	0 33	3 46	1 23	26 3	5 23	23 22	23 17	2 47	0 18	4 28
W 8	14 7	17 58	3 33	4 49	0 32	19 43	0 47	23 58	0 30	22 11	0 43	20 17	0 52	20 41	0 33	3 46	1 23	26 3	5 23	23 21	23 17	2 50	0 19	4 28
T 9	13 48	21 5	2 34	4 9	0 41	19 27	0 49	23 58	0 31	22 12	0 43	20 18	0 52	20 40	0 33	3 45	1 23	26 4	5 23	23 21	23 17	2 52	0 19	4 28
F 10	13 28	22 55	1 28	3 29	0 50	19 10	0 51	23 57	0 31	22 13	0 43	20 19	0 52	20 40	0 33	3 44	1 23	26 4	5 23	23 21	23 17	2 55	0 20	4 28
S 11	13 9	23 27	0 20	2 50	0 59	18 52	0 53	23 56	0 32	22 14	0 43	20 20	0 52	20 39	0 33	3 43	1 23	26 4	5 23	23 21	23 17	2 58	0 21	4 28
S 12	12 49	22 42	0n49	2 12	1 8	18 34	0 55	23 55	0 33	22 15	0 43	20 21	0 52	20 38	0 33	3 42	1 23	26 4	5 23	23 21	23 16	3 0	0 22	4 28
M13	12 29	20 49	1 53	1 34	1 17	18 16	0 56	23 54	0 34	22 16	0 43	20 22	0 52	20 37	0 33	3 42	1 23	26 5	5 23	23 21	23 16	3 3	0 23	4 28
T 14	12 9	17 58	2 51	0 57	1 26	17 56	0 58	23 53	0 35	22 16	0 43	20 23	0 52	20 37	0 33	3 41	1 23	26 5	5 23	23 21	23 16	3 5	0 24	4 28
W15	11 49	14 21	3 40	0 20	1 35	17 37	1 0	23 51	0 36	22 17	0 43	20 23	0 52	20 36	0 33	3 40	1 23	26 5	5 23	23 21	23 16	3 8	0 25	4 28
T 16	11 29	10 12	4 19	0s16	1 44	17 17	1 2	23 50	0 36	22 18	0 43	20 24	0 52	20 35	0 33	3 39	1 23	26 5	5 23	23 20	23 16	3 11	0 26	4 28
F 17	11 8	5 42	4 45	0 51	1 53	16 56	1 3	23 48	0 37	22 19	0 43	20 25	0 52	20 35	0 33	3 38	1 23	26 5	5 23	23 20	23 15	3 13	0 27	4 28
S 18	10 47	1 2	4 59	1 25	2 2	16 35	1 5	23 46	0 38	22 20	0 43	20 26	0 52	20 34	0 33	3 37	1 23	26 6	5 23	23 19	23 15	3 16	0 28	4 28
S 19	10 26	3n39	5 0	1 58	2 11	16 13	1 7	23 44	0 39	22 20	0 43	20 27	0 52	20 33	0 33	3 37	1 23	26 6	5 23	23 18	23 15	3 18	0 29	4 28
M20	10 5	8 11	4 47	2 30	2 20	15 51	1 8	23 41	0 40	22 21	0 43	20 28	0 52	20 32	0 33	3 36	1 23	26 6	5 23	23 17	23 15	3 21	0 30	4 28
T 21	9 44	12 26	4 23	3 1	2 29	15 29	1 10	23 39	0 41	22 22	0 43	20 29	0 52	20 32	0 33	3 35	1 23	26 6	5 23	23 17	23 14	3 24	0 31	4 28
W22	9 22	16 13	3 46	3 30	2 38	15 6	1 11	23 36	0 41	22 23	0 43	20 29	0 52	20 31	0 33	3 34	1 23	26 6	5 23	23 16	23 14	3 26	0 32	4 28
T 23	9 1	19 22	2 59	3 58	2 46	14 42	1 12	23 33	0 42	22 23	0 43	20 30	0 52	20 30	0 33	3 33	1 23	26 7	5 22	23 16	23 14	3 29	0 33	4 28
F 24	8 39	21 42	2 4	4 25	2 54	14 19	1 14	23 30	0 43	22 24	0 43	20 31	0 52	20 30	0 33	3 32	1 23	26 7	5 22	23 16	23 14	3 31	0 34	4 28
S 25	8 17	23 3	1 1	4 50	3 2	13 54	1 15	23 27	0 44	22 24	0 43	20 32	0 53	20 29	0 34	3 32	1 23	26 7	5 22	23 16	23 14	3 34	0 36	4 28
S 26	7 55	23 14	0s 7	5 14	3 10	13 30	1 16	23 24	0 45	22 25	0 43	20 33	0 53	20 28	0 34	3 31	1 23	26 7	5 22	23 16	23 13	3 37	0 37	4 28
M27	7 33	22 7	1 16	5 35	3 17	13 5	1 17	23 20	0 46	22 25	0 43	20 33	0 53	20 28	0 34	3 30	1 23	26 7	5 22	23 16	23 13	3 39	0 38	4 28
T 28	7 11	19 41	2 23	5 55	3 24	12 40	1 18	23 17	0 47	22 26	0 43	20 34	0 53	20 27	0 34	3 29	1 23	26 7	5 22	23 16	23 13	3 42	0 39	4 28
W29	6 48	16 0	3 24	6 12	3 30	12 14	1 19	23 13	0 47	22 26	0 43	20 35	0 53	20 26	0 34	3 28	1 23	26 8	5 22	23 15	23 13	3 44	0 40	4 28
T 30	6 26	11 14	4 14	6 27	3 36	11 48	1 20	23 9	0 48	22 26	0 43	20 35	0 53	20 26	0 34	3 27	1 23	26 8	5 22	23 15	23 13	3 47	0 41	4 28
F 31	6n 3	5n41	4s47	6s39	3s41	11n21	1n21	23n 5	0n49	22s27	0s43	20s36	0s53	20n25	0n34	3n26	1n23	26s 8	5s22	23s14	23s12	3n49	0s42	4n28

Julian Day Number = 2190616.5, Delta T = 10m47s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'37, Lahiri = 13°53'37 Julian Calendar 1 Aug. 1285 == Greg. Calendar 8 Aug. 1285

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ASTRODIENST EPHEMERIS for the year 1285
geocentric

SEPTEMBER 1285 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 10 13	15♍40'19	19♍ 8	8♎24	5♍11	18♋56	21°R55	2°R10	1♌41	24♍35	26°R51	21°R 1	20♐40	27♓58	17°R49	S 1
S 2	23 14 10	16°39'00	4♎26	8°31	6°25	19°33	21♑54	2♒ 7	1°44	24°38	26♑50	20♐50	20°36	28° 5	17♓46	S 2
M 3	23 18 7	17°37'42	19°35	8°R31	7°40	20° 9	21°52	2° 5	1°47	24°40	26°49	20°41	20°33	28°11	17°43	M 3
T 4	23 22 3	18°36'27	4♏24	8°25	8°55	20°45	21°51	2° 3	1°49	24°42	26°49	20°33	20°30	28°18	17°40	T 4
W 5	23 26 0	19°35'13	18°49	8°12	10° 9	21°22	21°50	2° 0	1°52	24°44	26°48	20°29	20°27	28°25	17°37	W 5
T 6	23 29 56	20°34'01	2♐45	7°52	11°24	21°58	21°49	1°58	1°55	24°47	26°47	20°27	20°24	28°32	17°35	T 6
F 7	23 33 53	21°32'51	16°14	7°24	12°39	22°34	21°48	1°56	1°58	24°49	26°47	20°26	20°20	28°38	17°32	F 7
S 8	23 37 49	22°31'43	29°19	6°49	13°54	23° 9	21°47	1°54	2° 0	24°51	26°46	20°26	20°17	28°45	17°29	S 8
S 9	23 41 46	23°30'36	12♑ 3	6° 7	15° 8	23°45	21°47	1°52	2° 3	24°53	26°45	20°25	20°14	28°52	17°26	S 9
M10	23 45 42	24°29'31	24°30	5°18	16°23	24°21	21°D47	1°50	2° 6	24°56	26°45	20°22	20°11	28°58	17°24	M10
T 11	23 49 39	25°28'28	6♒45	4°23	17°38	24°57	21°47	1°48	2° 8	24°58	26°44	20°17	20° 8	29° 5	17°21	T 11
W12	23 53 36	26°27'27	18°51	3°22	18°53	25°32	21°47	1°47	2°11	25° 0	26°43	20° 9	20° 5	29°12	17°18	W12
T 13	23 57 32	27°26'27	0♓50	2°17	20° 8	26° 7	21°48	1°45	2°13	25° 2	26°43	19°58	20° 1	29°19	17°15	T 13
F 14	0 1 29	28°25'30	12°46	1° 9	21°23	26°43	21°48	1°44	2°16	25° 4	26°42	19°45	19°58	29°25	17°13	F 14
S 15	0 5 25	29°24'34	24°39	0° 0	22°37	27°18	21°49	1°42	2°18	25° 7	26°42	19°31	19°55	29°32	17°10	S 15
S 16	0 9 22	0♎23'41	6♈32	28♍51	23°52	27°53	21°50	1°41	2°20	25° 9	26°42	19°17	19°52	29°39	17° 7	S 16
M17	0 13 18	1°22'50	18°25	27°45	25° 7	28°28	21°51	1°40	2°23	25°11	26°41	19° 4	19°49	29°46	17° 4	M17
T 18	0 17 15	2°22'00	0♉20	26°43	26°22	29° 3	21°53	1°39	2°25	25°13	26°41	18°53	19°46	29°52	17° 2	T 18
W19	0 21 11	3°21'13	12°19	25°47	27°37	29°38	21°55	1°38	2°27	25°16	26°40	18°45	19°42	29°59	16°59	W19
T 20	0 25 8	4°20'29	24°24	24°59	28°52	0♌12	21°56	1°37	2°29	25°18	26°40	18°40	19°39	0♈ 6	16°57	T 20
F 21	0 29 4	5°19'46	6♊40	24°19	0♎ 7	0°47	21°58	1°36	2°32	25°20	26°40	18°38	19°36	0°12	16°54	F 21
S 22	0 33 1	6°19'06	19° 9	23°49	1°22	1°21	22° 1	1°35	2°34	25°22	26°39	18°D37	19°33	0°19	16°51	S 22
S 23	0 36 58	7°18'29	1♋56	23°30	2°37	1°56	22° 3	1°35	2°36	25°24	26°39	18°R37	19°30	0°26	16°49	S 23
M24	0 40 54	8°17'54	15° 5	23°D22	3°52	2°30	22° 6	1°34	2°38	25°27	26°39	18°37	19°26	0°33	16°46	M24
T 25	0 44 51	9°17'21	28°41	23°24	5° 8	3° 4	22° 8	1°34	2°40	25°29	26°39	18°36	19°23	0°39	16°44	T 25
W26	0 48 47	10°16'50	12♌44	23°37	6°23	3°38	22°11	1°33	2°42	25°31	26°38	18°32	19°20	0°46	16°41	W26
T 27	0 52 44	11°16'22	27°15	24° 1	7°38	4°12	22°14	1°33	2°43	25°33	26°38	18°26	19°17	0°53	16°39	T 27
F 28	0 56 40	12°15'56	12♍10	24°35	8°53	4°46	22°18	1°D33	2°45	25°35	26°38	18°17	19°14	0°59	16°36	F 28
S 29	1 0 37	13°15'32	27°22	25°17	10° 8	5°20	22°21	1°33	2°47	25°37	26°38	18° 7	19°11	1° 6	16°34	S 29
S 30	1 4 33	14♎15'10	12♎40	26♍ 8	11♎23	5♌53	22♑25	1♒33	2♌49	25♍40	26♑38	17♐58	19♐ 7	1♈13	16♓31	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n40	0s17	5s 0	6s48	3s46	10n55	1n22	23n 1	0n50	22s27	0s43	20s37	0s53	20n25	0n34	3n25	1n23	26s 8	5s22	23s14	23s12	3n52	0s43	4n28
S 2	5 17	6 14	4 52	6 54	3 49	10 28	1 22	22 56	0 51	22 27	0 43	20 37	0 53	20 24	0 34	3 25	1 23	26 8	5 22	23 13	23 12	3 55	0 44	4 28
M 3	4 54	11 45	4 23	6 57	3 52	10 1	1 23	22 52	0 52	22 28	0 43	20 38	0 53	20 23	0 34	3 24	1 23	26 8	5 22	23 12	23 12	3 57	0 46	4 28
T 4	4 31	16 27	3 37	6 56	3 54	9 33	1 24	22 47	0 53	22 28	0 43	20 38	0 53	20 23	0 34	3 23	1 23	26 8	5 22	23 12	23 11	4 0	0 47	4 28
W 5	4 8	20 2	2 39	6 51	3 54	9 5	1 24	22 43	0 54	22 28	0 43	20 39	0 53	20 22	0 34	3 22	1 23	26 8	5 22	23 11	23 11	4 2	0 48	4 28
T 6	3 45	22 18	1 32	6 42	3 53	8 37	1 25	22 38	0 54	22 28	0 43	20 39	0 53	20 22	0 34	3 21	1 23	26 9	5 22	23 11	23 11	4 5	0 49	4 28
F 7	3 22	23 11	0 22	6 29	3 51	8 9	1 25	22 33	0 55	22 28	0 43	20 40	0 53	20 21	0 34	3 20	1 23	26 9	5 22	23 11	23 11	4 7	0 50	4 28
S 8	2 59	22 45	0n47	6 11	3 47	7 40	1 25	22 28	0 56	22 28	0 43	20 40	0 53	20 20	0 34	3 19	1 23	26 9	5 22	23 11	23 10	4 10	0 51	4 28
S 9	2 35	21 8	1 52	5 49	3 41	7 11	1 26	22 22	0 57	22 28	0 43	20 41	0 53	20 20	0 34	3 18	1 23	26 9	5 22	23 11	23 10	4 13	0 52	4 28
M10	2 12	18 31	2 49	5 22	3 33	6 43	1 26	22 17	0 58	22 28	0 43	20 41	0 53	20 19	0 34	3 17	1 23	26 9	5 22	23 11	23 10	4 15	0 54	4 28
T 11	1 48	15 8	3 38	4 51	3 23	6 13	1 26	22 12	0 59	22 28	0 43	20 42	0 53	20 19	0 34	3 17	1 23	26 9	5 22	23 10	23 10	4 18	0 55	4 27
W12	1 25	11 10	4 17	4 16	3 12	5 44	1 26	22 6	1 0	22 28	0 43	20 42	0 53	20 18	0 34	3 16	1 23	26 9	5 22	23 10	23 10	4 20	0 56	4 27
T 13	1 1	6 48	4 44	3 38	2 58	5 15	1 26	22 0	1 1	22 28	0 43	20 42	0 53	20 18	0 34	3 15	1 23	26 9	5 22	23 9	23 9	4 23	0 57	4 27
F 14	0 38	2 13	4 58	2 57	2 43	4 45	1 26	21 54	1 2	22 28	0 43	20 43	0 53	20 17	0 34	3 14	1 23	26 9	5 22	23 8	23 9	4 25	0 58	4 27
S 15	0 14	2n26	4 59	2 14	2 26	4 15	1 26	21 48	1 3	22 28	0 43	20 43	0 53	20 17	0 34	3 13	1 23	26 9	5 22	23 7	23 9	4 28	0 59	4 27
S 16	0s 9	6 59	4 47	1 30	2 8	3 45	1 26	21 42	1 4	22 28	0 43	20 43	0 53	20 16	0 34	3 12	1 23	26 9	5 21	23 6	23 9	4 30	1 1	4 27
M17	0 33	11 17	4 22	0 46	1 49	3 15	1 25	21 36	1 5	22 28	0 43	20 43	0 53	20 16	0 34	3 11	1 23	26 9	5 21	23 5	23 8	4 33	1 2	4 27
T 18	0 57	15 9	3 46	0 3	1 29	2 45	1 25	21 30	1 6	22 27	0 43	20 44	0 53	20 15	0 34	3 10	1 23	26 9	5 21	23 4	23 8	4 36	1 3	4 27
W19	1 20	18 26	3 0	0n38	1 8	2 15	1 25	21 23	1 6	22 27	0 43	20 44	0 53	20 15	0 34	3 10	1 23	26 9	5 21	23 3	23 8	4 38	1 4	4 26
T 20	1 44	20 57	2 5	1 17	0 48	1 44	1 24	21 17	1 7	22 27	0 43	20 44	0 53	20 14	0 34	3 9	1 23	26 9	5 21	23 3	23 8	4 41	1 5	4 26
F 21	2 8	22 32	1 3	1 51	0 28	1 14	1 24	21 10	1 8	22 26	0 43	20 44	0 53	20 14	0 34	3 8	1 23	26 9	5 21	23 3	23 7	4 43	1 6	4 26
S 22	2 31	23 2	0s 3	2 20	0 8	0 43	1 23	21 4	1 9	22 26	0 43	20 44	0 53	20 13	0 34	3 7	1 23	26 9	5 21	23 3	23 7	4 46	1 8	4 26
S 23	2 55	22 21	1 10	2 45	0n10	0 13	1 22	20 57	1 10	22 26	0 43	20 45	0 53	20 13	0 34	3 6	1 23	26 9	5 21	23 3	23 7	4 48	1 9	4 26
M24	3 18	20 26	2 16	3 4	0 28	0s18	1 22	20 50	1 11	22 25	0 43	20 45	0 53	20 12	0 34	3 5	1 23	26 9	5 21	23 3	23 7	4 51	1 10	4 26
T 25	3 42	17 18	3 16	3 18	0 43	0 48	1 21	20 43	1 12	22 25	0 43	20 45	0 53	20 12	0 34	3 4	1 23	26 9	5 21	23 2	23 6	4 53	1 11	4 26
W26	4 5	13 7	4 6	3 26	0 58	1 19	1 20	20 36	1 13	22 24	0 43	20 45	0 53	20 12	0 34	3 4	1 23	26 9	5 21	23 2	23 6	4 56	1 12	4 25
T 27	4 29	8 3	4 43	3 28	1 11	1 50	1 19	20 29	1 14	22 24	0 43	20 45	0 53	20 11	0 35	3 3	1 23	26 9	5 21	23 2	23 6	4 58	1 13	4 25
F 28	4 52	2 23	5 1	3 25	1 22	2 20	1 18	20 22	1 15	22 23	0 43	20 45	0 53	20 11	0 35	3 2	1 23	26 9	5 21	23 1	23 6	5 1	1 14	4 25
S 29	5 15	3s31	4 59	3 18	1 32	2 51	1 17	20 15	1 16	22 22	0 43	20 45	0 53	20 10	0 35	3 1	1 23	26 9	5 21	23 0	23 5	5 3	1 15	4 25
S 30	5s38	9s15	4s36	3n 5	1n41	3s21	1n16	20n 7	1n17	22s22	0s43	20s45	0s53	20n10	0n35	3n 0	1n23	26s 9	5s21	22s59	23s 5	5n 6	1s16	4n25

Julian Day Number = 2190647.5, Delta T = 10m47s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'41, Lahiri = 13°53'41 Julian Calendar 1 Sept. 1285 == Greg. Calendar 8 Sept. 1285

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ASTRODIENST EPHEMERIS for the year 1285
geocentric

OCTOBER 1285 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 8 30	15♎14'50	27♎54	27♍ 6	12♎38	6♌26	22♏29	1♒33	2♌51	25♍42	26°R38	17°R49	19♐ 4	1♈20	16°R29	M 1
T 2	1 12 27	16°14'33	12♏52	28°11	13°54	7° 0	22°33	1°34	2°52	25°44	26°D38	17♐42	19° 1	1°26	16♓27	T 2
W 3	1 16 23	17°14'17	27°26	29°21	15° 9	7°33	22°37	1°34	2°54	25°46	26♏38	17°38	18°58	1°33	16°24	W 3
T 4	1 20 20	18°14'03	11♐33	0♎37	16°24	8° 6	22°42	1°35	2°55	25°48	26°38	17°D36	18°55	1°40	16°22	T 4
F 5	1 24 16	19°13'51	25°11	1°57	17°39	8°39	22°46	1°35	2°57	25°50	26°38	17°37	18°51	1°46	16°20	F 5
S 6	1 28 13	20°13'41	8♏21	3°21	18°54	9°11	22°51	1°36	2°58	25°52	26°38	17°37	18°48	1°53	16°18	S 6
S 7	1 32 9	21°13'32	21° 7	4°48	20°10	9°44	22°56	1°37	3° 0	25°54	26°38	17°R38	18°45	2° 0	16°16	S 7
M 8	1 36 6	22°13'25	3♒34	6°17	21°25	10°17	23° 1	1°38	3° 1	25°56	26°38	17°37	18°42	2° 7	16°13	M 8
T 9	1 40 2	23°13'20	15°46	7°49	22°40	10°49	23° 7	1°39	3° 2	25°58	26°38	17°34	18°39	2°13	16°11	T 9
W10	1 43 59	24°13'16	27°48	9°23	23°55	11°21	23°12	1°40	3° 3	26° 0	26°39	17°29	18°36	2°20	16° 9	W10
T 11	1 47 56	25°13'14	9♓43	10°57	25°11	11°53	23°18	1°41	3° 5	26° 2	26°39	17°22	18°32	2°27	16° 7	T 11
F 12	1 51 52	26°13'14	21°36	12°33	26°26	12°25	23°24	1°43	3° 6	26° 4	26°39	17°13	18°29	2°34	16° 5	F 12
S 13	1 55 49	27°13'15	3♈28	14°10	27°41	12°57	23°30	1°44	3° 7	26° 6	26°39	17° 3	18°26	2°40	16° 3	S 13
S 14	1 59 45	28°13'19	15°22	15°48	28°57	13°28	23°36	1°45	3° 8	26° 8	26°40	16°53	18°23	2°47	16° 2	S 14
M15	2 3 42	29°13'24	27°19	17°26	0♏12	14° 0	23°42	1°47	3° 9	26°10	26°40	16°44	18°20	2°54	16° 0	M15
T 16	2 7 38	0♏13'31	9♉21	19° 4	1°27	14°31	23°49	1°49	3°10	26°12	26°41	16°37	18°17	3° 0	15°58	T 16
W17	2 11 35	1°13'40	21°30	20°42	2°42	15° 2	23°55	1°51	3°10	26°14	26°41	16°31	18°13	3° 7	15°56	W17
T 18	2 15 31	2°13'51	3♊46	22°21	3°58	15°33	24° 2	1°53	3°11	26°16	26°41	16°28	18°10	3°14	15°54	T 18
F 19	2 19 28	3°14'04	16°12	23°59	5°13	16° 4	24° 9	1°55	3°12	26°18	26°42	16°D28	18° 7	3°21	15°53	F 19
S 20	2 23 25	4°14'19	28°50	25°37	6°28	16°34	24°16	1°57	3°13	26°20	26°42	16°28	18° 4	3°27	15°51	S 20
S 21	2 27 21	5°14'36	11♋43	27°16	7°44	17° 5	24°24	1°59	3°13	26°22	26°43	16°30	18° 1	3°34	15°50	S 21
M22	2 31 18	6°14'55	24°53	28°54	8°59	17°35	24°31	2° 1	3°14	26°24	26°43	16°31	17°57	3°41	15°48	M22
T 23	2 35 14	7°15'16	8♌24	0♏31	10°14	18° 5	24°39	2° 4	3°14	26°25	26°44	16°R32	17°54	3°47	15°47	T 23
W24	2 39 11	8°15'39	22°17	2° 9	11°30	18°35	24°46	2° 6	3°15	26°27	26°45	16°31	17°51	3°54	15°45	W24
T 25	2 43 7	9°16'04	6♍32	3°46	12°45	19° 5	24°54	2° 9	3°15	26°29	26°45	16°28	17°48	4° 1	15°44	T 25
F 26	2 47 4	10°16'31	21° 8	5°23	14° 0	19°34	25° 2	2°12	3°16	26°31	26°46	16°24	17°45	4° 8	15°42	F 26
S 27	2 51 0	11°16'59	6♎ 0	7° 0	15°16	20° 4	25°11	2°14	3°16	26°32	26°46	16°19	17°42	4°14	15°41	S 27
S 28	2 54 57	12°17'30	21° 0	8°37	16°31	20°33	25°19	2°17	3°16	26°34	26°47	16°14	17°38	4°21	15°40	S 28
M29	2 58 54	13°18'02	6♏ 0	10°13	17°47	21° 2	25°27	2°20	3°16	26°36	26°48	16° 9	17°35	4°28	15°39	M29
T 30	3 2 50	14°18'37	20°50	11°49	19° 2	21°30	25°36	2°23	3°17	26°37	26°49	16° 5	17°32	4°34	15°38	T 30
W31	3 6 47	15♏19'12	5♐23	13♏25	20♏17	21♌59	25♏45	2♒26	3♌17	26♍39	26♏49	16♐ 3	17♐29	4♈41	15♓37	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6s 2	14s23	3s53	2n48	1n48	3s52	1n15	20n 0	1n18	22s21	0s43	20s45	0s53	20n10	0n35	2n59	1n23	26s 9	5s20	22s58	23s 5	5n 8	1s18	4n25
T 2	6 25	18 31	2 54	2 28	1 53	4 22	1 14	19 52	1 19	22 20	0 43	20 45	0 53	20 9	0 35	2 58	1 23	26 9	5 20	22 58	23 5	5 11	1 19	4 24
W 3	6 48	21 23	1 46	2 3	1 58	4 52	1 13	19 45	1 20	22 20	0 43	20 45	0 53	20 9	0 35	2 58	1 23	26 9	5 20	22 57	23 4	5 13	1 20	4 24
T 4	7 11	22 47	0 32	1 36	2 1	5 23	1 11	19 37	1 21	22 19	0 43	20 44	0 53	20 9	0 35	2 57	1 23	26 9	5 20	22 57	23 4	5 16	1 21	4 24
F 5	7 33	22 46	0n40	1 6	2 3	5 53	1 10	19 30	1 22	22 18	0 43	20 44	0 53	20 8	0 35	2 56	1 23	26 9	5 20	22 57	23 4	5 18	1 22	4 24
S 6	7 56	21 28	1 49	0 34	2 4	6 23	1 9	19 22	1 23	22 17	0 43	20 44	0 53	20 8	0 35	2 55	1 23	26 8	5 20	22 57	23 3	5 21	1 23	4 24
S 7	8 19	19 4	2 49	0s 1	2 4	6 53	1 7	19 14	1 24	22 16	0 43	20 44	0 53	20 8	0 35	2 54	1 23	26 8	5 20	22 57	23 3	5 23	1 24	4 23
M 8	8 41	15 51	3 41	0 37	2 4	7 22	1 6	19 6	1 26	22 15	0 43	20 44	0 53	20 8	0 35	2 54	1 23	26 8	5 20	22 57	23 3	5 26	1 25	4 23
T 9	9 3	12 1	4 21	1 15	2 2	7 52	1 4	18 59	1 27	22 15	0 43	20 43	0 53	20 7	0 35	2 53	1 23	26 8	5 20	22 57	23 3	5 28	1 26	4 23
W10	9 26	7 46	4 48	1 54	2 0	8 21	1 2	18 51	1 28	22 14	0 43	20 43	0 53	20 7	0 35	2 52	1 23	26 8	5 20	22 56	23 2	5 31	1 27	4 23
T 11	9 48	3 16	5 3	2 33	1 57	8 50	1 1	18 43	1 29	22 13	0 42	20 43	0 53	20 7	0 35	2 51	1 23	26 8	5 20	22 56	23 2	5 33	1 28	4 22
F 12	10 10	1n19	5 5	3 14	1 54	9 19	0 59	18 35	1 30	22 12	0 42	20 43	0 53	20 7	0 35	2 51	1 23	26 8	5 20	22 55	23 2	5 36	1 29	4 22
S 13	10 31	5 52	4 54	3 55	1 50	9 48	0 57	18 27	1 31	22 11	0 42	20 42	0 53	20 6	0 35	2 50	1 23	26 8	5 20	22 54	23 2	5 38	1 30	4 22
S 14	10 53	10 13	4 30	4 37	1 46	10 17	0 56	18 19	1 32	22 9	0 42	20 42	0 53	20 6	0 35	2 49	1 24	26 8	5 19	22 53	23 1	5 41	1 31	4 22
M15	11 14	14 11	3 53	5 19	1 41	10 45	0 54	18 11	1 33	22 8	0 42	20 42	0 53	20 6	0 35	2 48	1 24	26 7	5 19	22 52	23 1	5 43	1 32	4 22
T 16	11 36	17 37	3 7	6 1	1 36	11 13	0 52	18 3	1 34	22 7	0 42	20 41	0 53	20 6	0 35	2 48	1 24	26 7	5 19	22 51	23 1	5 46	1 33	4 21
W17	11 57	20 19	2 11	6 43	1 31	11 41	0 50	17 54	1 35	22 6	0 42	20 41	0 53	20 6	0 35	2 47	1 24	26 7	5 19	22 51	23 0	5 48	1 33	4 21
T 18	12 18	22 6	1 8	7 25	1 25	12 8	0 48	17 46	1 36	22 5	0 42	20 40	0 53	20 6	0 35	2 46	1 24	26 7	5 19	22 50	23 0	5 51	1 34	4 21
F 19	12 38	22 50	0 1	8 6	1 20	12 35	0 46	17 38	1 38	22 3	0 42	20 40	0 53	20 5	0 35	2 45	1 24	26 7	5 19	22 50	23 0	5 53	1 35	4 21
S 20	12 59	22 25	1s 7	8 48	1 14	13 2	0 44	17 30	1 39	22 2	0 42	20 39	0 52	20 5	0 35	2 45	1 24	26 7	5 19	22 50	23 0	5 56	1 36	4 20
S 21	13 19	20 49	2 13	9 29	1 7	13 29	0 42	17 22	1 40	22 1	0 42	20 39	0 52	20 5	0 35	2 44	1 24	26 6	5 19	22 51	22 59	5 58	1 37	4 20
M22	13 39	18 4	3 13	10 10	1 1	13 55	0 40	17 14	1 41	22 0	0 42	20 38	0 52	20 5	0 35	2 43	1 24	26 6	5 19	22 51	22 59	6 1	1 38	4 20
T 23	13 59	14 17	4 5	10 51	0 55	14 21	0 38	17 5	1 42	21 58	0 42	20 38	0 52	20 5	0 36	2 43	1 24	26 6	5 19	22 51	22 59	6 3	1 39	4 20
W24	14 19	9 40	4 44	11 31	0 48	14 47	0 36	16 57	1 43	21 57	0 42	20 37	0 52	20 5	0 36	2 42	1 24	26 6	5 19	22 51	22 58	6 5	1 39	4 19
T 25	14 38	4 24	5 6	12 10	0 42	15 12	0 33	16 49	1 45	21 55	0 42	20 37	0 52	20 5	0 36	2 41	1 24	26 6	5 19	22 50	22 58	6 8	1 40	4 19
F 26	14 57	1s13	5 10	12 49	0 35	15 37	0 31	16 41	1 46	21 54	0 42	20 36	0 52	20 5	0 36	2 41	1 24	26 5	5 19	22 50	22 58	6 10	1 41	4 19
S 27	15 16	6 52	4 53	13 28	0 28	16 1	0 29	16 33	1 47	21 52	0 42	20 35	0 52	20 5	0 36	2 40	1 24	26 5	5 19	22 49	22 58	6 13	1 42	4 19
S 28	15 35	12 10	4 16	14 5	0 22	16 25	0 27	16 24	1 48	21 51	0 42	20 35	0 52	20 5	0 36	2 39	1 24	26 5	5 18	22 49	22 57	6 15	1 42	4 18
M29	15 54	16 44	3 21	14 42	0 15	16 48	0 24	16 16	1 49	21 49	0 42	20 34	0 52	20 5	0 36	2 39	1 24	26 5	5 18	22 48	22 57	6 18	1 43	4 18
T 30	16 12	20 11	2 14	15 19	0 8	17 12	0 22	16 8	1 51	21 48	0 42	20 33	0 52	20 5	0 36	2 38	1 24	26 5	5 18	22 48	22 57	6 20	1 44	4 18
W31	16s30	22s14	0s58	15s54	0n 1	17s34	0n20	16n 0	1n52	21s46	0s42	20s32	0s52	20n 5	0n36	2n37	1n24	26s 4	5s18	22s48	22s56	6n23	1s44	4n17

Julian Day Number = 2190677.5, Delta T = 10m46s
Ecliptic obliquity = 23°31'54, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'45, Lahiri = 13°53'45 Julian Calendar 1 Oct. 1285 == Greg. Calendar 8 Oct. 1285

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ASTRODIENST EPHEMERIS for the year 1285
geocentric

NOVEMBER 1285 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 10 43	16♏19'49	19♐33	15♏ 0	21♏33	22♌27	25♑54	2♒30	3°R17	26♍41	26♑50	16°D 3	17♐26	4♈48	15°R35	T 1
F 2	3 14 40	17°20'28	3♑17	16°36	22°48	22°55	26° 3	2°33	3♌17	26°42	26°51	16♐ 4	17°23	4°55	15♓35	F 2
S 3	3 18 36	18°21'08	16°34	18°11	24° 3	23°23	26°12	2°36	3°17	26°44	26°52	16° 5	17°19	5° 1	15°34	S 3
S 4	3 22 33	19°21'49	29°27	19°46	25°19	23°51	26°21	2°40	3°16	26°45	26°53	16° 7	17°16	5° 8	15°33	S 4
M 5	3 26 29	20°22'31	11♒59	21°20	26°34	24°18	26°31	2°44	3°16	26°47	26°54	16° 8	17°13	5°15	15°32	M 5
T 6	3 30 26	21°23'14	24°13	22°55	27°50	24°45	26°40	2°47	3°16	26°48	26°55	16°R 9	17°10	5°21	15°31	T 6
W 7	3 34 23	22°23'58	6♓16	24°29	29° 5	25°12	26°50	2°51	3°16	26°50	26°56	16° 8	17° 7	5°28	15°30	W 7
T 8	3 38 19	23°24'43	18°11	26° 3	0♐20	25°39	26°59	2°55	3°15	26°51	26°57	16° 6	17° 3	5°35	15°30	T 8
F 9	3 42 16	24°25'29	0♈ 2	27°37	1°36	26° 5	27° 9	2°59	3°15	26°53	26°58	16° 3	17° 0	5°42	15°29	F 9
S 10	3 46 12	25°26'17	11°55	29°11	2°51	26°31	27°19	3° 3	3°14	26°54	26°59	15°59	16°57	5°48	15°29	S 10
S 11	3 50 9	26°27'05	23°51	0♐45	4° 6	26°57	27°30	3° 7	3°14	26°55	27° 0	15°56	16°54	5°55	15°28	S 11
M12	3 54 5	27°27'55	5♉54	2°19	5°22	27°23	27°40	3°11	3°13	26°57	27° 1	15°53	16°51	6° 2	15°28	M12
T 13	3 58 2	28°28'45	18° 6	3°53	6°37	27°48	27°50	3°16	3°13	26°58	27° 2	15°50	16°48	6° 8	15°27	T 13
W14	4 1 58	29°29'37	0♊28	5°26	7°52	28°14	28° 1	3°20	3°12	26°59	27° 3	15°49	16°44	6°15	15°27	W14
T 15	4 5 55	0♐30'30	13° 1	7° 0	9° 8	28°38	28°11	3°24	3°11	27° 0	27° 4	15°D48	16°41	6°22	15°27	T 15
F 16	4 9 52	1°31'25	25°45	8°33	10°23	29° 3	28°22	3°29	3°10	27° 2	27° 6	15°48	16°38	6°29	15°27	F 16
S 17	4 13 48	2°32'20	8♋43	10° 7	11°39	29°27	28°33	3°33	3°10	27° 3	27° 7	15°49	16°35	6°35	15°27	S 17
S 18	4 17 45	3°33'17	21°53	11°41	12°54	29°51	28°44	3°38	3° 9	27° 4	27° 8	15°50	16°32	6°42	15°27	S 18
M19	4 21 41	4°34'14	5♌17	13°14	14° 9	0♍15	28°55	3°43	3° 8	27° 5	27° 9	15°51	16°29	6°49	15°D27	M19
T 20	4 25 38	5°35'13	18°54	14°48	15°25	0°38	29° 6	3°48	3° 7	27° 6	27°11	15°52	16°25	6°56	15°27	T 20
W21	4 29 34	6°36'13	2♍46	16°21	16°40	1° 1	29°17	3°53	3° 6	27° 7	27°12	15°R53	16°22	7° 2	15°27	W21
T 22	4 33 31	7°37'15	16°51	17°55	17°55	1°24	29°28	3°58	3° 5	27° 8	27°13	15°53	16°19	7° 9	15°27	T 22
F 23	4 37 27	8°38'17	1♎ 9	19°28	19°11	1°46	29°40	4° 3	3° 3	27° 9	27°14	15°52	16°16	7°16	15°27	F 23
S 24	4 41 24	9°39'21	15°36	21° 1	20°26	2° 8	29°51	4° 8	3° 2	27°10	27°16	15°51	16°13	7°22	15°27	S 24
S 25	4 45 21	10°40'25	0♏ 8	22°35	21°41	2°30	0♒ 3	4°13	3° 1	27°11	27°17	15°51	16° 9	7°29	15°28	S 25
M26	4 49 17	11°41'31	14°40	24° 8	22°57	2°51	0°15	4°18	3° 0	27°12	27°19	15°50	16° 6	7°36	15°28	M26
T 27	4 53 14	12°42'38	29° 7	25°41	24°12	3°12	0°26	4°23	2°58	27°13	27°20	15°50	16° 3	7°43	15°28	T 27
W28	4 57 10	13°43'45	13♐23	27°13	25°27	3°33	0°38	4°29	2°57	27°14	27°21	15°D50	16° 0	7°49	15°29	W28
T 29	5 1 7	14°44'53	27°22	28°46	26°43	3°53	0°50	4°34	2°55	27°14	27°23	15°50	15°57	7°56	15°29	T 29
F 30	5 5 3	15♐46'02	11♑ 1	0♑18	27♐58	4♍13	1♒ 2	4♒40	2♌54	27♍15	27♑24	15°R50	15♐54	8♈ 3	15♓30	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s47	22s48	0n19	16s29	0s 5	17s56	0n17	15n52	1n53	21s44	0s42	20s32	0s52	20n 5	0n36	2n37	1n24	26s 4	5s18	22s48	22s56	6n25	1s45	4n17
F 2	17 4	21 56	1 33	17 3	0 12	18 18	0 15	15 44	1 54	21 42	0 42	20 31	0 52	20 5	0 36	2 36	1 24	26 4	5 18	22 48	22 56	6 28	1 46	4 17
S 3	17 21	19 51	2 40	17 36	0 19	18 39	0 13	15 36	1 56	21 41	0 42	20 30	0 52	20 5	0 36	2 36	1 24	26 4	5 18	22 48	22 55	6 30	1 46	4 17
S 4	17 38	16 49	3 36	18 9	0 25	19 0	0 10	15 28	1 57	21 39	0 42	20 29	0 52	20 5	0 36	2 35	1 24	26 3	5 18	22 48	22 55	6 32	1 47	4 16
M 5	17 55	13 6	4 20	18 40	0 31	19 20	0 8	15 20	1 58	21 37	0 42	20 28	0 52	20 5	0 36	2 34	1 24	26 3	5 18	22 48	22 55	6 35	1 47	4 16
T 6	18 11	8 54	4 52	19 11	0 38	19 40	0 6	15 12	2 0	21 35	0 42	20 28	0 52	20 5	0 36	2 34	1 24	26 3	5 18	22 48	22 55	6 37	1 48	4 16
W 7	18 26	4 27	5 10	19 41	0 44	19 59	0 3	15 4	2 1	21 33	0 42	20 27	0 52	20 5	0 36	2 33	1 24	26 3	5 18	22 48	22 54	6 40	1 48	4 15
T 8	18 42	0n 8	5 14	20 9	0 50	20 17	0 1	14 56	2 2	21 31	0 42	20 26	0 52	20 5	0 36	2 33	1 25	26 2	5 18	22 48	22 54	6 42	1 49	4 15
F 9	18 57	4 41	5 5	20 37	0 56	20 35	0s 2	14 48	2 4	21 30	0 42	20 25	0 52	20 6	0 36	2 32	1 25	26 2	5 18	22 48	22 54	6 44	1 50	4 15
S 10	19 12	9 4	4 43	21 4	1 2	20 53	0 4	14 41	2 5	21 28	0 42	20 24	0 52	20 6	0 36	2 32	1 25	26 2	5 18	22 47	22 53	6 47	1 50	4 15
S 11	19 26	13 8	4 9	21 30	1 8	21 9	0 6	14 33	2 6	21 26	0 42	20 23	0 52	20 6	0 36	2 31	1 25	26 2	5 18	22 47	22 53	6 49	1 50	4 14
M12	19 40	16 43	3 23	21 54	1 14	21 25	0 9	14 25	2 8	21 23	0 42	20 22	0 52	20 6	0 36	2 31	1 25	26 1	5 18	22 47	22 53	6 52	1 51	4 14
T 13	19 54	19 38	2 27	22 18	1 19	21 41	0 11	14 18	2 9	21 21	0 42	20 21	0 52	20 6	0 36	2 30	1 25	26 1	5 17	22 47	22 52	6 54	1 51	4 14
W14	20 7	21 41	1 24	22 41	1 24	21 56	0 14	14 10	2 11	21 19	0 42	20 20	0 52	20 6	0 36	2 30	1 25	26 1	5 17	22 46	22 52	6 57	1 52	4 13
T 15	20 20	22 42	0 15	23 2	1 30	22 10	0 16	14 3	2 12	21 17	0 42	20 19	0 52	20 7	0 36	2 30	1 25	26 1	5 17	22 46	22 52	6 59	1 52	4 13
F 16	20 33	22 33	0s55	23 22	1 35	22 24	0 19	13 56	2 13	21 15	0 42	20 18	0 52	20 7	0 36	2 29	1 25	26 0	5 17	22 46	22 51	7 1	1 52	4 13
S 17	20 45	21 11	2 3	23 41	1 39	22 37	0 21	13 49	2 15	21 13	0 42	20 17	0 52	20 7	0 36	2 29	1 25	26 0	5 17	22 46	22 51	7 4	1 53	4 13
S 18	20 57	18 40	3 7	23 59	1 44	22 49	0 23	13 41	2 16	21 11	0 42	20 16	0 52	20 7	0 37	2 28	1 25	26 0	5 17	22 47	22 51	7 6	1 53	4 12
M19	21 8	15 7	4 1	24 16	1 48	23 1	0 26	13 34	2 18	21 8	0 42	20 15	0 52	20 8	0 37	2 28	1 25	25 59	5 17	22 47	22 50	7 9	1 53	4 12
T 20	21 19	10 44	4 43	24 31	1 52	23 12	0 28	13 27	2 19	21 6	0 42	20 13	0 52	20 8	0 37	2 27	1 25	25 59	5 17	22 47	22 50	7 11	1 54	4 12
W21	21 30	5 43	5 9	24 45	1 56	23 22	0 30	13 21	2 21	21 4	0 42	20 12	0 52	20 8	0 37	2 27	1 25	25 59	5 17	22 47	22 50	7 13	1 54	4 11
T 22	21 40	0 21	5 17	24 57	1 59	23 31	0 33	13 14	2 22	21 1	0 42	20 11	0 52	20 8	0 37	2 27	1 25	25 58	5 17	22 47	22 50	7 16	1 54	4 11
F 23	21 50	5s 8	5 6	25 9	2 2	23 40	0 35	13 7	2 24	20 59	0 42	20 10	0 52	20 9	0 37	2 26	1 25	25 58	5 17	22 47	22 49	7 18	1 54	4 11
S 24	21 59	10 23	4 35	25 19	2 5	23 48	0 37	13 1	2 25	20 56	0 42	20 9	0 52	20 9	0 37	2 26	1 25	25 58	5 17	22 47	22 49	7 20	1 54	4 11
S 25	22 8	15 6	3 47	25 27	2 8	23 56	0 39	12 54	2 27	20 54	0 42	20 7	0 52	20 9	0 37	2 26	1 25	25 58	5 17	22 47	22 49	7 23	1 54	4 10
M26	22 16	18 55	2 44	25 34	2 10	24 2	0 42	12 48	2 28	20 51	0 42	20 6	0 52	20 10	0 37	2 25	1 25	25 57	5 17	22 47	22 48	7 25	1 55	4 10
T 27	22 25	21 32	1 31	25 39	2 12	24 8	0 44	12 42	2 30	20 49	0 42	20 5	0 52	20 10	0 37	2 25	1 25	25 57	5 17	22 46	22 48	7 28	1 55	4 10
W28	22 32	22 43	0 14	25 43	2 13	24 13	0 46	12 36	2 32	20 46	0 42	20 4	0 52	20 10	0 37	2 25	1 26	25 57	5 17	22 46	22 48	7 30	1 55	4 9
T 29	22 39	22 27	1n 4	25 46	2 14	24 18	0 48	12 30	2 33	20 44	0 42	20 2	0 52	20 11	0 37	2 25	1 26	25 56	5 17	22 46	22 47	7 32	1 55	4 9
F 30	22s46	20s49	2n15	25s46	2s15	24s21	0s50	12n24	2n35	20s41	0s42	20s 1	0s52	20n11	0n37	2n24	1n26	25s56	5s17	22s46	22s47	7n35	1s55	4n 9

Julian Day Number = 2190708.5, Delta T = 10m46s
Ecliptic obliquity = 23°31'53, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'49, Lahiri = 13°53'50 Julian Calendar 1 Nov. 1285 == Greg. Calendar 8 Nov. 1285

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ASTRODIENST EPHEMERIS for the year 1285
geocentric

DECEMBER 1285 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 9 0	16♐47'11	24♑19	1♑50	29♐13	4♏32	1♒14	4♒45	2°R52	27♏16	27♑26	15°R50	15♐50	8♈ 9	15♓31	S 1
S 2	5 12 56	17°48'20	7♒15	3°21	0♑29	4°51	1°27	4°51	2♌51	27°17	27°27	15♐50	15°47	8°16	15°31	S 2
M 3	5 16 53	18°49'30	19°51	4°52	1°44	5°10	1°39	4°57	2°49	27°17	27°29	15°49	15°44	8°23	15°32	M 3
T 4	5 20 50	19°50'40	2♓ 9	6°21	2°59	5°28	1°51	5° 2	2°47	27°18	27°31	15°49	15°41	8°30	15°33	T 4
W 5	5 24 46	20°51'49	14°14	7°50	4°15	5°46	2° 4	5° 8	2°46	27°18	27°32	15°49	15°38	8°36	15°34	W 5
T 6	5 28 43	21°52'59	26°11	9°17	5°30	6° 3	2°16	5°14	2°44	27°19	27°34	15°D49	15°35	8°43	15°35	T 6
F 7	5 32 39	22°54'10	8♈ 3	10°43	6°45	6°20	2°29	5°20	2°42	27°20	27°35	15°49	15°31	8°50	15°36	F 7
S 8	5 36 36	23°55'20	19°55	12° 7	8° 0	6°36	2°41	5°26	2°40	27°20	27°37	15°50	15°28	8°56	15°37	S 8
S 9	5 40 32	24°56'30	1♉53	13°29	9°16	6°52	2°54	5°32	2°38	27°20	27°38	15°51	15°25	9° 3	15°38	S 9
M10	5 44 29	25°57'40	13°59	14°48	10°31	7° 8	3° 7	5°38	2°37	27°21	27°40	15°52	15°22	9°10	15°39	M10
T 11	5 48 25	26°58'50	26°18	16° 5	11°46	7°23	3°20	5°44	2°35	27°21	27°42	15°53	15°19	9°16	15°40	T 11
W12	5 52 22	28° 0'00	8♊52	17°18	13° 1	7°37	3°33	5°50	2°33	27°22	27°43	15°53	15°15	9°23	15°42	W12
T 13	5 56 19	29° 1'11	21°42	18°27	14°16	7°51	3°46	5°56	2°31	27°22	27°45	15°R53	15°12	9°30	15°43	T 13
F 14	6 0 15	0♋ 2'21	4♋49	19°31	15°32	8° 4	3°59	6° 3	2°29	27°22	27°47	15°53	15° 9	9°37	15°44	F 14
S 15	6 4 12	1° 3'32	18°12	20°29	16°47	8°17	4°12	6° 9	2°26	27°22	27°49	15°51	15° 6	9°43	15°46	S 15
S 16	6 8 8	2° 4'42	1♌49	21°21	18° 2	8°30	4°25	6°15	2°24	27°23	27°50	15°49	15° 3	9°50	15°47	S 16
M17	6 12 5	3° 5'53	15°38	22° 6	19°17	8°42	4°38	6°22	2°22	27°23	27°52	15°47	15° 0	9°57	15°49	M17
T 18	6 16 1	4° 7'03	29°37	22°43	20°32	8°53	4°52	6°28	2°20	27°23	27°54	15°44	14°56	10° 3	15°51	T 18
W19	6 19 58	5° 8'14	13♍41	23°11	21°48	9° 4	5° 5	6°35	2°18	27°23	27°55	15°42	14°53	10°10	15°52	W19
T 20	6 23 55	6° 9'25	27°50	23°30	23° 3	9°14	5°19	6°41	2°15	27°23	27°57	15°41	14°50	10°17	15°54	T 20
F 21	6 27 51	7°10'36	12♎ 0	23°R37	24°18	9°23	5°32	6°48	2°13	27°23	27°59	15°D41	14°47	10°24	15°56	F 21
S 22	6 31 48	8°11'47	26°10	23°33	25°33	9°32	5°46	6°54	2°11	27°R23	28° 1	15°42	14°44	10°30	15°57	S 22
S 23	6 35 44	9°12'58	10♏18	23°18	26°48	9°40	5°59	7° 1	2° 9	27°23	28° 3	15°43	14°41	10°37	15°59	S 23
M24	6 39 41	10°14'09	24°21	22°50	28° 3	9°48	6°13	7° 8	2° 6	27°23	28° 4	15°45	14°37	10°44	16° 1	M24
T 25	6 43 37	11°15'20	8♐18	22°12	29°18	9°55	6°26	7°14	2° 4	27°23	28° 6	15°46	14°34	10°50	16° 3	T 25
W26	6 47 34	12°16'31	22° 6	21°22	0♒33	10° 1	6°40	7°21	2° 1	27°23	28° 8	15°R46	14°31	10°57	16° 5	W26
T 27	6 51 30	13°17'41	5♑43	20°22	1°48	10° 7	6°54	7°28	1°59	27°23	28°10	15°44	14°28	11° 4	16° 7	T 27
F 28	6 55 27	14°18'51	19° 5	19°15	3° 3	10°12	7° 8	7°35	1°57	27°23	28°12	15°41	14°25	11°11	16° 9	F 28
S 29	6 59 24	15°20'01	2♒12	18° 2	4°18	10°16	7°21	7°42	1°54	27°22	28°14	15°37	14°21	11°17	16°11	S 29
S 30	7 3 20	16°21'10	15° 3	16°45	5°33	10°20	7°35	7°49	1°52	27°22	28°15	15°32	14°18	11°24	16°13	S 30
M31	7 7 17	17♑22'18	27♒36	15♑26	6♒48	10♏23	7♒49	7♒55	1♌49	27♏22	28♑17	15♐26	14♐15	11♈31	16♓16	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s52	18s 5	3n18	25s46	2s15	24s24	0s52	12n19	2n36	20s38	0s42	20s 0	0s52	20n11	0n37	2n24	1n26	25s56	5s17	22s46	22s47	7n37	1s55	4n 8	S 1
S 2	22 58	14 32	4 8	25 43	2 14	24 26	0 54	12 13	2 38	20 36	0 42	19 58	0 52	20 12	0 37	2 24	1 26	25 55	5 17	22 46	22 46	7 39	1 55	4 8	S 2
M 3	23 4	10 24	4 45	25 40	2 13	24 28	0 56	12 8	2 40	20 33	0 42	19 57	0 52	20 12	0 37	2 24	1 26	25 55	5 17	22 46	22 46	7 42	1 55	4 8	M 3
T 4	23 8	5 57	5 8	25 34	2 11	24 28	0 58	12 3	2 41	20 30	0 42	19 56	0 52	20 13	0 37	2 23	1 26	25 55	5 17	22 46	22 46	7 44	1 55	4 8	T 4
W 5	23 13	1 21	5 17	25 27	2 9	24 28	1 0	11 58	2 43	20 27	0 42	19 54	0 52	20 13	0 37	2 23	1 26	25 54	5 17	22 46	22 45	7 46	1 55	4 7	W 5
T 6	23 17	3n15	5 12	25 18	2 6	24 27	1 2	11 53	2 45	20 25	0 42	19 53	0 52	20 14	0 37	2 23	1 26	25 54	5 17	22 46	22 45	7 49	1 55	4 7	T 6
F 7	23 20	7 42	4 54	25 8	2 3	24 26	1 4	11 48	2 47	20 22	0 42	19 51	0 52	20 14	0 37	2 23	1 26	25 54	5 17	22 46	22 44	7 51	1 54	4 7	F 7
S 8	23 23	11 52	4 23	24 56	1 58	24 23	1 6	11 44	2 48	20 19	0 42	19 50	0 52	20 14	0 37	2 23	1 26	25 53	5 17	22 46	22 44	7 53	1 54	4 6	S 8
S 9	23 26	15 37	3 40	24 43	1 53	24 20	1 8	11 39	2 50	20 16	0 42	19 48	0 52	20 15	0 37	2 23	1 26	25 53	5 17	22 47	22 44	7 56	1 54	4 6	S 9
M10	23 28	18 46	2 48	24 29	1 47	24 16	1 9	11 35	2 52	20 13	0 42	19 47	0 52	20 15	0 37	2 23	1 26	25 53	5 17	22 47	22 43	7 58	1 54	4 6	M10
T 11	23 30	21 7	1 46	24 13	1 40	24 11	1 11	11 31	2 54	20 10	0 42	19 45	0 52	20 16	0 37	2 22	1 26	25 52	5 17	22 47	22 43	8 1	1 54	4 6	T 11
W12	23 31	22 30	0 39	23 56	1 32	24 6	1 13	11 27	2 55	20 7	0 42	19 44	0 52	20 16	0 37	2 22	1 26	25 52	5 17	22 47	22 43	8 3	1 54	4 5	W12
T 13	23 32	22 44	0s32	23 38	1 23	24 0	1 14	11 24	2 57	20 4	0 42	19 42	0 52	20 17	0 37	2 22	1 26	25 52	5 17	22 47	22 42	8 5	1 53	4 5	T 13
F 14	23 32	21 44	1 43	23 19	1 13	23 53	1 16	11 20	2 59	20 1	0 42	19 41	0 53	20 17	0 37	2 22	1 26	25 51	5 17	22 47	22 42	8 7	1 53	4 5	F 14
S 15	23 32	19 30	2 49	22 59	1 2	23 45	1 17	11 17	3 1	19 58	0 42	19 39	0 53	20 18	0 37	2 22	1 26	25 51	5 17	22 47	22 42	8 10	1 53	4 5	S 15
S 16	23 31	16 8	3 47	22 39	0 50	23 37	1 19	11 14	3 3	19 55	0 42	19 38	0 53	20 18	0 37	2 22	1 27	25 51	5 17	22 46	22 41	8 12	1 52	4 4	S 16
M17	23 30	11 52	4 33	22 19	0 37	23 28	1 20	11 11	3 5	19 51	0 42	19 36	0 53	20 19	0 37	2 22	1 27	25 50	5 17	22 46	22 41	8 14	1 52	4 4	M17
T 18	23 28	6 55	5 3	21 58	0 22	23 18	1 21	11 9	3 7	19 48	0 42	19 35	0 53	20 19	0 37	2 22	1 27	25 50	5 17	22 46	22 41	8 17	1 52	4 4	T 18
W19	23 26	1 35	5 15	21 38	0 7	23 7	1 23	11 7	3 8	19 45	0 42	19 33	0 53	20 20	0 37	2 22	1 27	25 50	5 17	22 46	22 40	8 19	1 51	4 3	W19
T 20	23 23	3s51	5 8	21 19	0n10	22 56	1 24	11 5	3 10	19 42	0 42	19 31	0 53	20 20	0 38	2 22	1 27	25 49	5 17	22 46	22 40	8 21	1 51	4 3	T 20
F 21	23 20	9 6	4 43	21 0	0 28	22 44	1 25	11 3	3 12	19 38	0 42	19 30	0 53	20 21	0 38	2 22	1 27	25 49	5 17	22 46	22 40	8 24	1 50	4 3	F 21
S 22	23 17	13 52	4 0	20 43	0 46	22 31	1 26	11 1	3 14	19 35	0 42	19 28	0 53	20 22	0 38	2 22	1 27	25 48	5 17	22 46	22 39	8 26	1 50	4 3	S 22
S 23	23 13	17 51	3 3	20 27	1 5	22 18	1 27	11 0	3 16	19 32	0 42	19 26	0 53	20 22	0 38	2 22	1 27	25 48	5 17	22 46	22 39	8 28	1 50	4 2	S 23
M24	23 8	20 47	1 55	20 13	1 24	22 4	1 28	10 59	3 18	19 28	0 42	19 25	0 53	20 23	0 38	2 22	1 27	25 48	5 17	22 46	22 38	8 31	1 49	4 2	M24
T 25	23 3	22 27	0 41	20 0	1 43	21 50	1 29	10 58	3 20	19 25	0 42	19 23	0 53	20 23	0 38	2 22	1 27	25 47	5 17	22 46	22 38	8 33	1 49	4 2	T 25
W26	22 58	22 43	0n35	19 50	2 2	21 34	1 30	10 57	3 22	19 22	0 42	19 21	0 53	20 24	0 38	2 23	1 27	25 47	5 17	22 46	22 38	8 35	1 48	4 2	W26
T 27	22 52	21 37	1 47	19 41	2 19	21 18	1 31	10 57	3 24	19 18	0 42	19 20	0 53	20 24	0 38	2 23	1 27	25 47	5 17	22 46	22 37	8 37	1 47	4 1	T 27
F 28	22 46	19 19	2 53	19 34	2 36	21 2	1 31	10 57	3 26	19 15	0 42	19 18	0 53	20 25	0 38	2 23	1 27	25 46	5 17	22 46	22 37	8 40	1 47	4 1	F 28
S 29	22 39	16 3	3 47	19 30	2 51	20 45	1 32	10 57	3 28	19 11	0 42	19 16	0 53	20 25	0 38	2 23	1 27	25 46	5 17	22 45	22 37	8 42	1 46	4 1	S 29
S 30	22 32	12 6	4 29	19 27	3 3	20 27	1 33	10 57	3 30	19 8	0 42	19 14	0 53	20 26	0 38	2 23	1 27	25 46	5 17	22 45	22 36	8 44	1 46	4 1	S 30
M31	22s24	7s42	4n57	19s26	3n14	20s 9	1s33	10n58	3n32	19s 4	0s42	19s13	0s53	20n27	0n38	2n23	1n27	25s45	5s17	22s44	22s36	8n47	1s45	4n 0	M31

Julian Day Number = 2190738.5, Delta T = 10m46s
Ecliptic obliquity = 23°31'52, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'53, Lahiri = 13°53'54 Julian Calendar 1 Dec. 1285 == Greg. Calendar 8 Dec. 1285

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ASTRODIENST EPHEMERIS for the year 1286
geocentric

JANUARY 1286 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 11 13	18♉23'25	9♓55	14°R 9	8♒ 3	10♍25	8♒ 3	8♒ 2	1°R47	27°R22	28♉19	15°R21	14♐12	11♈37	16♓18	T 1
W 2	7 15 10	19°24'31	22° 1	12♉55	9°18	10°26	8°17	8° 9	1♌44	27♍21	28°21	15♐16	14° 9	11°44	16°20	W 2
T 3	7 19 6	20°25'36	3♈58	11°47	10°33	10°R27	8°31	8°16	1°41	27°21	28°23	15°13	14° 6	11°51	16°23	T 3
F 4	7 23 3	21°26'41	15°49	10°45	11°48	10°27	8°45	8°23	1°39	27°20	28°25	15°11	14° 2	11°58	16°25	F 4
S 5	7 26 59	22°27'44	27°41	9°51	13° 3	10°26	8°59	8°30	1°36	27°20	28°27	15°D11	13°59	12° 4	16°27	S 5
S 6	7 30 56	23°28'47	9♉37	9° 6	14°18	10°24	9°13	8°37	1°34	27°19	28°28	15°12	13°56	12°11	16°30	S 6
M 7	7 34 53	24°29'48	21°43	8°30	15°33	10°22	9°28	8°45	1°31	27°19	28°30	15°14	13°53	12°18	16°32	M 7
T 8	7 38 49	25°30'48	4♊ 4	8° 3	16°48	10°19	9°42	8°52	1°29	27°18	28°32	15°16	13°50	12°24	16°35	T 8
W 9	7 42 46	26°31'47	16°44	7°45	18° 2	10°15	9°56	8°59	1°26	27°18	28°34	15°R16	13°47	12°31	16°38	W 9
T 10	7 46 42	27°32'45	29°45	7°36	19°17	10°10	10°10	9° 6	1°23	27°17	28°36	15°15	13°43	12°38	16°40	T 10
F 11	7 50 39	28°33'42	13♋ 9	7°D34	20°32	10° 5	10°24	9°13	1°21	27°16	28°38	15°12	13°40	12°44	16°43	F 11
S 12	7 54 35	29°34'38	26°54	7°41	21°47	9°59	10°39	9°20	1°18	27°16	28°40	15° 7	13°37	12°51	16°46	S 12
S 13	7 58 32	0♒35'32	10♌59	7°54	23° 1	9°52	10°53	9°27	1°15	27°15	28°42	15° 0	13°34	12°58	16°48	S 13
M14	8 2 28	1°36'26	25°19	8°14	24°16	9°44	11° 7	9°34	1°13	27°14	28°43	14°52	13°31	13° 5	16°51	M14
T 15	8 6 25	2°37'19	9♍47	8°40	25°31	9°35	11°21	9°42	1°10	27°14	28°45	14°45	13°27	13°11	16°54	T 15
W16	8 10 22	3°38'10	24°16	9°12	26°45	9°26	11°36	9°49	1° 8	27°13	28°47	14°38	13°24	13°18	16°57	W16
T 17	8 14 18	4°39'01	8♎43	9°48	28° 0	9°15	11°50	9°56	1° 5	27°12	28°49	14°33	13°21	13°25	17° 0	T 17
F 18	8 18 15	5°39'50	23° 1	10°30	29°14	9° 4	12° 4	10° 3	1° 2	27°11	28°51	14°30	13°18	13°31	17° 3	F 18
S 19	8 22 11	6°40'39	7♏ 8	11°15	0♓29	8°53	12°19	10°10	1° 0	27°10	28°53	14°D29	13°15	13°38	17° 6	S 19
S 20	8 26 8	7°41'27	21° 4	12° 4	1°43	8°40	12°33	10°18	0°57	27° 9	28°55	14°30	13°12	13°45	17° 9	S 20
M21	8 30 4	8°42'14	4♐48	12°57	2°58	8°27	12°47	10°25	0°55	27° 8	28°56	14°31	13° 8	13°52	17°12	M21
T 22	8 34 1	9°43'00	18°21	13°53	4°12	8°13	13° 2	10°32	0°52	27° 7	28°58	14°R31	13° 5	13°58	17°15	T 22
W23	8 37 57	10°43'45	1♑43	14°52	5°27	7°58	13°16	10°39	0°49	27° 6	29° 0	14°30	13° 2	14° 5	17°18	W23
T 24	8 41 54	11°44'29	14°54	15°54	6°41	7°42	13°31	10°47	0°47	27° 5	29° 2	14°26	12°59	14°12	17°21	T 24
F 25	8 45 51	12°45'11	27°54	16°58	7°55	7°26	13°45	10°54	0°44	27° 4	29° 4	14°19	12°56	14°18	17°24	F 25
S 26	8 49 47	13°45'52	10♒42	18° 4	9° 9	7° 9	13°59	11° 1	0°42	27° 3	29° 6	14°10	12°53	14°25	17°27	S 26
S 27	8 53 44	14°46'32	23°19	19°13	10°24	6°52	14°14	11° 8	0°39	27° 2	29° 8	13°59	12°49	14°32	17°30	S 27
M28	8 57 40	15°47'09	5♓44	20°24	11°38	6°33	14°28	11°15	0°37	27° 1	29° 9	13°47	12°46	14°38	17°34	M28
T 29	9 1 37	16°47'46	17°57	21°36	12°52	6°15	14°43	11°23	0°34	27° 0	29°11	13°35	12°43	14°45	17°37	T 29
W30	9 5 33	17°48'20	29°59	22°50	14° 6	5°55	14°57	11°30	0°32	26°59	29°13	13°24	12°40	14°52	17°40	W30
T 31	9 9 30	18♒48'53	11♈54	24♉ 6	15♓20	5♍35	15♒11	11♒37	0♌29	26♍57	29♉15	13♐15	12♐37	14♈59	17♓43	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s16	3s 5	5n10	19s26	3n22	19s50	1s34	10n59	3n34	19s 0	0s43	19s11	0s53	20n27	0n38	2n23	1n27	25s45	5s17	22s43	22s36	8n49	1s44	4n 0
W 2	22 7	1n34	5 10	19 28	3 27	19 30	1 34	11 0	3 36	18 57	0 43	19 9	0 53	20 28	0 38	2 24	1 28	25 45	5 17	22 43	22 35	8 51	1 44	4 0
T 3	21 58	6 6	4 55	19 31	3 30	19 10	1 34	11 2	3 38	18 53	0 43	19 7	0 53	20 28	0 38	2 24	1 28	25 44	5 17	22 42	22 35	8 53	1 43	4 0
F 4	21 49	10 22	4 29	19 36	3 31	18 50	1 35	11 4	3 40	18 50	0 43	19 6	0 53	20 29	0 38	2 24	1 28	25 44	5 17	22 42	22 34	8 56	1 42	3 59
S 5	21 39	14 16	3 50	19 41	3 29	18 28	1 35	11 6	3 42	18 46	0 43	19 4	0 53	20 30	0 38	2 24	1 28	25 44	5 17	22 42	22 34	8 58	1 42	3 59
S 6	21 29	17 37	3 2	19 48	3 26	18 7	1 35	11 8	3 44	18 42	0 43	19 2	0 53	20 30	0 38	2 25	1 28	25 43	5 17	22 42	22 34	9 0	1 41	3 59
M 7	21 18	20 16	2 5	19 55	3 20	17 45	1 35	11 11	3 45	18 38	0 43	19 0	0 53	20 31	0 38	2 25	1 28	25 43	5 18	22 43	22 33	9 2	1 40	3 59
T 8	21 7	22 2	1 1	20 4	3 14	17 22	1 35	11 14	3 47	18 35	0 43	18 58	0 53	20 31	0 38	2 25	1 28	25 43	5 18	22 43	22 33	9 5	1 39	3 58
W 9	20 56	22 44	0s 8	20 12	3 6	16 59	1 35	11 17	3 49	18 31	0 43	18 56	0 53	20 32	0 38	2 25	1 28	25 42	5 18	22 43	22 32	9 7	1 38	3 58
T 10	20 44	22 14	1 18	20 21	2 58	16 35	1 35	11 21	3 51	18 27	0 43	18 55	0 53	20 33	0 38	2 26	1 28	25 42	5 18	22 43	22 32	9 9	1 38	3 58
F 11	20 32	20 28	2 25	20 31	2 48	16 11	1 34	11 25	3 53	18 23	0 43	18 53	0 54	20 33	0 38	2 26	1 28	25 42	5 18	22 42	22 32	9 11	1 37	3 58
S 12	20 19	17 29	3 26	20 40	2 38	15 47	1 34	11 29	3 55	18 20	0 43	18 51	0 54	20 34	0 38	2 26	1 28	25 41	5 18	22 42	22 31	9 14	1 36	3 58
S 13	20 6	13 27	4 15	20 50	2 28	15 22	1 34	11 33	3 57	18 16	0 43	18 49	0 54	20 34	0 38	2 27	1 28	25 41	5 18	22 41	22 31	9 16	1 35	3 57
M14	19 53	8 35	4 50	20 59	2 17	14 57	1 33	11 38	3 58	18 12	0 43	18 47	0 54	20 35	0 38	2 27	1 28	25 41	5 18	22 40	22 31	9 18	1 34	3 57
T 15	19 39	3 12	5 6	21 8	2 7	14 31	1 33	11 43	4 0	18 8	0 43	18 45	0 54	20 35	0 38	2 27	1 28	25 40	5 18	22 39	22 30	9 20	1 33	3 57
W16	19 25	2s21	5 3	21 17	1 56	14 5	1 32	11 48	4 2	18 4	0 43	18 43	0 54	20 36	0 38	2 28	1 28	25 40	5 18	22 39	22 30	9 23	1 32	3 57
T 17	19 10	7 46	4 41	21 26	1 45	13 39	1 31	11 53	4 4	18 0	0 43	18 41	0 54	20 37	0 38	2 28	1 28	25 40	5 18	22 38	22 29	9 25	1 31	3 57
F 18	18 56	12 42	4 1	21 34	1 34	13 12	1 30	11 59	4 5	17 56	0 43	18 40	0 54	20 37	0 38	2 28	1 28	25 39	5 18	22 38	22 29	9 27	1 30	3 56
S 19	18 41	16 53	3 7	21 41	1 23	12 45	1 30	12 5	4 7	17 52	0 44	18 38	0 54	20 38	0 38	2 29	1 28	25 39	5 18	22 38	22 29	9 29	1 30	3 56
S 20	18 25	20 4	2 3	21 47	1 12	12 17	1 29	12 11	4 8	17 48	0 44	18 36	0 54	20 38	0 38	2 29	1 28	25 39	5 19	22 38	22 28	9 31	1 29	3 56
M21	18 9	22 2	0 52	21 53	1 1	11 49	1 28	12 17	4 10	17 44	0 44	18 34	0 54	20 39	0 38	2 30	1 28	25 39	5 19	22 38	22 28	9 34	1 28	3 56
T 22	17 53	22 41	0n21	21 58	0 51	11 21	1 27	12 24	4 11	17 40	0 44	18 32	0 54	20 40	0 38	2 30	1 29	25 38	5 19	22 38	22 27	9 36	1 27	3 56
W23	17 37	22 0	1 31	22 2	0 41	10 53	1 26	12 31	4 13	17 36	0 44	18 30	0 54	20 40	0 38	2 31	1 29	25 38	5 19	22 38	22 27	9 38	1 25	3 55
T 24	17 20	20 8	2 35	22 5	0 30	10 24	1 24	12 38	4 14	17 32	0 44	18 28	0 54	20 41	0 38	2 31	1 29	25 38	5 19	22 37	22 27	9 40	1 24	3 55
F 25	17 3	17 14	3 30	22 7	0 21	9 55	1 23	12 45	4 15	17 28	0 44	18 26	0 54	20 41	0 38	2 31	1 29	25 37	5 19	22 36	22 26	9 43	1 23	3 55
S 26	16 45	13 33	4 14	22 7	0 11	9 26	1 22	12 53	4 17	17 24	0 44	18 24	0 54	20 42	0 38	2 32	1 29	25 37	5 19	22 35	22 26	9 45	1 22	3 55
S 27	16 28	9 20	4 44	22 7	0 2	8 56	1 20	13 0	4 18	17 20	0 44	18 22	0 55	20 42	0 38	2 32	1 29	25 37	5 19	22 34	22 25	9 47	1 21	3 55
M28	16 10	4 48	5 0	22 6	0s 7	8 27	1 19	13 8	4 19	17 15	0 44	18 20	0 55	20 43	0 38	2 33	1 29	25 37	5 19	22 32	22 25	9 49	1 20	3 55
T 29	15 52	0 9	5 2	22 3	0 16	7 57	1 17	13 16	4 20	17 11	0 44	18 18	0 55	20 43	0 38	2 33	1 29	25 36	5 20	22 31	22 25	9 51	1 19	3 54
W30	15 33	4n26	4 51	22 0	0 25	7 27	1 16	13 24	4 21	17 7	0 44	18 17	0 55	20 44	0 38	2 34	1 29	25 36	5 20	22 30	22 24	9 53	1 18	3 54
T 31	15s15	8n49	4n26	21s55	0s33	6s56	1s14	13n33	4n21	17s 3	0s44	18s15	0s55	20n44	0n38	2n34	1n29	25s36	5s20	22s29	22s24	9n56	1s17	3n54

Julian Day Number = 2190769.5, Delta T = 10m46s
Ecliptic obliquity = 23°31'52, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°46'58, Lahiri = 13°53'58 Julian Calendar 1 Jan. 1286 == Greg. Calendar 8 Jan. 1286

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ASTRODIENST EPHEMERIS for the year 1286
geocentric

FEBRUARY 1286 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 13 26	19♒49'24	23♈45	25♉24	16♓34	5°R15	15♒26	11♒44	0°R27	26°R56	29♉17	13°R 9	12♐33	15♈ 5	17♓47	F 1
S 2	9 17 23	20°49'53	5♉34	26°43	17°48	4♍54	15°40	11°51	0♌24	26♍55	29°18	13♐ 6	12°30	15°12	17°50	S 2
S 3	9 21 20	21°50'20	17°28	28° 3	19° 2	4°32	15°55	11°59	0°22	26°54	29°20	13°D 5	12°27	15°19	17°53	S 3
M 4	9 25 16	22°50'46	29°31	29°24	20°16	4°10	16° 9	12° 6	0°20	26°52	29°22	13° 5	12°24	15°25	17°57	M 4
T 5	9 29 13	23°51'09	11♊49	0♒47	21°30	3°48	16°23	12°13	0°17	26°51	29°24	13°R 5	12°21	15°32	18° 0	T 5
W 6	9 33 9	24°51'31	24°27	2°12	22°44	3°26	16°38	12°20	0°15	26°50	29°25	13° 5	12°18	15°39	18° 4	W 6
T 7	9 37 6	25°51'50	7♋30	3°37	23°58	3° 3	16°52	12°27	0°13	26°48	29°27	13° 2	12°14	15°45	18° 7	T 7
F 8	9 41 2	26°52'08	21° 0	5° 4	25°12	2°40	17° 6	12°34	0°10	26°47	29°29	12°57	12°11	15°52	18°11	F 8
S 9	9 44 59	27°52'23	4♌58	6°31	26°25	2°16	17°21	12°41	0° 8	26°46	29°30	12°50	12° 8	15°59	18°14	S 9
S 10	9 48 55	28°52'37	19°20	8° 0	27°39	1°53	17°35	12°48	0° 6	26°44	29°32	12°40	12° 5	16° 6	18°18	S 10
M11	9 52 52	29°52'48	4♍ 3	9°30	28°52	1°29	17°49	12°55	0° 4	26°43	29°34	12°29	12° 2	16°12	18°21	M11
T 12	9 56 49	0♓52'58	18°58	11° 1	0♈ 6	1° 6	18° 3	13° 2	0° 1	26°41	29°35	12°17	11°58	16°19	18°25	T 12
W13	10 0 45	1°53'06	3♎55	12°34	1°19	0°42	18°18	13° 9	29♋59	26°40	29°37	12° 7	11°55	16°26	18°28	W13
T 14	10 4 42	2°53'12	18°46	14° 7	2°33	0°18	18°32	13°16	29°57	26°38	29°39	11°59	11°52	16°32	18°32	T 14
F 15	10 8 38	3°53'17	3♏23	15°42	3°46	29♌55	18°46	13°23	29°55	26°37	29°40	11°54	11°49	16°39	18°35	F 15
S 16	10 12 35	4°53'20	17°42	17°17	4°59	29°31	19° 0	13°30	29°53	26°35	29°42	11°51	11°46	16°46	18°39	S 16
S 17	10 16 31	5°53'22	1♐41	18°54	6°13	29° 7	19°14	13°37	29°51	26°34	29°44	11°50	11°43	16°52	18°42	S 17
M18	10 20 28	6°53'22	15°21	20°32	7°26	28°44	19°28	13°44	29°49	26°32	29°45	11°50	11°39	16°59	18°46	M18
T 19	10 24 24	7°53'20	28°42	22°11	8°39	28°21	19°42	13°51	29°47	26°31	29°47	11°49	11°36	17° 6	18°50	T 19
W20	10 28 21	8°53'17	11♑48	23°51	9°52	27°58	19°56	13°58	29°45	26°29	29°48	11°47	11°33	17°13	18°53	W20
T 21	10 32 18	9°53'12	24°39	25°32	11° 5	27°36	20°10	14° 4	29°44	26°28	29°50	11°42	11°30	17°19	18°57	T 21
F 22	10 36 14	10°53'05	7♒20	27°14	12°18	27°14	20°24	14°11	29°42	26°26	29°51	11°34	11°27	17°26	19° 1	F 22
S 23	10 40 11	11°52'57	19°50	28°58	13°31	26°52	20°38	14°18	29°40	26°25	29°53	11°22	11°24	17°33	19° 4	S 23
S 24	10 44 7	12°52'46	2♓11	0♓43	14°44	26°31	20°52	14°24	29°38	26°23	29°54	11° 9	11°20	17°39	19° 8	S 24
M25	10 48 4	13°52'33	14°23	2°28	15°57	26°10	21° 6	14°31	29°37	26°21	29°56	10°55	11°17	17°46	19°11	M25
T 26	10 52 0	14°52'19	26°27	4°15	17° 9	25°50	21°20	14°38	29°35	26°20	29°57	10°40	11°14	17°53	19°15	T 26
W27	10 55 57	15°52'02	8♈24	6° 4	18°22	25°30	21°34	14°44	29°33	26°18	29°59	10°27	11°11	17°59	19°19	W27
T 28	10 59 53	16♓51'43	20♈16	7♓53	19♈35	25♌11	21♒47	14♒51	29♋32	26♍16	29♉59	10♐16	11♐ 8	18♈ 6	19♓22	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14s56	12n49	3n51	21s49	0s41	6s26	1s13	13n41	4n22	16s59	0s45	18s13	0s55	20n45	0n38	2n35	1n29	25s35	5s20	22s28	22s23	9n58	1s16	3n54
S 2	14 36	16 21	3 6	21 42	0 49	5 55	1 11	13 49	4 23	16 55	0 45	18 11	0 55	20 45	0 38	2 35	1 29	25 35	5 20	22 27	22 23	10 0	1 14	3 54
S 3	14 17	19 13	2 12	21 33	0 56	5 24	1 9	13 58	4 23	16 50	0 45	18 9	0 55	20 46	0 38	2 36	1 29	25 35	5 20	22 27	22 23	10 2	1 13	3 54
M 4	13 57	21 17	1 12	21 23	1 3	4 54	1 7	14 6	4 24	16 46	0 45	18 7	0 55	20 47	0 38	2 37	1 29	25 35	5 20	22 27	22 22	10 4	1 12	3 53
T 5	13 37	22 24	0 7	21 12	1 10	4 23	1 5	14 15	4 24	16 42	0 45	18 5	0 55	20 47	0 38	2 37	1 29	25 34	5 20	22 27	22 22	10 7	1 11	3 53
W 6	13 17	22 25	1s 0	20 59	1 16	3 51	1 3	14 23	4 24	16 38	0 45	18 3	0 55	20 48	0 38	2 38	1 29	25 34	5 21	22 27	22 21	10 9	1 10	3 53
T 7	12 57	21 14	2 6	20 45	1 23	3 20	1 1	14 32	4 24	16 33	0 45	18 1	0 55	20 48	0 38	2 38	1 29	25 34	5 21	22 27	22 21	10 11	1 8	3 53
F 8	12 36	18 49	3 7	20 30	1 28	2 49	0 59	14 40	4 24	16 29	0 45	17 59	0 56	20 48	0 38	2 39	1 29	25 34	5 21	22 26	22 20	10 13	1 7	3 53
S 9	12 16	15 15	3 58	20 14	1 34	2 17	0 56	14 48	4 24	16 25	0 45	17 57	0 56	20 49	0 38	2 39	1 29	25 34	5 21	22 25	22 20	10 15	1 6	3 53
S 10	11 55	10 42	4 37	19 56	1 39	1 46	0 54	14 57	4 24	16 21	0 45	17 55	0 56	20 49	0 38	2 40	1 29	25 33	5 21	22 24	22 20	10 17	1 5	3 53
M11	11 33	5 26	4 58	19 36	1 44	1 14	0 52	15 5	4 24	16 16	0 45	17 53	0 56	20 50	0 38	2 41	1 29	25 33	5 21	22 23	22 19	10 19	1 4	3 52
T 12	11 12	0s12	4 59	19 16	1 48	0 43	0 49	15 13	4 23	16 12	0 46	17 51	0 56	20 50	0 38	2 41	1 29	25 33	5 21	22 21	22 19	10 22	1 2	3 52
W13	10 51	5 50	4 40	18 54	1 52	0 11	0 47	15 21	4 23	16 8	0 46	17 50	0 56	20 51	0 38	2 42	1 29	25 33	5 22	22 20	22 18	10 24	1 1	3 52
T 14	10 29	11 6	4 2	18 30	1 56	0n20	0 44	15 29	4 22	16 3	0 46	17 48	0 56	20 51	0 38	2 42	1 29	25 32	5 22	22 19	22 18	10 26	1 0	3 52
F 15	10 7	15 38	3 8	18 5	1 59	0 52	0 42	15 37	4 21	15 59	0 46	17 46	0 56	20 52	0 38	2 43	1 29	25 32	5 22	22 18	22 17	10 28	0 58	3 52
S 16	9 45	19 9	2 4	17 39	2 2	1 23	0 39	15 45	4 21	15 55	0 46	17 44	0 56	20 52	0 38	2 44	1 29	25 32	5 22	22 18	22 17	10 30	0 57	3 52
S 17	9 23	21 27	0 53	17 11	2 4	1 55	0 37	15 52	4 20	15 50	0 46	17 42	0 56	20 52	0 38	2 44	1 29	25 32	5 22	22 18	22 17	10 32	0 56	3 52
M18	9 1	22 25	0n19	16 42	2 7	2 26	0 34	16 0	4 19	15 46	0 46	17 40	0 56	20 53	0 38	2 45	1 30	25 32	5 22	22 18	22 16	10 34	0 54	3 52
T 19	8 39	22 4	1 28	16 12	2 8	2 58	0 31	16 7	4 18	15 42	0 46	17 38	0 57	20 53	0 38	2 46	1 30	25 31	5 23	22 18	22 16	10 37	0 53	3 52
W20	8 16	20 30	2 31	15 40	2 10	3 29	0 28	16 14	4 16	15 37	0 46	17 36	0 57	20 54	0 38	2 46	1 30	25 31	5 23	22 17	22 15	10 39	0 52	3 52
T 21	7 53	17 54	3 25	15 6	2 10	4 1	0 26	16 20	4 15	15 33	0 47	17 34	0 57	20 54	0 38	2 47	1 30	25 31	5 23	22 16	22 15	10 41	0 50	3 51
F 22	7 31	14 30	4 9	14 31	2 11	4 32	0 23	16 27	4 14	15 29	0 47	17 33	0 57	20 54	0 38	2 48	1 30	25 31	5 23	22 15	22 14	10 43	0 49	3 51
S 23	7 8	10 30	4 39	13 55	2 11	5 3	0 20	16 33	4 12	15 24	0 47	17 31	0 57	20 55	0 38	2 48	1 30	25 31	5 23	22 14	22 14	10 45	0 48	3 51
S 24	6 45	6 8	4 56	13 18	2 10	5 34	0 17	16 39	4 11	15 20	0 47	17 29	0 57	20 55	0 38	2 49	1 30	25 31	5 23	22 12	22 14	10 47	0 46	3 51
M25	6 22	1 34	4 59	12 39	2 9	6 5	0 14	16 44	4 9	15 16	0 47	17 27	0 57	20 55	0 38	2 49	1 30	25 31	5 24	22 10	22 13	10 49	0 45	3 51
T 26	5 59	3n 0	4 48	11 58	2 8	6 36	0 11	16 50	4 7	15 11	0 47	17 25	0 57	20 56	0 38	2 50	1 30	25 30	5 24	22 8	22 13	10 51	0 44	3 51
W27	5 36	7 24	4 25	11 16	2 6	7 7	0 8	16 55	4 5	15 7	0 47	17 23	0 57	20 56	0 38	2 51	1 30	25 30	5 24	22 6	22 12	10 53	0 42	3 51
T 28	5s12	11n30	3n51	10s33	2s 4	7n37	0s 5	17n 0	4n 3	15s 3	0s47	17s22	0s58	20n56	0n38	2n51	1n30	25s30	5s24	22s 4	22s12	10n55	0s41	3n51

Julian Day Number = 2190800.5, Delta T = 10m46s
Ecliptic obliquity = 23°31'52, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'02, Lahiri = 13°54'02 Julian Calendar 1 Feb. 1286 == Greg. Calendar 8 Feb. 1286

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ASTRODIENST EPHEMERIS for the year 1286
geocentric

MARCH 1286 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 3 50	17♓51'22	2♉ 5	9♓44	20♈47	24°R52	22♒ 1	14♒57	29°R30	26°R15	0♒ 1	10°R 8	11♐ 4	18♈13	19♓26	F 1
S 2	11 7 46	18°50'59	13°53	11°36	22° 0	24♌34	22°15	15° 4	29♋29	26♍13	0° 3	10♐ 3	11° 1	18°19	19°30	S 2
S 3	11 11 43	19°50'33	25°46	13°29	23°12	24°17	22°28	15°10	29°28	26°12	0° 4	10° 0	10°58	18°26	19°33	S 3
M 4	11 15 40	20°50'05	7♊47	15°24	24°24	24° 0	22°42	15°16	29°26	26°10	0° 5	10°D 0	10°55	18°33	19°37	M 4
T 5	11 19 36	21°49'35	20° 2	17°19	25°37	23°44	22°55	15°23	29°25	26° 8	0° 7	10°R 0	10°52	18°40	19°41	T 5
W 6	11 23 33	22°49'03	2♋36	19°16	26°49	23°29	23° 9	15°29	29°24	26° 7	0° 8	9°59	10°49	18°46	19°44	W 6
T 7	11 27 29	23°48'28	15°34	21°14	28° 1	23°14	23°22	15°35	29°22	26° 5	0° 9	9°58	10°45	18°53	19°48	T 7
F 8	11 31 26	24°47'51	29° 1	23°13	29°13	23° 0	23°36	15°41	29°21	26° 3	0°10	9°54	10°42	19° 0	19°52	F 8
S 9	11 35 22	25°47'11	12♌57	25°13	0♉25	22°47	23°49	15°48	29°20	26° 2	0°12	9°47	10°39	19° 6	19°55	S 9
S 10	11 39 19	26°46'29	27°22	27°14	1°36	22°35	24° 2	15°54	29°19	26° 0	0°13	9°38	10°36	19°13	19°59	S 10
M11	11 43 15	27°45'45	12♍13	29°16	2°48	22°23	24°15	16° 0	29°18	25°58	0°14	9°28	10°33	19°20	20° 3	M11
T 12	11 47 12	28°44'59	27°21	1♈18	4° 0	22°13	24°29	16° 6	29°17	25°57	0°15	9°17	10°29	19°26	20° 6	T 12
W13	11 51 9	29°44'10	12♎36	3°22	5°11	22° 3	24°42	16°12	29°16	25°55	0°16	9° 8	10°26	19°33	20°10	W13
T 14	11 55 5	0♈43'20	27°47	5°25	6°23	21°53	24°55	16°17	29°15	25°53	0°17	9° 0	10°23	19°40	20°14	T 14
F 15	11 59 2	1°42'28	12♏44	7°29	7°34	21°45	25° 8	16°23	29°14	25°52	0°18	8°55	10°20	19°46	20°17	F 15
S 16	12 2 58	2°41'34	27°20	9°32	8°46	21°37	25°21	16°29	29°14	25°50	0°19	8°53	10°17	19°53	20°21	S 16
S 17	12 6 55	3°40'38	11♐32	11°35	9°57	21°30	25°33	16°35	29°13	25°48	0°20	8°D53	10°14	20° 0	20°24	S 17
M18	12 10 51	4°39'40	25°19	13°38	11° 8	21°24	25°46	16°40	29°12	25°47	0°21	8°53	10°10	20° 7	20°28	M18
T 19	12 14 48	5°38'41	8♑41	15°39	12°19	21°19	25°59	16°46	29°12	25°45	0°22	8°R53	10° 7	20°13	20°32	T 19
W20	12 18 44	6°37'40	21°43	17°39	13°30	21°14	26°12	16°51	29°11	25°44	0°23	8°52	10° 4	20°20	20°35	W20
T 21	12 22 41	7°36'37	4♒27	19°38	14°41	21°11	26°24	16°57	29°11	25°42	0°24	8°49	10° 1	20°27	20°39	T 21
F 22	12 26 38	8°35'32	16°56	21°34	15°51	21° 8	26°37	17° 2	29°10	25°40	0°25	8°43	9°58	20°33	20°42	F 22
S 23	12 30 34	9°34'25	29°13	23°28	17° 2	21° 5	26°49	17° 8	29°10	25°39	0°26	8°35	9°55	20°40	20°46	S 23
S 24	12 34 31	10°33'16	11♓21	25°19	18°13	21° 4	27° 1	17°13	29° 9	25°37	0°27	8°25	9°51	20°47	20°49	S 24
M25	12 38 27	11°32'06	23°23	27° 7	19°23	21°D 3	27°14	17°18	29° 9	25°36	0°28	8°14	9°48	20°53	20°53	M25
T 26	12 42 24	12°30'53	5♈19	28°52	20°33	21° 3	27°26	17°23	29° 9	25°34	0°29	8° 3	9°45	21° 0	20°56	T 26
W27	12 46 20	13°29'39	17°11	0♉33	21°44	21° 4	27°38	17°28	29° 9	25°32	0°29	7°53	9°42	21° 7	21° 0	W27
T 28	12 50 17	14°28'22	29° 0	2°10	22°54	21° 6	27°50	17°33	29° 8	25°31	0°30	7°45	9°39	21°13	21° 3	T 28
F 29	12 54 13	15°27'04	10♉49	3°42	24° 4	21° 8	28° 2	17°38	29° 8	25°29	0°31	7°39	9°35	21°20	21° 6	F 29
S 30	12 58 10	16°25'43	22°40	5°11	25°14	21°11	28°14	17°43	29°D 8	25°28	0°32	7°35	9°32	21°27	21°10	S 30
S 31	13 2 6	17♈24'20	4♊35	6♉34	26♉24	21♌14	28♒26	17♒48	29♋ 8	25♍26	0♒32	7°D34	9♐29	21♈34	21♓13	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4s49	15n 9	3n 6	9s49	2s 1	8n 7	0s 1	17n 4	4n 1	14s58	0s47	17s20	0s58	20n57	0n38	2n52	1n30	25s30	5s24	22s 3	22s11	10n58	0s40	3n51
S 2	4 26	18 11	2 14	9 3	1 57	8 38	0n 2	17 8	3 59	14 54	0 48	17 18	0 58	20 57	0 38	2 53	1 30	25 30	5 24	22 3	22 11	11 0	0 38	3 51
S 3	4 2	20 29	1 15	8 16	1 54	9 7	0 5	17 12	3 57	14 50	0 48	17 16	0 58	20 57	0 37	2 53	1 30	25 30	5 25	22 2	22 10	11 2	0 37	3 51
M 4	3 39	21 53	0 12	7 27	1 49	9 37	0 8	17 16	3 55	14 45	0 48	17 14	0 58	20 57	0 37	2 54	1 30	25 30	5 25	22 2	22 10	11 4	0 35	3 51
T 5	3 15	22 16	0s53	6 37	1 44	10 7	0 11	17 19	3 53	14 41	0 48	17 13	0 58	20 58	0 37	2 55	1 30	25 30	5 25	22 2	22 10	11 6	0 34	3 51
W 6	2 52	21 33	1 57	5 46	1 39	10 36	0 15	17 22	3 51	14 37	0 48	17 11	0 58	20 58	0 37	2 55	1 30	25 29	5 25	22 2	22 9	11 8	0 33	3 51
T 7	2 28	19 42	2 57	4 54	1 33	11 5	0 18	17 25	3 49	14 32	0 48	17 9	0 58	20 58	0 37	2 56	1 30	25 29	5 25	22 2	22 9	11 10	0 31	3 51
F 8	2 4	16 42	3 49	4 1	1 26	11 34	0 21	17 28	3 46	14 28	0 48	17 7	0 59	20 58	0 37	2 57	1 30	25 29	5 26	22 1	22 8	11 12	0 30	3 50
S 9	1 41	12 41	4 30	3 7	1 19	12 2	0 24	17 30	3 44	14 24	0 49	17 6	0 59	20 59	0 37	2 57	1 30	25 29	5 26	22 0	22 8	11 14	0 28	3 50
S 10	1 17	7 48	4 55	2 11	1 11	12 31	0 28	17 32	3 42	14 20	0 49	17 4	0 59	20 59	0 37	2 58	1 30	25 29	5 26	21 59	22 7	11 16	0 27	3 50
M11	0 54	2 21	5 2	1 15	1 3	12 59	0 31	17 33	3 39	14 15	0 49	17 2	0 59	20 59	0 37	2 59	1 30	25 29	5 26	21 57	22 7	11 18	0 26	3 50
T 12	0 30	3s20	4 47	0 18	0 54	13 26	0 34	17 34	3 37	14 11	0 49	17 1	0 59	20 59	0 37	2 59	1 30	25 29	5 26	21 56	22 6	11 20	0 24	3 50
W13	0 6	8 52	4 13	0n39	0 45	13 54	0 38	17 35	3 34	14 7	0 49	16 59	0 59	20 59	0 37	3 0	1 30	25 29	5 27	21 54	22 6	11 22	0 23	3 50
T 14	0n17	13 50	3 20	1 37	0 35	14 21	0 41	17 36	3 32	14 3	0 49	16 57	0 59	21 0	0 37	3 1	1 30	25 29	5 27	21 53	22 5	11 24	0 21	3 50
F 15	0 41	17 51	2 14	2 35	0 25	14 47	0 44	17 36	3 29	13 58	0 49	16 56	0 59	21 0	0 37	3 1	1 30	25 29	5 27	21 52	22 5	11 26	0 20	3 50
S 16	1 4	20 38	1 1	3 34	0 15	15 14	0 48	17 37	3 27	13 54	0 50	16 54	1 0	21 0	0 37	3 2	1 30	25 29	5 27	21 52	22 5	11 28	0 19	3 50
S 17	1 28	22 1	0n14	4 32	0 4	15 40	0 51	17 36	3 24	13 50	0 50	16 53	1 0	21 0	0 37	3 3	1 30	25 29	5 27	21 52	22 4	11 31	0 17	3 50
M18	1 52	22 0	1 26	5 30	0n 7	16 5	0 55	17 36	3 22	13 46	0 50	16 51	1 0	21 0	0 37	3 3	1 30	25 29	5 28	21 52	22 4	11 33	0 16	3 50
T 19	2 15	20 43	2 32	6 28	0 18	16 31	0 58	17 35	3 19	13 42	0 50	16 49	1 0	21 0	0 37	3 4	1 30	25 29	5 28	21 52	22 3	11 35	0 14	3 50
W20	2 38	18 21	3 28	7 25	0 30	16 55	1 1	17 34	3 17	13 37	0 50	16 48	1 0	21 0	0 37	3 5	1 30	25 29	5 28	21 52	22 3	11 37	0 13	3 50
T 21	3 2	15 9	4 12	8 21	0 41	17 20	1 5	17 33	3 14	13 33	0 50	16 46	1 0	21 0	0 37	3 5	1 30	25 29	5 28	21 51	22 2	11 39	0 12	3 50
F 22	3 25	11 20	4 43	9 15	0 53	17 44	1 8	17 32	3 11	13 29	0 51	16 45	1 0	21 0	0 37	3 6	1 30	25 29	5 29	21 50	22 2	11 41	0 10	3 50
S 23	3 48	7 6	5 0	10 8	1 4	18 7	1 11	17 30	3 9	13 25	0 51	16 43	1 1	21 0	0 37	3 7	1 30	25 29	5 29	21 49	22 1	11 43	0 9	3 50
S 24	4 12	2 39	5 4	11 0	1 15	18 31	1 14	17 28	3 6	13 21	0 51	16 42	1 1	21 1	0 37	3 7	1 30	25 29	5 29	21 48	22 1	11 45	0 8	3 50
M25	4 35	1n51	4 54	11 50	1 26	18 53	1 18	17 26	3 4	13 17	0 51	16 40	1 1	21 1	0 37	3 8	1 30	25 29	5 29	21 46	22 0	11 47	0 6	3 50
T 26	4 58	6 16	4 31	12 37	1 37	19 15	1 21	17 24	3 1	13 13	0 51	16 39	1 1	21 1	0 37	3 9	1 30	25 29	5 29	21 44	22 0	11 49	0 5	3 50
W27	5 21	10 24	3 57	13 23	1 47	19 37	1 24	17 21	2 59	13 9	0 51	16 38	1 1	21 1	0 37	3 9	1 30	25 29	5 30	21 42	21 59	11 51	0 3	3 50
T 28	5 44	14 9	3 12	14 6	1 57	19 58	1 27	17 18	2 56	13 5	0 52	16 36	1 1	21 1	0 37	3 10	1 30	25 29	5 30	21 41	21 59	11 53	0 2	3 50
F 29	6 6	17 19	2 19	14 46	2 6	20 19	1 30	17 15	2 54	13 1	0 52	16 35	1 1	21 1	0 37	3 10	1 30	25 29	5 30	21 40	21 58	11 55	0 1	3 50
S 30	6 29	19 47	1 19	15 24	2 15	20 39	1 34	17 12	2 51	12 57	0 52	16 33	1 2	21 1	0 37	3 11	1 30	25 29	5 30	21 40	21 58	11 57	0n 1	3 50
S 31	6n52	21n24	0n16	16n 0	2n22	20n59	1n37	17n 8	2n49	12s53	0s52	16s32	1s 2	21n 1	0n37	3n12	1n30	25s29	5s31	21s39	21s57	11n59	0n 2	3n50

Julian Day Number = 2190828.5, Delta T = 10m46s
Ecliptic obliquity = 23°31'53, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'06, Lahiri = 13°54'06 Julian Calendar 1 March 1286 == Greg. Calendar 8 March 1286

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ASTRODIENST EPHEMERIS for the year 1286
geocentric

APRIL 1286 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 6 3	18♈22'56	16♊39	7♉53	27♉33	21♌19	28♒37	17♒53	29♋ 8	25°R25	0♒33	7♐34	9♐26	21♈40	21♓17	M 1
T 2	13 10 0	19°21'29	28°55	9° 7	28°43	21°24	28°49	17°57	29° 9	25♍23	0°33	7°35	9°23	21°47	21°20	T 2
W 3	13 13 56	20°20'00	11♋29	10°15	29°52	21°30	29° 1	18° 2	29° 9	25°22	0°34	7°37	9°20	21°54	21°23	W 3
T 4	13 17 53	21°18'28	24°23	11°19	1♊ 2	21°36	29°12	18° 6	29° 9	25°20	0°35	7°R37	9°16	22° 0	21°27	T 4
F 5	13 21 49	22°16'55	7♌43	12°17	2°11	21°43	29°23	18°11	29° 9	25°19	0°35	7°36	9°13	22° 7	21°30	F 5
S 6	13 25 46	23°15'19	21°31	13°10	3°20	21°51	29°35	18°15	29°10	25°17	0°36	7°33	9°10	22°14	21°33	S 6
S 7	13 29 42	24°13'41	5♍48	13°57	4°29	21°59	29°46	18°20	29°10	25°16	0°36	7°28	9° 7	22°20	21°36	S 7
M 8	13 33 39	25°12'00	20°31	14°39	5°38	22° 8	29°57	18°24	29°11	25°15	0°37	7°22	9° 4	22°27	21°39	M 8
T 9	13 37 35	26°10'18	5♎34	15°15	6°46	22°17	0♓ 8	18°28	29°11	25°13	0°37	7°16	9° 1	22°34	21°43	T 9
W10	13 41 32	27° 8'34	20°49	15°46	7°55	22°27	0°19	18°32	29°12	25°12	0°37	7°10	8°57	22°40	21°46	W10
T 11	13 45 29	28° 6'48	6♏ 5	16°11	9° 3	22°38	0°30	18°36	29°12	25°11	0°38	7° 6	8°54	22°47	21°49	T 11
F 12	13 49 25	29° 5'00	21°12	16°30	10°11	22°49	0°40	18°40	29°13	25° 9	0°38	7° 3	8°51	22°54	21°52	F 12
S 13	13 53 22	0♉ 3'11	6♐ 1	16°44	11°19	23° 1	0°51	18°44	29°14	25° 8	0°39	7°D 2	8°48	23° 0	21°55	S 13
S 14	13 57 18	1° 1'20	20°26	16°52	12°27	23°13	1° 1	18°47	29°14	25° 7	0°39	7° 3	8°45	23° 7	21°58	S 14
M15	14 1 15	1°59'28	4♊25	16°R55	13°35	23°26	1°12	18°51	29°15	25° 5	0°39	7° 4	8°41	23°14	22° 1	M15
T 16	14 5 11	2°57'34	17°56	16°53	14°43	23°39	1°22	18°55	29°16	25° 4	0°39	7° 6	8°38	23°21	22° 4	T 16
W17	14 9 8	3°55'39	1♒ 2	16°46	15°50	23°53	1°32	18°58	29°17	25° 3	0°40	7°R 6	8°35	23°27	22° 7	W17
T 18	14 13 4	4°53'42	13°46	16°34	16°57	24° 8	1°42	19° 2	29°18	25° 2	0°40	7° 6	8°32	23°34	22°10	T 18
F 19	14 17 1	5°51'44	26°13	16°17	18° 5	24°22	1°52	19° 5	29°19	25° 1	0°40	7° 4	8°29	23°41	22°13	F 19
S 20	14 20 58	6°49'44	8♓25	15°57	19°11	24°38	2° 2	19° 8	29°20	24°59	0°40	7° 1	8°26	23°47	22°16	S 20
S 21	14 24 54	7°47'43	20°27	15°32	20°18	24°54	2°12	19°11	29°21	24°58	0°40	6°57	8°22	23°54	22°18	S 21
M22	14 28 51	8°45'40	2♈22	15° 4	21°25	25°10	2°21	19°14	29°22	24°57	0°40	6°52	8°19	24° 1	22°21	M22
T 23	14 32 47	9°43'37	14°13	14°34	22°31	25°27	2°31	19°17	29°24	24°56	0°40	6°47	8°16	24° 7	22°24	T 23
W24	14 36 44	10°41'31	26° 2	14° 1	23°37	25°44	2°40	19°20	29°25	24°55	0°R40	6°43	8°13	24°14	22°27	W24
T 25	14 40 40	11°39'24	7♉52	13°27	24°44	26° 2	2°49	19°23	29°26	24°54	0°40	6°40	8°10	24°21	22°29	T 25
F 26	14 44 37	12°37'16	19°44	12°52	25°49	26°20	2°58	19°26	29°28	24°53	0°40	6°37	8° 6	24°27	22°32	F 26
S 27	14 48 33	13°35'06	1♊41	12°16	26°55	26°38	3° 7	19°28	29°29	24°52	0°40	6°D36	8° 3	24°34	22°34	S 27
S 28	14 52 30	14°32'55	13°45	11°41	28° 0	26°57	3°16	19°31	29°31	24°51	0°40	6°36	8° 0	24°41	22°37	S 28
M29	14 56 27	15°30'42	25°58	11° 6	29° 6	27°16	3°25	19°33	29°32	24°50	0°40	6°37	7°57	24°47	22°39	M29
T 30	15 0 23	16♉28'28	8♋23	10♉33	0♋11	27♌36	3♓34	19♒35	29♋34	24♍49	0♒40	6♐39	7♐54	24♈54	22♓42	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n14	22n 3	0s49	16n33	2n29	21n18	1n40	17n 4	2n46	12s49	0s52	16s31	1s 2	21n 0	0n37	3n12	1n30	25s29	5s31	21s39	21s57	12n 1	0n 3	3n50
T 2	7 36	21 39	1 53	17 2	2 36	21 37	1 43	17 1	2 44	12 45	0 53	16 30	1 2	21 0	0 37	3 13	1 30	25 29	5 31	21 40	21 57	12 3	0 5	3 50
W 3	7 58	20 10	2 53	17 30	2 41	21 55	1 46	16 56	2 42	12 41	0 53	16 28	1 2	21 0	0 37	3 13	1 30	25 29	5 31	21 40	21 56	12 5	0 6	3 51
T 4	8 21	17 37	3 46	17 54	2 45	22 13	1 49	16 52	2 39	12 37	0 53	16 27	1 2	21 0	0 37	3 14	1 30	25 30	5 31	21 40	21 56	12 7	0 7	3 51
F 5	8 42	14 5	4 29	18 15	2 49	22 30	1 51	16 47	2 37	12 33	0 53	16 26	1 3	21 0	0 37	3 14	1 30	25 30	5 32	21 40	21 55	12 9	0 9	3 51
S 6	9 4	9 41	4 58	18 34	2 51	22 46	1 54	16 43	2 34	12 30	0 53	16 25	1 3	21 0	0 37	3 15	1 30	25 30	5 32	21 39	21 55	12 10	0 10	3 51
S 7	9 26	4 37	5 9	18 50	2 52	23 2	1 57	16 38	2 32	12 26	0 54	16 23	1 3	21 0	0 37	3 16	1 30	25 30	5 32	21 38	21 54	12 12	0 11	3 51
M 8	9 47	0s51	5 1	19 2	2 53	23 17	2 0	16 33	2 30	12 22	0 54	16 22	1 3	21 0	0 37	3 16	1 30	25 30	5 32	21 37	21 54	12 14	0 13	3 51
T 9	10 9	6 23	4 33	19 12	2 52	23 32	2 3	16 27	2 27	12 19	0 54	16 21	1 3	21 0	0 37	3 17	1 30	25 30	5 33	21 36	21 53	12 16	0 14	3 51
W10	10 30	11 37	3 45	19 19	2 50	23 46	2 5	16 22	2 25	12 15	0 54	16 20	1 3	21 0	0 37	3 17	1 30	25 30	5 33	21 35	21 53	12 18	0 15	3 51
T 11	10 51	16 7	2 40	19 24	2 46	24 0	2 8	16 16	2 23	12 11	0 54	16 19	1 4	20 59	0 37	3 18	1 30	25 30	5 33	21 35	21 52	12 20	0 17	3 51
F 12	11 11	19 30	1 25	19 25	2 42	24 13	2 10	16 10	2 21	12 8	0 55	16 18	1 4	20 59	0 36	3 18	1 30	25 31	5 33	21 34	21 52	12 22	0 18	3 51
S 13	11 32	21 29	0 6	19 24	2 36	24 25	2 13	16 4	2 18	12 4	0 55	16 17	1 4	20 59	0 36	3 19	1 30	25 31	5 34	21 34	21 51	12 24	0 19	3 51
S 14	11 52	21 59	1n12	19 19	2 29	24 36	2 15	15 58	2 16	12 0	0 55	16 16	1 4	20 59	0 36	3 19	1 30	25 31	5 34	21 34	21 51	12 26	0 20	3 51
M15	12 13	21 4	2 24	19 13	2 21	24 47	2 17	15 52	2 14	11 57	0 55	16 15	1 4	20 59	0 36	3 20	1 30	25 31	5 34	21 34	21 50	12 28	0 22	3 51
T 16	12 33	18 57	3 25	19 3	2 12	24 58	2 20	15 46	2 12	11 53	0 55	16 14	1 4	20 59	0 36	3 20	1 30	25 31	5 34	21 35	21 50	12 30	0 23	3 51
W17	12 53	15 53	4 13	18 51	2 1	25 7	2 22	15 39	2 10	11 50	0 56	16 13	1 5	20 58	0 36	3 21	1 29	25 31	5 34	21 35	21 49	12 32	0 24	3 51
T 18	13 12	12 10	4 47	18 36	1 50	25 16	2 24	15 32	2 8	11 47	0 56	16 12	1 5	20 58	0 36	3 21	1 29	25 32	5 35	21 35	21 49	12 34	0 25	3 51
F 19	13 32	8 1	5 7	18 19	1 37	25 25	2 26	15 25	2 5	11 43	0 56	16 11	1 5	20 58	0 36	3 21	1 29	25 32	5 35	21 34	21 48	12 36	0 27	3 52
S 20	13 51	3 37	5 13	18 0	1 23	25 33	2 28	15 18	2 3	11 40	0 56	16 10	1 5	20 58	0 36	3 22	1 29	25 32	5 35	21 34	21 48	12 38	0 28	3 52
S 21	14 10	0n52	5 4	17 38	1 8	25 40	2 30	15 11	2 1	11 37	0 56	16 10	1 5	20 57	0 36	3 22	1 29	25 32	5 35	21 33	21 47	12 40	0 29	3 52
M22	14 29	5 16	4 43	17 15	0 53	25 46	2 31	15 3	1 59	11 33	0 57	16 9	1 5	20 57	0 36	3 23	1 29	25 32	5 36	21 32	21 47	12 41	0 30	3 52
T 23	14 47	9 27	4 9	16 51	0 36	25 52	2 33	14 56	1 57	11 30	0 57	16 8	1 6	20 57	0 36	3 23	1 29	25 33	5 36	21 32	21 46	12 43	0 31	3 52
W24	15 5	13 16	3 25	16 25	0 20	25 57	2 35	14 48	1 55	11 27	0 57	16 7	1 6	20 56	0 36	3 24	1 29	25 33	5 36	21 31	21 46	12 45	0 32	3 52
T 25	15 23	16 34	2 32	15 59	0 3	26 1	2 36	14 40	1 53	11 24	0 57	16 7	1 6	20 56	0 36	3 24	1 29	25 33	5 36	21 30	21 45	12 47	0 34	3 52
F 26	15 41	19 12	1 32	15 31	0s15	26 5	2 37	14 32	1 51	11 21	0 58	16 6	1 6	20 56	0 36	3 24	1 29	25 33	5 37	21 30	21 45	12 49	0 35	3 52
S 27	15 59	21 1	0 27	15 4	0 32	26 8	2 39	14 24	1 49	11 18	0 58	16 5	1 6	20 55	0 36	3 25	1 29	25 33	5 37	21 30	21 44	12 51	0 36	3 52
S 28	16 16	21 53	0s39	14 36	0 50	26 11	2 40	14 16	1 48	11 15	0 58	16 5	1 7	20 55	0 36	3 25	1 29	25 34	5 37	21 30	21 44	12 53	0 37	3 52
M29	16 33	21 43	1 45	14 10	1 7	26 13	2 41	14 7	1 46	11 12	0 58	16 4	1 7	20 55	0 36	3 25	1 29	25 34	5 37	21 30	21 43	12 55	0 38	3 53
T 30	16n50	20n30	2s47	13n43	1s23	26n14	2n42	13n58	1n44	11s 9	0s59	16s 3	1s 7	20n54	0n36	3n26	1n29	25s34	5s37	21s30	21s43	12n57	0n39	3n53

Julian Day Number = 2190859.5, Delta T = 10m46s
Ecliptic obliquity = 23°31'52, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'10, Lahiri = 13°54'10 Julian Calendar 1 Apr. 1286 == Greg. Calendar 8 Apr. 1286

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1286
geocentric

MAY 1286 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 4 20	17♉26'12	21♋ 3	10°R 2	1♋16	27♌56	3♓42	19♒38	29♋35	24°R48	0°R40	6♐40	7♐51	25♈ 1	22♓44	W 1
T 2	15 8 16	18°23'54	4♌ 0	9♉33	2°20	28°17	3°50	19°40	29°37	24♍48	0♒40	6°41	7°47	25° 7	22°47	T 2
F 3	15 12 13	19°21'35	17°19	9° 8	3°24	28°38	3°59	19°42	29°39	24°47	0°39	6°R42	7°44	25°14	22°49	F 3
S 4	15 16 9	20°19'14	1♍ 0	8°45	4°28	28°59	4° 7	19°44	29°41	24°46	0°39	6°42	7°41	25°21	22°51	S 4
S 5	15 20 6	21°16'51	15° 6	8°27	5°32	29°20	4°15	19°46	29°42	24°45	0°39	6°41	7°38	25°27	22°54	S 5
M 6	15 24 2	22°14'27	29°33	8°12	6°36	29°42	4°22	19°47	29°44	24°44	0°38	6°39	7°35	25°34	22°56	M 6
T 7	15 27 59	23°12'01	14♎20	8° 1	7°39	0♍ 5	4°30	19°49	29°46	24°44	0°38	6°38	7°32	25°41	22°58	T 7
W 8	15 31 56	24° 9'34	29°19	7°55	8°42	0°27	4°37	19°51	29°48	24°43	0°38	6°36	7°28	25°48	23° 0	W 8
T 9	15 35 52	25° 7'05	14♏24	7°D53	9°45	0°50	4°45	19°52	29°50	24°42	0°37	6°35	7°25	25°54	23° 2	T 9
F 10	15 39 49	26° 4'36	29°24	7°56	10°47	1°13	4°52	19°54	29°52	24°42	0°37	6°D34	7°22	26° 1	23° 4	F 10
S 11	15 43 45	27° 2'05	14♐13	8° 3	11°50	1°37	4°59	19°55	29°54	24°41	0°37	6°34	7°19	26° 8	23° 6	S 11
S 12	15 47 42	27°59'33	28°42	8°14	12°51	2° 1	5° 6	19°56	29°56	24°41	0°36	6°35	7°16	26°14	23° 8	S 12
M13	15 51 38	28°57'01	12♑46	8°30	13°53	2°25	5°13	19°57	29°59	24°40	0°36	6°36	7°12	26°21	23°10	M13
T 14	15 55 35	29°54'27	26°25	8°51	14°54	2°50	5°19	19°58	0♌ 1	24°40	0°35	6°36	7° 9	26°28	23°12	T 14
W15	15 59 31	0♊51'53	9♒38	9°16	15°55	3°14	5°26	19°59	0° 3	24°39	0°35	6°37	7° 6	26°34	23°14	W15
T 16	16 3 28	1°49'18	22°28	9°45	16°55	3°39	5°32	20° 0	0° 5	24°39	0°34	6°37	7° 3	26°41	23°16	T 16
F 17	16 7 25	2°46'42	4♓57	10°18	17°56	4° 5	5°38	20° 1	0° 8	24°38	0°34	6°R37	7° 0	26°48	23°18	F 17
S 18	16 11 21	3°44'06	17° 9	10°55	18°56	4°30	5°44	20° 1	0°10	24°38	0°33	6°37	6°57	26°54	23°19	S 18
S 19	16 15 18	4°41'29	29°10	11°37	19°55	4°56	5°50	20° 2	0°13	24°38	0°32	6°37	6°53	27° 1	23°21	S 19
M20	16 19 14	5°38'51	11♈ 3	12°22	20°54	5°22	5°56	20° 2	0°15	24°37	0°32	6°37	6°50	27° 8	23°23	M20
T 21	16 23 11	6°36'13	22°52	13°11	21°53	5°49	6° 1	20° 2	0°18	24°37	0°31	6°D37	6°47	27°14	23°24	T 21
W22	16 27 7	7°33'34	4♉42	14° 4	22°51	6°15	6° 6	20° 3	0°20	24°37	0°30	6°37	6°44	27°21	23°26	W22
T 23	16 31 4	8°30'54	16°34	15° 1	23°49	6°42	6°12	20° 3	0°23	24°37	0°30	6°37	6°41	27°28	23°27	T 23
F 24	16 35 0	9°28'14	28°33	16° 1	24°46	7° 9	6°16	20°R 3	0°25	24°36	0°29	6°37	6°38	27°34	23°29	F 24
S 25	16 38 57	10°25'33	10♊40	17° 4	25°43	7°37	6°21	20° 3	0°28	24°36	0°28	6°R37	6°34	27°41	23°30	S 25
S 26	16 42 54	11°22'52	22°56	18°11	26°40	8° 5	6°26	20° 2	0°31	24°36	0°27	6°37	6°31	27°48	23°31	S 26
M27	16 46 50	12°20'10	5♋25	19°22	27°36	8°32	6°30	20° 2	0°33	24°36	0°26	6°36	6°28	27°54	23°32	M27
T 28	16 50 47	13°17'27	18° 6	20°35	28°32	9° 1	6°35	20° 2	0°36	24°36	0°26	6°36	6°25	28° 1	23°34	T 28
W29	16 54 43	14°14'43	1♌ 1	21°52	29°27	9°29	6°39	20° 1	0°39	24°D36	0°25	6°35	6°22	28° 8	23°35	W29
T 30	16 58 40	15°11'59	14°11	23°12	0♌21	9°58	6°43	20° 1	0°42	24°36	0°24	6°34	6°18	28°14	23°36	T 30
F 31	17 2 36	16♊ 9'13	27♌37	24♉36	1♌15	10♍26	6♓46	20♒ 0	0♌45	24♍36	0♒23	6♐33	6♐15	28♈21	23♓37	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17n 6	18n14	3s41	13n18	1s39	26n14	2n43	13n50	1n42	11s 6	0s59	16s 3	1s 7	20n54	0n36	3n26	1n29	25s34	5s38	21s30	21s42	12n58	0n40	3n53
T 2	17 22	15 1	4 26	12 55	1 55	26 14	2 43	13 41	1 40	11 3	0 59	16 2	1 7	20 54	0 36	3 26	1 29	25 35	5 38	21 31	21 42	13 0	0 41	3 53
F 3	17 38	10 58	4 58	12 33	2 10	26 13	2 44	13 32	1 38	11 1	0 59	16 2	1 7	20 53	0 36	3 27	1 29	25 35	5 38	21 31	21 41	13 2	0 42	3 53
S 4	17 54	6 15	5 15	12 13	2 23	26 12	2 45	13 23	1 37	10 58	1 0	16 1	1 8	20 53	0 36	3 27	1 29	25 35	5 38	21 31	21 41	13 4	0 43	3 53
S 5	18 9	1 5	5 13	11 55	2 36	26 10	2 45	13 14	1 35	10 55	1 0	16 1	1 8	20 52	0 36	3 27	1 29	25 36	5 39	21 30	21 40	13 6	0 44	3 53
M 6	18 24	4s16	4 52	11 39	2 48	26 7	2 45	13 4	1 33	10 53	1 0	16 1	1 8	20 52	0 36	3 27	1 29	25 36	5 39	21 30	21 39	13 8	0 45	3 53
T 7	18 39	9 31	4 11	11 25	2 59	26 4	2 45	12 55	1 31	10 50	1 0	16 0	1 8	20 52	0 36	3 28	1 29	25 36	5 39	21 30	21 39	13 10	0 46	3 53
W 8	18 53	14 16	3 12	11 14	3 8	26 0	2 45	12 45	1 30	10 47	1 1	16 0	1 8	20 51	0 36	3 28	1 29	25 36	5 39	21 30	21 38	13 11	0 47	3 54
T 9	19 7	18 8	2 0	11 5	3 17	25 55	2 45	12 35	1 28	10 45	1 1	16 0	1 9	20 51	0 36	3 28	1 29	25 37	5 39	21 29	21 38	13 13	0 48	3 54
F 10	19 21	20 45	0 40	10 59	3 24	25 50	2 45	12 25	1 26	10 43	1 1	15 59	1 9	20 50	0 36	3 28	1 29	25 37	5 40	21 29	21 37	13 15	0 49	3 54
S 11	19 34	21 54	0n42	10 55	3 30	25 44	2 45	12 15	1 25	10 40	1 1	15 59	1 9	20 50	0 36	3 29	1 29	25 37	5 40	21 29	21 37	13 17	0 50	3 54
S 12	19 47	21 32	2 0	10 54	3 36	25 38	2 44	12 5	1 23	10 38	1 2	15 59	1 9	20 49	0 36	3 29	1 29	25 38	5 40	21 29	21 36	13 19	0 51	3 54
M13	20 0	19 48	3 8	10 55	3 40	25 31	2 44	11 55	1 21	10 36	1 2	15 59	1 9	20 49	0 36	3 29	1 29	25 38	5 40	21 30	21 36	13 21	0 52	3 54
T 14	20 13	16 58	4 3	10 59	3 43	25 23	2 43	11 45	1 20	10 34	1 2	15 59	1 10	20 48	0 36	3 29	1 29	25 38	5 41	21 30	21 35	13 23	0 53	3 54
W15	20 25	13 21	4 43	11 5	3 45	25 15	2 42	11 34	1 18	10 31	1 2	15 59	1 10	20 48	0 36	3 29	1 29	25 39	5 41	21 30	21 35	13 24	0 54	3 55
T 16	20 36	9 13	5 8	11 13	3 46	25 7	2 41	11 23	1 16	10 29	1 3	15 59	1 10	20 47	0 36	3 29	1 29	25 39	5 41	21 30	21 34	13 26	0 54	3 55
F 17	20 48	4 49	5 17	11 23	3 46	24 58	2 40	11 13	1 15	10 27	1 3	15 59	1 10	20 47	0 36	3 29	1 29	25 39	5 41	21 30	21 34	13 28	0 55	3 55
S 18	20 59	0 18	5 12	11 35	3 46	24 48	2 38	11 2	1 13	10 25	1 3	15 59	1 10	20 46	0 36	3 30	1 28	25 40	5 41	21 30	21 33	13 30	0 56	3 55
S 19	21 9	4n 9	4 53	11 49	3 44	24 38	2 37	10 51	1 12	10 24	1 4	15 59	1 11	20 46	0 36	3 30	1 28	25 40	5 42	21 30	21 33	13 32	0 57	3 55
M20	21 20	8 24	4 22	12 5	3 42	24 27	2 35	10 40	1 10	10 22	1 4	15 59	1 11	20 45	0 36	3 30	1 28	25 40	5 42	21 30	21 32	13 33	0 58	3 55
T 21	21 30	12 19	3 40	12 23	3 38	24 16	2 33	10 29	1 9	10 20	1 4	15 59	1 11	20 45	0 36	3 30	1 28	25 41	5 42	21 30	21 32	13 35	0 58	3 55
W22	21 39	15 46	2 48	12 42	3 34	24 4	2 31	10 18	1 7	10 18	1 4	15 59	1 11	20 44	0 36	3 30	1 28	25 41	5 42	21 30	21 31	13 37	0 59	3 56
T 23	21 49	18 36	1 49	13 3	3 30	23 52	2 29	10 6	1 6	10 17	1 5	15 59	1 11	20 43	0 36	3 30	1 28	25 41	5 42	21 30	21 30	13 39	1 0	3 56
F 24	21 57	20 38	0 45	13 26	3 24	23 39	2 27	9 55	1 4	10 15	1 5	15 59	1 12	20 43	0 35	3 30	1 28	25 42	5 43	21 30	21 30	13 41	1 0	3 56
S 25	22 6	21 46	0s22	13 50	3 18	23 26	2 24	9 43	1 3	10 13	1 5	15 59	1 12	20 42	0 35	3 30	1 28	25 42	5 43	21 30	21 29	13 42	1 1	3 56
S 26	22 14	21 51	1 29	14 15	3 12	23 13	2 21	9 31	1 1	10 12	1 6	16 0	1 12	20 42	0 35	3 30	1 28	25 43	5 43	21 30	21 29	13 44	1 2	3 56
M27	22 22	20 52	2 33	14 41	3 4	22 59	2 19	9 20	1 0	10 11	1 6	16 0	1 12	20 41	0 35	3 30	1 28	25 43	5 43	21 30	21 28	13 46	1 2	3 56
T 28	22 29	18 50	3 30	15 8	2 56	22 45	2 16	9 8	0 59	10 9	1 6	16 0	1 12	20 40	0 35	3 30	1 28	25 43	5 44	21 30	21 28	13 48	1 3	3 56
W29	22 36	15 48	4 18	15 36	2 48	22 30	2 12	8 56	0 57	10 8	1 6	16 1	1 12	20 40	0 35	3 30	1 28	25 44	5 44	21 29	21 27	13 49	1 4	3 57
T 30	22 42	11 57	4 53	16 5	2 39	22 15	2 9	8 43	0 56	10 7	1 7	16 1	1 13	20 39	0 35	3 30	1 28	25 44	5 44	21 29	21 27	13 51	1 4	3 57
F 31	22n48	7n27	5s13	16n34	2s30	22n 0	2n 5	8n31	0n54	10s 6	1s 7	16s 1	1s13	20n39	0n35	3n30	1n28	25s44	5s44	21s29	21s26	13n53	1n 5	3n57

Julian Day Number = 2190889.5, Delta T = 10m46s
Ecliptic obliquity = 23°31'51, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'14, Lahiri = 13°54'14 Julian Calendar 1 May 1286 == Greg. Calendar 8 May 1286

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ASTRODIENST EPHEMERIS for the year 1286
geocentric

JUNE 1286 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 6 33	17♊ 6'27	11♍20	26♉ 2	2♌ 9	10♍55	6♓50	19°R59	0♌47	24♍36	0°R22	6°D33	6♐12	28♈28	23♓38	S 1
S 2	17 10 29	18° 3'40	25°18	27°32	3° 1	11°25	6°53	19♒58	0°50	24°36	0♒21	6♐33	6° 9	28°34	23°39	S 2
M 3	17 14 26	19° 0'53	9♎32	29° 5	3°54	11°54	6°57	19°57	0°53	24°36	0°20	6°33	6° 6	28°41	23°40	M 3
T 4	17 18 23	19°58'04	23°59	0♊41	4°45	12°24	7° 0	19°56	0°56	24°37	0°19	6°34	6° 3	28°48	23°41	T 4
W 5	17 22 19	20°55'15	8♏36	2°20	5°36	12°54	7° 3	19°55	0°59	24°37	0°18	6°35	5°59	28°54	23°41	W 5
T 6	17 26 16	21°52'26	23°18	4° 2	6°26	13°24	7° 5	19°54	1° 2	24°37	0°17	6°36	5°56	29° 1	23°42	T 6
F 7	17 30 12	22°49'36	7♐58	5°47	7°16	13°54	7° 8	19°53	1° 5	24°37	0°16	6°R36	5°53	29° 8	23°43	F 7
S 8	17 34 9	23°46'46	22°31	7°35	8° 5	14°24	7°10	19°51	1° 9	24°38	0°15	6°36	5°50	29°14	23°44	S 8
S 9	17 38 5	24°43'55	6♑51	9°25	8°53	14°55	7°12	19°50	1°12	24°38	0°14	6°34	5°47	29°21	23°44	S 9
M10	17 42 2	25°41'05	20°52	11°19	9°40	15°26	7°14	19°48	1°15	24°38	0°13	6°32	5°44	29°28	23°45	M10
T 11	17 45 59	26°38'14	4♒31	13°14	10°26	15°57	7°16	19°46	1°18	24°39	0°12	6°29	5°40	29°35	23°45	T 11
W12	17 49 55	27°35'23	17°46	15°13	11°12	16°28	7°17	19°45	1°21	24°39	0°11	6°27	5°37	29°41	23°46	W12
T 13	17 53 52	28°32'33	0♓39	17°13	11°56	16°59	7°19	19°43	1°25	24°40	0°10	6°24	5°34	29°48	23°46	T 13
F 14	17 57 48	29°29'42	13°10	19°16	12°40	17°31	7°20	19°41	1°28	24°40	0° 9	6°22	5°31	29°55	23°46	F 14
S 15	18 1 45	0♋26'52	25°25	21°21	13°23	18° 2	7°21	19°39	1°31	24°41	0° 8	6°D21	5°28	0♉ 1	23°47	S 15
S 16	18 5 41	1°24'02	7♈26	23°27	14° 5	18°34	7°21	19°36	1°34	24°41	0° 6	6°21	5°24	0° 8	23°47	S 16
M17	18 9 38	2°21'12	19°19	25°34	14°46	19° 6	7°22	19°34	1°38	24°42	0° 5	6°22	5°21	0°15	23°47	M17
T 18	18 13 34	3°18'23	1♉ 9	27°43	15°25	19°39	7°22	19°32	1°41	24°42	0° 4	6°24	5°18	0°21	23°47	T 18
W19	18 17 31	4°15'34	13° 0	29°52	16° 4	20°11	7°R22	19°29	1°44	24°43	0° 3	6°25	5°15	0°28	23°R47	W19
T 20	18 21 27	5°12'45	24°56	2♋ 2	16°42	20°43	7°22	19°27	1°48	24°44	0° 2	6°27	5°12	0°35	23°47	T 20
F 21	18 25 24	6° 9'57	7♊ 1	4°12	17°18	21°16	7°22	19°24	1°51	24°44	0° 0	6°R27	5° 9	0°41	23°47	F 21
S 22	18 29 21	7° 7'09	19°19	6°21	17°53	21°49	7°22	19°22	1°55	24°45	29♑59	6°27	5° 5	0°48	23°47	S 22
S 23	18 33 17	8° 4'21	1♋51	8°31	18°27	22°22	7°21	19°19	1°58	24°46	29°58	6°24	5° 2	0°55	23°47	S 23
M24	18 37 14	9° 1'34	14°39	10°39	19° 0	22°55	7°20	19°16	2° 2	24°47	29°57	6°21	4°59	1° 1	23°47	M24
T 25	18 41 10	9°58'47	27°41	12°47	19°31	23°28	7°19	19°13	2° 5	24°48	29°55	6°16	4°56	1° 8	23°46	T 25
W26	18 45 7	10°56'00	10♌59	14°54	20° 1	24° 2	7°18	19°10	2° 9	24°48	29°54	6°10	4°53	1°15	23°46	W26
T 27	18 49 3	11°53'13	24°30	17° 0	20°29	24°36	7°17	19° 7	2°12	24°49	29°53	6° 5	4°50	1°21	23°46	T 27
F 28	18 53 0	12°50'27	8♍13	19° 4	20°56	25° 9	7°15	19° 4	2°16	24°50	29°51	6° 0	4°46	1°28	23°45	F 28
S 29	18 56 57	13°47'40	22° 7	21° 7	21°21	25°43	7°13	19° 1	2°19	24°51	29°50	5°57	4°43	1°35	23°45	S 29
S 30	19 0 53	14♋44'54	6♎ 8	23♋ 9	21♌44	26♍17	7♓12	18♒58	2♌23	24♍52	29♑49	5♐55	4♐40	1♉41	23♓44	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n54	2n29	5s16	17n 4	2s20	21n44	2n 1	8n19	0n53	10s 5	1s 7	16s 2	1s13	20n38	0n35	3n30	1n28	25s45	5s44	21s29	21s26	13n55	1n 5	3n57
S 2	23 0	2s43	5 0	17 35	2 10	21 28	1 58	8 7	0 52	10 4	1 8	16 2	1 13	20 37	0 35	3 30	1 28	25 45	5 44	21 29	21 25	13 57	1 6	3 57
M 3	23 4	7 52	4 26	18 6	1 59	21 11	1 53	7 54	0 50	10 3	1 8	16 3	1 13	20 37	0 35	3 30	1 28	25 46	5 45	21 29	21 24	13 58	1 6	3 57
T 4	23 9	12 40	3 35	18 37	1 48	20 55	1 49	7 41	0 49	10 2	1 8	16 3	1 14	20 36	0 35	3 29	1 28	25 46	5 45	21 29	21 24	14 0	1 7	3 58
W 5	23 13	16 46	2 29	19 7	1 37	20 38	1 44	7 29	0 48	10 1	1 9	16 4	1 14	20 35	0 35	3 29	1 28	25 46	5 45	21 29	21 23	14 2	1 7	3 58
T 6	23 17	19 51	1 13	19 38	1 26	20 20	1 40	7 16	0 47	10 0	1 9	16 4	1 14	20 35	0 35	3 29	1 28	25 47	5 45	21 30	21 23	14 3	1 8	3 58
F 7	23 20	21 36	0n 8	20 8	1 14	20 3	1 35	7 3	0 45	10 0	1 9	16 5	1 14	20 34	0 35	3 29	1 28	25 47	5 45	21 30	21 22	14 5	1 8	3 58
S 8	23 23	21 52	1 27	20 38	1 2	19 45	1 29	6 50	0 44	9 59	1 9	16 6	1 14	20 33	0 35	3 29	1 28	25 48	5 46	21 30	21 22	14 7	1 9	3 58
S 9	23 26	20 42	2 39	21 7	0 51	19 27	1 24	6 37	0 43	9 59	1 10	16 6	1 15	20 33	0 35	3 29	1 28	25 48	5 46	21 29	21 21	14 9	1 9	3 58
M10	23 28	18 16	3 41	21 35	0 39	19 9	1 18	6 24	0 41	9 58	1 10	16 7	1 15	20 32	0 35	3 29	1 28	25 48	5 46	21 29	21 21	14 10	1 9	3 59
T 11	23 29	14 52	4 28	22 2	0 27	18 51	1 12	6 11	0 40	9 58	1 10	16 8	1 15	20 31	0 35	3 28	1 27	25 49	5 46	21 29	21 20	14 12	1 10	3 59
W12	23 31	10 50	4 59	22 27	0 15	18 33	1 6	5 58	0 39	9 58	1 11	16 8	1 15	20 30	0 35	3 28	1 27	25 49	5 46	21 28	21 19	14 14	1 10	3 59
T 13	23 31	6 24	5 13	22 51	0 4	18 14	1 0	5 44	0 38	9 57	1 11	16 9	1 15	20 30	0 35	3 28	1 27	25 50	5 46	21 28	21 19	14 16	1 10	3 59
F 14	23 32	1 49	5 13	23 13	0n 7	17 55	0 53	5 31	0 37	9 57	1 11	16 10	1 15	20 29	0 35	3 28	1 27	25 50	5 47	21 27	21 18	14 17	1 11	3 59
S 15	23 32	2n43	4 58	23 33	0 18	17 36	0 46	5 17	0 35	9 57	1 12	16 11	1 16	20 28	0 35	3 27	1 27	25 50	5 47	21 27	21 18	14 19	1 11	3 59
S 16	23 31	7 5	4 30	23 51	0 29	17 18	0 39	5 4	0 34	9 57	1 12	16 12	1 16	20 27	0 35	3 27	1 27	25 51	5 47	21 27	21 17	14 21	1 11	3 59
M17	23 31	11 9	3 51	24 6	0 39	16 59	0 32	4 50	0 33	9 57	1 12	16 12	1 16	20 27	0 35	3 27	1 27	25 51	5 47	21 27	21 17	14 22	1 11	4 0
T 18	23 29	14 45	3 2	24 19	0 48	16 40	0 24	4 36	0 32	9 57	1 13	16 13	1 16	20 26	0 35	3 27	1 27	25 52	5 47	21 28	21 16	14 24	1 11	4 0
W19	23 28	17 47	2 5	24 29	0 57	16 21	0 17	4 22	0 31	9 58	1 13	16 14	1 16	20 25	0 35	3 26	1 27	25 52	5 47	21 28	21 15	14 26	1 12	4 0
T 20	23 26	20 5	1 3	24 36	1 5	16 2	0 8	4 9	0 30	9 58	1 13	16 15	1 17	20 24	0 35	3 26	1 27	25 53	5 48	21 28	21 15	14 27	1 12	4 0
F 21	23 23	21 31	0s 3	24 41	1 13	15 43	0 0	3 55	0 28	9 58	1 13	16 16	1 17	20 24	0 35	3 26	1 27	25 53	5 48	21 28	21 14	14 29	1 12	4 0
S 22	23 20	21 56	1 10	24 43	1 20	15 24	0s 9	3 40	0 27	9 59	1 14	16 17	1 17	20 23	0 35	3 25	1 27	25 53	5 48	21 28	21 14	14 31	1 12	4 0
S 23	23 17	21 17	2 15	24 42	1 26	15 5	0 17	3 26	0 26	9 59	1 14	16 18	1 17	20 22	0 35	3 25	1 27	25 54	5 48	21 28	21 13	14 32	1 12	4 1
M24	23 13	19 31	3 14	24 38	1 32	14 46	0 27	3 12	0 25	10 0	1 14	16 19	1 17	20 21	0 35	3 25	1 27	25 54	5 48	21 27	21 13	14 34	1 12	4 1
T 25	23 9	16 43	4 4	24 31	1 37	14 27	0 36	2 58	0 24	10 0	1 15	16 20	1 17	20 20	0 35	3 24	1 27	25 55	5 48	21 26	21 12	14 36	1 12	4 1
W26	23 5	13 1	4 42	24 22	1 41	14 9	0 46	2 44	0 23	10 1	1 15	16 22	1 18	20 20	0 35	3 24	1 27	25 55	5 48	21 25	21 11	14 37	1 12	4 1
T 27	23 0	8 37	5 5	24 10	1 44	13 50	0 56	2 29	0 22	10 2	1 15	16 23	1 18	20 19	0 35	3 24	1 27	25 55	5 48	21 24	21 11	14 39	1 12	4 1
F 28	22 54	3 43	5 11	23 55	1 46	13 32	1 6	2 15	0 21	10 3	1 16	16 24	1 18	20 18	0 35	3 23	1 27	25 56	5 49	21 23	21 10	14 41	1 12	4 1
S 29	22 49	1s26	4 59	23 39	1 48	13 14	1 16	2 0	0 20	10 4	1 16	16 25	1 18	20 17	0 35	3 23	1 27	25 56	5 49	21 23	21 10	14 42	1 12	4 2
S 30	22n43	6s33	4s29	23n20	1n49	12n56	1s27	1n46	0n18	10s 5	1s16	16s26	1s18	20n16	0n35	3n22	1n27	25s57	5s49	21s23	21s 9	14n44	1n12	4n 2

Julian Day Number = 2190920.5, Delta T = 10m45s
Ecliptic obliquity = 23°31'51, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'18, Lahiri = 13°54'19 Julian Calendar 1 June 1286 == Greg. Calendar 8 June 1286

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ASTRODIENST EPHEMERIS for the year 1286
geocentric

JULY 1286 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 4 50	15♋42'08	20♎16	25♋ 9	22♌ 6	26♍52	7°R 9	18°R54	2♌26	24♍53	29°R48	5°D55	4♐37	1♉48	23°R44	M 1
T 2	19 8 46	16°39'22	4♏29	27° 7	22°26	27°26	7♓ 7	18♒51	2°30	24°54	29♑46	5♐56	4°34	1°55	23♓43	T 2
W 3	19 12 43	17°36'36	18°45	29° 3	22°44	28° 0	7° 4	18°47	2°34	24°55	29°45	5°57	4°30	2° 1	23°42	W 3
T 4	19 16 39	18°33'51	3♐ 2	0♌58	23° 0	28°35	7° 2	18°44	2°37	24°57	29°44	5°R58	4°27	2° 8	23°41	T 4
F 5	19 20 36	19°31'06	17°17	2°51	23°15	29°10	6°59	18°40	2°41	24°58	29°42	5°57	4°24	2°15	23°41	F 5
S 6	19 24 32	20°28'21	1♑26	4°42	23°27	29°45	6°56	18°37	2°44	24°59	29°41	5°55	4°21	2°21	23°40	S 6
S 7	19 28 29	21°25'38	15°25	6°32	23°37	0♎20	6°52	18°33	2°48	25° 0	29°39	5°51	4°18	2°28	23°39	S 7
M 8	19 32 26	22°22'54	29°11	8°20	23°45	0°55	6°49	18°29	2°52	25° 1	29°38	5°44	4°15	2°35	23°38	M 8
T 9	19 36 22	23°20'12	12♒39	10° 6	23°51	1°30	6°45	18°25	2°55	25° 2	29°37	5°37	4°11	2°41	23°37	T 9
W10	19 40 19	24°17'30	25°49	11°50	23°54	2° 6	6°42	18°21	2°59	25° 4	29°35	5°29	4° 8	2°48	23°36	W10
T 11	19 44 15	25°14'50	8♓38	13°33	23°R56	2°41	6°38	18°18	3° 3	25° 5	29°34	5°21	4° 5	2°55	23°35	T 11
F 12	19 48 12	26°12'10	21° 9	15°14	23°55	3°17	6°33	18°14	3° 6	25° 6	29°33	5°14	4° 2	3° 1	23°34	F 12
S 13	19 52 8	27° 9'31	3♈23	16°53	23°51	3°53	6°29	18°10	3°10	25° 8	29°31	5° 9	3°59	3° 8	23°33	S 13
S 14	19 56 5	28° 6'54	15°24	18°31	23°46	4°29	6°25	18° 6	3°14	25° 9	29°30	5° 7	3°56	3°15	23°31	S 14
M15	20 0 1	29° 4'17	27°17	20° 7	23°38	5° 5	6°20	18° 1	3°18	25°10	29°28	5°D 6	3°52	3°21	23°30	M15
T 16	20 3 58	0♌ 1'42	9♉ 7	21°41	23°27	5°41	6°15	17°57	3°21	25°12	29°27	5° 6	3°49	3°28	23°29	T 16
W17	20 7 55	0°59'08	20°58	23°13	23°15	6°17	6°10	17°53	3°25	25°13	29°26	5° 7	3°46	3°35	23°27	W17
T 18	20 11 51	1°56'36	2♊57	24°44	22°59	6°53	6° 5	17°49	3°29	25°15	29°24	5°R 8	3°43	3°41	23°26	T 18
F 19	20 15 48	2°54'04	15° 7	26°13	22°42	7°30	5°59	17°45	3°32	25°16	29°23	5° 7	3°40	3°48	23°24	F 19
S 20	20 19 44	3°51'34	27°34	27°40	22°22	8° 7	5°54	17°40	3°36	25°18	29°22	5° 5	3°36	3°55	23°23	S 20
S 21	20 23 41	4°49'06	10♋19	29° 6	22° 1	8°43	5°48	17°36	3°40	25°19	29°20	5° 0	3°33	4° 1	23°21	S 21
M22	20 27 37	5°46'38	23°24	0♍30	21°37	9°20	5°43	17°32	3°44	25°21	29°19	4°53	3°30	4° 8	23°20	M22
T 23	20 31 34	6°44'12	6♌49	1°52	21°11	9°57	5°37	17°27	3°47	25°23	29°17	4°44	3°27	4°15	23°18	T 23
W24	20 35 30	7°41'46	20°32	3°12	20°43	10°34	5°31	17°23	3°51	25°24	29°16	4°34	3°24	4°21	23°16	W24
T 25	20 39 27	8°39'22	4♍29	4°30	20°13	11°12	5°24	17°18	3°55	25°26	29°15	4°24	3°21	4°28	23°15	T 25
F 26	20 43 24	9°36'59	18°37	5°47	19°42	11°49	5°18	17°14	3°58	25°27	29°13	4°15	3°17	4°35	23°13	F 26
S 27	20 47 20	10°34'37	2♎50	7° 1	19° 9	12°26	5°12	17° 9	4° 2	25°29	29°12	4° 8	3°14	4°41	23°11	S 27
S 28	20 51 17	11°32'16	17° 5	8°13	18°35	13° 4	5° 5	17° 5	4° 6	25°31	29°11	4° 3	3°11	4°48	23° 9	S 28
M29	20 55 13	12°29'56	1♏18	9°23	18° 0	13°42	4°58	17° 0	4° 9	25°33	29° 9	4° 1	3° 8	4°55	23° 7	M29
T 30	20 59 10	13°27'37	15°27	10°31	17°24	14°19	4°52	16°56	4°13	25°34	29° 8	4°D 1	3° 5	5° 1	23° 5	T 30
W31	21 3 6	14♌25'20	29♏30	11♍37	16♌47	14♎57	4♓45	16♒51	4♌17	25♍36	29♑ 7	4°R 1	3♐ 2	5♉ 8	23♓ 3	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n36	11s23	3s43	22n59	1n50	12n39	1s38	1n31	0n17	10s 6	1s16	16s27	1s18	20n16	0n35	3n22	1n27	25s57	5s49	21s23	21s 9	14n46	1n12	4n 2
T 2	22 29	15 37	2 43	22 36	1 50	12 22	1 49	1 16	0 16	10 7	1 17	16 29	1 19	20 15	0 35	3 21	1 27	25 57	5 49	21 23	21 8	14 47	1 12	4 2
W 3	22 22	18 57	1 32	22 12	1 49	12 5	2 1	1 2	0 15	10 8	1 17	16 30	1 19	20 14	0 35	3 21	1 27	25 58	5 49	21 23	21 7	14 49	1 12	4 2
T 4	22 14	21 6	0 16	21 46	1 47	11 49	2 13	0 47	0 14	10 10	1 17	16 31	1 19	20 13	0 35	3 20	1 27	25 58	5 49	21 23	21 7	14 51	1 12	4 2
F 5	22 6	21 54	1n 1	21 18	1 45	11 33	2 25	0 32	0 13	10 11	1 18	16 32	1 19	20 12	0 35	3 20	1 27	25 59	5 49	21 23	21 6	14 52	1 11	4 2
S 6	21 58	21 18	2 13	20 49	1 42	11 17	2 37	0 17	0 12	10 12	1 18	16 34	1 19	20 11	0 35	3 19	1 26	25 59	5 50	21 23	21 6	14 54	1 11	4 3
S 7	21 49	19 23	3 17	20 19	1 39	11 2	2 49	0 2	0 11	10 14	1 18	16 35	1 19	20 11	0 35	3 19	1 26	25 59	5 50	21 22	21 5	14 56	1 11	4 3
M 8	21 40	16 22	4 8	19 47	1 36	10 47	3 2	0s13	0 10	10 15	1 19	16 36	1 19	20 10	0 35	3 18	1 26	26 0	5 50	21 21	21 4	14 57	1 11	4 3
T 9	21 30	12 32	4 43	19 15	1 31	10 33	3 15	0 28	0 9	10 17	1 19	16 38	1 20	20 9	0 35	3 18	1 26	26 0	5 50	21 19	21 4	14 59	1 10	4 3
W10	21 20	8 12	5 3	18 41	1 27	10 20	3 28	0 43	0 8	10 19	1 19	16 39	1 20	20 8	0 35	3 17	1 26	26 1	5 50	21 18	21 3	15 0	1 10	4 3
T 11	21 10	3 37	5 7	18 7	1 21	10 7	3 41	0 58	0 7	10 20	1 19	16 40	1 20	20 7	0 35	3 17	1 26	26 1	5 50	21 17	21 3	15 2	1 10	4 3
F 12	20 59	1n 0	4 56	17 32	1 16	9 54	3 55	1 13	0 6	10 22	1 20	16 42	1 20	20 6	0 35	3 16	1 26	26 1	5 50	21 15	21 2	15 4	1 9	4 3
S 13	20 48	5 30	4 31	16 57	1 10	9 43	4 8	1 28	0 5	10 24	1 20	16 43	1 20	20 6	0 35	3 16	1 26	26 2	5 50	21 14	21 1	15 5	1 9	4 4
S 14	20 37	9 42	3 55	16 21	1 4	9 32	4 22	1 43	0 4	10 26	1 20	16 44	1 20	20 5	0 35	3 15	1 26	26 2	5 50	21 14	21 1	15 7	1 9	4 4
M15	20 25	13 29	3 9	15 44	0 57	9 22	4 35	1 58	0 3	10 28	1 20	16 46	1 20	20 4	0 35	3 15	1 26	26 3	5 50	21 14	21 0	15 8	1 8	4 4
T 16	20 13	16 43	2 15	15 7	0 50	9 12	4 49	2 14	0 2	10 30	1 21	16 47	1 21	20 3	0 35	3 14	1 26	26 3	5 50	21 14	21 0	15 10	1 8	4 4
W17	20 1	19 17	1 15	14 30	0 42	9 3	5 3	2 29	0 2	10 32	1 21	16 49	1 21	20 2	0 35	3 13	1 26	26 3	5 51	21 14	20 59	15 11	1 8	4 4
T 18	19 48	21 1	0 12	13 52	0 35	8 55	5 16	2 44	0 1	10 34	1 21	16 50	1 21	20 1	0 35	3 13	1 26	26 4	5 51	21 14	20 58	15 13	1 7	4 4
F 19	19 35	21 49	0s53	13 15	0 27	8 48	5 29	2 59	0s 0	10 37	1 21	16 51	1 21	20 0	0 35	3 12	1 26	26 4	5 51	21 14	20 58	15 15	1 7	4 4
S 20	19 22	21 33	1 57	12 37	0 18	8 42	5 43	3 15	0 1	10 39	1 22	16 53	1 21	19 59	0 35	3 11	1 26	26 4	5 51	21 14	20 57	15 16	1 6	4 4
S 21	19 8	20 12	2 57	11 59	0 10	8 37	5 56	3 30	0 2	10 41	1 22	16 54	1 21	19 59	0 35	3 11	1 26	26 5	5 51	21 13	20 57	15 18	1 6	4 5
M22	18 54	17 45	3 48	11 21	0 1	8 32	6 8	3 46	0 3	10 44	1 22	16 56	1 21	19 58	0 35	3 10	1 26	26 5	5 51	21 11	20 56	15 19	1 5	4 5
T 23	18 40	14 18	4 29	10 44	0s 8	8 29	6 21	4 1	0 4	10 46	1 22	16 57	1 21	19 57	0 35	3 10	1 26	26 5	5 51	21 10	20 55	15 21	1 5	4 5
W24	18 25	10 3	4 54	10 6	0 17	8 26	6 33	4 17	0 5	10 48	1 23	16 59	1 21	19 56	0 35	3 9	1 26	26 6	5 51	21 8	20 55	15 22	1 4	4 5
T 25	18 10	5 11	5 3	9 29	0 27	8 24	6 44	4 32	0 6	10 51	1 23	17 0	1 22	19 55	0 35	3 8	1 26	26 6	5 51	21 6	20 54	15 24	1 3	4 5
F 26	17 55	0 1	4 54	8 52	0 36	8 23	6 55	4 47	0 7	10 53	1 23	17 2	1 22	19 54	0 35	3 7	1 26	26 7	5 51	21 4	20 54	15 26	1 3	4 5
S 27	17 39	5s12	4 27	8 16	0 46	8 24	7 6	5 3	0 7	10 56	1 23	17 3	1 22	19 53	0 35	3 7	1 26	26 7	5 51	21 3	20 53	15 27	1 2	4 5
S 28	17 23	10 9	3 42	7 39	0 56	8 24	7 15	5 18	0 8	10 59	1 24	17 4	1 22	19 53	0 35	3 6	1 26	26 7	5 51	21 2	20 52	15 29	1 1	4 5
M29	17 7	14 32	2 45	7 4	1 6	8 26	7 25	5 34	0 9	11 1	1 24	17 6	1 22	19 52	0 35	3 5	1 26	26 8	5 51	21 2	20 52	15 30	1 1	4 5
T 30	16 51	18 4	1 37	6 29	1 16	8 29	7 33	5 49	0 10	11 4	1 24	17 7	1 22	19 51	0 35	3 5	1 26	26 8	5 51	21 2	20 51	15 32	1 0	4 5
W31	16n34	20s31	0s24	5n54	1s26	8n32	7s41	6s 5	0s11	11s 7	1s24	17s 9	1s22	19n50	0n35	3n 4	1n26	26s 8	5s51	21s 2	20s51	15n33	0n59	4n 6

Julian Day Number = 2190950.5, Delta T = 10m45s
Ecliptic obliquity = 23°31'51, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'22, Lahiri = 13°54'23 Julian Calendar 1 July 1286 == Greg. Calendar 8 July 1286

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ASTRODIENST EPHEMERIS for the year 1286
geocentric

AUGUST 1286 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 7 3	15♌23'03	13♐29	12♍40	16°R10	15♎35	4°R38	16°R47	4♌20	25♍38	29°R 5	4°R 1	2♐58	5♉15	23°R 1	T 1
F 2	21 10 59	16°20'47	27°20	13°41	15♌32	16°13	4♓31	16♒42	4°24	25°40	29♑ 4	3♐59	2°55	5°21	22♓59	F 2
S 3	21 14 56	17°18'33	11♑ 4	14°39	14°55	16°52	4°23	16°38	4°28	25°42	29° 3	3°54	2°52	5°28	22°57	S 3
S 4	21 18 53	18°16'20	24°39	15°34	14°18	17°30	4°16	16°33	4°31	25°43	29° 1	3°47	2°49	5°35	22°55	S 4
M 5	21 22 49	19°14'08	8♒ 2	16°26	13°42	18° 8	4° 9	16°29	4°35	25°45	29° 0	3°37	2°46	5°41	22°53	M 5
T 6	21 26 46	20°11'58	21°12	17°16	13° 6	18°47	4° 1	16°24	4°39	25°47	28°59	3°26	2°42	5°48	22°51	T 6
W 7	21 30 42	21° 9'49	4♓ 8	18° 2	12°32	19°26	3°54	16°20	4°42	25°49	28°58	3°13	2°39	5°55	22°48	W 7
T 8	21 34 39	22° 7'42	16°48	18°44	11°59	20° 4	3°46	16°15	4°46	25°51	28°56	3° 1	2°36	6° 1	22°46	T 8
F 9	21 38 35	23° 5'36	29°12	19°23	11°27	20°43	3°39	16°11	4°49	25°53	28°55	2°50	2°33	6° 8	22°44	F 9
S 10	21 42 32	24° 3'32	11♈22	19°57	10°56	21°22	3°31	16° 6	4°53	25°55	28°54	2°42	2°30	6°14	22°41	S 10
S 11	21 46 28	25° 1'30	23°21	20°28	10°28	22° 1	3°23	16° 2	4°57	25°57	28°53	2°36	2°27	6°21	22°39	S 11
M12	21 50 25	25°59'30	5♉12	20°54	10° 1	22°40	3°15	15°57	5° 0	25°59	28°51	2°32	2°23	6°28	22°37	M12
T 13	21 54 22	26°57'32	17° 0	21°15	9°37	23°19	3° 7	15°53	5° 4	26° 1	28°50	2°31	2°20	6°34	22°34	T 13
W14	21 58 18	27°55'36	28°51	21°31	9°14	23°59	3° 0	15°49	5° 7	26° 3	28°49	2°30	2°17	6°41	22°32	W14
T 15	22 2 15	28°53'42	10♊49	21°42	8°54	24°38	2°52	15°44	5°11	26° 5	28°48	2°30	2°14	6°48	22°29	T 15
F 16	22 6 11	29°51'49	23° 1	21°R48	8°36	25°18	2°44	15°40	5°14	26° 7	28°47	2°29	2°11	6°54	22°27	F 16
S 17	22 10 8	0♍49'59	5♋30	21°47	8°21	25°57	2°36	15°36	5°18	26° 9	28°46	2°26	2° 7	7° 1	22°24	S 17
S 18	22 14 4	1°48'11	18°22	21°41	8° 7	26°37	2°28	15°31	5°21	26°11	28°45	2°21	2° 4	7° 8	22°22	S 18
M19	22 18 1	2°46'25	1♌38	21°28	7°57	27°17	2°20	15°27	5°24	26°13	28°43	2°13	2° 1	7°14	22°19	M19
T 20	22 21 57	3°44'40	15°19	21° 9	7°48	27°57	2°12	15°23	5°28	26°15	28°42	2° 2	1°58	7°21	22°17	T 20
W21	22 25 54	4°42'58	29°23	20°43	7°42	28°37	2° 4	15°19	5°31	26°17	28°41	1°51	1°55	7°28	22°14	W21
T 22	22 29 51	5°41'17	13♍45	20°11	7°39	29°17	1°56	15°15	5°34	26°19	28°40	1°39	1°52	7°34	22°11	T 22
F 23	22 33 47	6°39'38	28°19	19°33	7°D38	29°57	1°48	15°11	5°38	26°21	28°39	1°28	1°48	7°41	22° 9	F 23
S 24	22 37 44	7°38'01	12♎57	18°48	7°39	0♏37	1°40	15° 7	5°41	26°24	28°38	1°20	1°45	7°48	22° 6	S 24
S 25	22 41 40	8°36'26	27°33	17°59	7°42	1°18	1°32	15° 3	5°44	26°26	28°37	1°14	1°42	7°54	22° 3	S 25
M26	22 45 37	9°34'52	12♏ 2	17° 4	7°48	1°58	1°25	14°59	5°48	26°28	28°36	1°11	1°39	8° 1	22° 1	M26
T 27	22 49 33	10°33'20	26°18	16° 6	7°56	2°39	1°17	14°55	5°51	26°30	28°35	1°D10	1°36	8° 8	21°58	T 27
W28	22 53 30	11°31'49	10♐22	15° 4	8° 6	3°20	1° 9	14°51	5°54	26°32	28°34	1°R10	1°33	8°14	21°55	W28
T 29	22 57 26	12°30'21	24°12	14° 2	8°18	4° 0	1° 2	14°47	5°57	26°34	28°33	1°10	1°29	8°21	21°53	T 29
F 30	23 1 23	13°28'54	7♑49	12°59	8°32	4°41	0°54	14°44	6° 0	26°37	28°33	1° 8	1°26	8°28	21°50	F 30
S 31	23 5 19	14♍27'28	21♑13	11♍58	8♌48	5♏22	0♓46	14♒40	6♌ 3	26♍39	28♑32	1♐ 3	1♐23	8♉34	21♓47	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n17	21s41	0n50	5n21	1s36	8n37	7s47	6s20	0s12	11s 9	1s24	17s10	1s22	19n49	0n35	3n 3	1n26	26s 8	5s51	21s 2	20s50	15n35	0n59	4n 6
F 2	16 0	21 30	2 0	4 48	1 47	8 41	7 53	6 36	0 13	11 12	1 25	17 12	1 22	19 48	0 35	3 2	1 26	26 9	5 51	21 1	20 49	15 36	0 58	4 6
S 3	15 42	20 2	3 3	4 16	1 57	8 47	7 59	6 51	0 13	11 15	1 25	17 13	1 22	19 47	0 35	3 2	1 26	26 9	5 51	21 1	20 49	15 38	0 57	4 6
S 4	15 25	17 26	3 54	3 45	2 7	8 53	8 3	7 7	0 14	11 18	1 25	17 15	1 22	19 46	0 35	3 1	1 26	26 9	5 51	20 59	20 48	15 39	0 56	4 6
M 5	15 7	13 57	4 32	3 15	2 18	9 0	8 6	7 22	0 15	11 21	1 25	17 16	1 23	19 46	0 35	3 0	1 26	26 10	5 51	20 57	20 47	15 41	0 56	4 6
T 6	14 48	9 50	4 54	2 47	2 28	9 8	8 9	7 38	0 16	11 24	1 25	17 18	1 23	19 45	0 35	2 59	1 26	26 10	5 51	20 55	20 47	15 42	0 55	4 6
W 7	14 30	5 21	5 1	2 20	2 38	9 15	8 10	7 53	0 17	11 26	1 25	17 19	1 23	19 44	0 35	2 59	1 26	26 10	5 51	20 53	20 46	15 44	0 54	4 6
T 8	14 11	0 45	4 52	1 54	2 48	9 24	8 11	8 9	0 17	11 29	1 25	17 20	1 23	19 43	0 35	2 58	1 26	26 11	5 51	20 50	20 46	15 45	0 53	4 6
F 9	13 52	3n48	4 30	1 30	2 58	9 32	8 11	8 24	0 18	11 32	1 26	17 22	1 23	19 42	0 35	2 57	1 26	26 11	5 51	20 48	20 45	15 47	0 52	4 6
S 10	13 33	8 8	3 56	1 7	3 7	9 41	8 10	8 40	0 19	11 35	1 26	17 23	1 23	19 41	0 35	2 56	1 26	26 11	5 51	20 47	20 44	15 48	0 51	4 6
S 11	13 14	12 4	3 12	0 47	3 17	9 50	8 9	8 55	0 20	11 38	1 26	17 25	1 23	19 40	0 35	2 55	1 26	26 11	5 51	20 46	20 44	15 50	0 51	4 6
M12	12 54	15 30	2 19	0 28	3 26	9 59	8 6	9 10	0 21	11 41	1 26	17 26	1 23	19 40	0 35	2 55	1 25	26 12	5 51	20 45	20 43	15 51	0 50	4 6
T 13	12 34	18 17	1 21	0 12	3 34	10 9	8 3	9 26	0 21	11 44	1 26	17 27	1 23	19 39	0 35	2 54	1 25	26 12	5 51	20 45	20 42	15 53	0 49	4 6
W14	12 14	20 18	0 19	0s 2	3 42	10 18	7 59	9 41	0 22	11 47	1 26	17 29	1 23	19 38	0 35	2 53	1 25	26 12	5 51	20 45	20 42	15 54	0 48	4 6
T 15	11 54	21 26	0s44	0 13	3 50	10 28	7 55	9 56	0 23	11 50	1 26	17 30	1 23	19 37	0 35	2 52	1 25	26 12	5 51	20 44	20 41	15 56	0 47	4 6
F 16	11 34	21 34	1 46	0 21	3 57	10 37	7 50	10 11	0 24	11 53	1 26	17 31	1 23	19 36	0 35	2 51	1 25	26 13	5 51	20 44	20 41	15 57	0 46	4 7
S 17	11 13	20 40	2 45	0 27	4 3	10 46	7 44	10 27	0 24	11 56	1 27	17 33	1 23	19 35	0 35	2 51	1 25	26 13	5 51	20 44	20 40	15 58	0 45	4 7
S 18	10 52	18 41	3 37	0 29	4 8	10 56	7 38	10 42	0 25	11 59	1 27	17 34	1 23	19 35	0 35	2 50	1 25	26 13	5 51	20 43	20 39	16 0	0 44	4 7
M19	10 31	15 39	4 19	0 28	4 12	11 5	7 31	10 57	0 26	12 2	1 27	17 35	1 23	19 34	0 36	2 49	1 25	26 13	5 51	20 41	20 39	16 1	0 43	4 7
T 20	10 10	11 43	4 48	0 23	4 15	11 14	7 24	11 12	0 27	12 5	1 27	17 37	1 23	19 33	0 36	2 48	1 25	26 13	5 51	20 39	20 38	16 3	0 42	4 7
W21	9 49	7 2	5 0	0 14	4 16	11 22	7 17	11 27	0 27	12 8	1 27	17 38	1 23	19 32	0 36	2 47	1 25	26 14	5 51	20 37	20 37	16 4	0 41	4 7
T 22	9 28	1 53	4 54	0 2	4 17	11 31	7 9	11 42	0 28	12 11	1 27	17 39	1 23	19 31	0 36	2 46	1 25	26 14	5 51	20 34	20 37	16 6	0 40	4 7
F 23	9 6	3s26	4 29	0n15	4 15	11 39	7 1	11 57	0 29	12 14	1 27	17 40	1 23	19 31	0 36	2 46	1 25	26 14	5 51	20 32	20 36	16 7	0 39	4 7
S 24	8 44	8 36	3 46	0 35	4 12	11 46	6 53	12 12	0 29	12 16	1 27	17 42	1 23	19 30	0 36	2 45	1 25	26 14	5 51	20 30	20 35	16 8	0 38	4 7
S 25	8 22	13 15	2 48	0 59	4 7	11 54	6 44	12 27	0 30	12 19	1 27	17 43	1 23	19 29	0 36	2 44	1 25	26 14	5 51	20 29	20 35	16 10	0 37	4 7
M26	8 0	17 5	1 40	1 27	4 0	12 1	6 35	12 41	0 31	12 22	1 27	17 44	1 23	19 28	0 36	2 43	1 25	26 15	5 51	20 28	20 34	16 11	0 36	4 7
T 27	7 38	19 49	0 26	1 58	3 51	12 8	6 26	12 56	0 32	12 25	1 27	17 45	1 23	19 27	0 36	2 42	1 25	26 15	5 51	20 28	20 34	16 13	0 35	4 7
W28	7 16	21 17	0n49	2 31	3 40	12 14	6 17	13 11	0 32	12 28	1 27	17 46	1 23	19 27	0 36	2 41	1 25	26 15	5 51	20 28	20 33	16 14	0 33	4 7
T 29	6 54	21 25	1 59	3 7	3 27	12 20	6 8	13 25	0 33	12 30	1 27	17 47	1 23	19 26	0 36	2 40	1 25	26 15	5 51	20 28	20 32	16 16	0 32	4 7
F 30	6 31	20 17	3 1	3 45	3 13	12 25	5 59	13 40	0 34	12 33	1 27	17 48	1 23	19 25	0 36	2 39	1 25	26 15	5 51	20 28	20 32	16 17	0 31	4 7
S 31	6n 8	18s 1	3n52	4n23	2s57	12n30	5s49	13s54	0s34	12s36	1s27	17s49	1s23	19n24	0n36	2n39	1n25	26s15	5s51	20s27	20s31	16n18	0n30	4n 6

Julian Day Number = 2190981.5, Delta T = 10m45s
Ecliptic obliquity = 23°31'51, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'27, Lahiri = 13°54'27 Julian Calendar 1 Aug. 1286 == Greg. Calendar 8 Aug. 1286

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ASTRODIENST EPHEMERIS for the year 1286
geocentric

SEPTEMBER 1286 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 9 16	15♍26'04	4♒26	10°R59	9♌ 7	6♏ 3	0°R39	14°R37	6♌ 7	26♍41	28°R31	0°R56	1♐20	8♉41	21°R44	S 1
M 2	23 13 13	16°24'42	17°27	10♍ 5	9°27	6°44	0♓32	14♒33	6°10	26°43	28♋30	0♐46	1°17	8°48	21♓42	M 2
T 3	23 17 9	17°23'22	0♓17	9°17	9°49	7°26	0°24	14°30	6°13	26°45	28°29	0°35	1°13	8°54	21°39	T 3
W 4	23 21 6	18°22'04	12°54	8°36	10°12	8° 7	0°17	14°26	6°16	26°48	28°28	0°22	1°10	9° 1	21°36	W 4
T 5	23 25 2	19°20'47	25°20	8° 3	10°38	8°48	0°10	14°23	6°19	26°50	28°28	0°10	1° 7	9° 8	21°33	T 5
F 6	23 28 59	20°19'33	7♈34	7°39	11° 5	9°30	0° 3	14°20	6°21	26°52	28°27	29♏58	1° 4	9°14	21°30	F 6
S 7	23 32 55	21°18'21	19°37	7°24	11°33	10°11	29♒56	14°17	6°24	26°54	28°26	29°50	1° 1	9°21	21°28	S 7
S 8	23 36 52	22°17'10	1♉31	7°D20	12° 4	10°53	29°49	14°14	6°27	26°56	28°25	29°43	0°58	9°28	21°25	S 8
M 9	23 40 48	23°16'03	13°20	7°26	12°35	11°35	29°43	14°11	6°30	26°59	28°25	29°40	0°54	9°34	21°22	M 9
T 10	23 44 45	24°14'57	25° 7	7°42	13° 8	12°16	29°36	14° 8	6°33	27° 1	28°24	29°D38	0°51	9°41	21°19	T 10
W11	23 48 42	25°13'54	6♊56	8° 7	13°43	12°58	29°30	14° 5	6°36	27° 3	28°23	29°38	0°48	9°48	21°17	W11
T 12	23 52 38	26°12'53	18°52	8°42	14°19	13°40	29°23	14° 2	6°38	27° 5	28°23	29°39	0°45	9°54	21°14	T 12
F 13	23 56 35	27°11'54	1♋ 2	9°26	14°56	14°22	29°17	13°59	6°41	27° 8	28°22	29°R39	0°42	10° 1	21°11	F 13
S 14	0 0 31	28°10'58	13°30	10°19	15°35	15° 4	29°11	13°57	6°44	27°10	28°22	29°38	0°39	10° 7	21° 8	S 14
S 15	0 4 28	29°10'04	26°20	11°19	16°14	15°47	29° 5	13°54	6°46	27°12	28°21	29°35	0°35	10°14	21° 6	S 15
M16	0 8 24	0♎ 9'13	9♌37	12°26	16°55	16°29	28°59	13°52	6°49	27°14	28°21	29°29	0°32	10°21	21° 3	M16
T 17	0 12 21	1° 8'23	23°23	13°39	17°37	17°11	28°54	13°50	6°51	27°16	28°20	29°21	0°29	10°27	21° 0	T 17
W18	0 16 17	2° 7'36	7♍36	14°57	18°20	17°54	28°48	13°47	6°54	27°19	28°20	29°12	0°26	10°34	20°57	W18
T 19	0 20 14	3° 6'51	22°12	16°21	19° 4	18°36	28°43	13°45	6°56	27°21	28°19	29° 3	0°23	10°41	20°55	T 19
F 20	0 24 11	4° 6'09	7♎ 5	17°48	19°49	19°19	28°38	13°43	6°59	27°23	28°19	28°55	0°19	10°47	20°52	F 20
S 21	0 28 7	5° 5'28	22° 6	19°19	20°35	20° 2	28°33	13°41	7° 1	27°25	28°19	28°48	0°16	10°54	20°49	S 21
S 22	0 32 4	6° 4'49	7♏ 5	20°53	21°21	20°44	28°28	13°39	7° 3	27°28	28°18	28°44	0°13	11° 1	20°47	S 22
M23	0 36 0	7° 4'13	21°55	22°29	22° 9	21°27	28°24	13°37	7° 6	27°30	28°18	28°D42	0°10	11° 7	20°44	M23
T 24	0 39 57	8° 3'38	6♐29	24° 8	22°58	22°10	28°19	13°36	7° 8	27°32	28°18	28°42	0° 7	11°14	20°41	T 24
W25	0 43 53	9° 3'05	20°43	25°47	23°47	22°53	28°15	13°34	7°10	27°34	28°17	28°43	0° 4	11°21	20°39	W25
T 26	0 47 50	10° 2'34	4♑37	27°28	24°37	23°36	28°11	13°33	7°12	27°36	28°17	28°R44	0° 0	11°27	20°36	T 26
F 27	0 51 46	11° 2'04	18°11	29°10	25°28	24°20	28° 7	13°31	7°14	27°39	28°17	28°44	29♏57	11°34	20°34	F 27
S 28	0 55 43	12° 1'36	1♒27	0♎53	26°20	25° 3	28° 3	13°30	7°17	27°41	28°17	28°42	29°54	11°41	20°31	S 28
S 29	0 59 39	13° 1'10	14°26	2°36	27°12	25°46	28° 0	13°29	7°19	27°43	28°17	28°38	29°51	11°47	20°29	S 29
M30	1 3 36	14♎ 0'46	27♒10	4♎19	28♌ 5	26♏30	27♒56	13♒27	7♌21	27♍45	28♋16	28♏33	29♏48	11♉54	20♓26	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n46	14s51	4n30	5n 1	2s39	12n35	5s40	14s 8	0s35	12s39	1s27	17s51	1s23	19n24	0n36	2n38	1n25	26s16	5s51	20s25	20s30	16n20	0n29	4n 6
M 2	5 23	11 0	4 54	5 39	2 21	12 39	5 30	14 23	0 36	12 41	1 27	17 52	1 23	19 23	0 36	2 37	1 25	26 16	5 51	20 23	20 30	16 21	0 28	4 6
T 3	5 0	6 43	5 1	6 15	2 1	12 43	5 20	14 37	0 36	12 44	1 27	17 53	1 23	19 22	0 36	2 36	1 25	26 16	5 51	20 21	20 29	16 23	0 27	4 6
W 4	4 37	2 12	4 54	6 49	1 41	12 46	5 11	14 51	0 37	12 46	1 27	17 54	1 23	19 22	0 36	2 35	1 25	26 16	5 51	20 18	20 28	16 24	0 26	4 6
T 5	4 14	2n19	4 33	7 20	1 21	12 48	5 1	15 5	0 38	12 49	1 27	17 54	1 23	19 21	0 36	2 34	1 25	26 16	5 51	20 16	20 28	16 25	0 25	4 6
F 6	3 51	6 41	4 0	7 47	1 2	12 50	4 52	15 19	0 38	12 51	1 27	17 55	1 23	19 20	0 36	2 33	1 25	26 16	5 51	20 13	20 27	16 27	0 23	4 6
S 7	3 28	10 43	3 16	8 10	0 42	12 52	4 42	15 33	0 39	12 54	1 27	17 56	1 23	19 19	0 36	2 32	1 25	26 16	5 51	20 11	20 26	16 28	0 22	4 6
S 8	3 4	14 18	2 24	8 29	0 23	12 53	4 32	15 46	0 39	12 56	1 27	17 57	1 23	19 19	0 36	2 32	1 25	26 16	5 51	20 10	20 26	16 29	0 21	4 6
M 9	2 41	17 16	1 26	8 44	0 5	12 53	4 23	16 0	0 40	12 58	1 27	17 58	1 23	19 18	0 36	2 31	1 25	26 16	5 51	20 9	20 25	16 31	0 20	4 6
T 10	2 18	19 30	0 24	8 54	0n12	12 53	4 13	16 13	0 41	13 0	1 27	17 59	1 23	19 17	0 36	2 30	1 25	26 16	5 50	20 9	20 24	16 32	0 19	4 6
W11	1 54	20 55	0s39	8 59	0 27	12 52	4 4	16 27	0 41	13 3	1 27	18 0	1 23	19 17	0 36	2 29	1 25	26 17	5 50	20 9	20 24	16 33	0 18	4 6
T 12	1 31	21 23	1 41	8 59	0 42	12 51	3 55	16 40	0 42	13 5	1 27	18 0	1 23	19 16	0 36	2 28	1 25	26 17	5 50	20 9	20 23	16 35	0 16	4 6
F 13	1 7	20 52	2 40	8 54	0 55	12 49	3 45	16 53	0 42	13 7	1 27	18 1	1 23	19 15	0 36	2 27	1 25	26 17	5 50	20 9	20 22	16 36	0 15	4 6
S 14	0 44	19 19	3 32	8 46	1 7	12 47	3 36	17 6	0 43	13 9	1 26	18 2	1 23	19 15	0 36	2 26	1 25	26 17	5 50	20 9	20 22	16 37	0 14	4 6
S 15	0 20	16 46	4 16	8 32	1 17	12 44	3 27	17 19	0 44	13 11	1 26	18 3	1 23	19 14	0 36	2 25	1 25	26 17	5 50	20 8	20 21	16 39	0 13	4 5
M16	0s 4	13 17	4 48	8 15	1 26	12 41	3 18	17 32	0 44	13 13	1 26	18 3	1 23	19 13	0 36	2 24	1 25	26 17	5 50	20 7	20 20	16 40	0 12	4 5
T 17	0 27	8 59	5 4	7 54	1 34	12 37	3 9	17 45	0 45	13 15	1 26	18 4	1 23	19 13	0 36	2 24	1 25	26 17	5 50	20 5	20 20	16 41	0 11	4 5
W18	0 51	4 4	5 2	7 30	1 41	12 32	3 0	17 57	0 45	13 17	1 26	18 5	1 23	19 12	0 36	2 23	1 25	26 17	5 50	20 3	20 19	16 43	0 9	4 5
T 19	1 15	1s12	4 41	7 2	1 46	12 27	2 51	18 10	0 46	13 18	1 26	18 5	1 23	19 12	0 36	2 22	1 25	26 17	5 50	20 1	20 18	16 44	0 8	4 5
F 20	1 38	6 30	4 1	6 32	1 51	12 21	2 43	18 22	0 46	13 20	1 26	18 6	1 23	19 11	0 36	2 21	1 25	26 17	5 50	20 0	20 18	16 45	0 7	4 5
S 21	2 2	11 28	3 4	5 59	1 54	12 15	2 34	18 34	0 47	13 22	1 26	18 6	1 23	19 11	0 36	2 20	1 25	26 17	5 50	19 58	20 17	16 47	0 6	4 5
S 22	2 25	15 43	1 54	5 24	1 56	12 8	2 26	18 46	0 48	13 23	1 26	18 7	1 23	19 10	0 36	2 19	1 25	26 17	5 50	19 57	20 16	16 48	0 5	4 5
M23	2 49	18 54	0 37	4 47	1 57	12 1	2 17	18 58	0 48	13 25	1 25	18 7	1 23	19 9	0 36	2 18	1 25	26 17	5 50	19 57	20 16	16 49	0 4	4 5
T 24	3 13	20 47	0n42	4 8	1 58	11 53	2 9	19 10	0 49	13 26	1 25	18 8	1 23	19 9	0 37	2 17	1 25	26 17	5 49	19 57	20 15	16 51	0 2	4 4
W25	3 36	21 17	1 56	3 28	1 57	11 45	2 1	19 21	0 49	13 27	1 25	18 8	1 23	19 8	0 37	2 17	1 25	26 17	5 49	19 57	20 14	16 52	0 1	4 4
T 26	4 0	20 26	3 1	2 47	1 56	11 36	1 53	19 33	0 50	13 29	1 25	18 9	1 23	19 8	0 37	2 16	1 26	26 17	5 49	19 57	20 14	16 53	0 0	4 4
F 27	4 23	18 24	3 55	2 5	1 54	11 26	1 45	19 44	0 50	13 30	1 25	18 9	1 23	19 7	0 37	2 15	1 26	26 17	5 49	19 57	20 13	16 54	0s 1	4 4
S 28	4 46	15 27	4 35	1 21	1 52	11 16	1 37	19 55	0 51	13 31	1 25	18 9	1 23	19 7	0 37	2 14	1 26	26 17	5 49	19 57	20 12	16 56	0 2	4 4
S 29	5 10	11 47	4 59	0 38	1 49	11 5	1 29	20 6	0 51	13 32	1 25	18 10	1 23	19 6	0 37	2 13	1 26	26 17	5 49	19 56	20 12	16 57	0 3	4 4
M30	5s33	7s40	5n 9	0s 6	1n45	10n54	1s22	20s17	0s52	13s33	1s24	18s10	1s23	19n 6	0n37	2n12	1n26	26s17	5s49	19s55	20s11	16n58	0s 4	4n 4

Julian Day Number = 2191012.5, Delta T = 10m45s
Ecliptic obliquity = 23°31'51, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'31, Lahiri = 13°54'31 Julian Calendar 1 Sept. 1286 == Greg. Calendar 8 Sept. 1286

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ASTRODIENST EPHEMERIS for the year 1286
geocentric

OCTOBER 1286 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 7 33	15♎ 0'24	9♓42	6♎ 2	28♌59	27♏13	27°R53	13°R26	7♌22	27♍47	28°R16	28°R25	29♏44	12♉ 1	20°R24	T 1
W 2	1 11 29	16° 0'03	22° 3	7°45	29°53	27°57	27♒50	13♒26	7°24	27°49	28♉16	28♏17	29°41	12° 7	20♓21	W 2
T 3	1 15 26	16°59'45	4♈14	9°28	0♍48	28°40	27°47	13°25	7°26	27°52	28°16	28° 9	29°38	12°14	20°19	T 3
F 4	1 19 22	17°59'28	16°16	11°11	1°44	29°24	27°45	13°24	7°28	27°54	28°D16	28° 2	29°35	12°21	20°16	F 4
S 5	1 23 19	18°59'13	28°12	12°53	2°40	0♐ 8	27°43	13°23	7°30	27°56	28°16	27°57	29°32	12°27	20°14	S 5
S 6	1 27 15	19°59'01	10♉ 2	14°35	3°36	0°52	27°40	13°23	7°31	27°58	28°16	27°53	29°29	12°34	20°12	S 6
M 7	1 31 12	20°58'50	21°49	16°17	4°34	1°35	27°38	13°23	7°33	28° 0	28°16	27°51	29°25	12°40	20° 9	M 7
T 8	1 35 8	21°58'42	3♊36	17°58	5°32	2°19	27°37	13°22	7°35	28° 2	28°16	27°D51	29°22	12°47	20° 7	T 8
W 9	1 39 5	22°58'36	15°26	19°38	6°30	3° 3	27°35	13°22	7°36	28° 4	28°16	27°53	29°19	12°54	20° 5	W 9
T 10	1 43 2	23°58'32	27°23	21°19	7°29	3°48	27°34	13°D22	7°38	28° 6	28°17	27°54	29°16	13° 0	20° 3	T 10
F 11	1 46 58	24°58'30	9♋32	22°58	8°28	4°32	27°32	13°22	7°39	28° 8	28°17	27°56	29°13	13° 7	20° 1	F 11
S 12	1 50 55	25°58'30	21°57	24°38	9°28	5°16	27°31	13°22	7°40	28°10	28°17	27°R57	29°10	13°14	19°58	S 12
S 13	1 54 51	26°58'33	4♌43	26°16	10°28	6° 0	27°31	13°22	7°42	28°12	28°17	27°57	29° 6	13°20	19°56	S 13
M14	1 58 48	27°58'38	17°54	27°55	11°29	6°45	27°30	13°23	7°43	28°14	28°17	27°55	29° 3	13°27	19°54	M14
T 15	2 2 44	28°58'45	1♍32	29°32	12°30	7°29	27°30	13°23	7°44	28°16	28°18	27°52	29° 0	13°34	19°52	T 15
W16	2 6 41	29°58'54	15°40	1♏10	13°32	8°14	27°D30	13°23	7°45	28°18	28°18	27°49	28°57	13°40	19°50	W16
T 17	2 10 37	0♏59'05	0♎14	2°47	14°33	8°58	27°30	13°24	7°47	28°20	28°18	27°45	28°54	13°47	19°48	T 17
F 18	2 14 34	1°59'18	15°10	4°23	15°36	9°43	27°30	13°25	7°48	28°22	28°19	27°41	28°50	13°54	19°47	F 18
S 19	2 18 31	2°59'33	0♏19	5°59	16°38	10°28	27°30	13°26	7°49	28°24	28°19	27°38	28°47	14° 0	19°45	S 19
S 20	2 22 27	3°59'50	15°33	7°35	17°41	11°12	27°31	13°27	7°50	28°26	28°20	27°36	28°44	14° 7	19°43	S 20
M21	2 26 24	5° 0'09	0♐40	9°10	18°45	11°57	27°32	13°28	7°51	28°28	28°20	27°D36	28°41	14°14	19°41	M21
T 22	2 30 20	6° 0'29	15°33	10°45	19°48	12°42	27°33	13°29	7°51	28°30	28°21	27°37	28°38	14°20	19°39	T 22
W23	2 34 17	7° 0'51	0♑ 5	12°20	20°52	13°27	27°34	13°30	7°52	28°32	28°21	27°38	28°35	14°27	19°38	W23
T 24	2 38 13	8° 1'14	14°13	13°54	21°57	14°12	27°36	13°31	7°53	28°34	28°22	27°40	28°31	14°34	19°36	T 24
F 25	2 42 10	9° 1'39	27°55	15°28	23° 1	14°57	27°37	13°33	7°54	28°35	28°22	27°41	28°28	14°40	19°35	F 25
S 26	2 46 6	10° 2'05	11♒12	17° 2	24° 6	15°43	27°39	13°34	7°54	28°37	28°23	27°R41	28°25	14°47	19°33	S 26
S 27	2 50 3	11° 2'33	24° 8	18°35	25°12	16°28	27°41	13°36	7°55	28°39	28°23	27°40	28°22	14°53	19°32	S 27
M28	2 54 0	12° 3'01	6♓44	20° 8	26°17	17°13	27°44	13°38	7°55	28°41	28°24	27°39	28°19	15° 0	19°30	M28
T 29	2 57 56	13° 3'31	19° 6	21°41	27°23	17°58	27°46	13°40	7°56	28°42	28°25	27°37	28°15	15° 7	19°29	T 29
W30	3 1 53	14° 4'03	1♈15	23°13	28°29	18°44	27°49	13°42	7°56	28°44	28°25	27°35	28°12	15°13	19°27	W30
T 31	3 5 49	15♏ 4'36	13♈15	24♏46	29♍35	19♐29	27♒52	13♒44	7♌57	28♍46	28♉26	27♏33	28♏ 9	15♉20	19♓26	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s56	3s17	5n 3	0s51	1n42	10n43	1s14	20s27	0s52	13s34	1s24	18s10	1s22	19n 5	0n37	2n11	1n26	26s17	5s49	19s53	20s10	16n59	0s 5	4n 3
W 2	6 19	1n10	4 43	1 36	1 37	10 30	1 7	20 38	0 53	13 35	1 24	18 10	1 22	19 5	0 37	2 11	1 26	26 16	5 49	19 51	20 10	17 1	0 7	4 3
T 3	6 42	5 31	4 10	2 21	1 33	10 18	1 0	20 48	0 53	13 36	1 24	18 10	1 22	19 5	0 37	2 10	1 26	26 16	5 49	19 49	20 9	17 2	0 8	4 3
F 4	7 5	9 36	3 27	3 6	1 28	10 5	0 53	20 58	0 54	13 37	1 24	18 11	1 22	19 4	0 37	2 9	1 26	26 16	5 49	19 48	20 8	17 3	0 9	4 3
S 5	7 28	13 17	2 35	3 50	1 22	9 51	0 46	21 8	0 54	13 37	1 24	18 11	1 22	19 4	0 37	2 8	1 26	26 16	5 49	19 47	20 8	17 4	0 10	4 3
S 6	7 51	16 24	1 36	4 35	1 17	9 37	0 39	21 18	0 54	13 38	1 23	18 11	1 22	19 3	0 37	2 7	1 26	26 16	5 48	19 46	20 7	17 6	0 11	4 3
M 7	8 13	18 49	0 33	5 20	1 11	9 22	0 32	21 27	0 55	13 38	1 23	18 11	1 22	19 3	0 37	2 6	1 26	26 16	5 48	19 45	20 6	17 7	0 12	4 2
T 8	8 36	20 26	0s31	6 4	1 5	9 7	0 26	21 37	0 55	13 39	1 23	18 11	1 22	19 3	0 37	2 6	1 26	26 16	5 48	19 45	20 6	17 8	0 13	4 2
W 9	8 58	21 10	1 35	6 48	0 59	8 52	0 19	21 46	0 56	13 39	1 23	18 11	1 22	19 2	0 37	2 5	1 26	26 16	5 48	19 46	20 5	17 9	0 14	4 2
T 10	9 20	20 56	2 35	7 31	0 53	8 36	0 13	21 55	0 56	13 39	1 23	18 11	1 22	19 2	0 37	2 4	1 26	26 16	5 48	19 46	20 4	17 11	0 15	4 2
F 11	9 42	19 43	3 29	8 14	0 47	8 19	0 7	22 3	0 57	13 40	1 22	18 11	1 22	19 2	0 37	2 3	1 26	26 16	5 48	19 47	20 3	17 12	0 16	4 2
S 12	10 4	17 33	4 14	8 57	0 40	8 2	0 1	22 12	0 57	13 40	1 22	18 11	1 22	19 1	0 37	2 2	1 26	26 15	5 48	19 47	20 3	17 13	0 17	4 1
S 13	10 26	14 29	4 49	9 39	0 34	7 45	0n 5	22 20	0 57	13 40	1 22	18 11	1 22	19 1	0 37	2 2	1 26	26 15	5 48	19 47	20 2	17 14	0 18	4 1
M14	10 48	10 37	5 9	10 21	0 27	7 27	0 11	22 28	0 58	13 40	1 22	18 10	1 22	19 1	0 37	2 1	1 26	26 15	5 48	19 46	20 1	17 16	0 19	4 1
T 15	11 9	6 5	5 13	11 2	0 21	7 9	0 16	22 36	0 58	13 40	1 22	18 10	1 22	19 0	0 37	2 0	1 26	26 15	5 48	19 46	20 1	17 17	0 20	4 1
W16	11 30	1 5	4 59	11 42	0 14	6 50	0 22	22 44	0 59	13 40	1 21	18 10	1 22	19 0	0 37	1 59	1 26	26 15	5 48	19 45	20 0	17 18	0 21	4 1
T 17	11 52	4s 9	4 25	12 22	0 7	6 31	0 27	22 51	0 59	13 40	1 21	18 10	1 21	19 0	0 37	1 59	1 26	26 15	5 47	19 44	19 59	17 19	0 22	4 0
F 18	12 13	9 16	3 33	13 1	0 1	6 12	0 33	22 58	0 59	13 39	1 21	18 9	1 21	19 0	0 37	1 58	1 26	26 15	5 47	19 43	19 59	17 20	0 23	4 0
S 19	12 33	13 53	2 25	13 40	0s 6	5 52	0 38	23 5	1 0	13 39	1 21	18 9	1 21	18 59	0 37	1 57	1 26	26 14	5 47	19 42	19 58	17 21	0 24	4 0
S 20	12 54	17 37	1 6	14 18	0 13	5 32	0 43	23 12	1 0	13 39	1 21	18 9	1 21	18 59	0 38	1 56	1 26	26 14	5 47	19 42	19 57	17 23	0 25	4 0
M21	13 14	20 6	0n17	14 55	0 19	5 12	0 48	23 18	1 0	13 38	1 20	18 8	1 21	18 59	0 38	1 56	1 26	26 14	5 47	19 42	19 57	17 24	0 26	3 59
T 22	13 34	21 8	1 38	15 31	0 26	4 51	0 52	23 25	1 1	13 37	1 20	18 8	1 21	18 59	0 38	1 55	1 26	26 14	5 47	19 42	19 56	17 25	0 27	3 59
W23	13 54	20 42	2 50	16 7	0 33	4 30	0 57	23 31	1 1	13 37	1 20	18 8	1 21	18 59	0 38	1 54	1 26	26 14	5 47	19 42	19 55	17 26	0 28	3 59
T 24	14 14	18 57	3 50	16 41	0 39	4 9	1 2	23 37	1 1	13 36	1 20	18 7	1 21	18 58	0 38	1 54	1 26	26 13	5 47	19 43	19 54	17 27	0 28	3 59
F 25	14 34	16 10	4 35	17 15	0 45	3 47	1 6	23 42	1 2	13 35	1 20	18 7	1 21	18 58	0 38	1 53	1 26	26 13	5 47	19 43	19 54	17 29	0 29	3 59
S 26	14 53	12 37	5 4	17 49	0 52	3 25	1 10	23 47	1 2	13 35	1 19	18 6	1 21	18 58	0 38	1 52	1 26	26 13	5 47	19 43	19 53	17 30	0 30	3 58
S 27	15 12	8 33	5 16	18 21	0 58	3 3	1 14	23 52	1 2	13 34	1 19	18 6	1 21	18 58	0 38	1 52	1 26	26 13	5 47	19 43	19 52	17 31	0 31	3 58
M28	15 31	4 14	5 13	18 52	1 4	2 41	1 18	23 57	1 3	13 33	1 19	18 5	1 21	18 58	0 38	1 51	1 26	26 13	5 47	19 43	19 52	17 32	0 32	3 58
T 29	15 49	0n11	4 55	19 23	1 10	2 18	1 22	24 2	1 3	13 32	1 19	18 4	1 21	18 58	0 38	1 50	1 26	26 12	5 46	19 42	19 51	17 33	0 32	3 58
W30	16 7	4 32	4 24	19 52	1 16	1 55	1 26	24 6	1 3	13 30	1 19	18 4	1 21	18 58	0 38	1 50	1 27	26 12	5 46	19 42	19 50	17 34	0 33	3 57
T 31	16s25	8n39	3n42	20s21	1s21	1n32	1n29	24s10	1s 4	13s29	1s18	18s 3	1s21	18n58	0n38	1n49	1n27	26s12	5s46	19s41	19s49	17n35	0s34	3n57

Julian Day Number = 2191042.5, Delta T = 10m45s
Ecliptic obliquity = 23°31'51, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'35, Lahiri = 13°54'35 Julian Calendar 1 Oct. 1286 == Greg. Calendar 8 Oct. 1286

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ASTRODIENST EPHEMERIS for the year 1286
geocentric

NOVEMBER 1286 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 9 46	16♏ 5'10	25♈ 9	26♏18	0♎42	20♐15	27♒55	13♒46	7♑57	28♍47	28♑27	27°R31	28♏ 6	15♉27	19°R25	F 1
S 2	3 13 42	17° 5'46	6♉58	27°49	1°49	21° 0	27°58	13°48	7°57	28°49	28°28	27♏30	28° 3	15°33	19♓24	S 2
S 3	3 17 39	18° 6'23	18°46	29°21	2°56	21°46	28° 2	13°50	7°57	28°51	28°29	27°29	28° 0	15°40	19°23	S 3
M 4	3 21 35	19° 7'01	0♊35	0♐52	4° 3	22°32	28° 5	13°53	7°57	28°52	28°29	27°D29	27°56	15°47	19°22	M 4
T 5	3 25 32	20° 7'42	12°26	2°24	5°10	23°17	28° 9	13°55	7°57	28°54	28°30	27°30	27°53	15°53	19°21	T 5
W 6	3 29 29	21° 8'23	24°21	3°54	6°18	24° 3	28°13	13°58	7°R58	28°55	28°31	27°30	27°50	16° 0	19°20	W 6
T 7	3 33 25	22° 9'06	6♋25	5°25	7°26	24°49	28°18	14° 1	7°57	28°57	28°32	27°31	27°47	16° 7	19°19	T 7
F 8	3 37 22	23° 9'51	18°38	6°55	8°34	25°35	28°22	14° 4	7°57	28°58	28°33	27°31	27°44	16°13	19°18	F 8
S 9	3 41 18	24°10'38	1♌ 6	8°25	9°43	26°21	28°27	14° 7	7°57	29° 0	28°34	27°32	27°41	16°20	19°17	S 9
S 10	3 45 15	25°11'25	13°50	9°55	10°51	27° 7	28°31	14°10	7°57	29° 1	28°35	27°32	27°37	16°27	19°16	S 10
M11	3 49 11	26°12'15	26°56	11°24	12° 0	27°53	28°36	14°13	7°57	29° 3	28°36	27°R32	27°34	16°33	19°16	M11
T 12	3 53 8	27°13'05	10♍25	12°53	13° 9	28°39	28°42	14°16	7°56	29° 4	28°37	27°D32	27°31	16°40	19°15	T 12
W13	3 57 4	28°13'58	24°18	14°22	14°18	29°25	28°47	14°19	7°56	29° 5	28°38	27°32	27°28	16°46	19°14	W13
T 14	4 1 1	29°14'51	8♎37	15°50	15°27	0♑11	28°52	14°23	7°56	29° 7	28°39	27°32	27°25	16°53	19°14	T 14
F 15	4 4 58	0♐15'47	23°19	17°17	16°37	0°57	28°58	14°26	7°55	29° 8	28°40	27°32	27°21	17° 0	19°13	F 15
S 16	4 8 54	1°16'43	8♏18	18°43	17°46	1°43	29° 4	14°30	7°55	29° 9	28°41	27°33	27°18	17° 6	19°13	S 16
S 17	4 12 51	2°17'41	23°28	20° 9	18°56	2°30	29°10	14°33	7°54	29°11	28°43	27°R33	27°15	17°13	19°13	S 17
M18	4 16 47	3°18'40	8♐38	21°34	20° 6	3°16	29°16	14°37	7°53	29°12	28°44	27°33	27°12	17°20	19°12	M18
T 19	4 20 44	4°19'40	23°40	22°57	21°16	4° 2	29°23	14°41	7°53	29°13	28°45	27°32	27° 9	17°26	19°12	T 19
W20	4 24 40	5°20'40	8♑25	24°20	22°26	4°49	29°29	14°45	7°52	29°14	28°46	27°32	27° 6	17°33	19°12	W20
T 21	4 28 37	6°21'42	22°46	25°40	23°36	5°35	29°36	14°49	7°51	29°15	28°47	27°31	27° 2	17°40	19°12	T 21
F 22	4 32 33	7°22'44	6♒41	26°59	24°47	6°22	29°43	14°53	7°50	29°16	28°49	27°29	26°59	17°46	19°12	F 22
S 23	4 36 30	8°23'47	20° 7	28°16	25°57	7° 8	29°50	14°57	7°49	29°17	28°50	27°28	26°56	17°53	19°D12	S 23
S 24	4 40 27	9°24'50	3♓ 8	29°30	27° 8	7°55	29°57	15° 1	7°48	29°18	28°51	27°28	26°53	18° 0	19°12	S 24
M25	4 44 23	10°25'53	15°46	0♑41	28°19	8°42	0♓ 4	15° 6	7°47	29°19	28°53	27°D28	26°50	18° 6	19°12	M25
T 26	4 48 20	11°26'58	28° 4	1°49	29°30	9°28	0°12	15°10	7°46	29°20	28°54	27°28	26°47	18°13	19°12	T 26
W27	4 52 16	12°28'02	10♈ 9	2°53	0♏41	10°15	0°20	15°15	7°45	29°21	28°55	27°30	26°43	18°20	19°12	W27
T 28	4 56 13	13°29'07	22° 3	3°53	1°52	11° 2	0°28	15°19	7°44	29°22	28°57	27°31	26°40	18°26	19°12	T 28
F 29	5 0 9	14°30'13	3♉52	4°47	3° 3	11°48	0°36	15°24	7°43	29°23	28°58	27°33	26°37	18°33	19°13	F 29
S 30	5 4 6	15♐31'19	15♉39	5♑36	4♏15	12♑35	0♓44	15♒29	7♑42	29♍24	29♑ 0	27♏34	26♏34	18♉39	19♓13	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s43	12n24	2n50	20s48	1s27	1n 8	1n33	24s14	1s 4	13s28	1s18	18s 2	1s20	18n58	0n38	1n48	1n27	26s12	5s46	19s41	19s49	17n37	0s35	3n57
S 2	17 0	15 39	1 52	21 15	1 32	0 45	1 36	24 17	1 4	13 27	1 18	18 2	1 20	18 58	0 38	1 48	1 27	26 11	5 46	19 41	19 48	17 38	0 35	3 57
S 3	17 17	18 15	0 48	21 40	1 37	0 21	1 39	24 21	1 4	13 25	1 18	18 1	1 20	18 58	0 38	1 47	1 27	26 11	5 46	19 40	19 47	17 39	0 36	3 56
M 4	17 34	20 4	0s17	22 5	1 42	0s 3	1 42	24 24	1 5	13 24	1 18	18 0	1 20	18 58	0 38	1 47	1 27	26 11	5 46	19 40	19 47	17 40	0 37	3 56
T 5	17 51	21 1	1 22	22 28	1 47	0 28	1 45	24 26	1 5	13 22	1 17	17 59	1 20	18 58	0 38	1 46	1 27	26 11	5 46	19 41	19 46	17 41	0 37	3 56
W 6	18 7	21 1	2 24	22 50	1 52	0 52	1 48	24 29	1 5	13 21	1 17	17 59	1 20	18 58	0 38	1 45	1 27	26 10	5 46	19 41	19 45	17 42	0 38	3 56
T 7	18 23	20 3	3 20	23 11	1 56	1 16	1 50	24 31	1 5	13 19	1 17	17 58	1 20	18 58	0 38	1 45	1 27	26 10	5 46	19 41	19 44	17 43	0 38	3 55
F 8	18 38	18 8	4 8	23 31	2 0	1 41	1 53	24 33	1 6	13 17	1 17	17 57	1 20	18 58	0 38	1 44	1 27	26 10	5 46	19 41	19 44	17 44	0 39	3 55
S 9	18 53	15 21	4 45	23 50	2 4	2 6	1 55	24 35	1 6	13 15	1 17	17 56	1 20	18 58	0 38	1 44	1 27	26 10	5 46	19 41	19 43	17 45	0 40	3 55
S 10	19 8	11 48	5 9	24 7	2 7	2 31	1 57	24 36	1 6	13 14	1 16	17 55	1 20	18 58	0 38	1 43	1 27	26 9	5 45	19 41	19 42	17 47	0 40	3 54
M11	19 23	7 36	5 18	24 23	2 11	2 56	2 0	24 37	1 6	13 12	1 16	17 54	1 20	18 58	0 38	1 43	1 27	26 9	5 45	19 41	19 42	17 48	0 41	3 54
T 12	19 37	2 54	5 10	24 38	2 13	3 21	2 2	24 38	1 6	13 10	1 16	17 53	1 20	18 58	0 38	1 42	1 27	26 9	5 45	19 41	19 41	17 49	0 41	3 54
W13	19 51	2s 5	4 44	24 52	2 16	3 46	2 3	24 38	1 7	13 8	1 16	17 52	1 20	18 58	0 38	1 42	1 27	26 8	5 45	19 41	19 40	17 50	0 42	3 54
T 14	20 4	7 6	4 0	25 4	2 18	4 11	2 5	24 39	1 7	13 5	1 16	17 51	1 20	18 59	0 39	1 41	1 27	26 8	5 45	19 41	19 39	17 51	0 42	3 53
F 15	20 17	11 52	2 59	25 14	2 20	4 36	2 7	24 39	1 7	13 3	1 15	17 50	1 20	18 59	0 39	1 41	1 27	26 8	5 45	19 41	19 39	17 52	0 42	3 53
S 16	20 30	15 59	1 45	25 23	2 21	5 1	2 8	24 38	1 7	13 1	1 15	17 49	1 19	18 59	0 39	1 40	1 27	26 8	5 45	19 41	19 38	17 53	0 43	3 53
S 17	20 42	19 5	0 23	25 31	2 22	5 27	2 10	24 38	1 7	12 59	1 15	17 48	1 19	18 59	0 39	1 40	1 27	26 7	5 45	19 41	19 37	17 54	0 43	3 53
M18	20 54	20 49	1n 1	25 37	2 22	5 52	2 11	24 37	1 8	12 56	1 15	17 46	1 19	18 59	0 39	1 39	1 27	26 7	5 45	19 41	19 36	17 55	0 44	3 52
T 19	21 5	21 3	2 20	25 42	2 22	6 17	2 12	24 36	1 8	12 54	1 15	17 45	1 19	18 59	0 39	1 39	1 27	26 7	5 45	19 41	19 36	17 56	0 44	3 52
W20	21 16	19 48	3 28	25 45	2 21	6 42	2 13	24 34	1 8	12 51	1 14	17 44	1 19	19 0	0 39	1 39	1 28	26 6	5 45	19 41	19 35	17 57	0 44	3 52
T 21	21 27	17 18	4 21	25 47	2 19	7 7	2 14	24 33	1 8	12 49	1 14	17 43	1 19	19 0	0 39	1 38	1 28	26 6	5 45	19 41	19 34	17 58	0 45	3 51
F 22	21 37	13 53	4 57	25 47	2 17	7 33	2 15	24 31	1 8	12 46	1 14	17 42	1 19	19 0	0 39	1 38	1 28	26 6	5 45	19 40	19 34	17 59	0 45	3 51
S 23	21 47	9 51	5 15	25 46	2 14	7 58	2 16	24 28	1 8	12 44	1 14	17 40	1 19	19 0	0 39	1 37	1 28	26 5	5 45	19 40	19 33	18 0	0 45	3 51
S 24	21 57	5 29	5 16	25 42	2 11	8 23	2 16	24 26	1 8	12 41	1 14	17 39	1 19	19 1	0 39	1 37	1 28	26 5	5 45	19 40	19 32	18 1	0 45	3 51
M25	22 6	1 0	5 2	25 38	2 6	8 47	2 17	24 23	1 8	12 38	1 14	17 38	1 19	19 1	0 39	1 37	1 28	26 5	5 45	19 40	19 31	18 2	0 46	3 50
T 26	22 14	3n25	4 34	25 32	2 1	9 12	2 17	24 20	1 9	12 35	1 13	17 36	1 19	19 1	0 39	1 36	1 28	26 4	5 45	19 40	19 31	18 3	0 46	3 50
W27	22 23	7 37	3 54	25 24	1 54	9 37	2 17	24 16	1 9	12 32	1 13	17 35	1 19	19 2	0 39	1 36	1 28	26 4	5 45	19 41	19 30	18 4	0 46	3 50
T 28	22 30	11 28	3 4	25 15	1 47	10 1	2 17	24 13	1 9	12 29	1 13	17 33	1 19	19 2	0 39	1 36	1 28	26 4	5 44	19 41	19 29	18 5	0 46	3 50
F 29	22 38	14 51	2 8	25 5	1 39	10 26	2 17	24 9	1 9	12 26	1 13	17 32	1 19	19 2	0 39	1 35	1 28	26 3	5 44	19 41	19 28	18 6	0 46	3 49
S 30	22s44	17n38	1n 6	24s54	1s29	10s50	2n17	24s 4	1s 9	12s23	1s13	17s31	1s19	19n 3	0n39	1n35	1n28	26s 3	5s44	19s41	19s28	18n 7	0s46	3n49

Julian Day Number = 2191073.5, Delta T = 10m45s
Ecliptic obliquity = 23°31'50, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'39, Lahiri = 13°54'40 Julian Calendar 1 Nov. 1286 == Greg. Calendar 8 Nov. 1286

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ASTRODIENST EPHEMERIS for the year 1286
geocentric

DECEMBER 1286 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 8 2	16♐32'25	27♉27	6♑17	5♏26	13♑22	0♓52	15♒33	7°R40	29♍25	29♑ 1	27°R34	26♏31	18♉46	19♓13	S 1
M 2	5 11 59	17°33'32	9♊20	6°52	6°38	14° 9	1° 0	15°38	7♌39	29°26	29° 2	27♏34	26°27	18°53	19°14	M 2
T 3	5 15 56	18°34'39	21°19	7°17	7°50	14°56	1° 9	15°43	7°38	29°26	29° 4	27°32	26°24	18°59	19°14	T 3
W 4	5 19 52	19°35'47	3♋25	7°34	9° 1	15°43	1°18	15°48	7°36	29°27	29° 5	27°29	26°21	19° 6	19°15	W 4
T 5	5 23 49	20°36'56	15°42	7°R40	10°13	16°30	1°27	15°53	7°35	29°28	29° 7	27°26	26°18	19°13	19°16	T 5
F 6	5 27 45	21°38'05	28° 9	7°35	11°25	17°17	1°36	15°59	7°33	29°28	29° 9	27°22	26°15	19°19	19°16	F 6
S 7	5 31 42	22°39'14	10♌48	7°19	12°37	18° 4	1°45	16° 4	7°31	29°29	29°10	27°18	26°12	19°26	19°17	S 7
S 8	5 35 38	23°40'24	23°42	6°51	13°49	18°51	1°54	16° 9	7°30	29°30	29°12	27°14	26° 8	19°33	19°18	S 8
M 9	5 39 35	24°41'34	6♍50	6°11	15° 2	19°38	2° 3	16°14	7°28	29°30	29°13	27°11	26° 5	19°39	19°19	M 9
T 10	5 43 31	25°42'45	20°15	5°21	16°14	20°25	2°13	16°20	7°26	29°31	29°15	27°D10	26° 2	19°46	19°20	T 10
W11	5 47 28	26°43'56	3♎59	4°19	17°26	21°12	2°22	16°25	7°25	29°31	29°16	27°10	25°59	19°53	19°21	W11
T 12	5 51 25	27°45'08	18° 1	3°10	18°39	21°59	2°32	16°31	7°23	29°31	29°18	27°11	25°56	19°59	19°22	T 12
F 13	5 55 21	28°46'20	2♏21	1°54	19°51	22°46	2°42	16°37	7°21	29°32	29°20	27°13	25°53	20° 6	19°23	F 13
S 14	5 59 18	29°47'33	16°58	0°34	21° 4	23°33	2°52	16°42	7°19	29°32	29°21	27°14	25°49	20°13	19°24	S 14
S 15	6 3 14	0♑48'46	1♐46	29♐12	22°17	24°21	3° 2	16°48	7°17	29°33	29°23	27°R14	25°46	20°19	19°25	S 15
M16	6 7 11	1°49'59	16°41	27°52	23°29	25° 8	3°13	16°54	7°15	29°33	29°25	27°13	25°43	20°26	19°27	M16
T 17	6 11 7	2°51'12	1♑33	26°36	24°42	25°55	3°23	17° 0	7°13	29°33	29°26	27°10	25°40	20°32	19°28	T 17
W18	6 15 4	3°52'25	16°15	25°25	25°55	26°42	3°34	17° 6	7°11	29°33	29°28	27° 5	25°37	20°39	19°29	W18
T 19	6 19 1	4°53'38	0♒39	24°22	27° 8	27°30	3°44	17°12	7° 9	29°34	29°30	26°59	25°33	20°46	19°31	T 19
F 20	6 22 57	5°54'51	14°39	23°28	28°21	28°17	3°55	17°18	7° 7	29°34	29°32	26°52	25°30	20°52	19°32	F 20
S 21	6 26 54	6°56'03	28°14	22°44	29°34	29° 4	4° 6	17°24	7° 5	29°34	29°33	26°46	25°27	20°59	19°34	S 21
S 22	6 30 50	7°57'14	11♓21	22°10	0♐47	29°52	4°17	17°30	7° 3	29°34	29°35	26°41	25°24	21° 6	19°35	S 22
M23	6 34 47	8°58'25	24° 4	21°45	2° 0	0♒39	4°28	17°36	7° 1	29°34	29°37	26°38	25°21	21°12	19°37	M23
T 24	6 38 43	9°59'36	6♈26	21°31	3°13	1°26	4°39	17°42	6°58	29°R34	29°39	26°D37	25°18	21°19	19°39	T 24
W25	6 42 40	11° 0'46	18°31	21°D26	4°26	2°14	4°50	17°49	6°56	29°34	29°40	26°37	25°14	21°26	19°40	W25
T 26	6 46 36	12° 1'55	0♉24	21°29	5°39	3° 1	5° 2	17°55	6°54	29°34	29°42	26°38	25°11	21°32	19°42	T 26
F 27	6 50 33	13° 3'03	12°12	21°40	6°53	3°48	5°13	18° 1	6°51	29°34	29°44	26°40	25° 8	21°39	19°44	F 27
S 28	6 54 30	14° 4'11	23°59	21°59	8° 6	4°36	5°25	18° 8	6°49	29°34	29°46	26°R41	25° 5	21°46	19°46	S 28
S 29	6 58 26	15° 5'19	5♊49	22°25	9°19	5°23	5°36	18°14	6°47	29°34	29°48	26°40	25° 2	21°52	19°48	S 29
M30	7 2 23	16° 6'25	17°47	22°56	10°33	6°11	5°48	18°21	6°44	29°33	29°49	26°38	24°59	21°59	19°50	M30
T 31	7 6 19	17♑ 7'31	29♊55	23♐33	11♐46	6♒58	6♓ 0	18♒27	6♌42	29♍33	29♑51	26♏33	24♏55	22♉ 6	19♓52	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s51	19n41	0n 1	24s41	1s18	11s14	2n17	24s 0	1s 9	12s20	1s12	17s29	1s19	19n 3	0n39	1n35	1n28	26s 3	5s44	19s42	19s27	18n 8	0s46	3n49
M 2	22 57	20 52	1s 5	24 27	1 6	11 38	2 17	23 55	1 9	12 17	1 12	17 28	1 19	19 4	0 39	1 35	1 28	26 2	5 44	19 41	19 26	18 9	0 47	3 48
T 3	23 2	21 7	2 7	24 12	0 53	12 1	2 16	23 50	1 9	12 14	1 12	17 26	1 19	19 4	0 39	1 34	1 28	26 2	5 44	19 41	19 25	18 10	0 47	3 48
W 4	23 7	20 24	3 5	23 57	0 38	12 25	2 16	23 45	1 9	12 11	1 12	17 25	1 19	19 4	0 39	1 34	1 28	26 2	5 44	19 40	19 25	18 11	0 47	3 48
T 5	23 12	18 43	3 55	23 41	0 22	12 48	2 15	23 39	1 9	12 7	1 12	17 23	1 19	19 5	0 39	1 34	1 28	26 1	5 44	19 40	19 24	18 12	0 47	3 48
F 6	23 16	16 8	4 35	23 24	0 5	13 11	2 14	23 33	1 9	12 4	1 12	17 21	1 18	19 5	0 39	1 34	1 28	26 1	5 44	19 39	19 23	18 13	0 47	3 47
S 7	23 20	12 45	5 1	23 7	0n13	13 34	2 14	23 27	1 9	12 0	1 11	17 20	1 18	19 6	0 39	1 33	1 28	26 1	5 44	19 38	19 22	18 14	0 47	3 47
S 8	23 23	8 44	5 14	22 49	0 32	13 56	2 13	23 20	1 9	11 57	1 11	17 18	1 18	19 6	0 39	1 33	1 28	26 0	5 44	19 37	19 22	18 15	0 46	3 47
M 9	23 25	4 14	5 10	22 31	0 52	14 18	2 12	23 14	1 9	11 53	1 11	17 16	1 18	19 7	0 39	1 33	1 29	26 0	5 44	19 36	19 21	18 16	0 46	3 47
T 10	23 28	0s33	4 49	22 14	1 12	14 40	2 11	23 7	1 9	11 50	1 11	17 15	1 18	19 7	0 39	1 33	1 29	25 59	5 44	19 36	19 20	18 17	0 46	3 46
W11	23 29	5 26	4 12	21 56	1 31	15 2	2 10	22 59	1 9	11 46	1 11	17 13	1 18	19 7	0 40	1 33	1 29	25 59	5 44	19 36	19 19	18 18	0 46	3 46
T 12	23 31	10 9	3 19	21 39	1 50	15 23	2 8	22 52	1 9	11 42	1 11	17 11	1 18	19 8	0 40	1 33	1 29	25 59	5 44	19 36	19 19	18 19	0 46	3 46
F 13	23 31	14 24	2 12	21 23	2 8	15 44	2 7	22 44	1 9	11 39	1 11	17 10	1 18	19 8	0 40	1 33	1 29	25 58	5 44	19 37	19 18	18 20	0 46	3 45
S 14	23 32	17 52	0 56	21 7	2 25	16 4	2 6	22 36	1 9	11 35	1 10	17 8	1 18	19 9	0 40	1 33	1 29	25 58	5 44	19 37	19 17	18 21	0 46	3 45
S 15	23 32	20 11	0n25	20 52	2 39	16 25	2 4	22 28	1 9	11 31	1 10	17 6	1 18	19 10	0 40	1 32	1 29	25 58	5 44	19 37	19 16	18 22	0 45	3 45
M16	23 31	21 8	1 44	20 39	2 52	16 44	2 3	22 19	1 9	11 27	1 10	17 4	1 18	19 10	0 40	1 32	1 29	25 57	5 44	19 37	19 16	18 23	0 45	3 45
T 17	23 30	20 35	2 56	20 28	3 1	17 4	2 1	22 10	1 9	11 23	1 10	17 3	1 18	19 11	0 40	1 32	1 29	25 57	5 44	19 36	19 15	18 24	0 45	3 44
W18	23 28	18 38	3 56	20 18	3 9	17 23	1 59	22 1	1 9	11 19	1 10	17 1	1 18	19 11	0 40	1 32	1 29	25 57	5 44	19 35	19 14	18 25	0 44	3 44
T 19	23 26	15 33	4 39	20 11	3 14	17 41	1 57	21 52	1 9	11 15	1 10	16 59	1 18	19 12	0 40	1 32	1 29	25 56	5 44	19 33	19 13	18 26	0 44	3 44
F 20	23 24	11 39	5 4	20 6	3 16	17 59	1 56	21 42	1 9	11 11	1 10	16 57	1 18	19 12	0 40	1 32	1 29	25 56	5 44	19 32	19 13	18 27	0 44	3 44
S 21	23 21	7 16	5 11	20 4	3 17	18 17	1 54	21 32	1 9	11 7	1 9	16 55	1 18	19 13	0 40	1 32	1 29	25 55	5 44	19 31	19 12	18 28	0 43	3 43
S 22	23 17	2 42	5 1	20 3	3 15	18 34	1 52	21 22	1 9	11 3	1 9	16 53	1 18	19 13	0 40	1 32	1 29	25 55	5 44	19 29	19 11	18 28	0 43	3 43
M23	23 14	1n52	4 36	20 5	3 12	18 51	1 50	21 12	1 8	10 59	1 9	16 51	1 18	19 14	0 40	1 32	1 29	25 55	5 44	19 29	19 10	18 29	0 43	3 43
T 24	23 9	6 13	3 59	20 8	3 7	19 7	1 47	21 2	1 8	10 55	1 9	16 49	1 18	19 15	0 40	1 32	1 29	25 54	5 44	19 28	19 10	18 30	0 42	3 43
W25	23 4	10 14	3 12	20 14	3 2	19 23	1 45	20 51	1 8	10 50	1 9	16 47	1 18	19 15	0 40	1 32	1 29	25 54	5 44	19 28	19 9	18 31	0 42	3 42
T 26	22 59	13 48	2 18	20 21	2 55	19 38	1 43	20 40	1 8	10 46	1 9	16 45	1 18	19 16	0 40	1 32	1 30	25 54	5 44	19 29	19 8	18 32	0 41	3 42
F 27	22 53	16 47	1 18	20 29	2 47	19 53	1 41	20 28	1 8	10 42	1 9	16 43	1 18	19 16	0 40	1 33	1 30	25 53	5 44	19 29	19 7	18 33	0 41	3 42
S 28	22 47	19 5	0 15	20 38	2 39	20 7	1 38	20 17	1 8	10 37	1 9	16 41	1 18	19 17	0 40	1 33	1 30	25 53	5 44	19 29	19 7	18 34	0 40	3 42
S 29	22 40	20 33	0s49	20 48	2 30	20 21	1 36	20 5	1 8	10 33	1 8	16 39	1 18	19 18	0 40	1 33	1 30	25 52	5 44	19 29	19 6	18 35	0 40	3 41
M30	22 33	21 7	1 51	20 59	2 21	20 34	1 34	19 53	1 8	10 29	1 8	16 37	1 18	19 18	0 40	1 33	1 30	25 52	5 44	19 29	19 5	18 36	0 39	3 41
T 31	22s26	20n42	2s49	21s11	2n12	20s47	1n31	19s41	1s 7	10s24	1s 8	16s35	1s18	19n19	0n40	1n33	1n30	25s52	5s44	19s27	19s 4	18n36	0s39	3n41

Julian Day Number = 2191103.5, Delta T = 10m45s
Ecliptic obliquity = 23°31'49, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'43, Lahiri = 13°54'44 Julian Calendar 1 Dec. 1286 == Greg. Calendar 8 Dec. 1286

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ASTRODIENST EPHEMERIS for the year 1287
geocentric

JANUARY 1287 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 10 16	18♉ 8'36	12♋15	24♐16	13♐ 0	7♒45	6♓12	18♒34	6°R40	29°R33	29♉53	26°R26	24♏52	22♉12	19♓54	W 1
T 2	7 14 12	19° 9'41	24°49	25° 2	14°13	8°33	6°24	18°41	6♌37	29♍33	29°55	26♏17	24°49	22°19	19°56	T 2
F 3	7 18 9	20°10'44	7♌36	25°53	15°27	9°20	6°36	18°47	6°35	29°32	29°57	26° 7	24°46	22°25	19°58	F 3
S 4	7 22 5	21°11'48	20°36	26°48	16°40	10° 8	6°48	18°54	6°32	29°32	29°59	25°56	24°43	22°32	20° 0	S 4
S 5	7 26 2	22°12'50	3♍48	27°46	17°54	10°55	7° 0	19° 1	6°30	29°32	0♒ 0	25°47	24°39	22°39	20° 3	S 5
M 6	7 29 59	23°13'52	17°12	28°46	19° 7	11°42	7°13	19° 8	6°27	29°31	0° 2	25°40	24°36	22°45	20° 5	M 6
T 7	7 33 55	24°14'53	0♎47	29°50	20°21	12°30	7°25	19°14	6°25	29°31	0° 4	25°35	24°33	22°52	20° 7	T 7
W 8	7 37 52	25°15'54	14°32	0♏56	21°35	13°17	7°38	19°21	6°22	29°30	0° 6	25°32	24°30	22°59	20°10	W 8
T 9	7 41 48	26°16'54	28°27	2° 4	22°48	14° 5	7°50	19°28	6°19	29°30	0° 8	25°D32	24°27	23° 5	20°12	T 9
F 10	7 45 45	27°17'53	12♏33	3°15	24° 2	14°52	8° 3	19°35	6°17	29°29	0°10	25°32	24°24	23°12	20°14	F 10
S 11	7 49 41	28°18'52	26°48	4°27	25°16	15°39	8°16	19°42	6°14	29°29	0°12	25°R33	24°20	23°19	20°17	S 11
S 12	7 53 38	29°19'50	11♐10	5°41	26°30	16°27	8°29	19°49	6°12	29°28	0°13	25°32	24°17	23°25	20°19	S 12
M13	7 57 34	0♒20'48	25°38	6°56	27°43	17°14	8°42	19°56	6° 9	29°27	0°15	25°28	24°14	23°32	20°22	M13
T 14	8 1 31	1°21'44	10♑ 6	8°13	28°57	18° 2	8°54	20° 3	6° 6	29°27	0°17	25°22	24°11	23°39	20°25	T 14
W15	8 5 28	2°22'40	24°28	9°32	0♑11	18°49	9° 8	20°10	6° 4	29°26	0°19	25°13	24° 8	23°45	20°27	W15
T 16	8 9 24	3°23'34	8♒38	10°51	1°25	19°37	9°21	20°17	6° 1	29°25	0°21	25° 2	24° 5	23°52	20°30	T 16
F 17	8 13 21	4°24'27	22°30	12°12	2°39	20°24	9°34	20°24	5°59	29°25	0°23	24°50	24° 1	23°58	20°33	F 17
S 18	8 17 17	5°25'19	6♓ 1	13°35	3°53	21°11	9°47	20°32	5°56	29°24	0°25	24°39	23°58	24° 5	20°36	S 18
S 19	8 21 14	6°26'09	19° 9	14°58	5° 6	21°59	10° 0	20°39	5°53	29°23	0°27	24°29	23°55	24°12	20°38	S 19
M20	8 25 10	7°26'58	1♈54	16°22	6°20	22°46	10°14	20°46	5°51	29°22	0°28	24°21	23°52	24°18	20°41	M20
T 21	8 29 7	8°27'46	14°18	17°47	7°34	23°33	10°27	20°53	5°48	29°21	0°30	24°16	23°49	24°25	20°44	T 21
W22	8 33 3	9°28'32	26°25	19°14	8°48	24°21	10°40	21° 0	5°45	29°20	0°32	24°13	23°45	24°32	20°47	W22
T 23	8 37 0	10°29'16	8♉20	20°41	10° 2	25° 8	10°54	21° 7	5°43	29°19	0°34	24°D13	23°42	24°38	20°50	T 23
F 24	8 40 57	11°29'59	20° 8	22° 9	11°16	25°55	11° 8	21°15	5°40	29°18	0°36	24°R13	23°39	24°45	20°53	F 24
S 25	8 44 53	12°30'40	1♊56	23°39	12°30	26°43	11°21	21°22	5°38	29°17	0°38	24°13	23°36	24°52	20°56	S 25
S 26	8 48 50	13°31'19	13°48	25° 9	13°44	27°30	11°35	21°29	5°35	29°16	0°39	24°11	23°33	24°58	20°59	S 26
M27	8 52 46	14°31'57	25°49	26°40	14°58	28°17	11°48	21°36	5°32	29°15	0°41	24° 7	23°30	25° 5	21° 2	M27
T 28	8 56 43	15°32'33	8♋ 4	28°12	16°12	29° 4	12° 2	21°44	5°30	29°14	0°43	24° 1	23°26	25°12	21° 5	T 28
W29	9 0 39	16°33'07	20°35	29°44	17°26	29°52	12°16	21°51	5°27	29°13	0°45	23°51	23°23	25°18	21° 8	W29
T 30	9 4 36	17°33'39	3♌25	1♒18	18°40	0♓39	12°30	21°58	5°25	29°12	0°47	23°40	23°20	25°25	21°11	T 30
F 31	9 8 32	18♒34'10	16♌32	2♒53	19♑54	1♓26	12♓44	22♒ 6	5♌22	29♍11	0♒48	23♏27	23♏17	25♉32	21♓15	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s18	19n19	3s40	21s22	2n 2	20s59	1n29	19s29	1s 7	10s20	1s 8	16s33	1s18	19n19	0n40	1n33	1n30	25s51	5s44	19s26	19s 3	18n37	0s38	3n41
T 2	22 9	16 58	4 21	21 34	1 53	21 10	1 26	19 16	1 7	10 15	1 8	16 31	1 18	19 20	0 40	1 33	1 30	25 51	5 44	19 24	19 3	18 38	0 37	3 40
F 3	22 0	13 46	4 50	21 45	1 43	21 21	1 23	19 4	1 7	10 10	1 8	16 29	1 18	19 21	0 40	1 34	1 30	25 51	5 44	19 21	19 2	18 39	0 37	3 40
S 4	21 51	9 52	5 4	21 56	1 33	21 31	1 21	18 51	1 7	10 6	1 8	16 27	1 18	19 21	0 40	1 34	1 30	25 50	5 45	19 19	19 1	18 40	0 36	3 40
S 5	21 41	5 27	5 2	22 7	1 23	21 41	1 18	18 37	1 7	10 1	1 8	16 25	1 18	19 22	0 40	1 34	1 30	25 50	5 45	19 17	19 0	18 41	0 35	3 40
M 6	21 31	0 43	4 44	22 18	1 14	21 50	1 15	18 24	1 6	9 56	1 8	16 23	1 18	19 23	0 40	1 34	1 30	25 50	5 45	19 15	19 0	18 42	0 35	3 40
T 7	21 21	4s 8	4 10	22 28	1 4	21 58	1 12	18 11	1 6	9 52	1 7	16 21	1 18	19 23	0 40	1 34	1 30	25 49	5 45	19 14	18 59	18 42	0 34	3 39
W 8	21 10	8 50	3 21	22 37	0 54	22 6	1 10	17 57	1 6	9 47	1 7	16 18	1 18	19 24	0 40	1 35	1 30	25 49	5 45	19 13	18 58	18 43	0 33	3 39
T 9	20 59	13 8	2 20	22 46	0 45	22 13	1 7	17 43	1 6	9 42	1 7	16 16	1 18	19 25	0 40	1 35	1 30	25 48	5 45	19 13	18 57	18 44	0 33	3 39
F 10	20 47	16 45	1 9	22 54	0 36	22 20	1 4	17 29	1 5	9 37	1 7	16 14	1 18	19 25	0 40	1 35	1 30	25 48	5 45	19 13	18 56	18 45	0 32	3 39
S 11	20 35	19 24	0n 7	23 1	0 27	22 26	1 1	17 14	1 5	9 32	1 7	16 12	1 18	19 26	0 40	1 35	1 30	25 48	5 45	19 13	18 56	18 46	0 31	3 38
S 12	20 22	20 50	1 22	23 7	0 18	22 31	0 58	17 0	1 5	9 27	1 7	16 10	1 18	19 27	0 40	1 36	1 30	25 47	5 45	19 13	18 55	18 46	0 30	3 38
M13	20 9	20 54	2 33	23 12	0 9	22 35	0 55	16 45	1 5	9 23	1 7	16 7	1 18	19 27	0 40	1 36	1 31	25 47	5 45	19 12	18 54	18 47	0 29	3 38
T 14	19 56	19 35	3 34	23 16	0 0	22 39	0 52	16 30	1 4	9 18	1 7	16 5	1 18	19 28	0 40	1 36	1 31	25 47	5 45	19 11	18 53	18 48	0 29	3 38
W15	19 42	17 2	4 21	23 19	0s 8	22 42	0 49	16 15	1 4	9 13	1 7	16 3	1 18	19 29	0 40	1 37	1 31	25 46	5 45	19 8	18 53	18 49	0 28	3 38
T 16	19 28	13 30	4 50	23 21	0 16	22 45	0 47	16 0	1 4	9 8	1 7	16 1	1 18	19 29	0 40	1 37	1 31	25 46	5 45	19 6	18 52	18 50	0 27	3 37
F 17	19 14	9 18	5 2	23 22	0 24	22 47	0 44	15 45	1 4	9 2	1 7	15 59	1 18	19 30	0 40	1 37	1 31	25 46	5 45	19 3	18 51	18 50	0 26	3 37
S 18	18 59	4 44	4 57	23 21	0 32	22 48	0 41	15 29	1 3	8 57	1 7	15 56	1 18	19 31	0 40	1 38	1 31	25 45	5 45	19 0	18 50	18 51	0 25	3 37
S 19	18 44	0 5	4 35	23 20	0 39	22 48	0 38	15 14	1 3	8 52	1 6	15 54	1 18	19 31	0 40	1 38	1 31	25 45	5 46	18 58	18 49	18 52	0 24	3 37
M20	18 29	4n26	4 1	23 17	0 46	22 48	0 35	14 58	1 3	8 47	1 6	15 52	1 18	19 32	0 40	1 38	1 31	25 45	5 46	18 56	18 49	18 53	0 23	3 37
T 21	18 13	8 39	3 15	23 13	0 53	22 47	0 32	14 42	1 3	8 42	1 6	15 49	1 18	19 33	0 40	1 39	1 31	25 44	5 46	18 55	18 48	18 54	0 22	3 36
W22	17 57	12 26	2 22	23 8	1 0	22 46	0 29	14 26	1 2	8 37	1 6	15 47	1 18	19 33	0 40	1 39	1 31	25 44	5 46	18 54	18 47	18 54	0 21	3 36
T 23	17 41	15 39	1 23	23 1	1 6	22 43	0 26	14 10	1 2	8 32	1 6	15 45	1 18	19 34	0 40	1 40	1 31	25 44	5 46	18 54	18 46	18 55	0 20	3 36
F 24	17 24	18 12	0 22	22 53	1 12	22 40	0 23	13 53	1 2	8 26	1 6	15 43	1 18	19 35	0 40	1 40	1 31	25 43	5 46	18 54	18 45	18 56	0 19	3 36
S 25	17 7	19 58	0s41	22 44	1 18	22 37	0 20	13 37	1 1	8 21	1 6	15 40	1 18	19 35	0 40	1 41	1 31	25 43	5 46	18 54	18 45	18 57	0 18	3 36
S 26	16 50	20 51	1 42	22 33	1 24	22 33	0 17	13 20	1 1	8 16	1 6	15 38	1 19	19 36	0 40	1 41	1 31	25 43	5 46	18 53	18 44	18 57	0 17	3 36
M27	16 32	20 49	2 39	22 21	1 29	22 28	0 14	13 4	1 1	8 11	1 6	15 36	1 19	19 36	0 40	1 41	1 31	25 43	5 46	18 52	18 43	18 58	0 16	3 35
T 28	16 14	19 47	3 30	22 8	1 34	22 22	0 11	12 47	1 0	8 5	1 6	15 33	1 19	19 37	0 40	1 42	1 31	25 42	5 46	18 51	18 42	18 59	0 15	3 35
W29	15 56	17 48	4 12	21 53	1 39	22 16	0 8	12 30	1 0	8 0	1 6	15 31	1 19	19 38	0 40	1 42	1 31	25 42	5 47	18 48	18 41	19 0	0 14	3 35
T 30	15 38	14 53	4 42	21 37	1 43	22 9	0 5	12 13	1 0	7 55	1 6	15 29	1 19	19 38	0 40	1 43	1 31	25 42	5 47	18 46	18 41	19 0	0 13	3 35
F 31	15s19	11n12	4s58	21s19	1s47	22s 1	0n 2	11s56	0s59	7s49	1s 6	15s26	1s19	19n39	0n40	1n43	1n31	25s41	5s47	18s42	18s40	19n 1	0s12	3n35

Julian Day Number = 2191134.5, Delta T = 10m44s
Ecliptic obliquity = 23°31'49, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'48, Lahiri = 13°54'48 Julian Calendar 1 Jan. 1287 == Greg. Calendar 8 Jan. 1287

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ASTRODIENST EPHEMERIS for the year 1287
geocentric

FEBRUARY 1287 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 12 29	19♒34'39	29♌56	4♒28	21♉ 8	2♓13	12♓58	22♒13	5°R20	29°R10	0♒50	23°R13	23♏14	25♉38	21♓18	S 1
S 2	9 16 26	20°35'07	13♍34	6° 5	22°22	3° 0	13°12	22°20	5♌17	29♍ 9	0°52	23♏ 1	23°11	25°45	21°21	S 2
M 3	9 20 22	21°35'33	27°23	7°42	23°36	3°47	13°26	22°27	5°15	29° 7	0°54	22°51	23° 7	25°51	21°24	M 3
T 4	9 24 19	22°35'58	11♎19	9°20	24°50	4°35	13°40	22°35	5°12	29° 6	0°56	22°44	23° 4	25°58	21°27	T 4
W 5	9 28 15	23°36'21	25°19	10°59	26° 4	5°22	13°54	22°42	5°10	29° 5	0°57	22°40	23° 1	26° 5	21°31	W 5
T 6	9 32 12	24°36'43	9♏23	12°40	27°18	6° 9	14° 8	22°49	5° 7	29° 4	0°59	22°38	22°58	26°11	21°34	T 6
F 7	9 36 8	25°37'03	23°27	14°21	28°32	6°56	14°22	22°57	5° 5	29° 2	1° 1	22°38	22°55	26°18	21°37	F 7
S 8	9 40 5	26°37'22	7♐33	16° 3	29°46	7°43	14°36	23° 4	5° 2	29° 1	1° 3	22°38	22°51	26°25	21°41	S 8
S 9	9 44 1	27°37'40	21°38	17°46	1♒ 1	8°30	14°50	23°11	5° 0	29° 0	1° 4	22°36	22°48	26°31	21°44	S 9
M10	9 47 58	28°37'56	5♑42	19°31	2°15	9°17	15° 5	23°18	4°58	28°58	1° 6	22°32	22°45	26°38	21°48	M10
T 11	9 51 55	29°38'11	19°42	21°16	3°29	10° 4	15°19	23°26	4°55	28°57	1° 8	22°26	22°42	26°45	21°51	T 11
W12	9 55 51	0♓38'24	3♒37	23° 2	4°43	10°50	15°33	23°33	4°53	28°56	1° 9	22°16	22°39	26°51	21°54	W12
T 13	9 59 48	1°38'35	17°21	24°49	5°57	11°37	15°47	23°40	4°51	28°54	1°11	22° 4	22°36	26°58	21°58	T 13
F 14	10 3 44	2°38'44	0♓53	26°38	7°11	12°24	16° 2	23°48	4°49	28°53	1°13	21°51	22°32	27° 5	22° 1	F 14
S 15	10 7 41	3°38'51	14° 8	28°27	8°25	13°11	16°16	23°55	4°46	28°51	1°14	21°38	22°29	27°11	22° 5	S 15
S 16	10 11 37	4°38'57	27° 5	0♓18	9°39	13°58	16°30	24° 2	4°44	28°50	1°16	21°27	22°26	27°18	22° 8	S 16
M17	10 15 34	5°39'00	9♈44	2° 9	10°53	14°45	16°45	24° 9	4°42	28°48	1°17	21°18	22°23	27°24	22°12	M17
T 18	10 19 30	6°39'01	22° 5	4° 2	12° 7	15°31	16°59	24°16	4°40	28°47	1°19	21°12	22°20	27°31	22°15	T 18
W19	10 23 27	7°39'01	4♉11	5°56	13°22	16°18	17°14	24°24	4°38	28°45	1°21	21° 8	22°16	27°38	22°19	W19
T 20	10 27 23	8°38'58	16° 6	7°50	14°36	17° 5	17°28	24°31	4°36	28°44	1°22	21°D 7	22°13	27°44	22°22	T 20
F 21	10 31 20	9°38'53	27°55	9°46	15°50	17°51	17°43	24°38	4°34	28°42	1°24	21° 7	22°10	27°51	22°26	F 21
S 22	10 35 17	10°38'45	9♊43	11°42	17° 4	18°38	17°57	24°45	4°32	28°41	1°25	21°R 7	22° 7	27°58	22°30	S 22
S 23	10 39 13	11°38'36	21°35	13°40	18°18	19°24	18°12	24°52	4°30	28°39	1°27	21° 7	22° 4	28° 4	22°33	S 23
M24	10 43 10	12°38'24	3♋38	15°38	19°32	20°11	18°26	24°59	4°28	28°38	1°28	21° 5	22° 1	28°11	22°37	M24
T 25	10 47 6	13°38'10	15°55	17°36	20°46	20°57	18°41	25° 6	4°26	28°36	1°30	21° 0	21°57	28°18	22°40	T 25
W26	10 51 3	14°37'54	28°32	19°36	22° 0	21°44	18°55	25°13	4°24	28°34	1°31	20°53	21°54	28°24	22°44	W26
T 27	10 54 59	15°37'35	11♌30	21°35	23°14	22°30	19°10	25°20	4°22	28°33	1°33	20°44	21°51	28°31	22°48	T 27
F 28	10 58 56	16♓37'14	24♌51	23♓35	24♒28	23♓17	19♓24	25♒27	4♌21	28♍31	1♒34	20♏34	21♏48	28♉38	22♓51	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 0	6n53	4s58	21s 0	1s51	21s53	0s 1	11s38	0s59	7s44	1s 6	15s24	1s19	19n40	0n40	1n44	1n31	25s41	5s47	18s39	18s39	19n 2	0s11	3n34
S 2	14 41	2 9	4 42	20 40	1 54	21 44	0 4	11 21	0 58	7 38	1 6	15 22	1 19	19 40	0 40	1 44	1 31	25 41	5 47	18 36	18 38	19 3	0 10	3 34
M 3	14 22	2s45	4 8	20 18	1 57	21 34	0 7	11 3	0 58	7 33	1 6	15 19	1 19	19 41	0 40	1 45	1 32	25 41	5 47	18 33	18 37	19 3	0 9	3 34
T 4	14 2	7 33	3 20	19 54	1 59	21 24	0 9	10 46	0 58	7 27	1 6	15 17	1 19	19 41	0 40	1 45	1 32	25 40	5 47	18 31	18 37	19 4	0 7	3 34
W 5	13 42	11 59	2 19	19 29	2 2	21 13	0 12	10 28	0 57	7 22	1 6	15 15	1 19	19 42	0 40	1 46	1 32	25 40	5 47	18 30	18 36	19 5	0 6	3 34
T 6	13 22	15 46	1 10	19 3	2 4	21 1	0 15	10 10	0 57	7 16	1 6	15 12	1 19	19 43	0 40	1 47	1 32	25 40	5 48	18 30	18 35	19 5	0 5	3 34
F 7	13 2	18 38	0n 4	18 35	2 5	20 49	0 18	9 53	0 57	7 11	1 6	15 10	1 19	19 43	0 40	1 47	1 32	25 39	5 48	18 30	18 34	19 6	0 4	3 34
S 8	12 41	20 22	1 18	18 5	2 6	20 36	0 20	9 35	0 56	7 5	1 5	15 8	1 19	19 44	0 40	1 48	1 32	25 39	5 48	18 30	18 33	19 7	0 3	3 33
S 9	12 21	20 49	2 27	17 34	2 7	20 23	0 23	9 17	0 56	7 0	1 5	15 5	1 19	19 44	0 40	1 48	1 32	25 39	5 48	18 29	18 33	19 8	0 1	3 33
M10	12 0	19 58	3 27	17 2	2 7	20 9	0 26	8 59	0 55	6 54	1 5	15 3	1 19	19 45	0 40	1 49	1 32	25 39	5 48	18 29	18 32	19 8	0 0	3 33
T 11	11 39	17 54	4 14	16 28	2 7	19 54	0 28	8 40	0 55	6 49	1 5	15 1	1 19	19 45	0 40	1 49	1 32	25 38	5 48	18 27	18 31	19 9	0n 1	3 33
W12	11 17	14 48	4 45	15 52	2 6	19 39	0 31	8 22	0 55	6 43	1 5	14 58	1 20	19 46	0 40	1 50	1 32	25 38	5 48	18 24	18 30	19 10	0 2	3 33
T 13	10 56	10 56	5 0	15 15	2 5	19 24	0 33	8 4	0 54	6 38	1 5	14 56	1 20	19 47	0 40	1 51	1 32	25 38	5 49	18 21	18 29	19 10	0 3	3 33
F 14	10 34	6 34	4 57	14 37	2 3	19 7	0 36	7 45	0 54	6 32	1 5	14 54	1 20	19 47	0 40	1 51	1 32	25 38	5 49	18 18	18 29	19 11	0 5	3 33
S 15	10 12	1 59	4 38	13 57	2 1	18 51	0 38	7 27	0 53	6 26	1 5	14 51	1 20	19 48	0 40	1 52	1 32	25 38	5 49	18 15	18 28	19 12	0 6	3 33
S 16	9 51	2n35	4 5	13 15	1 59	18 33	0 41	7 9	0 53	6 21	1 5	14 49	1 20	19 48	0 40	1 52	1 32	25 37	5 49	18 12	18 27	19 12	0 7	3 32
M17	9 28	6 57	3 21	12 33	1 55	18 15	0 43	6 50	0 52	6 15	1 5	14 47	1 20	19 49	0 40	1 53	1 32	25 37	5 49	18 9	18 26	19 13	0 9	3 32
T 18	9 6	10 55	2 28	11 48	1 52	17 57	0 45	6 31	0 52	6 10	1 5	14 44	1 20	19 49	0 40	1 54	1 32	25 37	5 49	18 8	18 25	19 14	0 10	3 32
W19	8 44	14 21	1 29	11 2	1 48	17 38	0 48	6 13	0 51	6 4	1 5	14 42	1 20	19 50	0 40	1 54	1 32	25 37	5 50	18 7	18 24	19 14	0 11	3 32
T 20	8 21	17 9	0 27	10 15	1 43	17 19	0 50	5 54	0 51	5 58	1 5	14 40	1 20	19 50	0 40	1 55	1 32	25 37	5 50	18 6	18 24	19 15	0 12	3 32
F 21	7 59	19 11	0s36	9 27	1 38	16 59	0 52	5 36	0 50	5 53	1 5	14 37	1 20	19 51	0 40	1 55	1 32	25 36	5 50	18 6	18 23	19 16	0 14	3 32
S 22	7 36	20 23	1 37	8 37	1 32	16 38	0 54	5 17	0 50	5 47	1 5	14 35	1 20	19 51	0 40	1 56	1 32	25 36	5 50	18 6	18 22	19 16	0 15	3 32
S 23	7 13	20 41	2 35	7 46	1 25	16 17	0 56	4 58	0 50	5 41	1 5	14 33	1 20	19 52	0 40	1 57	1 32	25 36	5 50	18 6	18 21	19 17	0 16	3 32
M24	6 50	20 3	3 26	6 53	1 18	15 56	0 58	4 39	0 49	5 36	1 5	14 30	1 21	19 52	0 40	1 57	1 32	25 36	5 50	18 6	18 20	19 17	0 18	3 32
T 25	6 28	18 27	4 9	6 0	1 11	15 34	1 0	4 20	0 49	5 30	1 5	14 28	1 21	19 52	0 40	1 58	1 32	25 36	5 51	18 5	18 20	19 18	0 19	3 32
W26	6 4	15 57	4 41	5 6	1 3	15 12	1 2	4 2	0 48	5 24	1 5	14 26	1 21	19 53	0 40	1 59	1 32	25 35	5 51	18 3	18 19	19 19	0 20	3 31
T 27	5 41	12 36	5 0	4 11	0 54	14 50	1 4	3 43	0 48	5 18	1 5	14 23	1 21	19 53	0 40	1 59	1 32	25 35	5 51	18 0	18 18	19 19	0 22	3 31
F 28	5s18	8n32	5s 3	3s15	0s45	14s27	1s 6	3s24	0s47	5s13	1s 5	14s21	1s21	19n54	0n40	2n 0	1n32	25s35	5s51	17s58	18s17	19n20	0n23	3n31

Julian Day Number = 2191165.5, Delta T = 10m44s
Ecliptic obliquity = 23°31'49, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'52, Lahiri = 13°54'52 Julian Calendar 1 Feb. 1287 == Greg. Calendar 8 Feb. 1287

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ASTRODIENST EPHEMERIS for the year 1287
geocentric

MARCH 1287 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 2 52	17♓36'51	8♍33	25♓34	25♒42	24♓ 3	19♓39	25♒34	4°R19	28°R30	1♒35	20°R23	21♏45	28♉44	22♓55	S 1
S 2	11 6 49	18°36'26	22°34	27°33	26°56	24°49	19°53	25°41	4♌17	28♍28	1°37	20♏13	21°42	28°51	22°59	S 2
M 3	11 10 46	19°35'59	6♎49	29°31	28°10	25°36	20° 8	25°48	4°16	28°26	1°38	20° 5	21°38	28°57	23° 2	M 3
T 4	11 14 42	20°35'30	21°12	1♈29	29°25	26°22	20°22	25°55	4°14	28°25	1°40	19°59	21°35	29° 4	23° 6	T 4
W 5	11 18 39	21°34'59	5♏38	3°25	0♓39	27° 8	20°37	26° 2	4°12	28°23	1°41	19°56	21°32	29°11	23° 9	W 5
T 6	11 22 35	22°34'26	20° 2	5°19	1°53	27°54	20°51	26° 9	4°11	28°21	1°42	19°D55	21°29	29°17	23°13	T 6
F 7	11 26 32	23°33'51	4♐20	7°11	3° 7	28°40	21° 6	26°16	4°10	28°20	1°43	19°56	21°26	29°24	23°17	F 7
S 8	11 30 28	24°33'15	18°30	9° 1	4°21	29°26	21°20	26°22	4° 8	28°18	1°45	19°R56	21°22	29°31	23°20	S 8
S 9	11 34 25	25°32'37	2♑31	10°47	5°35	0♈12	21°35	26°29	4° 7	28°16	1°46	19°56	21°19	29°37	23°24	S 9
M10	11 38 21	26°31'57	16°23	12°30	6°49	0°58	21°49	26°36	4° 5	28°15	1°47	19°54	21°16	29°44	23°28	M10
T 11	11 42 18	27°31'16	0♒ 4	14° 9	8° 3	1°44	22° 4	26°42	4° 4	28°13	1°48	19°50	21°13	29°51	23°31	T 11
W12	11 46 15	28°30'32	13°35	15°44	9°17	2°30	22°18	26°49	4° 3	28°11	1°50	19°44	21°10	29°57	23°35	W12
T 13	11 50 11	29°29'47	26°54	17°15	10°31	3°16	22°33	26°56	4° 2	28°10	1°51	19°36	21° 7	0♊ 4	23°39	T 13
F 14	11 54 8	0♈28'59	10♓ 1	18°40	11°45	4° 2	22°47	27° 2	4° 1	28° 8	1°52	19°27	21° 3	0°11	23°42	F 14
S 15	11 58 4	1°28'10	22°54	20° 0	12°59	4°47	23° 2	27° 9	4° 0	28° 7	1°53	19°19	21° 0	0°17	23°46	S 15
S 16	12 2 1	2°27'18	5♈33	21°15	14°13	5°33	23°16	27°15	3°59	28° 5	1°54	19°11	20°57	0°24	23°49	S 16
M17	12 5 57	3°26'25	17°59	22°24	15°27	6°19	23°30	27°21	3°58	28° 3	1°55	19° 5	20°54	0°31	23°53	M17
T 18	12 9 54	4°25'29	0♉11	23°26	16°41	7° 4	23°45	27°28	3°57	28° 2	1°56	19° 1	20°51	0°37	23°57	T 18
W19	12 13 50	5°24'31	12°12	24°23	17°55	7°50	23°59	27°34	3°56	28° 0	1°57	18°59	20°47	0°44	24° 0	W19
T 20	12 17 47	6°23'31	24° 5	25°13	19° 9	8°36	24°14	27°40	3°55	27°58	1°58	18°D59	20°44	0°50	24° 4	T 20
F 21	12 21 43	7°22'29	5♊53	25°57	20°23	9°21	24°28	27°47	3°54	27°57	1°59	19° 0	20°41	0°57	24° 7	F 21
S 22	12 25 40	8°21'25	17°41	26°34	21°37	10° 7	24°42	27°53	3°54	27°55	2° 0	19° 1	20°38	1° 4	24°11	S 22
S 23	12 29 37	9°20'18	29°33	27° 4	22°51	10°52	24°56	27°59	3°53	27°53	2° 1	19° 3	20°35	1°10	24°14	S 23
M24	12 33 33	10°19'09	11♋34	27°28	24° 5	11°37	25°11	28° 5	3°52	27°52	2° 2	19°R 3	20°32	1°17	24°18	M24
T 25	12 37 30	11°17'57	23°51	27°45	25°19	12°23	25°25	28°11	3°52	27°50	2° 3	19° 2	20°28	1°24	24°21	T 25
W26	12 41 26	12°16'44	6♌27	27°56	26°33	13° 8	25°39	28°17	3°51	27°49	2° 4	19° 0	20°25	1°30	24°25	W26
T 27	12 45 23	13°15'28	19°25	28°R 0	27°47	13°53	25°53	28°23	3°51	27°47	2° 4	18°56	20°22	1°37	24°28	T 27
F 28	12 49 19	14°14'09	2♍50	27°58	29° 1	14°38	26° 7	28°29	3°50	27°45	2° 5	18°51	20°19	1°44	24°32	F 28
S 29	12 53 16	15°12'49	16°40	27°50	0♈15	15°23	26°22	28°34	3°50	27°44	2° 6	18°46	20°16	1°50	24°35	S 29
S 30	12 57 12	16°11'26	0♎53	27°36	1°29	16° 8	26°36	28°40	3°50	27°42	2° 7	18°41	20°13	1°57	24°39	S 30
M31	13 1 9	17♈10'01	15♎26	27♈16	2♈42	16♈53	26♓50	28♒46	3♌49	27♍41	2♒ 7	18♏37	20♏ 9	2♊ 4	24♓42	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s55	3n56	4s49	2s18	0s35	14s 3	1s 7	3s 5	0s47	5s 7	1s 5	14s19	1s21	19n54	0n40	2n 1	1n32	25s35	5s51	17s55	18s16	19n20	0n25	3n31
S 2	4 31	0s59	4 17	1 21	0 25	13 39	1 9	2 46	0 46	5 1	1 5	14 17	1 21	19 54	0 40	2 1	1 32	25 35	5 51	17 52	18 15	19 21	0 26	3 31
M 3	4 8	5 55	3 29	0 24	0 14	13 15	1 11	2 27	0 46	4 56	1 5	14 14	1 21	19 55	0 40	2 2	1 32	25 35	5 52	17 50	18 15	19 22	0 27	3 31
T 4	3 45	10 35	2 27	0n33	0 3	12 51	1 12	2 8	0 45	4 50	1 5	14 12	1 21	19 55	0 40	2 3	1 32	25 35	5 52	17 48	18 14	19 22	0 29	3 31
W 5	3 21	14 38	1 16	1 30	0n 9	12 26	1 14	1 50	0 45	4 44	1 5	14 10	1 22	19 55	0 40	2 3	1 32	25 35	5 52	17 47	18 13	19 23	0 30	3 31
T 6	2 57	17 48	0n 1	2 26	0 20	12 1	1 15	1 31	0 44	4 38	1 5	14 8	1 22	19 56	0 40	2 4	1 32	25 34	5 52	17 47	18 12	19 23	0 31	3 31
F 7	2 34	19 50	1 17	3 22	0 32	11 35	1 16	1 12	0 44	4 33	1 5	14 6	1 22	19 56	0 40	2 5	1 32	25 34	5 52	17 47	18 11	19 24	0 33	3 31
S 8	2 10	20 35	2 27	4 16	0 45	11 9	1 18	0 53	0 43	4 27	1 5	14 3	1 22	19 56	0 40	2 5	1 32	25 34	5 53	17 48	18 10	19 25	0 34	3 31
S 9	1 47	20 2	3 28	5 9	0 57	10 43	1 19	0 34	0 42	4 21	1 6	14 1	1 22	19 57	0 40	2 6	1 32	25 34	5 53	17 47	18 10	19 25	0 36	3 31
M10	1 23	18 17	4 16	6 1	1 9	10 17	1 20	0 15	0 42	4 16	1 6	13 59	1 22	19 57	0 40	2 7	1 32	25 34	5 53	17 47	18 9	19 26	0 37	3 31
T 11	0 59	15 30	4 49	6 51	1 21	9 50	1 21	0n 4	0 41	4 10	1 6	13 57	1 22	19 57	0 40	2 7	1 32	25 34	5 53	17 46	18 8	19 26	0 38	3 31
W12	0 36	11 56	5 5	7 39	1 33	9 23	1 22	0 22	0 41	4 4	1 6	13 55	1 22	19 58	0 40	2 8	1 32	25 34	5 53	17 44	18 7	19 27	0 40	3 31
T 13	0 12	7 49	5 4	8 25	1 45	8 56	1 23	0 41	0 40	3 58	1 6	13 53	1 23	19 58	0 40	2 9	1 32	25 34	5 54	17 42	18 6	19 27	0 41	3 31
F 14	0n12	3 24	4 48	9 8	1 56	8 29	1 24	1 0	0 40	3 53	1 6	13 50	1 23	19 58	0 40	2 9	1 32	25 34	5 54	17 40	18 5	19 28	0 43	3 30
S 15	0 35	1n 6	4 16	9 49	2 7	8 1	1 25	1 19	0 39	3 47	1 6	13 48	1 23	19 58	0 40	2 10	1 32	25 34	5 54	17 37	18 5	19 28	0 44	3 30
S 16	0 59	5 28	3 33	10 26	2 17	7 33	1 26	1 37	0 39	3 41	1 6	13 46	1 23	19 59	0 40	2 11	1 32	25 34	5 54	17 35	18 4	19 29	0 45	3 30
M17	1 22	9 32	2 40	11 1	2 27	7 5	1 26	1 56	0 38	3 36	1 6	13 44	1 23	19 59	0 40	2 11	1 32	25 34	5 55	17 33	18 3	19 30	0 47	3 30
T 18	1 46	13 8	1 40	11 33	2 36	6 37	1 27	2 15	0 38	3 30	1 6	13 42	1 23	19 59	0 40	2 12	1 32	25 34	5 55	17 32	18 2	19 30	0 48	3 30
W19	2 9	16 8	0 37	12 1	2 44	6 8	1 28	2 33	0 37	3 24	1 6	13 40	1 23	19 59	0 40	2 13	1 32	25 34	5 55	17 32	18 1	19 31	0 50	3 30
T 20	2 33	18 25	0s28	12 27	2 51	5 40	1 28	2 52	0 36	3 19	1 6	13 38	1 23	19 59	0 40	2 13	1 32	25 34	5 55	17 32	18 0	19 31	0 51	3 30
F 21	2 56	19 53	1 31	12 48	2 57	5 11	1 29	3 10	0 36	3 13	1 6	13 36	1 24	19 59	0 39	2 14	1 32	25 34	5 55	17 32	18 0	19 32	0 52	3 30
S 22	3 20	20 28	2 30	13 7	3 2	4 42	1 29	3 29	0 35	3 7	1 6	13 34	1 24	20 0	0 39	2 15	1 32	25 34	5 56	17 33	17 59	19 32	0 54	3 30
S 23	3 43	20 9	3 23	13 22	3 6	4 13	1 29	3 47	0 35	3 2	1 6	13 32	1 24	20 0	0 39	2 15	1 32	25 34	5 56	17 33	17 58	19 33	0 55	3 30
M24	4 6	18 54	4 8	13 33	3 9	3 44	1 29	4 5	0 34	2 56	1 6	13 30	1 24	20 0	0 39	2 16	1 32	25 34	5 56	17 33	17 57	19 33	0 57	3 30
T 25	4 29	16 47	4 42	13 40	3 10	3 14	1 30	4 24	0 34	2 51	1 6	13 28	1 24	20 0	0 39	2 17	1 32	25 34	5 56	17 33	17 56	19 34	0 58	3 30
W26	4 52	13 49	5 5	13 44	3 10	2 45	1 30	4 42	0 33	2 45	1 6	13 26	1 24	20 0	0 39	2 17	1 32	25 34	5 57	17 32	17 55	19 34	0 59	3 30
T 27	5 15	10 7	5 12	13 45	3 9	2 15	1 30	5 0	0 32	2 39	1 6	13 24	1 25	20 0	0 39	2 18	1 32	25 34	5 57	17 31	17 54	19 35	1 1	3 30
F 28	5 38	5 48	5 3	13 41	3 6	1 46	1 30	5 18	0 32	2 34	1 7	13 22	1 25	20 0	0 39	2 18	1 32	25 34	5 57	17 30	17 54	19 35	1 2	3 30
S 29	6 1	1 3	4 36	13 34	3 2	1 16	1 30	5 36	0 31	2 28	1 7	13 20	1 25	20 0	0 39	2 19	1 32	25 34	5 57	17 28	17 53	19 36	1 4	3 30
S 30	6 23	3s54	3 52	13 24	2 57	0 47	1 29	5 54	0 31	2 23	1 7	13 19	1 25	20 0	0 39	2 20	1 32	25 34	5 57	17 27	17 52	19 36	1 5	3 30
M31	6n46	8s44	2s52	13n11	2n50	0s17	1s29	6n12	0s30	2s17	1s 7	13s17	1s25	20n 0	0n39	2n20	1n32	25s34	5s58	17s26	17s51	19n37	1n 6	3n30

Julian Day Number = 2191193.5, Delta T = 10m44s
Ecliptic obliquity = 23°31'49, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°47'56, Lahiri = 13°54'56 Julian Calendar 1 March 1287 == Greg. Calendar 8 March 1287

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ASTRODIENST EPHEMERIS for the year 1287
geocentric

APRIL 1287 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 5 6	18♈ 8'35	0♏11	26°R52	3♈56	17♈38	27♓ 4	28♒51	3°R49	27°R39	2♒ 8	18°R34	20♏ 6	2♊10	24♓46	T 1
W 2	13 9 2	19° 7'06	15° 2	26♈24	5°10	18°23	27°18	28°57	3♌49	27♍38	2° 9	18°D33	20° 3	2°17	24°49	W 2
T 3	13 12 59	20° 5'36	29°51	25°51	6°24	19° 8	27°32	29° 2	3°49	27°36	2° 9	18♏34	20° 0	2°24	24°52	T 3
F 4	13 16 55	21° 4'04	14♐31	25°16	7°38	19°53	27°46	29° 8	3°D49	27°35	2°10	18°35	19°57	2°30	24°56	F 4
S 5	13 20 52	22° 2'30	28°57	24°38	8°52	20°38	27°59	29°13	3°49	27°33	2°11	18°36	19°53	2°37	24°59	S 5
S 6	13 24 48	23° 0'55	13♑ 7	23°58	10° 6	21°22	28°13	29°19	3°49	27°32	2°11	18°37	19°50	2°43	25° 2	S 6
M 7	13 28 45	23°59'18	27° 0	23°18	11°20	22° 7	28°27	29°24	3°49	27°30	2°12	18°R38	19°47	2°50	25° 6	M 7
T 8	13 32 41	24°57'40	10♒34	22°37	12°33	22°52	28°41	29°29	3°49	27°29	2°12	18°37	19°44	2°57	25° 9	T 8
W 9	13 36 38	25°56'00	23°51	21°57	13°47	23°36	28°55	29°34	3°50	27°27	2°13	18°35	19°41	3° 3	25°12	W 9
T 10	13 40 35	26°54'18	6♓52	21°18	15° 1	24°21	29° 8	29°39	3°50	27°26	2°13	18°32	19°38	3°10	25°16	T 10
F 11	13 44 31	27°52'35	19°38	20°41	16°15	25° 5	29°22	29°44	3°50	27°25	2°14	18°29	19°34	3°17	25°19	F 11
S 12	13 48 28	28°50'50	2♈11	20° 6	17°29	25°49	29°35	29°49	3°51	27°23	2°14	18°26	19°31	3°23	25°22	S 12
S 13	13 52 24	29°49'03	14°32	19°34	18°43	26°34	29°49	29°54	3°51	27°22	2°14	18°23	19°28	3°30	25°25	S 13
M14	13 56 21	0♉47'15	26°42	19° 6	19°57	27°18	0♈ 2	29°59	3°52	27°21	2°15	18°21	19°25	3°37	25°28	M14
T 15	14 0 17	1°45'25	8♉43	18°41	21°10	28° 2	0°16	0♓ 3	3°52	27°19	2°15	18°20	19°22	3°43	25°31	T 15
W16	14 4 14	2°43'33	20°38	18°21	22°24	28°47	0°29	0° 8	3°53	27°18	2°15	18°D20	19°19	3°50	25°34	W16
T 17	14 8 10	3°41'40	2♊27	18° 5	23°38	29°31	0°42	0°13	3°54	27°17	2°16	18°20	19°15	3°57	25°37	T 17
F 18	14 12 7	4°39'44	14°14	17°54	24°52	0♉15	0°56	0°17	3°54	27°15	2°16	18°21	19°12	4° 3	25°40	F 18
S 19	14 16 4	5°37'47	26° 3	17°47	26° 6	0°59	1° 9	0°21	3°55	27°14	2°16	18°23	19° 9	4°10	25°43	S 19
S 20	14 20 0	6°35'48	7♋56	17°D45	27°19	1°43	1°22	0°26	3°56	27°13	2°16	18°24	19° 6	4°17	25°46	S 20
M21	14 23 57	7°33'47	19°58	17°48	28°33	2°27	1°35	0°30	3°57	27°12	2°16	18°25	19° 3	4°23	25°49	M21
T 22	14 27 53	8°31'45	2♌13	17°55	29°47	3°11	1°48	0°34	3°58	27°11	2°16	18°25	18°59	4°30	25°52	T 22
W23	14 31 50	9°29'40	14°46	18° 7	1♉ 1	3°54	2° 1	0°38	3°59	27°10	2°17	18°R25	18°56	4°37	25°55	W23
T 24	14 35 46	10°27'33	27°41	18°24	2°15	4°38	2°14	0°42	4° 0	27° 8	2°17	18°25	18°53	4°43	25°58	T 24
F 25	14 39 43	11°25'25	11♍ 0	18°45	3°28	5°22	2°27	0°46	4° 1	27° 7	2°17	18°24	18°50	4°50	26° 1	F 25
S 26	14 43 39	12°23'15	24°47	19°10	4°42	6° 6	2°40	0°50	4° 2	27° 6	2°R17	18°23	18°47	4°56	26° 3	S 26
S 27	14 47 36	13°21'03	9♎ 0	19°40	5°56	6°49	2°52	0°54	4° 3	27° 5	2°17	18°23	18°44	5° 3	26° 6	S 27
M28	14 51 32	14°18'49	23°37	20°13	7° 9	7°33	3° 5	0°57	4° 4	27° 4	2°17	18°22	18°40	5°10	26° 9	M28
T 29	14 55 29	15°16'34	8♏32	20°51	8°23	8°16	3°17	1° 1	4° 6	27° 3	2°17	18°22	18°37	5°16	26°11	T 29
W30	14 59 26	16♉14'18	23♏38	21♈32	9♉37	9♉ 0	3♈30	1♓ 5	4♌ 7	27♍ 2	2♒16	18°D22	18♏34	5♊23	26♓14	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n 8	13s 8	1s39	12n54	2n41	0n13	1s29	6n30	0s29	2s12	1s 7	13s15	1s25	20n 0	0n39	2n21	1n32	25s34	5s58	17s25	17s50	19n37	1n 8	3n30
W 2	7 31	16 43	0 19	12 34	2 31	0 42	1 29	6 47	0 29	2 6	1 7	13 13	1 25	20 0	0 39	2 22	1 32	25 34	5 58	17 25	17 49	19 38	1 9	3 30
T 3	7 53	19 11	1n 2	12 12	2 20	1 12	1 28	7 5	0 28	2 1	1 7	13 11	1 26	20 0	0 39	2 22	1 32	25 34	5 58	17 25	17 48	19 38	1 10	3 30
F 4	8 15	20 21	2 18	11 47	2 8	1 42	1 28	7 23	0 28	1 55	1 7	13 10	1 26	20 0	0 39	2 23	1 32	25 34	5 59	17 25	17 48	19 38	1 12	3 30
S 5	8 37	20 7	3 24	11 21	1 54	2 12	1 27	7 40	0 27	1 50	1 7	13 8	1 26	20 0	0 39	2 23	1 32	25 34	5 59	17 26	17 47	19 39	1 13	3 30
S 6	8 59	18 37	4 17	10 52	1 39	2 41	1 26	7 57	0 26	1 44	1 7	13 6	1 26	20 0	0 39	2 24	1 32	25 34	5 59	17 26	17 46	19 39	1 14	3 30
M 7	9 20	16 3	4 53	10 23	1 24	3 11	1 26	8 15	0 26	1 39	1 7	13 4	1 26	20 0	0 39	2 24	1 32	25 34	5 59	17 26	17 45	19 40	1 16	3 30
T 8	9 42	12 39	5 12	9 53	1 8	3 40	1 25	8 32	0 25	1 33	1 7	13 3	1 27	20 0	0 39	2 25	1 32	25 35	6 0	17 26	17 44	19 40	1 17	3 30
W 9	10 3	8 41	5 14	9 22	0 51	4 10	1 24	8 49	0 25	1 28	1 8	13 1	1 27	20 0	0 39	2 26	1 32	25 35	6 0	17 25	17 43	19 41	1 18	3 30
T 10	10 24	4 24	4 59	8 52	0 34	4 39	1 23	9 6	0 24	1 23	1 8	12 59	1 27	20 0	0 39	2 26	1 32	25 35	6 0	17 24	17 42	19 41	1 20	3 31
F 11	10 46	0n 1	4 30	8 22	0 17	5 9	1 22	9 23	0 23	1 17	1 8	12 58	1 27	20 0	0 39	2 27	1 32	25 35	6 0	17 24	17 42	19 42	1 21	3 31
S 12	11 6	4 21	3 48	7 53	0 0	5 38	1 22	9 40	0 23	1 12	1 8	12 56	1 27	20 0	0 39	2 27	1 32	25 35	6 1	17 23	17 41	19 42	1 22	3 31
S 13	11 27	8 27	2 56	7 26	0s16	6 7	1 20	9 56	0 22	1 7	1 8	12 55	1 27	19 59	0 39	2 28	1 32	25 35	6 1	17 22	17 40	19 42	1 24	3 31
M14	11 47	12 9	1 57	7 0	0 33	6 36	1 19	10 13	0 22	1 1	1 8	12 53	1 28	19 59	0 39	2 28	1 32	25 35	6 1	17 21	17 39	19 43	1 25	3 31
T 15	12 8	15 18	0 53	6 36	0 49	7 5	1 18	10 29	0 21	0 56	1 8	12 52	1 28	19 59	0 39	2 29	1 32	25 36	6 1	17 21	17 38	19 43	1 26	3 31
W16	12 28	17 46	0s13	6 13	1 5	7 34	1 17	10 46	0 20	0 51	1 8	12 50	1 28	19 59	0 39	2 29	1 32	25 36	6 2	17 21	17 37	19 44	1 27	3 31
T 17	12 48	19 28	1 18	5 54	1 20	8 2	1 16	11 2	0 20	0 46	1 8	12 49	1 28	19 59	0 39	2 30	1 32	25 36	6 2	17 21	17 36	19 44	1 29	3 31
F 18	13 7	20 18	2 19	5 36	1 34	8 31	1 14	11 18	0 19	0 41	1 8	12 47	1 28	19 59	0 39	2 30	1 32	25 36	6 2	17 21	17 35	19 44	1 30	3 31
S 19	13 27	20 14	3 14	5 21	1 47	8 59	1 13	11 34	0 18	0 35	1 9	12 46	1 29	19 58	0 39	2 31	1 32	25 36	6 2	17 22	17 35	19 45	1 31	3 31
S 20	13 46	19 16	4 2	5 9	2 0	9 27	1 12	11 50	0 18	0 30	1 9	12 45	1 29	19 58	0 39	2 31	1 32	25 36	6 2	17 22	17 34	19 45	1 32	3 31
M21	14 5	17 26	4 39	4 59	2 11	9 54	1 10	12 6	0 17	0 25	1 9	12 43	1 29	19 58	0 39	2 31	1 32	25 37	6 3	17 22	17 33	19 46	1 34	3 31
T 22	14 24	14 47	5 5	4 52	2 22	10 22	1 9	12 22	0 17	0 20	1 9	12 42	1 29	19 58	0 39	2 32	1 32	25 37	6 3	17 23	17 32	19 46	1 35	3 31
W23	14 43	11 25	5 17	4 48	2 32	10 49	1 7	12 37	0 16	0 15	1 9	12 41	1 29	19 57	0 39	2 32	1 32	25 37	6 3	17 23	17 31	19 46	1 36	3 31
T 24	15 1	7 25	5 13	4 46	2 41	11 16	1 6	12 52	0 15	0 10	1 9	12 40	1 30	19 57	0 38	2 33	1 32	25 37	6 3	17 22	17 30	19 47	1 37	3 31
F 25	15 19	2 56	4 53	4 46	2 49	11 43	1 4	13 8	0 15	0 5	1 9	12 38	1 30	19 57	0 38	2 33	1 32	25 37	6 4	17 22	17 29	19 47	1 38	3 31
S 26	15 37	1s50	4 16	4 49	2 56	12 10	1 2	13 23	0 14	0 0	1 9	12 37	1 30	19 57	0 38	2 34	1 32	25 38	6 4	17 22	17 29	19 47	1 40	3 31
S 27	15 54	6 40	3 22	4 55	3 2	12 36	1 0	13 38	0 13	0n 5	1 10	12 36	1 30	19 56	0 38	2 34	1 32	25 38	6 4	17 22	17 28	19 48	1 41	3 32
M28	16 12	11 16	2 13	5 2	3 7	13 2	0 59	13 53	0 13	0 10	1 10	12 35	1 30	19 56	0 38	2 34	1 32	25 38	6 4	17 22	17 27	19 48	1 42	3 32
T 29	16 29	15 16	0 54	5 12	3 12	13 27	0 57	14 7	0 12	0 15	1 10	12 34	1 31	19 56	0 38	2 35	1 32	25 38	6 5	17 22	17 26	19 48	1 43	3 32
W30	16n45	18s17	0n29	5n25	3s15	13n53	0s55	14n22	0s12	0n20	1s10	12s33	1s31	19n55	0n38	2n35	1n32	25s39	6s 5	17s22	17s25	19n49	1n44	3n32

Julian Day Number = 2191224.5, Delta T = 10m44s
Ecliptic obliquity = 23°31'49, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'00, Lahiri = 13°55'00 Julian Calendar 1 Apr. 1287 == Greg. Calendar 8 Apr. 1287

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ASTRODIENST EPHEMERIS for the year 1287
geocentric

MAY 1287 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 3 22	17♉12'00	8♐46	22♈17	10♉51	9♉43	3♈42	1♓ 8	4♌ 8	27°R 1	2°R16	18♏22	18♏31	5♊30	26♓17	T 1
F 2	15 7 19	18° 9'41	23°46	23° 6	12° 4	10°26	3°55	1°11	4°10	27♍ 0	2♒16	18°R22	18°28	5°36	26°19	F 2
S 3	15 11 15	19° 7'20	8♑32	23°58	13°18	11°10	4° 7	1°15	4°11	27° 0	2°16	18°22	18°25	5°43	26°22	S 3
S 4	15 15 12	20° 4'59	22°58	24°54	14°32	11°53	4°19	1°18	4°13	26°59	2°16	18°22	18°21	5°50	26°24	S 4
M 5	15 19 8	21° 2'37	6♒59	25°52	15°45	12°36	4°31	1°21	4°15	26°58	2°16	18°22	18°18	5°56	26°26	M 5
T 6	15 23 5	22° 0'13	20°36	26°54	16°59	13°19	4°43	1°24	4°16	26°57	2°15	18°D22	18°15	6° 3	26°29	T 6
W 7	15 27 2	22°57'49	3♓50	27°59	18°13	14° 2	4°55	1°27	4°18	26°56	2°15	18°22	18°12	6°10	26°31	W 7
T 8	15 30 58	23°55'23	16°42	29° 7	19°27	14°45	5° 7	1°30	4°20	26°56	2°15	18°22	18° 9	6°16	26°33	T 8
F 9	15 34 55	24°52'57	29°17	0♉18	20°40	15°28	5°19	1°32	4°21	26°55	2°14	18°23	18° 5	6°23	26°36	F 9
S 10	15 38 51	25°50'30	11♈36	1°32	21°54	16°11	5°31	1°35	4°23	26°54	2°14	18°24	18° 2	6°30	26°38	S 10
S 11	15 42 48	26°48'01	23°43	2°48	23° 8	16°54	5°42	1°37	4°25	26°54	2°14	18°24	17°59	6°36	26°40	S 11
M12	15 46 44	27°45'32	5♉42	4° 8	24°21	17°37	5°54	1°40	4°27	26°53	2°13	18°25	17°56	6°43	26°42	M12
T 13	15 50 41	28°43'02	17°34	5°30	25°35	18°20	6° 5	1°42	4°29	26°52	2°13	18°R25	17°53	6°50	26°44	T 13
W14	15 54 37	29°40'31	29°23	6°54	26°49	19° 3	6°16	1°44	4°31	26°52	2°12	18°25	17°50	6°56	26°46	W14
T 15	15 58 34	0♊37'59	11♊11	8°22	28° 3	19°45	6°28	1°47	4°33	26°51	2°12	18°24	17°46	7° 3	26°48	T 15
F 16	16 2 31	1°35'26	22°59	9°52	29°16	20°28	6°39	1°49	4°35	26°51	2°11	18°23	17°43	7°10	26°50	F 16
S 17	16 6 27	2°32'52	4♋51	11°24	0♊30	21°10	6°50	1°51	4°37	26°50	2°11	18°21	17°40	7°16	26°52	S 17
S 18	16 10 24	3°30'16	16°48	13° 0	1°44	21°53	7° 1	1°53	4°39	26°50	2°10	18°19	17°37	7°23	26°54	S 18
M19	16 14 20	4°27'40	28°54	14°37	2°57	22°35	7°12	1°54	4°42	26°49	2°10	18°16	17°34	7°29	26°56	M19
T 20	16 18 17	5°25'02	11♌11	16°18	4°11	23°18	7°23	1°56	4°44	26°49	2° 9	18°14	17°30	7°36	26°58	T 20
W21	16 22 13	6°22'24	23°44	18° 1	5°25	24° 0	7°33	1°58	4°46	26°49	2° 9	18°13	17°27	7°43	27° 0	W21
T 22	16 26 10	7°19'44	6♍36	19°46	6°38	24°42	7°44	1°59	4°49	26°48	2° 8	18°D13	17°24	7°49	27° 1	T 22
F 23	16 30 6	8°17'03	19°49	21°34	7°52	25°25	7°54	2° 0	4°51	26°48	2° 7	18°13	17°21	7°56	27° 3	F 23
S 24	16 34 3	9°14'21	3♎27	23°25	9° 6	26° 7	8° 5	2° 2	4°53	26°48	2° 7	18°14	17°18	8° 3	27° 4	S 24
S 25	16 38 0	10°11'38	17°30	25°17	10°19	26°49	8°15	2° 3	4°56	26°47	2° 6	18°15	17°15	8° 9	27° 6	S 25
M26	16 41 56	11° 8'54	1♏59	27°13	11°33	27°31	8°25	2° 4	4°58	26°47	2° 5	18°17	17°11	8°16	27° 8	M26
T 27	16 45 53	12° 6'10	16°49	29°10	12°47	28°13	8°35	2° 5	5° 1	26°47	2° 4	18°R17	17° 8	8°23	27° 9	T 27
W28	16 49 49	13° 3'24	1♐55	1♊10	14° 1	28°55	8°45	2° 6	5° 3	26°47	2° 4	18°17	17° 5	8°29	27°10	W28
T 29	16 53 46	14° 0'38	17° 8	3°12	15°14	29°37	8°55	2° 7	5° 6	26°47	2° 3	18°15	17° 2	8°36	27°12	T 29
F 30	16 57 42	14°57'52	2♑19	5°16	16°28	0♊19	9° 4	2° 7	5° 9	26°47	2° 2	18°12	16°59	8°43	27°13	F 30
S 31	17 1 39	15♊55'05	17♑18	7♊21	17♊42	1♊ 0	9♈14	2♓ 8	5♌11	26♍47	2♒ 1	18♏ 9	16♏56	8♊49	27♓14	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	17n 2	20s 1	1n51	5n39	3s18	14n18	0s53	14n36	0s11	0n24	1s10	12s32	1s31	19n55	0n38	2n35	1n32	25s39	6s 5	17s22	17s24	19n49	1n45	3n32	T 1
F 2	17 18	20 19	3 5	5 55	3 20	14 42	0 51	14 51	0 10	0 29	1 10	12 31	1 31	19 54	0 38	2 36	1 32	25 39	6 5	17 22	17 23	19 49	1 46	3 32	F 2
S 3	17 34	19 11	4 4	6 13	3 21	15 7	0 49	15 5	0 10	0 34	1 10	12 30	1 31	19 54	0 38	2 36	1 32	25 39	6 6	17 22	17 22	19 50	1 47	3 32	S 3
S 4	17 50	16 51	4 47	6 33	3 21	15 30	0 47	15 19	0 9	0 39	1 11	12 29	1 32	19 54	0 38	2 36	1 32	25 40	6 6	17 22	17 21	19 50	1 48	3 32	S 4
M 5	18 5	13 34	5 12	6 55	3 21	15 54	0 45	15 33	0 8	0 43	1 11	12 28	1 32	19 53	0 38	2 37	1 32	25 40	6 6	17 22	17 21	19 50	1 49	3 32	M 5
T 6	18 20	9 39	5 18	7 18	3 20	16 17	0 43	15 46	0 8	0 48	1 11	12 27	1 32	19 53	0 38	2 37	1 32	25 40	6 6	17 22	17 20	19 51	1 51	3 32	T 6
W 7	18 35	5 23	5 6	7 43	3 18	16 40	0 41	16 0	0 7	0 53	1 11	12 26	1 32	19 52	0 38	2 37	1 31	25 41	6 7	17 22	17 19	19 51	1 52	3 32	W 7
T 8	18 49	0 58	4 40	8 9	3 16	17 2	0 39	16 13	0 6	0 57	1 11	12 25	1 32	19 52	0 38	2 37	1 31	25 41	6 7	17 22	17 18	19 51	1 53	3 33	T 8
F 9	19 4	3n23	4 1	8 37	3 12	17 24	0 37	16 27	0 6	1 2	1 11	12 25	1 33	19 52	0 38	2 38	1 31	25 41	6 7	17 22	17 17	19 52	1 54	3 33	F 9
S 10	19 17	7 32	3 11	9 6	3 9	17 45	0 34	16 40	0 5	1 6	1 12	12 24	1 33	19 51	0 38	2 38	1 31	25 42	6 7	17 22	17 16	19 52	1 55	3 33	S 10
S 11	19 31	11 18	2 13	9 36	3 4	18 6	0 32	16 53	0 5	1 11	1 12	12 23	1 33	19 51	0 38	2 38	1 31	25 42	6 8	17 22	17 15	19 52	1 55	3 33	S 11
M12	19 44	14 34	1 10	10 8	2 59	18 27	0 30	17 5	0 4	1 15	1 12	12 23	1 33	19 50	0 38	2 38	1 31	25 42	6 8	17 22	17 14	19 53	1 56	3 33	M12
T 13	19 57	17 13	0 5	10 41	2 54	18 47	0 28	17 18	0 3	1 19	1 12	12 22	1 34	19 50	0 38	2 39	1 31	25 42	6 8	17 23	17 13	19 53	1 57	3 33	T 13
W14	20 9	19 7	1s 1	11 14	2 47	19 6	0 25	17 30	0 3	1 24	1 12	12 21	1 34	19 49	0 38	2 39	1 31	25 43	6 8	17 22	17 13	19 53	1 58	3 33	W14
T 15	20 22	20 10	2 3	11 49	2 41	19 25	0 23	17 43	0 2	1 28	1 12	12 21	1 34	19 49	0 38	2 39	1 31	25 43	6 8	17 22	17 12	19 53	1 59	3 33	T 15
F 16	20 33	20 21	3 0	12 24	2 33	19 44	0 21	17 55	0 1	1 32	1 13	12 20	1 34	19 48	0 38	2 39	1 31	25 43	6 9	17 22	17 11	19 54	2 0	3 33	F 16
S 17	20 45	19 37	3 50	13 0	2 26	20 2	0 19	18 7	0 1	1 37	1 13	12 20	1 35	19 48	0 38	2 39	1 31	25 44	6 9	17 21	17 10	19 54	2 1	3 34	S 17
S 18	20 56	18 0	4 30	13 37	2 17	20 19	0 16	18 18	0 0	1 41	1 13	12 19	1 35	19 47	0 38	2 39	1 31	25 44	6 9	17 21	17 9	19 54	2 2	3 34	S 18
M19	21 7	15 35	4 58	14 14	2 9	20 36	0 14	18 30	0n 1	1 45	1 13	12 19	1 35	19 46	0 38	2 40	1 31	25 45	6 9	17 20	17 8	19 54	2 3	3 34	M19
T 20	21 17	12 27	5 14	14 52	2 0	20 52	0 12	18 41	0 1	1 49	1 13	12 18	1 35	19 46	0 38	2 40	1 31	25 45	6 10	17 20	17 7	19 55	2 3	3 34	T 20
W21	21 27	8 42	5 15	15 30	1 50	21 8	0 9	18 52	0 2	1 53	1 13	12 18	1 35	19 45	0 38	2 40	1 31	25 45	6 10	17 19	17 6	19 55	2 4	3 34	W21
T 22	21 37	4 29	5 0	16 8	1 40	21 23	0 7	19 3	0 2	1 57	1 14	12 18	1 36	19 45	0 38	2 40	1 31	25 46	6 10	17 19	17 5	19 55	2 5	3 34	T 22
F 23	21 46	0s 5	4 29	16 47	1 30	21 38	0 4	19 14	0 3	2 1	1 14	12 17	1 36	19 44	0 38	2 40	1 31	25 46	6 10	17 19	17 5	19 55	2 6	3 34	F 23
S 24	21 55	4 47	3 43	17 25	1 20	21 52	0 2	19 25	0 4	2 5	1 14	12 17	1 36	19 43	0 38	2 40	1 31	25 46	6 10	17 19	17 4	19 56	2 7	3 34	S 24
S 25	22 4	9 23	2 42	18 3	1 9	22 5	0n 0	19 35	0 4	2 9	1 14	12 17	1 36	19 43	0 38	2 40	1 31	25 47	6 11	17 20	17 3	19 56	2 7	3 35	S 25
M26	22 12	13 36	1 29	18 40	0 58	22 18	0 3	19 46	0 5	2 13	1 14	12 17	1 37	19 42	0 38	2 40	1 31	25 47	6 11	17 20	17 2	19 56	2 8	3 35	M26
T 27	22 20	17 3	0 8	19 17	0 47	22 30	0 5	19 56	0 6	2 16	1 15	12 17	1 37	19 42	0 38	2 40	1 31	25 47	6 11	17 20	17 1	19 56	2 9	3 35	T 27
W28	22 27	19 24	1n14	19 53	0 36	22 41	0 7	20 6	0 6	2 20	1 15	12 17	1 37	19 41	0 38	2 40	1 31	25 48	6 11	17 20	17 0	19 57	2 9	3 35	W28
T 29	22 34	20 23	2 32	20 28	0 25	22 52	0 10	20 15	0 7	2 24	1 15	12 16	1 37	19 40	0 38	2 40	1 31	25 48	6 11	17 20	16 59	19 57	2 10	3 35	T 29
F 30	22 41	19 52	3 39	21 2	0 13	23 2	0 12	20 25	0 8	2 27	1 15	12 16	1 37	19 40	0 38	2 40	1 31	25 49	6 12	17 19	16 58	19 57	2 11	3 35	F 30
S 31	22n47	17s57	4n30	21n35	0s 2	23n12	0n15	20n34	0n 8	2n31	1s15	12s16	1s38	19n39	0n38	2n40	1n31	25s49	6s12	17s18	16s57	19n57	2n11	3n35	S 31

Julian Day Number = 2191254.5, Delta T = 10m44s
Ecliptic obliquity = 23°31'48, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'04, Lahiri = 13°55'05 Julian Calendar 1 May 1287 == Greg. Calendar 8 May 1287

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ASTRODIENST EPHEMERIS for the year 1287
geocentric

JUNE 1287 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 5 35	16♊52'17	1♒57	9♊29	18♊55	1♊42	9♈23	2♓ 9	5♌14	26°D47	2°R 0	18°R 5	16♏52	8♊56	27♓16	S 1
M 2	17 9 32	17°49'30	16°10	11°37	20° 9	2°24	9°33	2° 9	5°17	26♍47	1♒59	18♏ 1	16°49	9° 3	27°17	M 2
T 3	17 13 29	18°46'42	29°54	13°47	21°23	3° 6	9°42	2° 9	5°20	26°47	1°58	17°59	16°46	9° 9	27°18	T 3
W 4	17 17 25	19°43'54	13♓12	15°57	22°36	3°47	9°51	2°10	5°23	26°47	1°58	17°57	16°43	9°16	27°19	W 4
T 5	17 21 22	20°41'05	26° 3	18° 8	23°50	4°29	10° 0	2°10	5°25	26°47	1°57	17°D57	16°40	9°23	27°20	T 5
F 6	17 25 18	21°38'17	8♈33	20°20	25° 4	5°10	10° 9	2°R10	5°28	26°47	1°56	17°58	16°36	9°29	27°21	F 6
S 7	17 29 15	22°35'29	20°47	22°31	26°17	5°52	10°17	2°10	5°31	26°47	1°55	18° 0	16°33	9°36	27°22	S 7
S 8	17 33 11	23°32'41	2♉47	24°42	27°31	6°33	10°26	2° 9	5°34	26°48	1°54	18° 2	16°30	9°43	27°23	S 8
M 9	17 37 8	24°29'52	14°39	26°52	28°45	7°14	10°34	2° 9	5°37	26°48	1°53	18°R 2	16°27	9°49	27°23	M 9
T 10	17 41 4	25°27'04	26°27	29° 2	29°59	7°56	10°42	2° 9	5°40	26°48	1°52	18° 2	16°24	9°56	27°24	T 10
W11	17 45 1	26°24'16	8♊14	1♋11	1♋12	8°37	10°51	2° 8	5°43	26°49	1°51	18° 0	16°21	10° 3	27°25	W11
T 12	17 48 58	27°21'27	20° 2	3°19	2°26	9°18	10°59	2° 8	5°46	26°49	1°50	17°56	16°17	10° 9	27°25	T 12
F 13	17 52 54	28°18'39	1♋55	5°25	3°40	9°59	11° 6	2° 7	5°49	26°49	1°48	17°51	16°14	10°16	27°26	F 13
S 14	17 56 51	29°15'50	13°54	7°30	4°54	10°41	11°14	2° 6	5°53	26°50	1°47	17°44	16°11	10°23	27°27	S 14
S 15	18 0 47	0♋13'01	26° 0	9°33	6° 7	11°22	11°22	2° 5	5°56	26°50	1°46	17°36	16° 8	10°29	27°27	S 15
M16	18 4 44	1°10'12	8♌15	11°35	7°21	12° 3	11°29	2° 4	5°59	26°51	1°45	17°29	16° 5	10°36	27°27	M16
T 17	18 8 40	2° 7'23	20°41	13°34	8°35	12°44	11°37	2° 3	6° 2	26°51	1°44	17°22	16° 2	10°43	27°28	T 17
W18	18 12 37	3° 4'34	3♍20	15°32	9°49	13°24	11°44	2° 2	6° 5	26°52	1°43	17°16	15°58	10°49	27°28	W18
T 19	18 16 33	4° 1'45	16°14	17°28	11° 2	14° 5	11°51	2° 1	6° 9	26°52	1°42	17°13	15°55	10°56	27°28	T 19
F 20	18 20 30	4°58'55	29°25	19°22	12°16	14°46	11°57	1°59	6°12	26°53	1°40	17°D11	15°52	11° 2	27°29	F 20
S 21	18 24 27	5°56'05	12♎56	21°14	13°30	15°27	12° 4	1°58	6°15	26°53	1°39	17°11	15°49	11° 9	27°29	S 21
S 22	18 28 23	6°53'15	26°49	23° 5	14°44	16° 8	12°11	1°56	6°19	26°54	1°38	17°12	15°46	11°16	27°29	S 22
M23	18 32 20	7°50'26	11♏ 4	24°53	15°57	16°48	12°17	1°55	6°22	26°55	1°37	17°R13	15°42	11°22	27°29	M23
T 24	18 36 16	8°47'36	25°39	26°39	17°11	17°29	12°23	1°53	6°25	26°56	1°36	17°13	15°39	11°29	27°R29	T 24
W25	18 40 13	9°44'46	10♐32	28°24	18°25	18° 9	12°29	1°51	6°29	26°56	1°34	17°11	15°36	11°36	27°29	W25
T 26	18 44 9	10°41'56	25°35	0♌ 6	19°39	18°50	12°35	1°49	6°32	26°57	1°33	17° 7	15°33	11°42	27°29	T 26
F 27	18 48 6	11°39'07	10♑41	1°46	20°52	19°30	12°41	1°47	6°36	26°58	1°32	17° 1	15°30	11°49	27°29	F 27
S 28	18 52 2	12°36'18	25°39	3°25	22° 6	20°11	12°47	1°45	6°39	26°59	1°31	16°53	15°27	11°56	27°28	S 28
S 29	18 55 59	13°33'30	10♒20	5° 2	23°20	20°51	12°52	1°43	6°43	27° 0	1°29	16°44	15°23	12° 2	27°28	S 29
M30	18 59 56	14♋30'42	24♒39	6♌36	24♋34	21♊31	12♈57	1♓41	6♌46	27♍ 1	1♒28	16♏36	15♏20	12♊ 9	27♓28	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n53	14s54	5n 1	22n 6	0n 8	23n21	0n17	20n44	0n 9	2n34	1s16	12s16	1s38	19n38	0n38	2n40	1n30	25s49	6s12	17s17	16s56	19n58	2n12	3n35
M 2	22 58	11 4	5 13	22 35	0 19	23 29	0 19	20 52	0 10	2 38	1 16	12 17	1 38	19 38	0 38	2 40	1 30	25 50	6 12	17 16	16 55	19 58	2 12	3 36
T 3	23 3	6 45	5 7	23 2	0 29	23 36	0 22	21 1	0 10	2 41	1 16	12 17	1 38	19 37	0 37	2 40	1 30	25 50	6 12	17 15	16 55	19 58	2 13	3 36
W 4	23 8	2 16	4 44	23 26	0 39	23 43	0 24	21 10	0 11	2 45	1 16	12 17	1 39	19 36	0 37	2 40	1 30	25 51	6 13	17 15	16 54	19 58	2 14	3 36
T 5	23 12	2n12	4 7	23 48	0 49	23 49	0 26	21 18	0 11	2 48	1 17	12 17	1 39	19 35	0 37	2 40	1 30	25 51	6 13	17 15	16 53	19 58	2 14	3 36
F 6	23 16	6 27	3 19	24 8	0 58	23 55	0 28	21 26	0 12	2 51	1 17	12 17	1 39	19 35	0 37	2 40	1 30	25 51	6 13	17 15	16 52	19 58	2 15	3 36
S 7	23 19	10 21	2 24	24 25	1 6	23 59	0 31	21 34	0 13	2 54	1 17	12 17	1 39	19 34	0 37	2 40	1 30	25 52	6 13	17 15	16 51	19 59	2 15	3 36
S 8	23 22	13 46	1 23	24 39	1 14	24 3	0 33	21 42	0 13	2 58	1 17	12 18	1 40	19 33	0 37	2 39	1 30	25 52	6 13	17 16	16 50	19 59	2 16	3 36
M 9	23 25	16 35	0 19	24 51	1 21	24 6	0 35	21 50	0 14	3 1	1 17	12 18	1 40	19 32	0 37	2 39	1 30	25 53	6 14	17 16	16 49	19 59	2 16	3 37
T 10	23 27	18 42	0s46	24 59	1 28	24 9	0 37	21 57	0 15	3 4	1 18	12 18	1 40	19 32	0 37	2 39	1 30	25 53	6 14	17 16	16 48	19 59	2 16	3 37
W11	23 29	19 59	1 48	25 5	1 33	24 11	0 39	22 4	0 15	3 7	1 18	12 19	1 40	19 31	0 37	2 39	1 30	25 54	6 14	17 16	16 47	19 59	2 17	3 37
T 12	23 30	20 24	2 45	25 8	1 38	24 12	0 42	22 11	0 16	3 10	1 18	12 19	1 41	19 30	0 37	2 39	1 30	25 54	6 14	17 14	16 46	20 0	2 17	3 37
F 13	23 31	19 55	3 36	25 8	1 43	24 12	0 44	22 18	0 16	3 13	1 18	12 20	1 41	19 29	0 37	2 39	1 30	25 54	6 14	17 13	16 45	20 0	2 18	3 37
S 14	23 32	18 32	4 17	25 5	1 46	24 12	0 46	22 25	0 17	3 15	1 19	12 20	1 41	19 29	0 37	2 38	1 30	25 55	6 15	17 11	16 45	20 0	2 18	3 37
S 15	23 32	16 19	4 47	25 0	1 49	24 11	0 48	22 31	0 18	3 18	1 19	12 21	1 41	19 28	0 37	2 38	1 30	25 55	6 15	17 9	16 44	20 0	2 18	3 37
M16	23 31	13 22	5 5	24 52	1 51	24 9	0 50	22 37	0 18	3 21	1 19	12 21	1 41	19 27	0 37	2 38	1 30	25 56	6 15	17 7	16 43	20 0	2 19	3 37
T 17	23 31	9 47	5 8	24 42	1 53	24 7	0 52	22 43	0 19	3 23	1 19	12 22	1 42	19 26	0 37	2 38	1 30	25 56	6 15	17 5	16 42	20 0	2 19	3 38
W18	23 30	5 42	4 57	24 30	1 54	24 3	0 54	22 49	0 20	3 26	1 20	12 22	1 42	19 25	0 37	2 37	1 30	25 57	6 15	17 3	16 41	20 0	2 19	3 38
T 19	23 28	1 18	4 30	24 16	1 54	23 59	0 56	22 55	0 20	3 29	1 20	12 23	1 42	19 25	0 37	2 37	1 30	25 57	6 15	17 2	16 40	20 1	2 19	3 38
F 20	23 26	3s16	3 49	23 59	1 53	23 55	0 57	23 0	0 21	3 31	1 20	12 24	1 42	19 24	0 37	2 37	1 30	25 57	6 15	17 2	16 39	20 1	2 20	3 38
S 21	23 24	7 48	2 54	23 41	1 52	23 49	0 59	23 5	0 22	3 33	1 20	12 25	1 43	19 23	0 37	2 37	1 30	25 58	6 16	17 2	16 38	20 1	2 20	3 38
S 22	23 21	12 3	1 48	23 21	1 50	23 43	1 1	23 10	0 22	3 36	1 21	12 25	1 43	19 22	0 37	2 36	1 30	25 58	6 16	17 2	16 37	20 1	2 20	3 38
M23	23 18	15 44	0 33	22 59	1 47	23 37	1 3	23 15	0 23	3 38	1 21	12 26	1 43	19 21	0 37	2 36	1 30	25 59	6 16	17 2	16 36	20 1	2 20	3 38
T 24	23 14	18 31	0n45	22 36	1 44	23 29	1 4	23 20	0 23	3 40	1 21	12 27	1 43	19 20	0 37	2 36	1 29	25 59	6 16	17 2	16 35	20 1	2 20	3 39
W25	23 10	20 6	2 2	22 12	1 40	23 21	1 6	23 24	0 24	3 42	1 21	12 28	1 43	19 19	0 37	2 35	1 29	26 0	6 16	17 2	16 34	20 1	2 20	3 39
T 26	23 6	20 16	3 11	21 46	1 36	23 12	1 8	23 28	0 25	3 44	1 22	12 29	1 44	19 19	0 37	2 35	1 29	26 0	6 16	17 1	16 33	20 1	2 20	3 39
F 27	23 1	19 0	4 7	21 19	1 31	23 2	1 9	23 32	0 25	3 46	1 22	12 30	1 44	19 18	0 37	2 35	1 29	26 0	6 17	16 59	16 33	20 1	2 20	3 39
S 28	22 56	16 25	4 45	20 52	1 26	22 52	1 11	23 36	0 26	3 48	1 22	12 31	1 44	19 17	0 37	2 34	1 29	26 1	6 17	16 57	16 32	20 2	2 20	3 39
S 29	22 50	12 50	5 4	20 23	1 20	22 41	1 12	23 39	0 27	3 50	1 22	12 32	1 44	19 16	0 37	2 34	1 29	26 1	6 17	16 54	16 31	20 2	2 20	3 39
M30	22n44	8s36	5n 3	19n53	1n14	22n30	1n13	23n43	0n27	3n52	1s23	12s33	1s44	19n15	0n37	2n33	1n29	26s 2	6s17	16s52	16s30	20n 2	2n20	3n39

Julian Day Number = 2191285.5, Delta T = 10m44s
Ecliptic obliquity = 23°31'48, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'08, Lahiri = 13°55'09 Julian Calendar 1 June 1287 == Greg. Calendar 8 June 1287

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ASTRODIENST EPHEMERIS for the year 1287
geocentric

JULY 1287 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 3 52	15♋27'54	8♓29	8♌ 9	25♋47	22♊11	13♈ 2	1°R38	6♌50	27♍ 2	1°R27	16°R30	15♏17	12♊16	27°R27	T 1
W 2	19 7 49	16°25'07	21°51	9°40	27° 1	22°52	13° 7	1♓36	6°53	27° 3	1♒25	16♏25	15°14	12°22	27♓27	W 2
T 3	19 11 45	17°22'22	4♈45	11° 8	28°15	23°32	13°12	1°33	6°57	27° 4	1°24	16°22	15°11	12°29	27°27	T 3
F 4	19 15 42	18°19'36	17°16	12°35	29°29	24°12	13°16	1°31	7° 0	27° 5	1°23	16°D21	15° 8	12°36	27°26	F 4
S 5	19 19 38	19°16'52	29°29	14° 0	0♌43	24°52	13°21	1°28	7° 4	27° 6	1°21	16°22	15° 4	12°42	27°25	S 5
S 6	19 23 35	20°14'09	11♉28	15°22	1°56	25°32	13°25	1°25	7° 7	27° 7	1°20	16°R22	15° 1	12°49	27°25	S 6
M 7	19 27 31	21°11'27	23°18	16°43	3°10	26°12	13°29	1°23	7°11	27° 8	1°19	16°22	14°58	12°56	27°24	M 7
T 8	19 31 28	22° 8'46	5♊ 5	18° 1	4°24	26°52	13°33	1°20	7°15	27° 9	1°17	16°20	14°55	13° 2	27°23	T 8
W 9	19 35 25	23° 6'05	16°53	19°17	5°38	27°32	13°36	1°17	7°18	27°10	1°16	16°16	14°52	13° 9	27°23	W 9
T 10	19 39 21	24° 3'26	28°46	20°31	6°52	28°12	13°40	1°13	7°22	27°11	1°15	16° 9	14°48	13°16	27°22	T 10
F 11	19 43 18	25° 0'47	10♋45	21°43	8° 5	28°51	13°43	1°10	7°26	27°13	1°13	16° 0	14°45	13°22	27°21	F 11
S 12	19 47 14	25°58'09	22°54	22°52	9°19	29°31	13°46	1° 7	7°29	27°14	1°12	15°49	14°42	13°29	27°20	S 12
S 13	19 51 11	26°55'32	5♌13	23°59	10°33	0♋11	13°49	1° 4	7°33	27°15	1°10	15°37	14°39	13°36	27°19	S 13
M14	19 55 7	27°52'56	17°43	25° 3	11°47	0°50	13°52	1° 0	7°37	27°16	1° 9	15°25	14°36	13°42	27°18	M14
T 15	19 59 4	28°50'21	0♍24	26° 5	13° 1	1°30	13°55	0°57	7°40	27°18	1° 8	15°13	14°33	13°49	27°17	T 15
W16	20 3 0	29°47'47	13°17	27° 4	14°14	2°10	13°57	0°53	7°44	27°19	1° 6	15° 4	14°29	13°56	27°16	W16
T 17	20 6 57	0♌45'13	26°22	28° 0	15°28	2°49	13°59	0°50	7°48	27°20	1° 5	14°58	14°26	14° 2	27°14	T 17
F 18	20 10 54	1°42'40	9♎40	28°53	16°42	3°29	14° 1	0°46	7°51	27°22	1° 4	14°54	14°23	14° 9	27°13	F 18
S 19	20 14 50	2°40'08	23°12	29°43	17°56	4° 8	14° 3	0°43	7°55	27°23	1° 2	14°52	14°20	14°16	27°12	S 19
S 20	20 18 47	3°37'36	6♏59	0♍29	19°10	4°47	14° 4	0°39	7°59	27°25	1° 1	14°52	14°17	14°22	27°11	S 20
M21	20 22 43	4°35'05	21° 3	1°13	20°23	5°27	14° 6	0°35	8° 2	27°26	0°59	14°52	14°14	14°29	27° 9	M21
T 22	20 26 40	5°32'36	5♐22	1°52	21°37	6° 6	14° 7	0°31	8° 6	27°28	0°58	14°51	14°10	14°36	27° 8	T 22
W23	20 30 36	6°30'07	19°55	2°27	22°51	6°45	14° 8	0°27	8°10	27°29	0°57	14°48	14° 7	14°42	27° 6	W23
T 24	20 34 33	7°27'39	4♑38	2°59	24° 5	7°24	14° 9	0°23	8°14	27°31	0°55	14°42	14° 4	14°49	27° 5	T 24
F 25	20 38 29	8°25'12	19°25	3°26	25°19	8° 3	14° 9	0°19	8°17	27°32	0°54	14°33	14° 1	14°56	27° 3	F 25
S 26	20 42 26	9°22'46	4♒ 8	3°49	26°32	8°42	14°10	0°15	8°21	27°34	0°53	14°23	13°58	15° 2	27° 2	S 26
S 27	20 46 23	10°20'21	18°38	4° 7	27°46	9°21	14°10	0°11	8°25	27°36	0°51	14°11	13°54	15° 9	27° 0	S 27
M28	20 50 19	11°17'58	2♓50	4°20	29° 0	10° 0	14°R10	0° 7	8°29	27°37	0°50	14° 0	13°51	15°16	26°58	M28
T 29	20 54 16	12°15'36	16°38	4°28	0♍14	10°39	14°10	0° 3	8°32	27°39	0°49	13°51	13°48	15°22	26°57	T 29
W30	20 58 12	13°13'15	29°59	4°R31	1°27	11°18	14° 9	29♒58	8°36	27°41	0°47	13°43	13°45	15°29	26°55	W30
T 31	21 2 9	14♌10'57	12♈55	4♍28	2♍41	11♋57	14♈ 9	29♒54	8♌40	27♍42	0♒46	13♏39	13♏42	15♊36	26♓53	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n38	4s 2	4n44	19n23	1n 7	22n18	1n15	23n46	0n28	3n54	1s23	12s34	1s45	19n14	0n37	2n33	1n29	26s 2	6s17	16s50	16s29	20n 2	2n20	3n40
W 2	22 31	0n34	4 10	18 52	1 0	22 5	1 16	23 49	0 28	3 55	1 23	12 35	1 45	19 13	0 37	2 33	1 29	26 2	6 17	16 48	16 28	20 2	2 20	3 40
T 3	22 24	5 1	3 24	18 21	0 53	21 51	1 17	23 51	0 29	3 57	1 24	12 36	1 45	19 12	0 37	2 32	1 29	26 3	6 17	16 48	16 27	20 2	2 20	3 40
F 4	22 16	9 6	2 29	17 49	0 45	21 37	1 18	23 54	0 30	3 58	1 24	12 37	1 45	19 11	0 37	2 32	1 29	26 3	6 17	16 47	16 26	20 2	2 20	3 40
S 5	22 8	12 43	1 29	17 16	0 37	21 22	1 20	23 56	0 30	4 0	1 24	12 38	1 46	19 10	0 37	2 31	1 29	26 4	6 18	16 48	16 25	20 2	2 20	3 40
S 6	22 0	15 45	0 26	16 44	0 28	21 7	1 21	23 58	0 31	4 1	1 24	12 39	1 46	19 10	0 37	2 31	1 29	26 4	6 18	16 48	16 24	20 2	2 20	3 40
M 7	21 51	18 4	0s37	16 11	0 19	20 51	1 22	24 0	0 32	4 3	1 25	12 40	1 46	19 9	0 37	2 30	1 29	26 5	6 18	16 48	16 23	20 2	2 20	3 40
T 8	21 42	19 37	1 38	15 38	0 10	20 34	1 23	24 2	0 32	4 4	1 25	12 42	1 46	19 8	0 37	2 30	1 29	26 5	6 18	16 47	16 22	20 2	2 20	3 40
W 9	21 33	20 18	2 35	15 6	0s 0	20 17	1 23	24 3	0 33	4 5	1 25	12 43	1 46	19 7	0 37	2 29	1 29	26 5	6 18	16 46	16 21	20 2	2 19	3 41
T 10	21 23	20 6	3 26	14 33	0 10	19 59	1 24	24 4	0 33	4 6	1 25	12 44	1 46	19 6	0 37	2 29	1 29	26 6	6 18	16 44	16 20	20 2	2 19	3 41
F 11	21 13	18 59	4 7	14 0	0 20	19 41	1 25	24 5	0 34	4 7	1 26	12 46	1 47	19 5	0 37	2 28	1 29	26 6	6 18	16 41	16 19	20 2	2 19	3 41
S 12	21 2	17 0	4 38	13 28	0 31	19 22	1 26	24 6	0 35	4 8	1 26	12 47	1 47	19 4	0 37	2 28	1 29	26 7	6 18	16 38	16 19	20 2	2 19	3 41
S 13	20 51	14 14	4 57	12 56	0 41	19 3	1 26	24 7	0 35	4 9	1 26	12 48	1 47	19 3	0 37	2 27	1 29	26 7	6 18	16 35	16 18	20 2	2 18	3 41
M14	20 40	10 48	5 1	12 24	0 52	18 43	1 27	24 7	0 36	4 10	1 27	12 50	1 47	19 2	0 37	2 27	1 29	26 7	6 18	16 31	16 17	20 2	2 18	3 41
T 15	20 28	6 50	4 51	11 53	1 3	18 22	1 27	24 8	0 36	4 10	1 27	12 51	1 47	19 1	0 37	2 26	1 29	26 8	6 19	16 28	16 16	20 3	2 18	3 41
W16	20 16	2 30	4 26	11 22	1 15	18 1	1 28	24 8	0 37	4 11	1 27	12 52	1 48	19 0	0 37	2 25	1 29	26 8	6 19	16 25	16 15	20 3	2 17	3 41
T 17	20 4	2s 1	3 47	10 52	1 26	17 40	1 28	24 8	0 38	4 12	1 27	12 54	1 48	18 59	0 37	2 25	1 29	26 9	6 19	16 23	16 14	20 3	2 17	3 42
F 18	19 51	6 31	2 55	10 23	1 38	17 18	1 29	24 7	0 38	4 12	1 28	12 55	1 48	18 58	0 37	2 24	1 29	26 9	6 19	16 22	16 13	20 3	2 17	3 42
S 19	19 38	10 47	1 52	9 54	1 50	16 55	1 29	24 7	0 39	4 13	1 28	12 57	1 48	18 57	0 37	2 24	1 29	26 9	6 19	16 22	16 12	20 3	2 16	3 42
S 20	19 25	14 33	0 42	9 27	2 1	16 32	1 29	24 6	0 40	4 13	1 28	12 58	1 48	18 56	0 37	2 23	1 29	26 10	6 19	16 21	16 11	20 3	2 16	3 42
M21	19 11	17 34	0n33	9 1	2 13	16 9	1 29	24 5	0 40	4 13	1 29	13 0	1 48	18 55	0 37	2 22	1 28	26 10	6 19	16 21	16 10	20 3	2 15	3 42
T 22	18 57	19 32	1 46	8 36	2 25	15 45	1 29	24 4	0 41	4 13	1 29	13 1	1 49	18 54	0 37	2 22	1 28	26 11	6 19	16 21	16 9	20 3	2 15	3 42
W23	18 43	20 15	2 54	8 12	2 37	15 21	1 29	24 3	0 41	4 13	1 29	13 3	1 49	18 53	0 37	2 21	1 28	26 11	6 19	16 20	16 8	20 3	2 14	3 42
T 24	18 29	19 36	3 51	7 50	2 48	14 57	1 29	24 1	0 42	4 14	1 29	13 4	1 49	18 52	0 37	2 21	1 28	26 11	6 19	16 18	16 7	20 3	2 14	3 42
F 25	18 14	17 37	4 33	7 29	3 0	14 32	1 29	24 0	0 43	4 14	1 30	13 6	1 49	18 52	0 37	2 20	1 28	26 12	6 19	16 16	16 6	20 3	2 13	3 42
S 26	17 58	14 30	4 56	7 11	3 11	14 6	1 29	23 58	0 43	4 13	1 30	13 8	1 49	18 51	0 37	2 19	1 28	26 12	6 19	16 13	16 5	20 3	2 13	3 42
S 27	17 43	10 33	5 0	6 54	3 22	13 40	1 28	23 56	0 44	4 13	1 30	13 9	1 49	18 50	0 37	2 19	1 28	26 12	6 19	16 9	16 4	20 2	2 12	3 43
M28	17 27	6 4	4 45	6 39	3 33	13 14	1 28	23 53	0 44	4 13	1 30	13 11	1 49	18 49	0 37	2 18	1 28	26 13	6 19	16 6	16 3	20 2	2 12	3 43
T 29	17 11	1 24	4 14	6 27	3 43	12 48	1 27	23 51	0 45	4 13	1 31	13 12	1 50	18 48	0 37	2 17	1 28	26 13	6 19	16 3	16 2	20 2	2 11	3 43
W30	16 55	3n11	3 29	6 17	3 53	12 21	1 27	23 48	0 46	4 12	1 31	13 14	1 50	18 47	0 37	2 16	1 28	26 13	6 19	16 1	16 2	20 2	2 10	3 43
T 31	16n38	7n30	2n35	6n 9	4s 2	11n54	1n26	23n45	0n46	4n12	1s31	13s16	1s50	18n46	0n37	2n16	1n28	26s14	6s19	16s 0	16s 1	20n 2	2n10	3n43

Julian Day Number = 2191315.5, Delta T = 10m44s
Ecliptic obliquity = 23°31'47, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'12, Lahiri = 13°55'13 Julian Calendar 1 July 1287 == Greg. Calendar 8 July 1287

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1287
geocentric

AUGUST 1287 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 6 5	15♌ 8'39	25♈28	4°R20	3♍55	12♋36	14°R 8	29°R50	8♌43	27♍44	0°R45	13°R36	13♏39	15♊42	26°R51	F 1
S 2	21 10 2	16° 6'24	7♉41	4♍ 6	5° 9	13°14	14♈ 7	29♒45	8°47	27°46	0♒43	13♏35	13°35	15°49	26♓49	S 2
S 3	21 13 58	17° 4'10	19°41	3°46	6°22	13°53	14° 6	29°41	8°51	27°48	0°42	13°35	13°32	15°56	26°47	S 3
M 4	21 17 55	18° 1'57	1♊33	3°20	7°36	14°32	14° 4	29°37	8°54	27°50	0°41	13°35	13°29	16° 2	26°45	M 4
T 5	21 21 52	18°59'47	13°21	2°49	8°50	15°10	14° 3	29°32	8°58	27°51	0°39	13°33	13°26	16° 9	26°43	T 5
W 6	21 25 48	19°57'38	25°11	2°13	10° 4	15°49	14° 1	29°28	9° 2	27°53	0°38	13°29	13°23	16°16	26°41	W 6
T 7	21 29 45	20°55'31	7♋ 8	1°31	11°17	16°27	13°59	29°23	9° 6	27°55	0°37	13°22	13°20	16°22	26°39	T 7
F 8	21 33 41	21°53'26	19°15	0°45	12°31	17° 6	13°57	29°19	9° 9	27°57	0°36	13°13	13°16	16°29	26°37	F 8
S 9	21 37 38	22°51'23	1♌34	29♌56	13°45	17°44	13°54	29°14	9°13	27°59	0°34	13° 1	13°13	16°36	26°35	S 9
S 10	21 41 34	23°49'21	14° 8	29° 3	14°58	18°22	13°52	29°10	9°16	28° 1	0°33	12°48	13°10	16°42	26°33	S 10
M11	21 45 31	24°47'21	26°55	28° 8	16°12	19° 1	13°49	29° 5	9°20	28° 3	0°32	12°35	13° 7	16°49	26°30	M11
T 12	21 49 27	25°45'22	9♍56	27°12	17°26	19°39	13°46	29° 1	9°24	28° 5	0°31	12°24	13° 4	16°56	26°28	T 12
W13	21 53 24	26°43'25	23°10	26°16	18°40	20°17	13°43	28°56	9°27	28° 7	0°29	12°14	13° 0	17° 2	26°26	W13
T 14	21 57 21	27°41'30	6♎34	25°21	19°53	20°55	13°40	28°51	9°31	28° 8	0°28	12° 7	12°57	17° 9	26°23	T 14
F 15	22 1 17	28°39'36	20° 9	24°29	21° 7	21°34	13°36	28°47	9°35	28°10	0°27	12° 3	12°54	17°16	26°21	F 15
S 16	22 5 14	29°37'43	3♏53	23°41	22°21	22°12	13°32	28°42	9°38	28°12	0°26	12° 1	12°51	17°22	26°19	S 16
S 17	22 9 10	0♍35'52	17°45	22°57	23°34	22°50	13°28	28°38	9°42	28°15	0°25	12°D 1	12°48	17°29	26°16	S 17
M18	22 13 7	1°34'03	1♐46	22°19	24°48	23°28	13°24	28°33	9°45	28°17	0°24	12°R 1	12°45	17°36	26°14	M18
T 19	22 17 3	2°32'15	15°56	21°48	26° 1	24° 5	13°20	28°29	9°49	28°19	0°22	12° 1	12°41	17°42	26°11	T 19
W20	22 21 0	3°30'28	0♑12	21°24	27°15	24°43	13°16	28°24	9°52	28°21	0°21	11°58	12°38	17°49	26° 9	W20
T 21	22 24 56	4°28'43	14°32	21° 8	28°29	25°21	13°11	28°19	9°56	28°23	0°20	11°53	12°35	17°56	26° 6	T 21
F 22	22 28 53	5°27'00	28°54	21°D 1	29°42	25°59	13° 6	28°15	9°59	28°25	0°19	11°46	12°32	18° 2	26° 4	F 22
S 23	22 32 50	6°25'18	13♒11	21° 3	0♎56	26°37	13° 1	28°10	10° 3	28°27	0°18	11°36	12°29	18° 9	26° 1	S 23
S 24	22 36 46	7°23'38	27°19	21°15	2° 9	27°14	12°56	28° 6	10° 6	28°29	0°17	11°26	12°25	18°16	25°59	S 24
M25	22 40 43	8°22'00	11♓12	21°35	3°23	27°52	12°51	28° 1	10° 9	28°31	0°16	11°16	12°22	18°22	25°56	M25
T 26	22 44 39	9°20'23	24°46	22° 4	4°36	28°29	12°45	27°57	10°13	28°33	0°15	11° 7	12°19	18°29	25°54	T 26
W27	22 48 36	10°18'49	7♈59	22°42	5°50	29° 7	12°40	27°53	10°16	28°35	0°14	11° 1	12°16	18°36	25°51	W27
T 28	22 52 32	11°17'16	20°50	23°28	7° 4	29°44	12°34	27°48	10°19	28°38	0°13	10°56	12°13	18°42	25°48	T 28
F 29	22 56 29	12°15'46	3♉21	24°22	8°17	0♌22	12°28	27°44	10°23	28°40	0°12	10°54	12°10	18°49	25°46	F 29
S 30	23 0 25	13°14'18	15°35	25°24	9°30	0°59	12°22	27°39	10°26	28°42	0°11	10°D54	12° 6	18°56	25°43	S 30
S 31	23 4 22	14♍12'52	27♉35	26♌33	10♎44	1♌37	12♈16	27♒35	10♌29	28♍44	0♒10	10♏55	12♏ 3	19♊ 2	25♓40	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n21	11n21	1n35	6n 5	4s10	11n26	1n26	23n42	0n47	4n11	1s32	13s17	1s50	18n45	0n37	2n15	1n28	26s14	6s19	15s59	16s 0	20n 2	2n 9	3n43
S 2	16 4	14 37	0 31	6 3	4 18	10 59	1 25	23 39	0 47	4 11	1 32	13 19	1 50	18 44	0 37	2 14	1 28	26 14	6 19	15 59	15 59	20 2	2 8	3 43
S 3	15 47	17 12	0s32	6 4	4 24	10 31	1 24	23 36	0 48	4 10	1 32	13 21	1 50	18 43	0 37	2 14	1 28	26 15	6 20	15 59	15 58	20 2	2 8	3 43
M 4	15 29	19 1	1 34	6 8	4 29	10 2	1 23	23 32	0 49	4 9	1 32	13 22	1 50	18 42	0 37	2 13	1 28	26 15	6 20	15 59	15 57	20 2	2 7	3 43
T 5	15 11	20 0	2 31	6 16	4 33	9 34	1 22	23 29	0 49	4 8	1 33	13 24	1 50	18 41	0 37	2 12	1 28	26 15	6 20	15 58	15 56	20 2	2 6	3 43
W 6	14 53	20 5	3 21	6 26	4 35	9 5	1 21	23 25	0 50	4 7	1 33	13 26	1 51	18 40	0 37	2 11	1 28	26 16	6 20	15 57	15 55	20 2	2 5	3 43
T 7	14 34	19 17	4 4	6 40	4 36	8 36	1 20	23 21	0 50	4 6	1 33	13 27	1 51	18 39	0 37	2 11	1 28	26 16	6 20	15 55	15 54	20 2	2 5	3 43
F 8	14 16	17 36	4 35	6 57	4 35	8 6	1 19	23 17	0 51	4 5	1 33	13 29	1 51	18 38	0 37	2 10	1 28	26 16	6 20	15 52	15 53	20 2	2 4	3 43
S 9	13 57	15 5	4 55	7 17	4 33	7 37	1 18	23 12	0 52	4 4	1 34	13 31	1 51	18 37	0 37	2 9	1 28	26 16	6 20	15 48	15 52	20 2	2 3	3 44
S 10	13 38	11 51	5 1	7 39	4 28	7 7	1 17	23 8	0 52	4 3	1 34	13 32	1 51	18 36	0 37	2 8	1 28	26 17	6 20	15 44	15 51	20 2	2 2	3 44
M11	13 18	8 1	4 52	8 4	4 22	6 37	1 15	23 3	0 53	4 1	1 34	13 34	1 51	18 35	0 37	2 7	1 28	26 17	6 20	15 41	15 50	20 2	2 1	3 44
T 12	12 59	3 45	4 27	8 31	4 13	6 7	1 14	22 58	0 53	4 0	1 34	13 36	1 51	18 34	0 37	2 7	1 28	26 17	6 20	15 37	15 49	20 2	2 1	3 44
W13	12 39	0s46	3 48	9 0	4 3	5 37	1 13	22 53	0 54	3 59	1 35	13 37	1 51	18 33	0 37	2 6	1 28	26 18	6 20	15 34	15 48	20 1	2 0	3 44
T 14	12 19	5 19	2 56	9 30	3 51	5 7	1 11	22 48	0 55	3 57	1 35	13 39	1 51	18 32	0 37	2 5	1 28	26 18	6 20	15 32	15 47	20 1	1 59	3 44
F 15	11 59	9 39	1 53	10 0	3 37	4 36	1 10	22 42	0 55	3 55	1 35	13 41	1 51	18 31	0 37	2 4	1 28	26 18	6 20	15 31	15 46	20 1	1 58	3 44
S 16	11 39	13 32	0 43	10 30	3 22	4 5	1 8	22 37	0 56	3 54	1 35	13 42	1 51	18 30	0 37	2 3	1 28	26 18	6 20	15 30	15 45	20 1	1 57	3 44
S 17	11 18	16 42	0n30	11 0	3 5	3 34	1 6	22 31	0 56	3 52	1 36	13 44	1 51	18 29	0 37	2 3	1 28	26 19	6 20	15 30	15 44	20 1	1 56	3 44
M18	10 57	18 55	1 43	11 29	2 47	3 4	1 4	22 25	0 57	3 50	1 36	13 46	1 51	18 29	0 37	2 2	1 28	26 19	6 20	15 30	15 43	20 1	1 55	3 44
T 19	10 37	19 58	2 50	11 57	2 29	2 33	1 3	22 19	0 58	3 48	1 36	13 47	1 52	18 28	0 37	2 1	1 28	26 19	6 20	15 30	15 42	20 1	1 54	3 44
W20	10 16	19 45	3 47	12 22	2 10	2 1	1 1	22 13	0 58	3 46	1 36	13 49	1 52	18 27	0 37	2 0	1 28	26 19	6 19	15 29	15 41	20 1	1 53	3 44
T 21	9 54	18 16	4 30	12 45	1 51	1 30	0 59	22 7	0 59	3 45	1 37	13 51	1 52	18 26	0 37	1 59	1 28	26 20	6 19	15 28	15 40	20 1	1 52	3 44
F 22	9 33	15 38	4 56	13 5	1 32	0 59	0 57	22 0	0 59	3 42	1 37	13 52	1 52	18 25	0 37	1 58	1 28	26 20	6 19	15 25	15 39	20 0	1 51	3 44
S 23	9 11	12 5	5 3	13 23	1 13	0 28	0 55	21 54	1 0	3 40	1 37	13 54	1 52	18 24	0 38	1 58	1 28	26 20	6 19	15 22	15 38	20 0	1 50	3 44
S 24	8 50	7 53	4 52	13 37	0 55	0s 3	0 53	21 47	1 1	3 38	1 37	13 56	1 52	18 23	0 38	1 57	1 28	26 20	6 19	15 19	15 37	20 0	1 49	3 44
M25	8 28	3 20	4 23	13 47	0 37	0 35	0 50	21 40	1 1	3 36	1 37	13 57	1 52	18 22	0 38	1 56	1 28	26 20	6 19	15 16	15 36	20 0	1 48	3 44
T 26	8 6	1n17	3 40	13 54	0 19	1 6	0 48	21 33	1 2	3 34	1 38	13 59	1 52	18 21	0 38	1 55	1 28	26 21	6 19	15 13	15 36	20 0	1 47	3 44
W27	7 44	5 44	2 47	13 57	0 3	1 37	0 46	21 26	1 2	3 31	1 38	14 0	1 52	18 20	0 38	1 54	1 28	26 21	6 19	15 11	15 35	20 0	1 46	3 44
T 28	7 22	9 47	1 45	13 57	0n12	2 9	0 44	21 18	1 3	3 29	1 38	14 2	1 52	18 19	0 38	1 53	1 28	26 21	6 19	15 10	15 34	20 0	1 45	3 44
F 29	6 59	13 19	0 40	13 52	0 27	2 40	0 41	21 11	1 4	3 26	1 38	14 3	1 52	18 19	0 38	1 52	1 28	26 21	6 19	15 9	15 33	19 59	1 44	3 44
S 30	6 37	16 10	0s25	13 44	0 40	3 11	0 39	21 3	1 4	3 24	1 38	14 5	1 52	18 18	0 38	1 52	1 28	26 21	6 19	15 9	15 32	19 59	1 43	3 44
S 31	6n14	18n16	1s28	13n32	0n52	3s42	0n37	20n56	1n 5	3n21	1s38	14s 6	1s52	18n17	0n38	1n51	1n28	26s21	6s19	15s 9	15s31	19n59	1n42	3n44

Julian Day Number = 2191346.5, Delta T = 10m44s
Ecliptic obliquity = 23°31'48, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'17, Lahiri = 13°55'17 Julian Calendar 1 Aug. 1287 == Greg. Calendar 8 Aug. 1287

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ASTRODIENST EPHEMERIS for the year 1287
geocentric

SEPTEMBER 1287 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 8 19	15♍11'28	9♊28	27♌48	11♎57	2♌14	12°R10	27°R31	10♌33	28♍46	0°R 9	10♏56	12♏ 0	19♊ 9	25°R38	M 1
T 2	23 12 15	16°10'07	21°17	29° 8	13°11	2°51	12♈ 3	27♒27	10°36	28°48	0♒ 8	10°R56	11°57	19°16	25♓35	T 2
W 3	23 16 12	17° 8'48	3♋ 9	0♍34	14°24	3°28	11°57	27°23	10°39	28°51	0° 8	10°54	11°54	19°22	25°32	W 3
T 4	23 20 8	18° 7'31	15° 9	2° 5	15°38	4° 5	11°50	27°18	10°42	28°53	0° 7	10°51	11°51	19°29	25°29	T 4
F 5	23 24 5	19° 6'17	27°20	3°39	16°51	4°42	11°43	27°14	10°45	28°55	0° 6	10°45	11°47	19°36	25°27	F 5
S 6	23 28 1	20° 5'04	9♌46	5°16	18° 5	5°20	11°36	27°10	10°48	28°57	0° 5	10°37	11°44	19°42	25°24	S 6
S 7	23 31 58	21° 3'54	22°30	6°57	19°18	5°56	11°29	27° 6	10°51	28°59	0° 4	10°29	11°41	19°49	25°21	S 7
M 8	23 35 54	22° 2'46	5♍33	8°39	20°31	6°33	11°22	27° 2	10°54	29° 2	0° 4	10°20	11°38	19°56	25°18	M 8
T 9	23 39 51	23° 1'40	18°53	10°23	21°45	7°10	11°15	26°58	10°57	29° 4	0° 3	10°12	11°35	20° 2	25°16	T 9
W10	23 43 47	24° 0'36	2♎29	12° 9	22°58	7°47	11° 7	26°55	11° 0	29° 6	0° 2	10° 6	11°31	20° 9	25°13	W10
T 11	23 47 44	24°59'34	16°19	13°56	24°11	8°24	11° 0	26°51	11° 3	29° 8	0° 2	10° 1	11°28	20°16	25°10	T 11
F 12	23 51 41	25°58'34	0♏19	15°44	25°25	9° 0	10°52	26°47	11° 6	29°11	0° 1	9°59	11°25	20°23	25° 7	F 12
S 13	23 55 37	26°57'36	14°25	17°31	26°38	9°37	10°45	26°44	11° 9	29°13	0° 0	9°D59	11°22	20°29	25° 4	S 13
S 14	23 59 34	27°56'40	28°34	19°20	27°51	10°14	10°37	26°40	11°12	29°15	29♑59	9°59	11°19	20°36	25° 2	S 14
M15	0 3 30	28°55'45	12♐46	21° 8	29° 4	10°50	10°29	26°36	11°15	29°17	29°59	10° 1	11°16	20°43	24°59	M15
T 16	0 7 27	29°54'53	26°56	22°56	0♏18	11°27	10°21	26°33	11°17	29°19	29°59	10°R 2	11°12	20°49	24°56	T 16
W17	0 11 23	0♎54'02	11♑ 5	24°44	1°31	12° 3	10°13	26°30	11°20	29°22	29°58	10° 1	11° 9	20°56	24°53	W17
T 18	0 15 20	1°53'13	25° 9	26°31	2°44	12°39	10° 5	26°26	11°23	29°24	29°58	9°59	11° 6	21° 3	24°51	T 18
F 19	0 19 16	2°52'26	9♒ 8	28°18	3°57	13°16	9°58	26°23	11°26	29°26	29°57	9°55	11° 3	21° 9	24°48	F 19
S 20	0 23 13	3°51'41	22°59	0♎ 5	5°10	13°52	9°50	26°20	11°28	29°28	29°57	9°50	11° 0	21°16	24°45	S 20
S 21	0 27 10	4°50'57	6♓39	1°50	6°24	14°28	9°41	26°17	11°31	29°31	29°56	9°45	10°56	21°23	24°42	S 21
M22	0 31 6	5°50'15	20° 6	3°36	7°37	15° 4	9°33	26°14	11°33	29°33	29°56	9°39	10°53	21°29	24°40	M22
T 23	0 35 3	6°49'35	3♈18	5°20	8°50	15°40	9°25	26°11	11°36	29°35	29°55	9°34	10°50	21°36	24°37	T 23
W24	0 38 59	7°48'58	16°14	7° 4	10° 3	16°16	9°17	26° 8	11°38	29°37	29°55	9°31	10°47	21°43	24°34	W24
T 25	0 42 56	8°48'22	28°54	8°47	11°16	16°52	9° 9	26° 5	11°41	29°40	29°55	9°29	10°44	21°49	24°32	T 25
F 26	0 46 52	9°47'49	11♉17	10°30	12°29	17°28	9° 1	26° 3	11°43	29°42	29°55	9°D28	10°41	21°56	24°29	F 26
S 27	0 50 49	10°47'18	23°28	12°11	13°42	18° 4	8°53	26° 0	11°45	29°44	29°54	9°29	10°37	22° 3	24°26	S 27
S 28	0 54 45	11°46'49	5♊27	13°53	14°55	18°40	8°45	25°58	11°48	29°46	29°54	9°30	10°34	22° 9	24°24	S 28
M29	0 58 42	12°46'23	17°19	15°33	16° 8	19°15	8°37	25°55	11°50	29°48	29°54	9°32	10°31	22°16	24°21	M29
T 30	1 2 39	13♎45'58	29♊ 9	17♎13	17♏21	19♌51	8♈29	25♒53	11♌52	29♍51	29♑54	9♏34	10♏28	22♊23	24♓19	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n51	19n32	2s27	13n16	1n 3	4s13	0n34	20n48	1n 5	3n19	1s39	14s 8	1s52	18n16	0n38	1n50	1n28	26s21	6s19	15s10	15s30	19n59	1n41	3n44
T 2	5 29	19 55	3 20	12 57	1 13	4 44	0 31	20 40	1 6	3 16	1 39	14 9	1 52	18 15	0 38	1 49	1 28	26 22	6 19	15 10	15 29	19 59	1 40	3 44
W 3	5 6	19 26	4 3	12 35	1 22	5 15	0 29	20 32	1 7	3 13	1 39	14 11	1 52	18 14	0 38	1 48	1 28	26 22	6 19	15 9	15 28	19 59	1 38	3 44
T 4	4 43	18 5	4 37	12 10	1 29	5 46	0 26	20 24	1 7	3 11	1 39	14 12	1 52	18 13	0 38	1 47	1 28	26 22	6 19	15 8	15 27	19 58	1 37	3 44
F 5	4 20	15 53	4 59	11 41	1 36	6 17	0 24	20 15	1 8	3 8	1 39	14 14	1 52	18 13	0 38	1 46	1 28	26 22	6 19	15 6	15 26	19 58	1 36	3 44
S 6	3 57	12 56	5 7	11 10	1 41	6 48	0 21	20 7	1 8	3 5	1 39	14 15	1 52	18 12	0 38	1 45	1 28	26 22	6 19	15 4	15 25	19 58	1 35	3 44
S 7	3 33	9 20	5 0	10 37	1 45	7 18	0 18	19 58	1 9	3 2	1 39	14 16	1 52	18 11	0 38	1 45	1 28	26 22	6 19	15 1	15 24	19 58	1 34	3 44
M 8	3 10	5 12	4 38	10 2	1 48	7 48	0 15	19 50	1 10	2 59	1 40	14 18	1 52	18 10	0 38	1 44	1 28	26 22	6 19	14 59	15 23	19 58	1 33	3 44
T 9	2 47	0 44	4 1	9 24	1 51	8 19	0 13	19 41	1 10	2 56	1 40	14 19	1 52	18 9	0 38	1 43	1 28	26 22	6 19	14 56	15 22	19 57	1 32	3 44
W10	2 23	3s52	3 9	8 45	1 52	8 49	0 10	19 32	1 11	2 53	1 40	14 20	1 52	18 9	0 38	1 42	1 28	26 23	6 18	14 54	15 21	19 57	1 30	3 44
T 11	2 0	8 21	2 5	8 4	1 53	9 18	0 7	19 23	1 11	2 50	1 40	14 22	1 52	18 8	0 38	1 41	1 28	26 23	6 18	14 53	15 20	19 57	1 29	3 43
F 12	1 36	12 26	0 52	7 23	1 52	9 48	0 4	19 14	1 12	2 47	1 40	14 23	1 52	18 7	0 38	1 40	1 28	26 23	6 18	14 52	15 19	19 57	1 28	3 43
S 13	1 13	15 50	0n24	6 39	1 52	10 17	0 1	19 5	1 13	2 44	1 40	14 24	1 52	18 6	0 38	1 39	1 28	26 23	6 18	14 52	15 18	19 57	1 27	3 43
S 14	0 49	18 18	1 39	5 56	1 50	10 47	0s 2	18 55	1 13	2 41	1 40	14 25	1 52	18 5	0 38	1 38	1 28	26 23	6 18	14 52	15 17	19 56	1 26	3 43
M15	0 26	19 38	2 49	5 11	1 48	11 16	0 5	18 46	1 14	2 38	1 40	14 26	1 52	18 5	0 38	1 37	1 28	26 23	6 18	14 52	15 16	19 56	1 25	3 43
T 16	0 2	19 42	3 47	4 26	1 45	11 44	0 8	18 36	1 14	2 35	1 40	14 28	1 52	18 4	0 38	1 37	1 28	26 23	6 18	14 53	15 15	19 56	1 23	3 43
W17	0s22	18 32	4 32	3 40	1 42	12 13	0 11	18 27	1 15	2 32	1 40	14 29	1 52	18 3	0 38	1 36	1 28	26 23	6 18	14 53	15 14	19 56	1 22	3 43
T 18	0 45	16 15	5 1	2 54	1 39	12 41	0 14	18 17	1 16	2 28	1 40	14 30	1 51	18 3	0 38	1 35	1 28	26 23	6 18	14 52	15 13	19 55	1 21	3 43
F 19	1 9	13 2	5 11	2 7	1 35	13 9	0 17	18 7	1 16	2 25	1 40	14 31	1 51	18 2	0 38	1 34	1 28	26 23	6 18	14 51	15 12	19 55	1 20	3 43
S 20	1 32	9 8	5 3	1 21	1 30	13 36	0 20	17 57	1 17	2 22	1 40	14 32	1 51	18 1	0 38	1 33	1 28	26 23	6 18	14 49	15 11	19 55	1 19	3 43
S 21	1 56	4 48	4 38	0 34	1 26	14 4	0 23	17 47	1 17	2 19	1 40	14 33	1 51	18 0	0 38	1 32	1 28	26 23	6 18	14 47	15 10	19 55	1 18	3 43
M22	2 20	0 18	3 57	0s12	1 21	14 30	0 26	17 37	1 18	2 16	1 40	14 34	1 51	18 0	0 38	1 31	1 28	26 23	6 17	14 46	15 9	19 55	1 16	3 42
T 23	2 43	4n 9	3 5	0 59	1 15	14 57	0 29	17 27	1 19	2 13	1 40	14 35	1 51	17 59	0 38	1 30	1 28	26 23	6 17	14 44	15 8	19 54	1 15	3 42
W24	3 7	8 19	2 4	1 45	1 10	15 23	0 32	17 17	1 19	2 9	1 40	14 36	1 51	17 58	0 38	1 30	1 28	26 23	6 17	14 43	15 7	19 54	1 14	3 42
T 25	3 30	12 1	0 58	2 31	1 4	15 49	0 35	17 6	1 20	2 6	1 40	14 36	1 51	17 58	0 38	1 29	1 28	26 23	6 17	14 42	15 6	19 54	1 13	3 42
F 26	3 54	15 7	0s10	3 17	0 58	16 15	0 38	16 56	1 21	2 3	1 40	14 37	1 51	17 57	0 38	1 28	1 28	26 23	6 17	14 42	15 5	19 53	1 12	3 42
S 27	4 17	17 29	1 16	4 2	0 52	16 40	0 41	16 46	1 21	2 0	1 40	14 38	1 51	17 57	0 38	1 27	1 28	26 23	6 17	14 42	15 4	19 53	1 11	3 42
S 28	4 41	19 2	2 18	4 47	0 46	17 4	0 44	16 35	1 22	1 57	1 40	14 39	1 51	17 56	0 39	1 26	1 28	26 23	6 17	14 43	15 3	19 53	1 9	3 42
M29	5 4	19 43	3 13	5 32	0 40	17 29	0 47	16 24	1 22	1 54	1 40	14 40	1 51	17 55	0 39	1 25	1 28	26 23	6 17	14 43	15 2	19 53	1 8	3 42
T 30	5s27	19n31	4s 0	6s17	0n33	17s53	0s50	16n14	1n23	1n51	1s40	14s40	1s51	17n55	0n39	1n24	1n28	26s23	6s17	14s44	15s 1	19n52	1n 7	3n42

Julian Day Number = 2191377.5, Delta T = 10m43s
Ecliptic obliquity = 23°31'48, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'21, Lahiri = 13°55'21 Julian Calendar 1 Sept. 1287 == Greg. Calendar 8 Sept. 1287

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ASTRODIENST EPHEMERIS for the year 1287
geocentric

OCTOBER 1287 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 6 35	14♎45'37	11♋ 1	18♎52	18♏34	20♌26	8°R21	25°R51	11♌54	29♍53	29°R53	9°R35	10♏25	22♊29	24°R16	W 1
T 2	1 10 32	15°45'17	23° 0	20°30	19°46	21° 2	8♈13	25♒49	11°56	29°55	29♉53	9♏34	10°22	22°36	24♓14	T 2
F 3	1 14 28	16°45'00	5♌11	22° 8	20°59	21°37	8° 5	25°47	11°59	29°57	29°53	9°33	10°18	22°43	24°11	F 3
S 4	1 18 25	17°44'45	17°38	23°45	22°12	22°13	7°57	25°45	12° 1	29°59	29°53	9°31	10°15	22°49	24° 8	S 4
S 5	1 22 21	18°44'32	0♍25	25°22	23°25	22°48	7°49	25°43	12° 3	0♎ 1	29°53	9°28	10°12	22°56	24° 6	S 5
M 6	1 26 18	19°44'21	13°34	26°58	24°38	23°23	7°41	25°41	12° 4	0° 3	29°D53	9°25	10° 9	23° 3	24° 4	M 6
T 7	1 30 14	20°44'13	27° 6	28°34	25°51	23°58	7°34	25°39	12° 6	0° 6	29°53	9°22	10° 6	23° 9	24° 1	T 7
W 8	1 34 11	21°44'06	11♎ 0	0♏ 9	27° 3	24°33	7°26	25°38	12° 8	0° 8	29°53	9°20	10° 2	23°16	23°59	W 8
T 9	1 38 7	22°44'02	25°12	1°43	28°16	25° 9	7°18	25°36	12°10	0°10	29°53	9°19	9°59	23°23	23°56	T 9
F 10	1 42 4	23°44'00	9♏38	3°17	29°29	25°43	7°11	25°35	12°12	0°12	29°53	9°D18	9°56	23°30	23°54	F 10
S 11	1 46 1	24°43'59	24°12	4°50	0♐41	26°18	7° 4	25°34	12°13	0°14	29°53	9°19	9°53	23°36	23°52	S 11
S 12	1 49 57	25°44'01	8♐48	6°23	1°54	26°53	6°56	25°33	12°15	0°16	29°54	9°20	9°50	23°43	23°50	S 12
M13	1 53 54	26°44'04	23°21	7°56	3° 7	27°28	6°49	25°31	12°17	0°18	29°54	9°21	9°47	23°50	23°47	M13
T 14	1 57 50	27°44'09	7♑46	9°28	4°19	28° 2	6°42	25°31	12°18	0°20	29°54	9°22	9°43	23°56	23°45	T 14
W15	2 1 47	28°44'15	21°59	10°59	5°32	28°37	6°35	25°30	12°20	0°22	29°54	9°22	9°40	24° 3	23°43	W15
T 16	2 5 43	29°44'23	5♒59	12°30	6°44	29°11	6°28	25°29	12°21	0°24	29°54	9°R22	9°37	24°10	23°41	T 16
F 17	2 9 40	0♏44'32	19°45	14° 1	7°57	29°46	6°22	25°28	12°23	0°26	29°55	9°22	9°34	24°16	23°39	F 17
S 18	2 13 36	1°44'43	3♓16	15°31	9° 9	0♍20	6°15	25°28	12°24	0°28	29°55	9°21	9°31	24°23	23°37	S 18
S 19	2 17 33	2°44'56	16°32	17° 1	10°21	0°54	6° 9	25°27	12°25	0°30	29°55	9°20	9°28	24°30	23°35	S 19
M20	2 21 30	3°45'10	29°34	18°30	11°34	1°28	6° 2	25°27	12°26	0°32	29°56	9°19	9°24	24°36	23°33	M20
T 21	2 25 26	4°45'25	12♈23	19°59	12°46	2° 2	5°56	25°27	12°28	0°34	29°56	9°19	9°21	24°43	23°31	T 21
W22	2 29 23	5°45'43	24°58	21°27	13°58	2°36	5°50	25°27	12°29	0°36	29°57	9°18	9°18	24°50	23°29	W22
T 23	2 33 19	6°46'02	7♉22	22°55	15°10	3°10	5°44	25°D27	12°30	0°38	29°57	9°D18	9°15	24°56	23°27	T 23
F 24	2 37 16	7°46'22	19°35	24°22	16°22	3°44	5°38	25°27	12°31	0°40	29°58	9°18	9°12	25° 3	23°25	F 24
S 25	2 41 12	8°46'45	1♊38	25°49	17°35	4°18	5°33	25°27	12°32	0°42	29°58	9°18	9° 8	25°10	23°24	S 25
S 26	2 45 9	9°47'09	13°34	27°15	18°47	4°51	5°27	25°27	12°33	0°43	29°59	9°R18	9° 5	25°16	23°22	S 26
M27	2 49 5	10°47'36	25°25	28°41	19°59	5°25	5°22	25°28	12°33	0°45	29°59	9°18	9° 2	25°23	23°20	M27
T 28	2 53 2	11°48'04	7♋15	0♐ 6	21°11	5°58	5°17	25°28	12°34	0°47	29°59	9°18	8°59	25°30	23°19	T 28
W29	2 56 59	12°48'34	19° 6	1°30	22°22	6°32	5°12	25°29	12°35	0°49	0♒ 0	9°18	8°56	25°37	23°17	W29
T 30	3 0 55	13°49'05	1♌ 4	2°53	23°34	7° 5	5° 7	25°29	12°36	0°51	0° 1	9°17	8°53	25°43	23°16	T 30
F 31	3 4 52	14♏49'39	13♌12	4♐15	24♐46	7♍38	5♈ 3	25♒30	12♌36	0♎52	0♒ 2	9°D17	8♏49	25♊50	23♓14	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s50	18n28	4s37	7s 0	0n27	18s16	0s53	16n 3	1n24	1n47	1s40	14s41	1s51	17n54	0n39	1n24	1n28	26s23	6s17	14s44	15s 0	19n52	1n 6	3n41
T 2	6 13	16 36	5 2	7 44	0 20	18 39	0 56	15 52	1 24	1 44	1 40	14 42	1 50	17 54	0 39	1 23	1 28	26 23	6 17	14 44	14 59	19 52	1 5	3 41
F 3	6 36	13 58	5 14	8 27	0 13	19 1	0 59	15 41	1 25	1 41	1 40	14 42	1 50	17 53	0 39	1 22	1 28	26 23	6 16	14 44	14 58	19 52	1 4	3 41
S 4	6 59	10 39	5 12	9 9	0 7	19 23	1 2	15 30	1 25	1 38	1 40	14 43	1 50	17 53	0 39	1 21	1 28	26 22	6 16	14 43	14 57	19 51	1 3	3 41
S 5	7 22	6 46	4 54	9 51	0s 0	19 45	1 5	15 19	1 26	1 35	1 40	14 43	1 50	17 52	0 39	1 20	1 28	26 22	6 16	14 42	14 56	19 51	1 2	3 41
M 6	7 45	2 28	4 21	10 32	0 7	20 6	1 8	15 8	1 27	1 32	1 40	14 44	1 50	17 52	0 39	1 19	1 28	26 22	6 16	14 41	14 55	19 51	1 0	3 41
T 7	8 8	2s 6	3 33	11 13	0 14	20 26	1 11	14 57	1 27	1 29	1 39	14 44	1 50	17 51	0 39	1 18	1 28	26 22	6 16	14 40	14 54	19 50	0 59	3 40
W 8	8 30	6 40	2 30	11 53	0 21	20 46	1 14	14 46	1 28	1 26	1 39	14 45	1 50	17 51	0 39	1 18	1 28	26 22	6 16	14 40	14 53	19 50	0 58	3 40
T 9	8 53	10 59	1 17	12 32	0 27	21 6	1 17	14 35	1 29	1 24	1 39	14 45	1 50	17 50	0 39	1 17	1 28	26 22	6 16	14 39	14 52	19 50	0 57	3 40
F 10	9 15	14 43	0n 2	13 11	0 34	21 25	1 20	14 23	1 29	1 21	1 39	14 46	1 50	17 50	0 39	1 16	1 28	26 22	6 16	14 39	14 51	19 49	0 56	3 40
S 11	9 37	17 34	1 22	13 49	0 41	21 43	1 22	14 12	1 30	1 18	1 39	14 46	1 50	17 49	0 39	1 15	1 28	26 22	6 16	14 39	14 50	19 49	0 55	3 40
S 12	9 59	19 17	2 36	14 27	0 47	22 1	1 25	14 1	1 30	1 15	1 39	14 46	1 49	17 49	0 39	1 14	1 28	26 22	6 16	14 39	14 49	19 49	0 54	3 40
M13	10 21	19 41	3 41	15 3	0 54	22 18	1 28	13 49	1 31	1 12	1 39	14 46	1 49	17 48	0 39	1 14	1 28	26 21	6 15	14 40	14 48	19 48	0 53	3 39
T 14	10 42	18 48	4 30	15 39	1 0	22 34	1 31	13 38	1 32	1 10	1 39	14 47	1 49	17 48	0 39	1 13	1 28	26 21	6 15	14 40	14 47	19 48	0 52	3 39
W15	11 4	16 45	5 3	16 14	1 6	22 50	1 33	13 27	1 32	1 7	1 38	14 47	1 49	17 48	0 39	1 12	1 28	26 21	6 15	14 40	14 46	19 48	0 51	3 39
T 16	11 25	13 44	5 17	16 48	1 13	23 5	1 36	13 15	1 33	1 5	1 38	14 47	1 49	17 47	0 39	1 11	1 28	26 21	6 15	14 40	14 45	19 47	0 50	3 39
F 17	11 47	10 1	5 12	17 22	1 19	23 20	1 38	13 3	1 34	1 2	1 38	14 47	1 49	17 47	0 39	1 11	1 28	26 21	6 15	14 40	14 44	19 47	0 49	3 39
S 18	12 8	5 50	4 50	17 54	1 25	23 34	1 41	12 52	1 34	1 0	1 38	14 47	1 49	17 47	0 39	1 10	1 28	26 21	6 15	14 40	14 43	19 47	0 48	3 38
S 19	12 28	1 27	4 13	18 26	1 31	23 47	1 43	12 40	1 35	0 57	1 38	14 47	1 49	17 46	0 39	1 9	1 28	26 21	6 15	14 39	14 42	19 46	0 47	3 38
M20	12 49	2n56	3 23	18 56	1 36	24 0	1 46	12 29	1 36	0 55	1 37	14 47	1 48	17 46	0 39	1 8	1 28	26 20	6 15	14 39	14 41	19 46	0 46	3 38
T 21	13 9	7 7	2 24	19 26	1 42	24 12	1 48	12 17	1 36	0 53	1 37	14 47	1 48	17 46	0 39	1 8	1 28	26 20	6 15	14 39	14 40	19 46	0 45	3 38
W22	13 30	10 55	1 19	19 55	1 47	24 24	1 51	12 5	1 37	0 51	1 37	14 47	1 48	17 45	0 39	1 7	1 28	26 20	6 15	14 39	14 39	19 45	0 44	3 38
T 23	13 50	14 11	0 11	20 23	1 52	24 34	1 53	11 54	1 38	0 48	1 37	14 47	1 48	17 45	0 39	1 6	1 29	26 20	6 14	14 39	14 38	19 45	0 43	3 37
F 24	14 9	16 47	0s57	20 50	1 57	24 44	1 55	11 42	1 38	0 46	1 37	14 47	1 48	17 45	0 40	1 5	1 29	26 20	6 14	14 39	14 37	19 45	0 42	3 37
S 25	14 29	18 36	2 1	21 15	2 2	24 53	1 57	11 30	1 39	0 44	1 36	14 47	1 48	17 45	0 40	1 5	1 29	26 19	6 14	14 39	14 36	19 44	0 41	3 37
S 26	14 48	19 33	2 59	21 40	2 6	25 2	1 59	11 18	1 39	0 42	1 36	14 46	1 48	17 44	0 40	1 4	1 29	26 19	6 14	14 39	14 35	19 44	0 40	3 37
M27	15 7	19 38	3 49	22 4	2 11	25 10	2 1	11 7	1 40	0 41	1 36	14 46	1 48	17 44	0 40	1 3	1 29	26 19	6 14	14 39	14 34	19 43	0 40	3 37
T 28	15 26	18 51	4 29	22 26	2 14	25 17	2 3	10 55	1 41	0 39	1 36	14 46	1 48	17 44	0 40	1 3	1 29	26 19	6 14	14 39	14 33	19 43	0 39	3 36
W29	15 44	17 15	4 58	22 47	2 18	25 23	2 5	10 43	1 41	0 37	1 35	14 46	1 47	17 44	0 40	1 2	1 29	26 18	6 14	14 39	14 32	19 43	0 38	3 36
T 30	16 3	14 53	5 14	23 7	2 21	25 29	2 7	10 31	1 42	0 35	1 35	14 45	1 47	17 44	0 40	1 1	1 29	26 18	6 14	14 39	14 31	19 42	0 37	3 36
F 31	16s21	11n51	5s17	23s26	2s24	25s34	2s 9	10n20	1n43	0n34	1s35	14s45	1s47	17n43	0n40	1n 1	1n29	26s18	6s14	14s39	14s30	19n42	0n36	3n36

Julian Day Number = 2191407.5, Delta T = 10m43s
Ecliptic obliquity = 23°31'48, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'25, Lahiri = 13°55'26 Julian Calendar 1 Oct. 1287 == Greg. Calendar 8 Oct. 1287

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ASTRODIENST EPHEMERIS for the year 1287
geocentric

NOVEMBER 1287 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 8 48	15♏50'14	25♌35	5♐37	25♐58	8♍11	4°R59	25♒31	12♌37	0♎54	0♒ 2	9♏17	8♏46	25♊57	23°R13	S 1
S 2	3 12 45	16°50'51	8♍17	6°57	27°10	8°44	4♈54	25°32	12°37	0°56	0° 3	9°18	8°43	26° 3	23♓11	S 2
M 3	3 16 41	17°51'30	21°23	8°15	28°21	9°17	4°50	25°33	12°38	0°57	0° 4	9°18	8°40	26°10	23°10	M 3
T 4	3 20 38	18°52'11	4♎54	9°33	29°33	9°50	4°47	25°35	12°38	0°59	0° 5	9°19	8°37	26°17	23° 9	T 4
W 5	3 24 34	19°52'53	18°52	10°48	0♏44	10°22	4°43	25°36	12°39	1° 1	0° 5	9°20	8°33	26°23	23° 7	W 5
T 6	3 28 31	20°53'37	3♏15	12° 2	1°56	10°55	4°39	25°37	12°39	1° 2	0° 6	9°R21	8°30	26°30	23° 6	T 6
F 7	3 32 28	21°54'22	17°58	13°13	3° 7	11°27	4°36	25°39	12°39	1° 4	0° 7	9°21	8°27	26°37	23° 5	F 7
S 8	3 36 24	22°55'09	2♐55	14°22	4°18	12° 0	4°33	25°41	12°39	1° 5	0° 8	9°20	8°24	26°43	23° 4	S 8
S 9	3 40 21	23°55'57	17°58	15°28	5°30	12°32	4°30	25°42	12°40	1° 7	0° 9	9°18	8°21	26°50	23° 3	S 9
M10	3 44 17	24°56'46	2♑57	16°31	6°41	13° 4	4°28	25°44	12°40	1° 8	0°10	9°16	8°18	26°57	23° 2	M10
T 11	3 48 14	25°57'37	17°45	17°30	7°52	13°36	4°25	25°46	12°R40	1°10	0°11	9°14	8°14	27° 3	23° 1	T 11
W12	3 52 10	26°58'28	2♒15	18°24	9° 3	14° 8	4°23	25°48	12°40	1°11	0°12	9°12	8°11	27°10	23° 0	W12
T 13	3 56 7	27°59'20	16°23	19°14	10°14	14°39	4°21	25°50	12°40	1°13	0°13	9°11	8° 8	27°17	23° 0	T 13
F 14	4 0 3	29° 0'13	0♓ 9	19°58	11°25	15°11	4°19	25°53	12°39	1°14	0°14	9°D11	8° 5	27°24	22°59	F 14
S 15	4 4 0	0♐ 1'06	13°32	20°36	12°36	15°42	4°18	25°55	12°39	1°16	0°15	9°11	8° 2	27°30	22°58	S 15
S 16	4 7 57	1° 2'01	26°34	21° 7	13°46	16°14	4°16	25°58	12°39	1°17	0°16	9°13	7°59	27°37	22°57	S 16
M17	4 11 53	2° 2'56	9♈19	21°30	14°57	16°45	4°15	26° 0	12°39	1°18	0°17	9°14	7°55	27°44	22°57	M17
T 18	4 15 50	3° 3'52	21°49	21°44	16° 7	17°16	4°14	26° 3	12°38	1°19	0°18	9°16	7°52	27°50	22°56	T 18
W19	4 19 46	4° 4'49	4♉ 7	21°R48	17°18	17°47	4°13	26° 6	12°38	1°21	0°19	9°R17	7°49	27°57	22°56	W19
T 20	4 23 43	5° 5'47	16°15	21°43	18°28	18°17	4°13	26° 8	12°37	1°22	0°21	9°17	7°46	28° 4	22°55	T 20
F 21	4 27 39	6° 6'46	28°17	21°26	19°38	18°48	4°12	26°11	12°37	1°23	0°22	9°15	7°43	28°10	22°55	F 21
S 22	4 31 36	7° 7'46	10♊13	20°58	20°48	19°19	4°D12	26°14	12°36	1°24	0°23	9°12	7°39	28°17	22°55	S 22
S 23	4 35 32	8° 8'46	22° 5	20°18	21°58	19°49	4°12	26°18	12°36	1°25	0°24	9° 8	7°36	28°24	22°55	S 23
M24	4 39 29	9° 9'48	3♋56	19°28	23° 8	20°19	4°13	26°21	12°35	1°27	0°26	9° 3	7°33	28°30	22°54	M24
T 25	4 43 26	10°10'50	15°46	18°27	24°18	20°49	4°13	26°24	12°34	1°28	0°27	8°57	7°30	28°37	22°54	T 25
W26	4 47 22	11°11'53	27°39	17°17	25°27	21°19	4°14	26°28	12°33	1°29	0°28	8°51	7°27	28°44	22°54	W26
T 27	4 51 19	12°12'57	9♌38	16° 1	26°37	21°49	4°15	26°31	12°32	1°30	0°29	8°46	7°24	28°51	22°D54	T 27
F 28	4 55 15	13°14'02	21°45	14°39	27°46	22°18	4°16	26°35	12°32	1°31	0°31	8°42	7°20	28°57	22°54	F 28
S 29	4 59 12	14°15'08	4♍ 5	13°17	28°55	22°48	4°17	26°38	12°31	1°32	0°32	8°40	7°17	29° 4	22°54	S 29
S 30	5 3 8	15♐16'15	16♍41	11♐55	0♒ 4	23♍17	4♈19	26♒42	12♌30	1♎33	0♒34	8°D39	7♏14	29♊11	22♓54	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s39	8n15	5s 5	23s43	2s27	25s38	2s10	10n 8	1n44	0n32	1s35	14s44	1s47	17n43	0n40	1n 0	1n29	26s18	6s14	14s39	14s29	19n41	0n36	3n36
S 2	16 56	4 12	4 38	23 59	2 29	25 42	2 12	9 56	1 44	0 31	1 34	14 44	1 47	17 43	0 40	0 59	1 29	26 17	6 13	14 39	14 28	19 41	0 35	3 35
M 3	17 13	0s11	3 56	24 14	2 30	25 44	2 13	9 44	1 45	0 30	1 34	14 43	1 47	17 43	0 40	0 59	1 29	26 17	6 13	14 39	14 27	19 41	0 34	3 35
T 4	17 30	4 42	3 0	24 27	2 31	25 46	2 15	9 32	1 46	0 28	1 34	14 43	1 47	17 43	0 40	0 58	1 29	26 17	6 13	14 39	14 26	19 40	0 33	3 35
W 5	17 47	9 8	1 51	24 39	2 32	25 48	2 16	9 21	1 46	0 27	1 33	14 42	1 47	17 43	0 40	0 57	1 29	26 17	6 13	14 39	14 25	19 40	0 33	3 35
T 6	18 3	13 10	0 34	24 49	2 32	25 48	2 17	9 9	1 47	0 26	1 33	14 42	1 46	17 43	0 40	0 57	1 29	26 16	6 13	14 40	14 24	19 39	0 32	3 34
F 7	18 19	16 29	0n48	24 58	2 31	25 48	2 18	8 57	1 48	0 25	1 33	14 41	1 46	17 43	0 40	0 56	1 29	26 16	6 13	14 40	14 22	19 39	0 31	3 34
S 8	18 34	18 45	2 7	25 5	2 30	25 47	2 19	8 45	1 48	0 24	1 33	14 40	1 46	17 43	0 40	0 56	1 29	26 16	6 13	14 39	14 21	19 39	0 31	3 34
S 9	18 50	19 42	3 18	25 11	2 28	25 45	2 20	8 34	1 49	0 23	1 32	14 40	1 46	17 43	0 40	0 55	1 29	26 16	6 13	14 39	14 20	19 38	0 30	3 34
M10	19 5	19 15	4 15	25 15	2 25	25 43	2 21	8 22	1 50	0 22	1 32	14 39	1 46	17 43	0 40	0 55	1 29	26 15	6 13	14 38	14 19	19 38	0 29	3 33
T 11	19 19	17 29	4 54	25 17	2 21	25 39	2 22	8 10	1 50	0 22	1 32	14 38	1 46	17 43	0 40	0 54	1 29	26 15	6 13	14 38	14 18	19 37	0 29	3 33
W12	19 33	14 38	5 14	25 17	2 16	25 35	2 23	7 59	1 51	0 21	1 31	14 37	1 46	17 43	0 40	0 53	1 29	26 15	6 13	14 37	14 17	19 37	0 28	3 33
T 13	19 47	11 0	5 14	25 16	2 11	25 31	2 23	7 47	1 52	0 20	1 31	14 36	1 46	17 43	0 40	0 53	1 29	26 14	6 12	14 37	14 16	19 36	0 28	3 33
F 14	20 1	6 51	4 55	25 12	2 4	25 25	2 24	7 35	1 53	0 20	1 31	14 36	1 45	17 43	0 40	0 52	1 29	26 14	6 12	14 37	14 15	19 36	0 27	3 32
S 15	20 14	2 29	4 21	25 7	1 56	25 19	2 24	7 24	1 53	0 20	1 31	14 35	1 45	17 43	0 40	0 52	1 30	26 14	6 12	14 37	14 14	19 35	0 27	3 32
S 16	20 27	1n54	3 34	25 0	1 46	25 12	2 24	7 12	1 54	0 19	1 30	14 34	1 45	17 43	0 41	0 51	1 30	26 13	6 12	14 37	14 13	19 35	0 26	3 32
M17	20 39	6 7	2 38	24 51	1 36	25 5	2 24	7 1	1 55	0 19	1 30	14 33	1 45	17 44	0 41	0 51	1 30	26 13	6 12	14 38	14 12	19 35	0 26	3 32
T 18	20 51	10 0	1 35	24 40	1 24	24 57	2 24	6 49	1 55	0 19	1 30	14 32	1 45	17 44	0 41	0 50	1 30	26 13	6 12	14 38	14 11	19 34	0 25	3 31
W19	21 3	13 23	0 28	24 27	1 10	24 48	2 24	6 38	1 56	0 19	1 29	14 31	1 45	17 44	0 41	0 50	1 30	26 12	6 12	14 38	14 10	19 34	0 25	3 31
T 20	21 14	16 9	0s38	24 12	0 56	24 38	2 24	6 26	1 57	0 19	1 29	14 30	1 45	17 44	0 41	0 50	1 30	26 12	6 12	14 38	14 9	19 33	0 24	3 31
F 21	21 25	18 11	1 43	23 54	0 39	24 28	2 24	6 15	1 58	0 19	1 29	14 28	1 45	17 44	0 41	0 49	1 30	26 12	6 12	14 38	14 8	19 33	0 24	3 31
S 22	21 35	19 24	2 42	23 35	0 22	24 17	2 24	6 4	1 58	0 19	1 28	14 27	1 44	17 44	0 41	0 49	1 30	26 11	6 12	14 37	14 7	19 32	0 24	3 30
S 23	21 45	19 45	3 33	23 13	0 3	24 5	2 23	5 52	1 59	0 20	1 28	14 26	1 44	17 45	0 41	0 48	1 30	26 11	6 12	14 36	14 6	19 32	0 23	3 30
M24	21 54	19 13	4 16	22 50	0n17	23 53	2 22	5 41	2 0	0 20	1 28	14 25	1 44	17 45	0 41	0 48	1 30	26 11	6 12	14 34	14 5	19 31	0 23	3 30
T 25	22 4	17 51	4 47	22 25	0 37	23 40	2 22	5 30	2 1	0 21	1 27	14 24	1 44	17 45	0 41	0 48	1 30	26 10	6 12	14 32	14 4	19 31	0 23	3 30
W26	22 12	15 42	5 6	21 58	0 57	23 26	2 21	5 19	2 1	0 21	1 27	14 22	1 44	17 45	0 41	0 47	1 30	26 10	6 12	14 30	14 3	19 30	0 23	3 29
T 27	22 21	12 54	5 12	21 31	1 17	23 12	2 20	5 8	2 2	0 22	1 27	14 21	1 44	17 46	0 41	0 47	1 30	26 10	6 12	14 28	14 2	19 30	0 22	3 29
F 28	22 28	9 31	5 4	21 3	1 36	22 57	2 19	4 57	2 3	0 23	1 27	14 20	1 44	17 46	0 41	0 46	1 30	26 9	6 11	14 27	14 1	19 29	0 22	3 29
S 29	22 36	5 40	4 42	20 36	1 54	22 42	2 18	4 46	2 4	0 23	1 26	14 18	1 44	17 46	0 41	0 46	1 30	26 9	6 11	14 27	14 0	19 29	0 22	3 29
S 30	22s43	1n30	4s 6	20s 9	2n10	22s26	2s16	4n35	2n 4	0n24	1s26	14s17	1s44	17n47	0n41	0n46	1n30	26s 9	6s11	14s26	13s59	19n28	0n22	3n28

Julian Day Number = 2191438.5, Delta T = 10m43s
Ecliptic obliquity = 23°31'47, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'29, Lahiri = 13°55'30 Julian Calendar 1 Nov. 1287 == Greg. Calendar 8 Nov. 1287

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ASTRODIENST EPHEMERIS for the year 1287
geocentric

DECEMBER 1287 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 7 5	16♐17'23	29♍38	10°R36	1♒13	23♍46	4♈20	26♒46	12°R28	1♎33	0♒35	8♏40	7♏11	29♊17	22♓55	M 1
T 2	5 11 1	17°18'31	12♎59	9♐24	2°22	24°15	4°22	26°50	12♌27	1°34	0°36	8°41	7° 8	29°24	22°55	T 2
W 3	5 14 58	18°19'40	26°48	8°20	3°30	24°44	4°24	26°54	12°26	1°35	0°38	8°43	7° 5	29°31	22°55	W 3
T 4	5 18 55	19°20'50	11♏ 5	7°26	4°39	25°12	4°27	26°58	12°25	1°36	0°39	8°R43	7° 1	29°37	22°55	T 4
F 5	5 22 51	20°22'01	25°48	6°41	5°47	25°40	4°29	27° 2	12°24	1°37	0°41	8°42	6°58	29°44	22°56	F 5
S 6	5 26 48	21°23'12	10♐52	6° 8	6°55	26° 9	4°32	27° 7	12°22	1°37	0°42	8°39	6°55	29°51	22°56	S 6
S 7	5 30 44	22°24'24	26° 8	5°45	8° 3	26°36	4°35	27°11	12°21	1°38	0°44	8°33	6°52	29°57	22°57	S 7
M 8	5 34 41	23°25'36	11♑26	5°33	9°11	27° 4	4°38	27°16	12°20	1°39	0°45	8°27	6°49	0♋ 4	22°58	M 8
T 9	5 38 37	24°26'48	26°35	5°D31	10°18	27°32	4°41	27°20	12°18	1°39	0°47	8°19	6°45	0°11	22°58	T 9
W10	5 42 34	25°28'00	11♒25	5°38	11°25	27°59	4°45	27°25	12°17	1°40	0°48	8°12	6°42	0°18	22°59	W10
T 11	5 46 30	26°29'12	25°49	5°54	12°32	28°26	4°49	27°29	12°15	1°40	0°50	8° 7	6°39	0°24	23° 0	T 11
F 12	5 50 27	27°30'24	9♓44	6°17	13°39	28°53	4°52	27°34	12°14	1°41	0°52	8° 3	6°36	0°31	23° 1	F 12
S 13	5 54 24	28°31'36	23°11	6°48	14°46	29°20	4°57	27°39	12°12	1°41	0°53	8°D 1	6°33	0°38	23° 1	S 13
S 14	5 58 20	29°32'48	6♈12	7°24	15°53	29°46	5° 1	27°44	12°10	1°42	0°55	8° 1	6°30	0°44	23° 2	S 14
M15	6 2 17	0♑33'59	18°50	8° 7	16°59	0♎12	5° 5	27°49	12° 8	1°42	0°56	8° 2	6°26	0°51	23° 3	M15
T 16	6 6 13	1°35'10	1♉11	8°54	18° 5	0°38	5°10	27°54	12° 7	1°43	0°58	8° 4	6°23	0°58	23° 4	T 16
W17	6 10 10	2°36'21	13°19	9°46	19°10	1° 4	5°15	27°59	12° 5	1°43	1° 0	8°R 4	6°20	1° 4	23° 5	W17
T 18	6 14 6	3°37'31	25°17	10°42	20°16	1°30	5°20	28° 5	12° 3	1°43	1° 1	8° 2	6°17	1°11	23° 7	T 18
F 19	6 18 3	4°38'41	7♊11	11°42	21°21	1°55	5°25	28°10	12° 1	1°44	1° 3	7°58	6°14	1°18	23° 8	F 19
S 20	6 22 0	5°39'51	19° 1	12°44	22°26	2°20	5°31	28°15	11°59	1°44	1° 5	7°51	6°11	1°25	23° 9	S 20
S 21	6 25 56	6°41'01	0♋52	13°50	23°31	2°45	5°36	28°21	11°57	1°44	1° 6	7°41	6° 7	1°31	23°10	S 21
M22	6 29 53	7°42'11	12°44	14°58	24°35	3° 9	5°42	28°26	11°55	1°44	1° 8	7°30	6° 4	1°38	23°12	M22
T 23	6 33 49	8°43'20	24°38	16° 8	25°39	3°33	5°48	28°32	11°53	1°44	1°10	7°17	6° 1	1°45	23°13	T 23
W24	6 37 46	9°44'29	6♌37	17°20	26°42	3°57	5°54	28°37	11°51	1°45	1°12	7° 5	5°58	1°51	23°15	W24
T 25	6 41 42	10°45'38	18°42	18°35	27°46	4°21	6° 0	28°43	11°49	1°45	1°13	6°54	5°55	1°58	23°16	T 25
F 26	6 45 39	11°46'46	0♍54	19°50	28°49	4°44	6° 7	28°49	11°47	1°45	1°15	6°44	5°51	2° 5	23°18	F 26
S 27	6 49 35	12°47'54	13°17	21° 8	29°51	5° 7	6°13	28°55	11°45	1°R45	1°17	6°38	5°48	2°11	23°19	S 27
S 28	6 53 32	13°49'02	25°53	22°26	0♓54	5°30	6°20	29° 0	11°43	1°45	1°19	6°34	5°45	2°18	23°21	S 28
M29	6 57 29	14°50'10	8♎45	23°46	1°56	5°52	6°27	29° 6	11°40	1°45	1°20	6°32	5°42	2°25	23°23	M29
T 30	7 1 25	15°51'18	21°58	25° 8	2°57	6°15	6°34	29°12	11°38	1°45	1°22	6°D32	5°39	2°32	23°25	T 30
W31	7 5 22	16♑52'25	5♏34	26♐30	3♓58	6♎36	6♈41	29♒18	11♌36	1♎44	1♒24	6°R32	5♏36	2♋38	23♓26	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s49	2s51	3s17	19s44	2n24	22s 9	2s15	4n24	2n 5	0n25	1s26	14s15	1s43	17n47	0n41	0n46	1n30	26s 8	6s11	14s27	13s58	19n28	0n22	3n28
T 2	22 55	7 14	2 15	19 22	2 36	21 52	2 13	4 13	2 6	0 26	1 25	14 14	1 43	17 47	0 41	0 45	1 30	26 8	6 11	14 27	13 57	19 27	0 21	3 28
W 3	23 1	11 22	1 4	19 3	2 46	21 34	2 11	4 2	2 7	0 27	1 25	14 12	1 43	17 48	0 41	0 45	1 30	26 8	6 11	14 28	13 56	19 27	0 21	3 28
T 4	23 6	15 0	0n13	18 48	2 53	21 16	2 9	3 52	2 8	0 29	1 25	14 11	1 43	17 48	0 41	0 45	1 31	26 7	6 11	14 28	13 55	19 26	0 21	3 27
F 5	23 11	17 48	1 31	18 36	2 57	20 57	2 7	3 41	2 8	0 30	1 24	14 9	1 43	17 48	0 41	0 44	1 31	26 7	6 11	14 27	13 54	19 26	0 21	3 27
S 6	23 15	19 26	2 45	18 27	3 0	20 38	2 5	3 31	2 9	0 31	1 24	14 8	1 43	17 49	0 41	0 44	1 31	26 6	6 11	14 26	13 52	19 25	0 21	3 27
S 7	23 19	19 40	3 48	18 23	3 1	20 18	2 3	3 20	2 10	0 33	1 24	14 6	1 43	17 49	0 41	0 44	1 31	26 6	6 11	14 25	13 51	19 25	0 21	3 27
M 8	23 22	18 28	4 35	18 21	3 0	19 58	2 1	3 10	2 11	0 34	1 23	14 5	1 43	17 50	0 41	0 44	1 31	26 6	6 11	14 22	13 50	19 24	0 21	3 26
T 9	23 25	15 59	5 2	18 23	2 58	19 37	1 58	3 0	2 12	0 36	1 23	14 3	1 43	17 50	0 41	0 44	1 31	26 5	6 11	14 20	13 49	19 24	0 21	3 26
W10	23 27	12 29	5 8	18 28	2 54	19 16	1 56	2 50	2 12	0 38	1 23	14 1	1 43	17 51	0 41	0 43	1 31	26 5	6 11	14 18	13 48	19 23	0 21	3 26
T 11	23 29	8 21	4 54	18 35	2 49	18 54	1 53	2 40	2 13	0 39	1 23	13 59	1 42	17 51	0 41	0 43	1 31	26 5	6 11	14 16	13 47	19 23	0 21	3 26
F 12	23 30	3 54	4 23	18 45	2 44	18 32	1 50	2 30	2 14	0 41	1 22	13 58	1 42	17 52	0 42	0 43	1 31	26 4	6 11	14 15	13 46	19 22	0 21	3 25
S 13	23 31	0n37	3 38	18 56	2 38	18 10	1 47	2 20	2 15	0 43	1 22	13 56	1 42	17 52	0 42	0 43	1 31	26 4	6 11	14 14	13 45	19 21	0 21	3 25
S 14	23 32	4 58	2 43	19 9	2 31	17 47	1 44	2 10	2 16	0 45	1 22	13 54	1 42	17 53	0 42	0 43	1 31	26 3	6 11	14 14	13 44	19 21	0 22	3 25
M15	23 32	8 58	1 42	19 23	2 23	17 24	1 40	2 0	2 16	0 47	1 21	13 52	1 42	17 53	0 42	0 43	1 31	26 3	6 11	14 15	13 43	19 20	0 22	3 25
T 16	23 31	12 30	0 37	19 38	2 15	17 0	1 37	1 51	2 17	0 49	1 21	13 50	1 42	17 54	0 42	0 43	1 31	26 3	6 11	14 15	13 42	19 20	0 22	3 24
W17	23 30	15 27	0s28	19 54	2 7	16 36	1 33	1 41	2 18	0 52	1 21	13 49	1 42	17 54	0 42	0 43	1 31	26 2	6 11	14 15	13 41	19 19	0 22	3 24
T 18	23 29	17 41	1 31	20 11	1 59	16 12	1 29	1 32	2 19	0 54	1 20	13 47	1 42	17 55	0 42	0 42	1 31	26 2	6 11	14 14	13 40	19 19	0 22	3 24
F 19	23 27	19 8	2 29	20 27	1 50	15 47	1 25	1 22	2 20	0 56	1 20	13 45	1 42	17 55	0 42	0 42	1 31	26 1	6 11	14 13	13 39	19 18	0 23	3 24
S 20	23 24	19 44	3 21	20 44	1 42	15 22	1 21	1 13	2 21	0 59	1 20	13 43	1 42	17 56	0 42	0 42	1 31	26 1	6 11	14 11	13 38	19 17	0 23	3 23
S 21	23 22	19 28	4 4	21 1	1 33	14 57	1 17	1 4	2 22	1 1	1 20	13 41	1 42	17 56	0 42	0 42	1 32	26 1	6 11	14 8	13 37	19 17	0 23	3 23
M22	23 18	18 21	4 36	21 17	1 24	14 31	1 13	0 55	2 22	1 4	1 19	13 39	1 42	17 57	0 42	0 42	1 32	26 0	6 11	14 4	13 36	19 16	0 24	3 23
T 23	23 14	16 25	4 56	21 33	1 15	14 6	1 8	0 46	2 23	1 6	1 19	13 37	1 41	17 58	0 42	0 42	1 32	26 0	6 11	14 0	13 35	19 16	0 24	3 23
W24	23 10	13 48	5 3	21 49	1 6	13 39	1 4	0 38	2 24	1 9	1 19	13 35	1 41	17 58	0 42	0 42	1 32	25 59	6 11	13 56	13 34	19 15	0 24	3 22
T 25	23 6	10 34	4 57	22 5	0 58	13 13	0 59	0 29	2 25	1 12	1 18	13 33	1 41	17 59	0 42	0 42	1 32	25 59	6 11	13 52	13 33	19 15	0 25	3 22
F 26	23 0	6 53	4 37	22 19	0 49	12 47	0 54	0 21	2 26	1 14	1 18	13 31	1 41	17 59	0 42	0 42	1 32	25 59	6 11	13 49	13 31	19 14	0 25	3 22
S 27	22 55	2 51	4 4	22 33	0 40	12 20	0 49	0 12	2 27	1 17	1 18	13 29	1 41	18 0	0 42	0 42	1 32	25 58	6 11	13 47	13 30	19 13	0 25	3 22
S 28	22 49	1s23	3 18	22 47	0 32	11 53	0 44	0 4	2 28	1 20	1 18	13 26	1 41	18 1	0 42	0 43	1 32	25 58	6 11	13 45	13 29	19 13	0 26	3 21
M29	22 42	5 39	2 22	22 59	0 24	11 26	0 39	0s 4	2 29	1 23	1 17	13 24	1 41	18 1	0 42	0 43	1 32	25 58	6 11	13 45	13 28	19 12	0 26	3 21
T 30	22 35	9 46	1 17	23 11	0 15	10 58	0 33	0 12	2 30	1 26	1 17	13 22	1 41	18 2	0 42	0 43	1 32	25 57	6 11	13 45	13 27	19 12	0 27	3 21
W31	22s28	13s30	0s 5	23s22	0n 7	10s31	0s27	0s20	2n30	1n30	1s17	13s20	1s41	18n 3	0n42	0n43	1n32	25s57	6s11	13s45	13s26	19n11	0n27	3n21

Julian Day Number = 2191468.5, Delta T = 10m43s
Ecliptic obliquity = 23°31'46, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'33, Lahiri = 13°55'34 Julian Calendar 1 Dec. 1287 == Greg. Calendar 8 Dec. 1287

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

JANUARY 1288 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 9 18	17♑53'32	19♏36	27♐53	4♓59	6♎58	6♈49	29♒25	11°R33	1°R44	1♒26	6°R32	5♏32	2♋45	23♓28	T 1
F 2	7 13 15	18°54'39	4♐ 5	29°17	5°59	7°19	6°56	29°31	11♌31	1♎44	1°28	6♏29	5°29	2°52	23°30	F 2
S 3	7 17 11	19°55'45	18°57	0♑42	6°59	7°40	7° 4	29°37	11°29	1°44	1°30	6°24	5°26	2°58	23°32	S 3
S 4	7 21 8	20°56'51	4♑ 6	2° 8	7°58	8° 0	7°12	29°43	11°26	1°44	1°31	6°15	5°23	3° 5	23°34	S 4
M 5	7 25 4	21°57'56	19°23	3°35	8°57	8°20	7°20	29°49	11°24	1°43	1°33	6° 5	5°20	3°12	23°36	M 5
T 6	7 29 1	22°59'01	4♒37	5° 2	9°55	8°40	7°28	29°56	11°22	1°43	1°35	5°54	5°17	3°18	23°38	T 6
W 7	7 32 58	24° 0'04	19°36	6°30	10°53	8°59	7°37	0♓ 2	11°19	1°43	1°37	5°42	5°13	3°25	23°40	W 7
T 8	7 36 54	25° 1'06	4♓12	7°59	11°51	9°18	7°45	0° 9	11°17	1°42	1°39	5°33	5°10	3°32	23°43	T 8
F 9	7 40 51	26° 2'07	18°19	9°29	12°47	9°37	7°54	0°15	11°14	1°42	1°41	5°25	5° 7	3°39	23°45	F 9
S 10	7 44 47	27° 3'07	1♈55	10°59	13°44	9°55	8° 2	0°22	11°12	1°41	1°42	5°21	5° 4	3°45	23°47	S 10
S 11	7 48 44	28° 4'06	15° 2	12°30	14°39	10°13	8°11	0°28	11° 9	1°41	1°44	5°19	5° 1	3°52	23°49	S 11
M12	7 52 40	29° 5'04	27°44	14° 2	15°34	10°30	8°20	0°35	11° 6	1°40	1°46	5°18	4°57	3°59	23°52	M12
T 13	7 56 37	0♒ 6'00	10♉ 5	15°34	16°29	10°47	8°29	0°42	11° 4	1°40	1°48	5°18	4°54	4° 5	23°54	T 13
W14	8 0 33	1° 6'55	22°10	17° 7	17°22	11° 3	8°39	0°48	11° 1	1°39	1°50	5°18	4°51	4°12	23°57	W14
T 15	8 4 30	2° 7'48	4♊ 6	18°41	18°15	11°19	8°48	0°55	10°59	1°38	1°52	5°15	4°48	4°19	23°59	T 15
F 16	8 8 27	3° 8'41	15°56	20°16	19° 7	11°35	8°58	1° 2	10°56	1°38	1°53	5°10	4°45	4°26	24° 2	F 16
S 17	8 12 23	4° 9'32	27°45	21°51	19°59	11°50	9° 7	1° 9	10°54	1°37	1°55	5° 1	4°42	4°32	24° 4	S 17
S 18	8 16 20	5°10'21	9♋36	23°27	20°49	12° 4	9°17	1°16	10°51	1°36	1°57	4°50	4°38	4°39	24° 7	S 18
M19	8 20 16	6°11'09	21°31	25° 4	21°39	12°18	9°27	1°23	10°48	1°36	1°59	4°36	4°35	4°46	24°10	M19
T 20	8 24 13	7°11'56	3♌32	26°41	22°28	12°32	9°37	1°30	10°46	1°35	2° 1	4°22	4°32	4°52	24°12	T 20
W21	8 28 9	8°12'42	15°41	28°19	23°16	12°45	9°47	1°36	10°43	1°34	2° 3	4° 7	4°29	4°59	24°15	W21
T 22	8 32 6	9°13'26	27°57	29°58	24° 3	12°58	9°58	1°43	10°41	1°33	2° 5	3°53	4°26	5° 6	24°18	T 22
F 23	8 36 2	10°14'09	10♍22	1♒38	24°50	13°10	10° 8	1°51	10°38	1°32	2° 6	3°42	4°23	5°12	24°21	F 23
S 24	8 39 59	11°14'51	22°56	3°19	25°35	13°21	10°19	1°58	10°35	1°31	2° 8	3°34	4°19	5°19	24°23	S 24
S 25	8 43 56	12°15'31	5♎42	5° 0	26°19	13°32	10°29	2° 5	10°33	1°30	2°10	3°28	4°16	5°26	24°26	S 25
M26	8 47 52	13°16'10	18°40	6°43	27° 2	13°42	10°40	2°12	10°30	1°30	2°12	3°26	4°13	5°33	24°29	M26
T 27	8 51 49	14°16'48	1♏53	8°26	27°44	13°52	10°51	2°19	10°27	1°29	2°14	3°D25	4°10	5°39	24°32	T 27
W28	8 55 45	15°17'25	15°25	10°10	28°25	14° 1	11° 2	2°26	10°25	1°28	2°16	3°R25	4° 7	5°46	24°35	W28
T 29	8 59 42	16°18'01	29°16	11°55	29° 5	14°10	11°13	2°33	10°22	1°26	2°17	3°25	4° 3	5°53	24°38	T 29
F 30	9 3 38	17°18'36	13♐28	13°41	29°43	14°18	11°24	2°40	10°20	1°25	2°19	3°22	4° 0	5°59	24°41	F 30
S 31	9 7 35	18♒19'09	28♐ 0	15♒27	0♈20	14♎26	11♈35	2♓48	10♌17	1♎24	2♒21	3♏17	3♏57	6♋ 6	24♓44	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s20	16s36	1n 9	23s31	0s 1	10s 3	0s22	0s28	2n31	1n33	1s16	13s18	1s41	18n 3	0n42	0n43	1n32	25s56	6s11	13s45	13s25	19n10	0n28	3n20
F 2	22 11	18 44	2 21	23 40	0 8	9 36	0 16	0 35	2 32	1 36	1 16	13 16	1 41	18 4	0 42	0 43	1 32	25 56	6 11	13 44	13 24	19 10	0 28	3 20
S 3	22 3	19 40	3 25	23 48	0 16	9 8	0 10	0 42	2 33	1 39	1 16	13 13	1 41	18 5	0 42	0 43	1 32	25 56	6 11	13 42	13 23	19 9	0 29	3 20
S 4	21 53	19 13	4 15	23 54	0 23	8 40	0 3	0 50	2 34	1 43	1 16	13 11	1 41	18 5	0 42	0 43	1 32	25 55	6 11	13 39	13 22	19 9	0 30	3 20
M 5	21 44	17 22	4 49	23 59	0 30	8 12	0n 3	0 57	2 35	1 46	1 15	13 9	1 41	18 6	0 42	0 44	1 32	25 55	6 11	13 36	13 21	19 8	0 30	3 20
T 6	21 34	14 19	5 1	24 3	0 37	7 44	0 9	1 4	2 36	1 50	1 15	13 6	1 41	18 7	0 42	0 44	1 32	25 54	6 11	13 32	13 20	19 7	0 31	3 19
W 7	21 23	10 22	4 52	24 6	0 44	7 16	0 16	1 10	2 37	1 53	1 15	13 4	1 41	18 7	0 42	0 44	1 33	25 54	6 11	13 28	13 19	19 7	0 32	3 19
T 8	21 13	5 54	4 25	24 8	0 51	6 48	0 23	1 17	2 38	1 57	1 15	13 2	1 41	18 8	0 42	0 44	1 33	25 54	6 11	13 25	13 18	19 6	0 32	3 19
F 9	21 1	1 15	3 41	24 8	0 57	6 20	0 30	1 23	2 39	2 0	1 14	12 59	1 41	18 9	0 42	0 44	1 33	25 53	6 11	13 23	13 17	19 5	0 33	3 19
S 10	20 50	3n19	2 47	24 8	1 3	5 51	0 37	1 30	2 40	2 4	1 14	12 57	1 40	18 10	0 42	0 45	1 33	25 53	6 11	13 21	13 16	19 5	0 34	3 18
S 11	20 38	7 34	1 45	24 5	1 9	5 23	0 44	1 36	2 41	2 8	1 14	12 55	1 40	18 10	0 42	0 45	1 33	25 53	6 11	13 21	13 14	19 4	0 34	3 18
M12	20 25	11 20	0 40	24 2	1 15	4 55	0 51	1 42	2 42	2 12	1 14	12 52	1 40	18 11	0 42	0 45	1 33	25 52	6 12	13 20	13 13	19 3	0 35	3 18
T 13	20 12	14 30	0s25	23 57	1 20	4 27	0 59	1 48	2 42	2 15	1 13	12 50	1 40	18 12	0 42	0 45	1 33	25 52	6 12	13 20	13 12	19 3	0 36	3 18
W14	19 59	16 58	1 28	23 50	1 25	3 59	1 7	1 53	2 43	2 19	1 13	12 47	1 40	18 12	0 42	0 46	1 33	25 51	6 12	13 20	13 11	19 2	0 37	3 18
T 15	19 46	18 39	2 26	23 43	1 30	3 31	1 14	1 58	2 44	2 23	1 13	12 45	1 40	18 13	0 42	0 46	1 33	25 51	6 12	13 19	13 10	19 1	0 37	3 17
F 16	19 32	19 31	3 17	23 34	1 35	3 4	1 22	2 4	2 45	2 27	1 13	12 43	1 40	18 14	0 42	0 46	1 33	25 51	6 12	13 17	13 9	19 1	0 38	3 17
S 17	19 17	19 31	3 59	23 23	1 39	2 36	1 30	2 9	2 46	2 31	1 12	12 40	1 40	18 15	0 42	0 47	1 33	25 50	6 12	13 15	13 8	19 0	0 39	3 17
S 18	19 3	18 40	4 31	23 11	1 43	2 8	1 39	2 13	2 47	2 35	1 12	12 38	1 40	18 15	0 42	0 47	1 33	25 50	6 12	13 11	13 7	18 59	0 40	3 17
M19	18 48	17 0	4 52	22 57	1 47	1 41	1 47	2 18	2 48	2 39	1 12	12 35	1 40	18 16	0 42	0 47	1 33	25 50	6 12	13 6	13 6	18 59	0 41	3 17
T 20	18 33	14 35	4 59	22 42	1 50	1 14	1 55	2 23	2 49	2 44	1 12	12 33	1 40	18 17	0 42	0 48	1 33	25 49	6 12	13 1	13 5	18 58	0 42	3 16
W21	18 17	11 31	4 53	22 25	1 53	0 47	2 4	2 27	2 50	2 48	1 12	12 30	1 40	18 18	0 42	0 48	1 33	25 49	6 12	12 56	13 4	18 57	0 43	3 16
T 22	18 1	7 57	4 34	22 7	1 56	0 20	2 13	2 31	2 51	2 52	1 11	12 28	1 40	18 18	0 42	0 48	1 33	25 49	6 12	12 52	13 3	18 57	0 44	3 16
F 23	17 45	3 59	4 1	21 48	1 58	0n 6	2 22	2 35	2 52	2 56	1 11	12 25	1 40	18 19	0 42	0 49	1 33	25 48	6 12	12 48	13 2	18 56	0 44	3 16
S 24	17 28	0s11	3 16	21 26	2 0	0 33	2 31	2 38	2 53	3 1	1 11	12 22	1 40	18 20	0 42	0 49	1 33	25 48	6 12	12 45	13 1	18 55	0 45	3 16
S 25	17 11	4 25	2 21	21 4	2 2	0 59	2 40	2 42	2 54	3 5	1 11	12 20	1 40	18 20	0 42	0 50	1 33	25 48	6 13	12 43	12 59	18 55	0 46	3 16
M26	16 54	8 32	1 17	20 39	2 3	1 24	2 49	2 45	2 55	3 9	1 10	12 17	1 40	18 21	0 42	0 50	1 33	25 47	6 13	12 42	12 58	18 54	0 47	3 15
T 27	16 36	12 18	0 8	20 13	2 4	1 50	2 59	2 48	2 56	3 14	1 10	12 15	1 40	18 22	0 42	0 50	1 34	25 47	6 13	12 42	12 57	18 53	0 48	3 15
W28	16 19	15 31	1n 3	19 46	2 5	2 15	3 8	2 50	2 56	3 18	1 10	12 12	1 40	18 23	0 42	0 51	1 34	25 47	6 13	12 42	12 56	18 53	0 49	3 15
T 29	16 1	17 55	2 12	19 17	2 5	2 39	3 18	2 53	2 57	3 23	1 10	12 10	1 40	18 23	0 42	0 51	1 34	25 46	6 13	12 42	12 55	18 52	0 50	3 15
F 30	15 42	19 16	3 15	18 46	2 4	3 4	3 28	2 55	2 58	3 27	1 10	12 7	1 40	18 24	0 42	0 52	1 34	25 46	6 13	12 41	12 54	18 51	0 51	3 15
S 31	15s24	19s24	4n 7	18s13	2s 3	3n27	3n37	2s57	2n59	3n32	1s 9	12s 4	1s40	18n25	0n42	0n52	1n34	25s46	6s13	12s39	12s53	18n50	0n53	3n15

Julian Day Number = 2191499.5, Delta T = 10m43s
Ecliptic obliquity = 23°31'46, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'38, Lahiri = 13°55'38 Julian Calendar 1 Jan. 1288 == Greg. Calendar 8 Jan. 1288

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

FEBRUARY 1288 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 11 31	19♒19'41	12♐48	17♒15	0♈56	14♎32	11♈46	2♓55	10°R14	1°R23	2♒23	3°R10	3♏54	6♋13	24♓47	S 1
M 2	9 15 28	20°20'12	27°46	19° 3	1°31	14°38	11°58	3° 2	10♌12	1♎22	2°25	3♏ 0	3°51	6°20	24°50	M 2
T 3	9 19 25	21°20'41	12♒44	20°53	2° 4	14°44	12° 9	3° 9	10° 9	1°21	2°26	2°49	3°48	6°26	24°53	T 3
W 4	9 23 21	22°21'08	27°33	22°43	2°35	14°49	12°21	3°17	10° 7	1°20	2°28	2°38	3°44	6°33	24°57	W 4
T 5	9 27 18	23°21'34	12♓ 5	24°34	3° 5	14°53	12°33	3°24	10° 4	1°19	2°30	2°28	3°41	6°40	25° 0	T 5
F 6	9 31 14	24°21'57	26°13	26°26	3°34	14°56	12°44	3°31	10° 2	1°17	2°32	2°21	3°38	6°46	25° 3	F 6
S 7	9 35 11	25°22'19	9♈54	28°18	4° 0	14°59	12°56	3°39	9°59	1°16	2°33	2°16	3°35	6°53	25° 6	S 7
S 8	9 39 7	26°22'39	23° 7	0♓12	4°25	15° 1	13° 8	3°46	9°57	1°15	2°35	2°14	3°32	7° 0	25° 9	S 8
M 9	9 43 4	27°22'57	5♉54	2° 6	4°48	15° 2	13°20	3°53	9°54	1°14	2°37	2°D14	3°28	7° 6	25°13	M 9
T 10	9 47 0	28°23'13	18°19	4° 0	5°10	15°R 2	13°32	4° 1	9°52	1°12	2°38	2°14	3°25	7°13	25°16	T 10
W11	9 50 57	29°23'27	0♊28	5°55	5°29	15° 2	13°45	4° 8	9°49	1°11	2°40	2°R15	3°22	7°20	25°19	W11
T 12	9 54 54	0♓23'39	12°26	7°49	5°46	15° 1	13°57	4°15	9°47	1°10	2°42	2°14	3°19	7°27	25°23	T 12
F 13	9 58 50	1°23'49	24°17	9°44	6° 1	15° 0	14° 9	4°23	9°44	1° 8	2°43	2°11	3°16	7°33	25°26	F 13
S 14	10 2 47	2°23'56	6♋ 7	11°39	6°14	14°57	14°22	4°30	9°42	1° 7	2°45	2° 6	3°13	7°40	25°29	S 14
S 15	10 6 43	3°24'02	18° 0	13°33	6°25	14°54	14°34	4°38	9°40	1° 5	2°47	1°58	3° 9	7°47	25°33	S 15
M16	10 10 40	4°24'05	29°59	15°27	6°34	14°50	14°47	4°45	9°37	1° 4	2°48	1°49	3° 6	7°53	25°36	M16
T 17	10 14 36	5°24'07	12♌ 8	17°19	6°40	14°45	15° 0	4°52	9°35	1° 3	2°50	1°38	3° 3	8° 0	25°40	T 17
W18	10 18 33	6°24'06	24°26	19°10	6°44	14°40	15°12	5° 0	9°33	1° 1	2°52	1°27	3° 0	8° 7	25°43	W18
T 19	10 22 29	7°24'03	6♍57	21° 0	6°R46	14°34	15°25	5° 7	9°30	1° 0	2°53	1°17	2°57	8°14	25°47	T 19
F 20	10 26 26	8°23'59	19°38	22°46	6°45	14°27	15°38	5°15	9°28	0°58	2°55	1° 9	2°54	8°20	25°50	F 20
S 21	10 30 22	9°23'52	2♎32	24°31	6°41	14°19	15°51	5°22	9°26	0°57	2°56	1° 3	2°50	8°27	25°54	S 21
S 22	10 34 19	10°23'44	15°36	26°12	6°35	14°10	16° 4	5°29	9°24	0°55	2°58	0°59	2°47	8°34	25°57	S 22
M23	10 38 16	11°23'34	28°52	27°49	6°27	14° 1	16°17	5°37	9°22	0°54	2°59	0°D58	2°44	8°40	26° 1	M23
T 24	10 42 12	12°23'22	12♏20	29°22	6°16	13°51	16°30	5°44	9°20	0°52	3° 1	0°59	2°41	8°47	26° 4	T 24
W25	10 46 9	13°23'08	26° 0	0♈50	6° 3	13°40	16°43	5°51	9°18	0°50	3° 2	1° 0	2°38	8°54	26° 8	W25
T 26	10 50 5	14°22'53	9♐52	2°13	5°47	13°29	16°56	5°59	9°16	0°49	3° 4	1°R 1	2°34	9° 1	26°11	T 26
F 27	10 54 2	15°22'36	23°57	3°30	5°29	13°16	17°10	6° 6	9°14	0°47	3° 5	1° 0	2°31	9° 7	26°15	F 27
S 28	10 57 58	16°22'17	8♑14	4°41	5° 8	13° 3	17°23	6°13	9°12	0°46	3° 7	0°58	2°28	9°14	26°18	S 28
S 29	11 1 55	17♓21'56	22♑39	5♈45	4♈45	12♎49	17♈36	6♓21	9♌10	0♎44	3♒ 8	0♏54	2♏25	9♋21	26♓22	S 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	15s 5	18s13	4n43	17s39	2s 2	3n51	3n47	2s59	3n 0	3n37	1s 9	12s 2	1s40	18n25	0n42	0n53	1n34	25s45	6s13	12s37	12s52	18n50	0n54	3n14
M 2	14 46	15 47	5 0	17 4	2 0	4 14	3 57	3 1	3 1	3 41	1 9	11 59	1 40	18 26	0 42	0 53	1 34	25 45	6 13	12 34	12 51	18 49	0 55	3 14
T 3	14 26	12 18	4 57	16 27	1 58	4 36	4 7	3 2	3 2	3 46	1 9	11 57	1 40	18 27	0 42	0 54	1 34	25 45	6 14	12 30	12 50	18 48	0 56	3 14
W 4	14 7	8 5	4 34	15 48	1 55	4 58	4 18	3 3	3 3	3 51	1 9	11 54	1 40	18 28	0 42	0 54	1 34	25 44	6 14	12 26	12 49	18 48	0 57	3 14
T 5	13 47	3 28	3 53	15 8	1 51	5 20	4 28	3 4	3 3	3 55	1 9	11 51	1 40	18 28	0 42	0 55	1 34	25 44	6 14	12 23	12 48	18 47	0 58	3 14
F 6	13 27	1n14	2 59	14 26	1 47	5 40	4 38	3 4	3 4	4 0	1 8	11 49	1 40	18 29	0 42	0 55	1 34	25 44	6 14	12 20	12 46	18 46	0 59	3 14
S 7	13 7	5 43	1 56	13 43	1 43	6 1	4 49	3 5	3 5	4 5	1 8	11 46	1 40	18 30	0 42	0 56	1 34	25 44	6 14	12 18	12 45	18 45	1 0	3 13
S 8	12 46	9 46	0 48	12 58	1 38	6 20	4 59	3 5	3 6	4 10	1 8	11 43	1 40	18 30	0 42	0 56	1 34	25 43	6 14	12 18	12 44	18 45	1 1	3 13
M 9	12 26	13 14	0s20	12 12	1 32	6 39	5 10	3 5	3 6	4 15	1 8	11 41	1 40	18 31	0 42	0 57	1 34	25 43	6 14	12 18	12 43	18 44	1 3	3 13
T 10	12 5	15 59	1 25	11 25	1 26	6 57	5 20	3 4	3 7	4 20	1 8	11 38	1 40	18 32	0 42	0 57	1 34	25 43	6 14	12 18	12 42	18 43	1 4	3 13
W11	11 44	17 58	2 25	10 36	1 19	7 14	5 31	3 3	3 8	4 24	1 7	11 35	1 40	18 32	0 42	0 58	1 34	25 43	6 15	12 18	12 41	18 42	1 5	3 13
T 12	11 23	19 7	3 17	9 46	1 11	7 31	5 41	3 2	3 9	4 29	1 7	11 33	1 41	18 33	0 42	0 59	1 34	25 42	6 15	12 18	12 40	18 42	1 6	3 13
F 13	11 1	19 24	4 1	8 55	1 3	7 46	5 52	3 1	3 9	4 34	1 7	11 30	1 41	18 33	0 42	0 59	1 34	25 42	6 15	12 17	12 39	18 41	1 7	3 13
S 14	10 40	18 49	4 34	8 3	0 54	8 1	6 2	3 0	3 10	4 39	1 7	11 27	1 41	18 34	0 42	1 0	1 34	25 42	6 15	12 15	12 38	18 40	1 9	3 13
S 15	10 18	17 26	4 56	7 11	0 45	8 15	6 12	2 58	3 10	4 44	1 7	11 25	1 41	18 35	0 42	1 0	1 34	25 42	6 15	12 12	12 37	18 39	1 10	3 12
M16	9 56	15 16	5 4	6 18	0 35	8 28	6 22	2 56	3 11	4 49	1 7	11 22	1 41	18 35	0 42	1 1	1 34	25 41	6 15	12 9	12 36	18 39	1 11	3 12
T 17	9 34	12 26	4 59	5 24	0 24	8 39	6 32	2 54	3 11	4 54	1 6	11 19	1 41	18 36	0 42	1 2	1 34	25 41	6 16	12 5	12 35	18 38	1 12	3 12
W18	9 12	9 1	4 41	4 30	0 13	8 50	6 42	2 51	3 12	4 59	1 6	11 17	1 41	18 37	0 42	1 2	1 34	25 41	6 16	12 1	12 33	18 37	1 14	3 12
T 19	8 50	5 9	4 8	3 36	0 2	8 59	6 52	2 48	3 12	5 5	1 6	11 14	1 41	18 37	0 42	1 3	1 34	25 41	6 16	11 58	12 32	18 36	1 15	3 12
F 20	8 27	1 0	3 23	2 43	0n11	9 8	7 1	2 45	3 13	5 10	1 6	11 11	1 41	18 38	0 42	1 3	1 34	25 40	6 16	11 55	12 31	18 36	1 16	3 12
S 21	8 5	3s15	2 27	1 50	0 23	9 15	7 11	2 42	3 13	5 15	1 6	11 9	1 41	18 38	0 42	1 4	1 34	25 40	6 16	11 53	12 30	18 35	1 18	3 12
S 22	7 42	7 25	1 22	0 58	0 36	9 21	7 19	2 38	3 13	5 20	1 6	11 6	1 41	18 39	0 42	1 5	1 35	25 40	6 16	11 52	12 29	18 34	1 19	3 12
M23	7 19	11 17	0 11	0 8	0 49	9 25	7 28	2 35	3 14	5 25	1 6	11 3	1 41	18 39	0 42	1 5	1 35	25 40	6 17	11 51	12 28	18 33	1 20	3 11
T 24	6 56	14 38	1n 1	0n42	1 2	9 28	7 36	2 30	3 14	5 30	1 5	11 1	1 41	18 40	0 42	1 6	1 35	25 40	6 17	11 51	12 27	18 32	1 21	3 11
W25	6 33	17 12	2 11	1 29	1 16	9 30	7 44	2 26	3 14	5 35	1 5	10 58	1 41	18 40	0 42	1 7	1 35	25 39	6 17	11 52	12 26	18 32	1 23	3 11
T 26	6 10	18 49	3 14	2 14	1 29	9 30	7 51	2 21	3 14	5 41	1 5	10 55	1 41	18 41	0 42	1 7	1 35	25 39	6 17	11 52	12 25	18 31	1 24	3 11
F 27	5 47	19 17	4 7	2 57	1 42	9 29	7 57	2 17	3 14	5 46	1 5	10 53	1 41	18 42	0 42	1 8	1 35	25 39	6 17	11 52	12 24	18 30	1 25	3 11
S 28	5 24	18 32	4 45	3 37	1 55	9 26	8 4	2 12	3 14	5 51	1 5	10 50	1 41	18 42	0 42	1 9	1 35	25 39	6 17	11 51	12 23	18 29	1 27	3 11
S 29	5s 1	16s35	5n 6	4n15	2n 8	9n22	8n 9	2s 6	3n14	5n56	1s 5	10s47	1s42	18n42	0n42	1n 9	1n35	25s39	6s18	11s50	12s21	18n28	1n28	3n11

Julian Day Number = 2191530.5, Delta T = 10m43s
Ecliptic obliquity = 23°31'46, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'42, Lahiri = 13°55'42 Julian Calendar 1 Feb. 1288 == Greg. Calendar 8 Feb. 1288

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

MARCH 1288 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 5 51	18♓21'34	7♒11	6♈43	4°R20	12°R35	17♈50	6♓28	9°R 8	0°R43	3♒10	0°R49	2♏22	9♋27	26♓26	M 1
T 2	11 9 48	19°21'10	21°41	7°33	3♈53	12♎19	18° 3	6°35	9♌ 6	0♎41	3°11	0♏42	2°19	9°34	26°29	T 2
W 3	11 13 45	20°20'44	6♓ 6	8°16	3°24	12° 3	18°17	6°43	9° 4	0°39	3°12	0°36	2°15	9°41	26°33	W 3
T 4	11 17 41	21°20'16	20°17	8°51	2°53	11°47	18°30	6°50	9° 3	0°38	3°14	0°30	2°12	9°47	26°37	T 4
F 5	11 21 38	22°19'46	4♈11	9°18	2°20	11°29	18°44	6°57	9° 1	0°36	3°15	0°26	2° 9	9°54	26°40	F 5
S 6	11 25 34	23°19'13	17°43	9°38	1°46	11°12	18°58	7° 4	8°59	0°34	3°16	0°23	2° 6	10° 1	26°44	S 6
S 7	11 29 31	24°18'39	0♉53	9°49	1°11	10°53	19°11	7°11	8°58	0°33	3°18	0°D23	2° 3	10° 8	26°47	S 7
M 8	11 33 27	25°18'02	13°41	9°R53	0°35	10°34	19°25	7°19	8°56	0°31	3°19	0°23	2° 0	10°14	26°51	M 8
T 9	11 37 24	26°17'23	26° 9	9°50	29♓58	10°14	19°39	7°26	8°54	0°30	3°20	0°25	1°56	10°21	26°55	T 9
W10	11 41 20	27°16'42	8♊21	9°39	29°20	9°54	19°53	7°33	8°53	0°28	3°21	0°26	1°53	10°28	26°58	W10
T 11	11 45 17	28°15'58	20°22	9°21	28°43	9°34	20° 7	7°40	8°52	0°26	3°23	0°28	1°50	10°34	27° 2	T 11
F 12	11 49 14	29°15'12	2♋16	8°57	28° 5	9°13	20°20	7°47	8°50	0°25	3°24	0°R28	1°47	10°41	27° 5	F 12
S 13	11 53 10	0♈14'24	14° 7	8°27	27°27	8°52	20°34	7°54	8°49	0°23	3°25	0°27	1°44	10°48	27° 9	S 13
S 14	11 57 7	1°13'34	26° 2	7°52	26°50	8°30	20°48	8° 1	8°47	0°21	3°26	0°25	1°40	10°55	27°13	S 14
M15	12 1 3	2°12'41	8♌ 4	7°12	26°13	8° 8	21° 2	8° 8	8°46	0°20	3°27	0°21	1°37	11° 1	27°16	M15
T 16	12 5 0	3°11'45	20°17	6°29	25°38	7°46	21°16	8°15	8°45	0°18	3°28	0°17	1°34	11° 8	27°20	T 16
W17	12 8 56	4°10'48	2♍44	5°44	25° 3	7°23	21°30	8°22	8°44	0°16	3°29	0°12	1°31	11°15	27°24	W17
T 18	12 12 53	5° 9'48	15°26	4°56	24°30	7° 1	21°44	8°29	8°43	0°15	3°30	0° 8	1°28	11°21	27°27	T 18
F 19	12 16 49	6° 8'46	28°24	4° 8	23°59	6°38	21°58	8°36	8°42	0°13	3°32	0° 5	1°25	11°28	27°31	F 19
S 20	12 20 46	7° 7'42	11♎38	3°21	23°29	6°15	22°13	8°42	8°41	0°11	3°33	0° 3	1°21	11°35	27°34	S 20
S 21	12 24 42	8° 6'36	25° 6	2°34	23° 1	5°52	22°27	8°49	8°40	0°10	3°33	0°D 2	1°18	11°42	27°38	S 21
M22	12 28 39	9° 5'28	8♏47	1°50	22°35	5°29	22°41	8°56	8°39	0° 8	3°34	0° 2	1°15	11°48	27°42	M22
T 23	12 32 36	10° 4'18	22°40	1° 8	22°12	5° 6	22°55	9° 3	8°38	0° 6	3°35	0° 3	1°12	11°55	27°45	T 23
W24	12 36 32	11° 3'07	6♐40	0°30	21°51	4°43	23° 9	9° 9	8°37	0° 5	3°36	0° 4	1° 9	12° 2	27°49	W24
T 25	12 40 29	12° 1'54	20°47	29♓55	21°32	4°20	23°23	9°16	8°36	0° 3	3°37	0° 5	1° 5	12° 8	27°52	T 25
F 26	12 44 25	13° 0'39	4♑58	29°25	21°15	3°58	23°38	9°23	8°36	0° 2	3°38	0° 6	1° 2	12°15	27°56	F 26
S 27	12 48 22	13°59'22	19°11	28°59	21° 1	3°35	23°52	9°29	8°35	29♍59	3°39	0°R 6	0°59	12°22	27°59	S 27
S 28	12 52 18	14°58'03	3♒23	28°39	20°49	3°13	24° 6	9°36	8°34	29°58	3°40	0° 6	0°56	12°29	28° 3	S 28
M29	12 56 15	15°56'43	17°33	28°23	20°40	2°51	24°20	9°42	8°34	29°57	3°40	0° 4	0°53	12°35	28° 6	M29
T 30	13 0 11	16°55'21	1♓37	28°13	20°33	2°30	24°35	9°49	8°33	29°55	3°41	0° 3	0°50	12°42	28°10	T 30
W31	13 4 8	17♈53'58	15♓32	28♓ 7	20♓29	2♎ 8	24♈49	9♓55	8♌33	29♍54	3♒42	0♏ 1	0♏46	12♋49	28♓13	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4s37	13s36	5n 7	4n49	2n20	9n16	8n14	2s 1	3n14	6n 2	1s 5	10s45	1s42	18n43	0n42	1n10	1n35	25s39	6s18	11s48	12s20	18n28	1n30	3n11
T 2	4 14	9 46	4 49	5 19	2 31	9 9	8 18	1 55	3 14	6 7	1 5	10 42	1 42	18 43	0 42	1 11	1 35	25 38	6 18	11 46	12 19	18 27	1 31	3 11
W 3	3 50	5 24	4 12	5 46	2 42	9 0	8 21	1 49	3 13	6 12	1 4	10 39	1 42	18 44	0 42	1 11	1 35	25 38	6 18	11 43	12 18	18 26	1 32	3 11
T 4	3 27	0 48	3 20	6 9	2 52	8 50	8 23	1 43	3 13	6 17	1 4	10 37	1 42	18 44	0 42	1 12	1 35	25 38	6 18	11 41	12 17	18 25	1 34	3 11
F 5	3 3	3n46	2 18	6 28	3 1	8 38	8 25	1 36	3 13	6 23	1 4	10 34	1 42	18 45	0 42	1 12	1 35	25 38	6 19	11 40	12 16	18 24	1 35	3 11
S 6	2 40	8 2	1 8	6 43	3 8	8 25	8 25	1 30	3 12	6 28	1 4	10 32	1 42	18 45	0 42	1 13	1 35	25 38	6 19	11 39	12 15	18 24	1 36	3 10
S 7	2 16	11 47	0s 3	6 54	3 15	8 11	8 25	1 23	3 12	6 33	1 4	10 29	1 42	18 46	0 42	1 14	1 35	25 38	6 19	11 39	12 14	18 23	1 38	3 10
M 8	1 52	14 52	1 12	7 0	3 20	7 56	8 24	1 16	3 11	6 39	1 4	10 26	1 42	18 46	0 42	1 15	1 35	25 38	6 19	11 39	12 13	18 22	1 39	3 10
T 9	1 29	17 10	2 16	7 2	3 24	7 39	8 22	1 9	3 10	6 44	1 4	10 24	1 42	18 46	0 42	1 15	1 35	25 38	6 19	11 40	12 12	18 21	1 40	3 10
W10	1 5	18 37	3 13	7 0	3 27	7 21	8 19	1 2	3 9	6 49	1 4	10 21	1 42	18 47	0 42	1 16	1 35	25 37	6 20	11 40	12 10	18 20	1 42	3 10
T 11	0 42	19 12	4 0	6 53	3 27	7 3	8 15	0 55	3 8	6 55	1 3	10 19	1 43	18 47	0 42	1 17	1 35	25 37	6 20	11 41	12 9	18 19	1 43	3 10
F 12	0 18	18 55	4 36	6 43	3 26	6 43	8 10	0 48	3 7	7 0	1 3	10 16	1 43	18 47	0 42	1 17	1 35	25 37	6 20	11 41	12 8	18 19	1 45	3 10
S 13	0n 6	17 48	5 0	6 29	3 24	6 23	8 4	0 40	3 6	7 5	1 3	10 14	1 43	18 48	0 42	1 18	1 35	25 37	6 20	11 40	12 7	18 18	1 46	3 10
S 14	0 29	15 55	5 12	6 11	3 19	6 2	7 57	0 33	3 5	7 11	1 3	10 11	1 43	18 48	0 42	1 19	1 35	25 37	6 21	11 40	12 6	18 17	1 47	3 10
M15	0 53	13 19	5 10	5 49	3 13	5 40	7 50	0 25	3 4	7 16	1 3	10 8	1 43	18 48	0 42	1 19	1 35	25 37	6 21	11 38	12 5	18 16	1 49	3 10
T 16	1 17	10 7	4 54	5 25	3 6	5 19	7 42	0 18	3 3	7 21	1 3	10 6	1 43	18 49	0 42	1 20	1 35	25 37	6 21	11 37	12 4	18 15	1 50	3 10
W17	1 40	6 26	4 24	4 59	2 56	4 57	7 33	0 10	3 1	7 27	1 3	10 3	1 43	18 49	0 42	1 21	1 35	25 37	6 21	11 35	12 3	18 14	1 52	3 10
T 18	2 4	2 22	3 41	4 30	2 46	4 35	7 23	0 2	3 0	7 32	1 3	10 1	1 43	18 49	0 42	1 21	1 35	25 37	6 21	11 34	12 2	18 14	1 53	3 10
F 19	2 27	1s53	2 45	4 0	2 33	4 13	7 13	0n 5	2 58	7 37	1 3	9 59	1 43	18 50	0 42	1 22	1 35	25 37	6 22	11 33	12 0	18 13	1 54	3 10
S 20	2 50	6 8	1 40	3 29	2 20	3 51	7 2	0 13	2 57	7 43	1 3	9 56	1 44	18 50	0 42	1 22	1 35	25 37	6 22	11 32	11 59	18 12	1 56	3 10
S 21	3 14	10 10	0 27	2 57	2 6	3 30	6 50	0 20	2 55	7 48	1 3	9 54	1 44	18 50	0 42	1 23	1 35	25 37	6 22	11 31	11 58	18 11	1 57	3 10
M22	3 37	13 43	0n48	2 26	1 51	3 9	6 38	0 28	2 53	7 53	1 2	9 51	1 44	18 50	0 42	1 24	1 35	25 37	6 22	11 32	11 57	18 10	1 59	3 10
T 23	4 0	16 33	2 2	1 55	1 35	2 48	6 26	0 35	2 51	7 59	1 2	9 49	1 44	18 50	0 42	1 24	1 35	25 37	6 23	11 32	11 56	18 9	2 0	3 10
W24	4 23	18 24	3 9	1 24	1 19	2 28	6 13	0 43	2 49	8 4	1 2	9 46	1 44	18 51	0 42	1 25	1 35	25 37	6 23	11 32	11 55	18 8	2 1	3 10
T 25	4 46	19 8	4 5	0 56	1 3	2 9	6 0	0 50	2 47	8 9	1 2	9 44	1 44	18 51	0 42	1 26	1 35	25 37	6 23	11 33	11 54	18 7	2 3	3 10
F 26	5 9	18 40	4 46	0 29	0 47	1 50	5 47	0 57	2 45	8 15	1 2	9 42	1 44	18 51	0 41	1 26	1 35	25 37	6 23	11 33	11 53	18 7	2 4	3 10
S 27	5 32	17 2	5 10	0 3	0 30	1 32	5 34	1 4	2 43	8 20	1 2	9 39	1 45	18 51	0 41	1 27	1 35	25 37	6 23	11 33	11 52	18 6	2 6	3 10
S 28	5 55	14 21	5 15	0s20	0 14	1 15	5 20	1 11	2 41	8 25	1 2	9 37	1 45	18 51	0 41	1 28	1 35	25 37	6 24	11 33	11 51	18 5	2 7	3 10
M29	6 18	10 51	5 1	0 40	0s 2	0 59	5 7	1 17	2 39	8 31	1 2	9 35	1 45	18 51	0 41	1 28	1 35	25 37	6 24	11 32	11 49	18 4	2 8	3 10
T 30	6 40	6 45	4 29	0 58	0 17	0 44	4 53	1 24	2 36	8 36	1 2	9 32	1 45	18 51	0 41	1 29	1 35	25 37	6 24	11 32	11 48	18 3	2 10	3 10
W31	7n 3	2s19	3n42	1s14	0s32	0n30	4n40	1n30	2n34	8n41	1s 2	9s30	1s45	18n52	0n41	1n29	1n35	25s37	6s24	11s31	11s47	18n 2	2n11	3n10

Julian Day Number = 2191559.5, Delta T = 10m43s
Ecliptic obliquity = 23°31'47, Nutation = 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'46, Lahiri = 13°55'46 Julian Calendar 1 March 1288 == Greg. Calendar 8 March 1288

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

APRIL 1288 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 8 5	18♈52'32	29♓16	28°D 7	20°D27	1°R48	25♈ 3	10♓ 1	8°R32	29°R52	3♒43	29°R59	0♏43	12♋55	28♓17	T 1
F 2	13 12 1	19°51'05	12♈45	28♓12	20♓27	1♎27	25°18	10° 8	8♌32	29♍51	3°43	29♎59	0°40	13° 2	28°20	F 2
S 3	13 15 58	20°49'36	25°59	28°22	20°30	1° 7	25°32	10°14	8°32	29°49	3°44	29°D58	0°37	13° 9	28°23	S 3
S 4	13 19 54	21°48'05	8♉55	28°37	20°35	0°48	25°46	10°20	8°31	29°48	3°45	29°59	0°34	13°16	28°27	S 4
M 5	13 23 51	22°46'32	21°35	28°57	20°42	0°29	26° 1	10°26	8°31	29°46	3°45	29°59	0°31	13°22	28°30	M 5
T 6	13 27 47	23°44'57	4♊ 0	29°21	20°52	0°11	26°15	10°32	8°31	29°45	3°46	29°59	0°27	13°29	28°34	T 6
W 7	13 31 44	24°43'19	16°11	29°49	21° 4	29♍54	26°29	10°38	8°31	29°43	3°46	0♏ 0	0°24	13°36	28°37	W 7
T 8	13 35 40	25°41'40	28°12	0♈22	21°17	29°37	26°44	10°44	8°D31	29°42	3°47	0° 1	0°21	13°42	28°40	T 8
F 9	13 39 37	26°39'59	10♋ 7	0°58	21°33	29°20	26°58	10°50	8°31	29°40	3°47	0° 1	0°18	13°49	28°44	F 9
S 10	13 43 34	27°38'16	22° 0	1°39	21°50	29° 5	27°12	10°56	8°31	29°39	3°48	0° 1	0°15	13°56	28°47	S 10
S 11	13 47 30	28°36'31	3♌55	2°23	22°10	28°50	27°27	11° 2	8°31	29°37	3°48	0°R 1	0°11	14° 3	28°50	S 11
M12	13 51 27	29°34'43	15°57	3°10	22°31	28°36	27°41	11° 8	8°31	29°36	3°49	0°D 1	0° 8	14° 9	28°53	M12
T 13	13 55 23	0♉32'54	28°11	4° 1	22°54	28°23	27°55	11°13	8°32	29°35	3°49	0° 1	0° 5	14°16	28°57	T 13
W14	13 59 20	1°31'02	10♍40	4°55	23°19	28°10	28°10	11°19	8°32	29°33	3°49	0° 1	0° 2	14°23	29° 0	W14
T 15	14 3 16	2°29'09	23°28	5°53	23°45	27°58	28°24	11°24	8°32	29°32	3°50	0° 2	29♎59	14°30	29° 3	T 15
F 16	14 7 13	3°27'13	6♎37	6°53	24°13	27°47	28°38	11°30	8°33	29°31	3°50	0° 2	29°56	14°36	29° 6	F 16
S 17	14 11 9	4°25'16	20° 6	7°56	24°43	27°37	28°53	11°35	8°33	29°29	3°50	0° 2	29°52	14°43	29° 9	S 17
S 18	14 15 6	5°23'17	3♏56	9° 2	25°14	27°27	29° 7	11°41	8°34	29°28	3°51	0°R 2	29°49	14°50	29°12	S 18
M19	14 19 2	6°21'17	18° 3	10°11	25°46	27°19	29°21	11°46	8°34	29°27	3°51	0° 2	29°46	14°56	29°15	M19
T 20	14 22 59	7°19'14	2♐23	11°22	26°20	27°11	29°35	11°51	8°35	29°26	3°51	0° 1	29°43	15° 3	29°18	T 20
W21	14 26 56	8°17'11	16°51	12°36	26°55	27° 4	29°50	11°56	8°36	29°24	3°51	0° 0	29°40	15°10	29°21	W21
T 22	14 30 52	9°15'06	1♑22	13°52	27°31	26°57	0♉ 4	12° 2	8°36	29°23	3°51	29♎59	29°36	15°17	29°24	T 22
F 23	14 34 49	10°13'00	15°50	15°11	28° 9	26°52	0°18	12° 7	8°37	29°22	3°52	29°58	29°33	15°23	29°27	F 23
S 24	14 38 45	11°10'52	0♒12	16°32	28°47	26°47	0°32	12°12	8°38	29°21	3°52	29°58	29°30	15°30	29°30	S 24
S 25	14 42 42	12° 8'44	14°23	17°55	29°27	26°43	0°46	12°16	8°39	29°20	3°52	29°D58	29°27	15°37	29°33	S 25
M26	14 46 38	13° 6'34	28°21	19°21	0♈ 8	26°40	1° 1	12°21	8°40	29°19	3°52	29°58	29°24	15°43	29°36	M26
T 27	14 50 35	14° 4'22	12♓ 7	20°49	0°50	26°38	1°15	12°26	8°41	29°18	3°R52	29°59	29°21	15°50	29°39	T 27
W28	14 54 31	15° 2'10	25°38	22°19	1°33	26°36	1°29	12°31	8°42	29°16	3°52	0♏ 0	29°17	15°57	29°41	W28
T 29	14 58 28	15°59'56	8♈56	23°52	2°17	26°35	1°43	12°35	8°43	29°15	3°52	0° 1	29°14	16° 4	29°44	T 29
F 30	15 2 25	16♉57'41	22♈ 0	25♈27	3♈ 1	26°D35	1♉57	12♓40	8♌44	29♍14	3♒52	0♏ 2	29♎11	16♋10	29♓47	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n25	2n11	2n42	1s27	0s46	0n17	4n26	1n36	2n32	8n47	1s 2	9s28	1s45	18n52	0n41	1n30	1n35	25s37	6s25	11s31	11s46	18n 1	2n13	3n10
F 2	7 47	6 30	1 34	1 38	1 0	0 5	4 13	1 42	2 29	8 52	1 2	9 26	1 45	18 52	0 41	1 31	1 35	25 37	6 25	11 30	11 45	18 0	2 14	3 10
S 3	8 10	10 25	0 22	1 45	1 13	0s 6	4 0	1 48	2 27	8 57	1 2	9 23	1 46	18 52	0 41	1 31	1 35	25 37	6 25	11 30	11 44	17 59	2 15	3 10
S 4	8 32	13 45	0s49	1 51	1 25	0 16	3 47	1 53	2 24	9 2	1 2	9 21	1 46	18 52	0 41	1 32	1 35	25 37	6 25	11 30	11 43	17 59	2 17	3 10
M 5	8 53	16 21	1 57	1 54	1 36	0 26	3 34	1 58	2 22	9 8	1 2	9 19	1 46	18 52	0 41	1 32	1 35	25 38	6 26	11 30	11 42	17 58	2 18	3 10
T 6	9 15	18 7	2 58	1 54	1 47	0 34	3 21	2 3	2 19	9 13	1 1	9 17	1 46	18 52	0 41	1 33	1 35	25 38	6 26	11 31	11 40	17 57	2 19	3 10
W 7	9 37	19 1	3 49	1 52	1 57	0 41	3 8	2 8	2 16	9 18	1 1	9 15	1 46	18 52	0 41	1 34	1 35	25 38	6 26	11 31	11 39	17 56	2 21	3 10
T 8	9 58	19 1	4 30	1 47	2 6	0 47	2 56	2 12	2 14	9 23	1 1	9 13	1 46	18 52	0 41	1 34	1 35	25 38	6 26	11 31	11 38	17 55	2 22	3 10
F 9	10 19	18 11	4 58	1 40	2 15	0 52	2 43	2 16	2 11	9 29	1 1	9 10	1 47	18 52	0 41	1 35	1 35	25 38	6 27	11 31	11 37	17 54	2 23	3 10
S 10	10 40	16 33	5 14	1 31	2 22	0 56	2 31	2 20	2 8	9 34	1 1	9 8	1 47	18 52	0 41	1 35	1 35	25 38	6 27	11 31	11 36	17 53	2 25	3 10
S 11	11 1	14 13	5 16	1 20	2 29	0 59	2 20	2 23	2 6	9 39	1 1	9 6	1 47	18 52	0 41	1 36	1 35	25 38	6 27	11 31	11 35	17 52	2 26	3 10
M12	11 22	11 15	5 5	1 7	2 36	1 1	2 8	2 26	2 3	9 44	1 1	9 4	1 47	18 51	0 41	1 36	1 35	25 38	6 27	11 31	11 34	17 51	2 27	3 10
T 13	11 42	7 46	4 40	0 52	2 41	1 2	1 57	2 29	2 0	9 49	1 1	9 2	1 47	18 51	0 41	1 37	1 35	25 38	6 28	11 31	11 33	17 50	2 29	3 10
W14	12 3	3 53	4 1	0 35	2 46	1 3	1 46	2 31	1 57	9 55	1 1	9 0	1 48	18 51	0 41	1 37	1 35	25 39	6 28	11 31	11 32	17 49	2 30	3 10
T 15	12 23	0s18	3 9	0 16	2 50	1 2	1 35	2 34	1 55	10 0	1 1	8 58	1 48	18 51	0 41	1 38	1 35	25 39	6 28	11 31	11 30	17 48	2 31	3 10
F 16	12 43	4 34	2 6	0n 5	2 53	1 1	1 24	2 36	1 52	10 5	1 1	8 56	1 48	18 51	0 41	1 38	1 35	25 39	6 28	11 31	11 29	17 47	2 32	3 10
S 17	13 3	8 44	0 55	0 28	2 56	0 59	1 14	2 37	1 49	10 10	1 1	8 54	1 48	18 51	0 41	1 39	1 35	25 39	6 29	11 32	11 28	17 47	2 34	3 10
S 18	13 22	12 32	0n22	0 52	2 58	0 55	1 4	2 38	1 46	10 15	1 1	8 53	1 48	18 51	0 41	1 39	1 35	25 39	6 29	11 32	11 27	17 46	2 35	3 10
M19	13 41	15 42	1 38	1 18	3 0	0 52	0 54	2 39	1 44	10 20	1 1	8 51	1 48	18 51	0 41	1 40	1 35	25 40	6 29	11 31	11 26	17 45	2 36	3 10
T 20	14 0	17 56	2 50	1 45	3 0	0 47	0 45	2 40	1 41	10 25	1 1	8 49	1 49	18 50	0 41	1 40	1 34	25 40	6 29	11 31	11 25	17 44	2 37	3 10
W21	14 19	19 2	3 51	2 14	3 0	0 41	0 35	2 40	1 38	10 30	1 1	8 47	1 49	18 50	0 41	1 41	1 34	25 40	6 30	11 31	11 24	17 43	2 39	3 10
T 22	14 38	18 53	4 38	2 44	3 0	0 35	0 26	2 40	1 35	10 35	1 1	8 45	1 49	18 50	0 41	1 41	1 34	25 40	6 30	11 31	11 23	17 42	2 40	3 10
F 23	14 56	17 30	5 7	3 15	2 59	0 28	0 18	2 40	1 33	10 40	1 1	8 44	1 49	18 50	0 41	1 42	1 34	25 40	6 30	11 30	11 21	17 41	2 41	3 10
S 24	15 14	15 2	5 16	3 48	2 57	0 21	0 9	2 39	1 30	10 45	1 1	8 42	1 49	18 49	0 41	1 42	1 34	25 41	6 30	11 30	11 20	17 40	2 42	3 10
S 25	15 32	11 41	5 7	4 22	2 54	0 12	0 1	2 39	1 27	10 50	1 1	8 40	1 50	18 49	0 41	1 43	1 34	25 41	6 31	11 30	11 19	17 39	2 44	3 10
M26	15 50	7 44	4 39	4 58	2 51	0 3	0s 7	2 37	1 25	10 55	1 1	8 38	1 50	18 49	0 40	1 43	1 34	25 41	6 31	11 30	11 18	17 38	2 45	3 10
T 27	16 7	3 25	3 55	5 34	2 48	0n 6	0 15	2 36	1 22	11 0	1 1	8 37	1 50	18 49	0 40	1 43	1 34	25 41	6 31	11 30	11 17	17 37	2 46	3 10
W28	16 24	1n 0	2 59	6 11	2 44	0 16	0 23	2 34	1 19	11 5	1 1	8 35	1 50	18 48	0 40	1 44	1 34	25 42	6 31	11 31	11 16	17 36	2 47	3 10
T 29	16 41	5 18	1 54	6 50	2 39	0 27	0 30	2 32	1 17	11 10	1 1	8 34	1 50	18 48	0 40	1 44	1 34	25 42	6 32	11 31	11 15	17 35	2 48	3 10
F 30	16n58	9n17	0n44	7n29	2s34	0n39	0s37	2n30	1n14	11n15	1s 1	8s32	1s51	18n48	0n40	1n45	1n34	25s42	6s32	11s32	11s14	17n34	2n49	3n10

Julian Day Number = 2191590.5, Delta T = 10m43s
Ecliptic obliquity = 23°31'47, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'50, Lahiri = 13°55'51 Julian Calendar 1 Apr. 1288 == Greg. Calendar 8 Apr. 1288

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

MAY 1288 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 6 21	17♉55'25	4♉52	27♈ 3	3♈47	26♍36	2♉11	12♓44	8♌45	29°R13	3°R52	0°R 2	29♎ 8	16♋17	29♓50	S 1
S 2	15 10 18	18°53'08	17°30	28°43	4°33	26°38	2°25	12°49	8°46	29♍13	3♒51	0♏ 1	29° 5	16°24	29°52	S 2
M 3	15 14 14	19°50'49	29°57	0♉24	5°21	26°40	2°39	12°53	8°48	29°12	3°51	29♎59	29° 2	16°30	29°55	M 3
T 4	15 18 11	20°48'29	12♊13	2° 7	6° 9	26°43	2°53	12°57	8°49	29°11	3°51	29°57	28°58	16°37	29°57	T 4
W 5	15 22 7	21°46'08	24°19	3°53	6°57	26°47	3° 7	13° 1	8°50	29°10	3°51	29°53	28°55	16°44	29°59	W 5
T 6	15 26 4	22°43'45	6♋18	5°41	7°47	26°51	3°21	13° 6	8°52	29° 9	3°51	29°50	28°52	16°51	0♈ 2	T 6
F 7	15 30 0	23°41'21	18°12	7°31	8°37	26°57	3°35	13°10	8°53	29° 8	3°50	29°46	28°49	16°57	0° 5	F 7
S 8	15 33 57	24°38'56	0♌ 4	9°23	9°28	27° 3	3°49	13°13	8°55	29° 7	3°50	29°43	28°46	17° 4	0° 7	S 8
S 9	15 37 54	25°36'29	11°58	11°17	10°19	27° 9	4° 2	13°17	8°57	29° 7	3°50	29°41	28°42	17°11	0°10	S 9
M10	15 41 50	26°34'00	23°59	13°13	11°11	27°17	4°16	13°21	8°58	29° 6	3°50	29°D41	28°39	17°18	0°12	M10
T 11	15 45 47	27°31'30	6♍10	15°12	12° 4	27°25	4°30	13°25	9° 0	29° 5	3°49	29°41	28°36	17°24	0°14	T 11
W12	15 49 43	28°28'59	18°38	17°12	12°57	27°33	4°43	13°28	9° 2	29° 5	3°49	29°42	28°33	17°31	0°17	W12
T 13	15 53 40	29°26'26	1♎25	19°15	13°51	27°43	4°57	13°32	9° 3	29° 4	3°48	29°44	28°30	17°38	0°19	T 13
F 14	15 57 36	0♊23'53	14°35	21°19	14°45	27°53	5°11	13°35	9° 5	29° 3	3°48	29°45	28°27	17°44	0°21	F 14
S 15	16 1 33	1°21'18	28°11	23°24	15°40	28° 3	5°24	13°38	9° 7	29° 3	3°47	29°R46	28°23	17°51	0°23	S 15
S 16	16 5 29	2°18'41	12♏13	25°32	16°35	28°14	5°38	13°42	9° 9	29° 2	3°47	29°45	28°20	17°58	0°25	S 16
M17	16 9 26	3°16'04	26°38	27°40	17°31	28°26	5°51	13°45	9°11	29° 2	3°46	29°43	28°17	18° 5	0°27	M17
T 18	16 13 23	4°13'26	11♐21	29°50	18°27	28°39	6° 5	13°48	9°13	29° 1	3°46	29°40	28°14	18°11	0°29	T 18
W19	16 17 19	5°10'47	26°15	2♑ 1	19°24	28°52	6°18	13°51	9°15	29° 1	3°45	29°35	28°11	18°18	0°31	W19
T 20	16 21 16	6° 8'08	11♑12	4°13	20°21	29° 5	6°31	13°54	9°17	29° 0	3°45	29°30	28° 8	18°25	0°33	T 20
F 21	16 25 12	7° 5'28	26° 3	6°24	21°18	29°20	6°45	13°56	9°19	29° 0	3°44	29°25	28° 4	18°31	0°35	F 21
S 22	16 29 9	8° 2'47	10♒41	8°36	22°16	29°34	6°58	13°59	9°21	28°59	3°44	29°21	28° 1	18°38	0°37	S 22
S 23	16 33 5	9° 0'05	25° 0	10°48	23°15	29°49	7°11	14° 2	9°24	28°59	3°43	29°18	27°58	18°45	0°39	S 23
M24	16 37 2	9°57'24	8♓59	13° 0	24°13	0♎ 5	7°24	14° 4	9°26	28°59	3°42	29°D18	27°55	18°52	0°40	M24
T 25	16 40 58	10°54'41	22°37	15°11	25°12	0°22	7°37	14° 7	9°28	28°59	3°42	29°18	27°52	18°58	0°42	T 25
W26	16 44 55	11°51'59	5♈55	17°20	26°12	0°38	7°50	14° 9	9°31	28°58	3°41	29°19	27°48	19° 5	0°44	W26
T 27	16 48 52	12°49'16	18°56	19°29	27°12	0°56	8° 3	14°11	9°33	28°58	3°40	29°21	27°45	19°12	0°45	T 27
F 28	16 52 48	13°46'32	1♉41	21°37	28°12	1°13	8°16	14°13	9°35	28°58	3°39	29°R21	27°42	19°19	0°47	F 28
S 29	16 56 45	14°43'48	14°13	23°43	29°12	1°32	8°29	14°15	9°38	28°58	3°39	29°20	27°39	19°25	0°48	S 29
S 30	17 0 41	15°41'04	26°35	25°47	0♉13	1°51	8°42	14°17	9°40	28°58	3°38	29°17	27°36	19°32	0°50	S 30
M31	17 4 38	16♊38'20	8♊48	27♊49	1♉14	2♎10	8♉54	14♓19	9♌43	28♍58	3♒37	29♎11	27♎33	19♋39	0♈51	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n14	12n46	0s27	8n10	2s28	0n50	0s44	2n27	1n12	11n20	1s 1	8s31	1s51	18n47	0n40	1n45	1n34	25s42	6s32	11s32	11s12	17n33	2n51	3n11
S 2	17 30	15 36	1 35	8 51	2 22	1 3	0 50	2 24	1 9	11 24	1 1	8 29	1 51	18 47	0 40	1 45	1 34	25 43	6 32	11 31	11 11	17 32	2 52	3 11
M 3	17 46	17 39	2 38	9 33	2 15	1 16	0 57	2 21	1 7	11 29	1 1	8 28	1 51	18 47	0 40	1 46	1 34	25 43	6 33	11 31	11 10	17 31	2 53	3 11
T 4	18 1	18 51	3 32	10 16	2 8	1 29	1 3	2 17	1 4	11 34	1 1	8 26	1 52	18 46	0 40	1 46	1 34	25 43	6 33	11 30	11 9	17 30	2 54	3 11
W 5	18 17	19 9	4 16	10 59	2 0	1 43	1 9	2 14	1 2	11 39	1 1	8 25	1 52	18 46	0 40	1 46	1 34	25 43	6 33	11 29	11 8	17 29	2 55	3 11
T 6	18 31	18 35	4 48	11 43	1 52	1 57	1 15	2 10	0 59	11 44	1 1	8 23	1 52	18 45	0 40	1 47	1 34	25 44	6 33	11 27	11 7	17 28	2 56	3 11
F 7	18 46	17 13	5 7	12 27	1 43	2 12	1 20	2 5	0 57	11 48	1 1	8 22	1 52	18 45	0 40	1 47	1 34	25 44	6 34	11 26	11 6	17 27	2 57	3 11
S 8	19 0	15 6	5 14	13 11	1 34	2 27	1 26	2 1	0 54	11 53	1 1	8 21	1 52	18 44	0 40	1 47	1 34	25 44	6 34	11 25	11 4	17 26	2 58	3 11
S 9	19 14	12 21	5 7	13 56	1 24	2 43	1 31	1 56	0 52	11 58	1 1	8 20	1 53	18 44	0 40	1 47	1 34	25 45	6 34	11 24	11 3	17 25	2 59	3 11
M10	19 28	9 5	4 46	14 41	1 15	2 59	1 36	1 51	0 50	12 2	1 1	8 18	1 53	18 44	0 40	1 48	1 34	25 45	6 34	11 24	11 2	17 24	3 0	3 11
T 11	19 41	5 22	4 13	15 25	1 5	3 15	1 40	1 46	0 48	12 7	1 1	8 17	1 53	18 43	0 40	1 48	1 34	25 45	6 35	11 24	11 1	17 23	3 1	3 11
W12	19 54	1 21	3 26	16 10	0 54	3 31	1 45	1 40	0 45	12 11	1 1	8 16	1 53	18 43	0 40	1 48	1 34	25 46	6 35	11 24	11 0	17 22	3 2	3 11
T 13	20 6	2s50	2 29	16 54	0 44	3 48	1 49	1 34	0 43	12 16	1 1	8 15	1 54	18 42	0 40	1 48	1 34	25 46	6 35	11 25	10 59	17 21	3 3	3 11
F 14	20 19	7 2	1 22	17 37	0 33	4 6	1 53	1 28	0 41	12 20	1 1	8 14	1 54	18 42	0 40	1 49	1 34	25 46	6 35	11 26	10 58	17 20	3 4	3 12
S 15	20 31	11 0	0 9	18 20	0 23	4 23	1 57	1 22	0 39	12 25	1 1	8 13	1 54	18 41	0 40	1 49	1 34	25 47	6 36	11 26	10 57	17 19	3 5	3 12
S 16	20 42	14 29	1n 8	19 1	0 12	4 41	2 1	1 16	0 37	12 29	1 1	8 12	1 54	18 41	0 40	1 49	1 34	25 47	6 36	11 26	10 55	17 18	3 6	3 12
M17	20 53	17 11	2 21	19 42	0 1	4 59	2 5	1 9	0 34	12 34	1 1	8 11	1 55	18 40	0 40	1 49	1 34	25 47	6 36	11 25	10 54	17 17	3 7	3 12
T 18	21 4	18 48	3 27	20 21	0n10	5 17	2 8	1 2	0 32	12 38	1 1	8 10	1 55	18 39	0 40	1 49	1 34	25 48	6 36	11 24	10 53	17 16	3 8	3 12
W19	21 15	19 9	4 20	20 58	0 20	5 36	2 11	0 55	0 30	12 43	1 1	8 9	1 55	18 39	0 40	1 49	1 33	25 48	6 37	11 22	10 52	17 15	3 8	3 12
T 20	21 25	18 9	4 55	21 34	0 30	5 54	2 14	0 48	0 28	12 47	1 1	8 8	1 55	18 38	0 40	1 50	1 33	25 48	6 37	11 20	10 51	17 14	3 9	3 12
F 21	21 35	15 56	5 10	22 7	0 40	6 13	2 17	0 40	0 26	12 51	1 1	8 7	1 56	18 38	0 40	1 50	1 33	25 49	6 37	11 18	10 50	17 13	3 10	3 12
S 22	21 44	12 44	5 5	22 38	0 50	6 32	2 20	0 33	0 24	12 56	1 1	8 6	1 56	18 37	0 40	1 50	1 33	25 49	6 37	11 17	10 49	17 12	3 11	3 12
S 23	21 53	8 50	4 40	23 7	0 59	6 52	2 22	0 25	0 22	13 0	1 1	8 5	1 56	18 36	0 40	1 50	1 33	25 49	6 37	11 16	10 47	17 11	3 12	3 12
M24	22 2	4 32	3 59	23 34	1 8	7 11	2 25	0 17	0 20	13 4	1 1	8 5	1 56	18 36	0 40	1 50	1 33	25 50	6 38	11 16	10 46	17 10	3 13	3 12
T 25	22 10	0 6	3 6	23 57	1 16	7 30	2 27	0 8	0 19	13 8	1 1	8 4	1 57	18 35	0 40	1 50	1 33	25 50	6 38	11 16	10 45	17 9	3 13	3 13
W26	22 18	4n15	2 4	24 18	1 23	7 50	2 29	0s 0	0 17	13 13	1 1	8 3	1 57	18 35	0 40	1 50	1 33	25 51	6 38	11 16	10 44	17 8	3 14	3 13
T 27	22 25	8 18	0 56	24 36	1 30	8 10	2 31	0 9	0 15	13 17	1 1	8 3	1 57	18 34	0 40	1 50	1 33	25 51	6 38	11 17	10 43	17 7	3 15	3 13
F 28	22 32	11 54	0s13	24 52	1 36	8 30	2 33	0 17	0 13	13 21	1 1	8 2	1 57	18 33	0 40	1 50	1 33	25 51	6 39	11 17	10 42	17 6	3 16	3 13
S 29	22 39	14 54	1 20	25 4	1 41	8 49	2 34	0 26	0 11	13 25	1 1	8 2	1 58	18 32	0 40	1 50	1 33	25 52	6 39	11 17	10 41	17 5	3 16	3 13
S 30	22 45	17 10	2 22	25 14	1 46	9 9	2 36	0 35	0 9	13 29	1 1	8 1	1 58	18 32	0 40	1 50	1 33	25 52	6 39	11 15	10 39	17 3	3 17	3 13
M31	22n51	18n37	3s16	25n21	1n50	9n29	2s37	0s45	0n 8	13n33	1s 1	8s 1	1s58	18n31	0n40	1n50	1n33	25s53	6s39	11s14	10s38	17n 2	3n18	3n13

Julian Day Number = 2191620.5, Delta T = 10m42s
Ecliptic obliquity = 23°31'46, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'54, Lahiri = 13°55'55 Julian Calendar 1 May 1288 == Greg. Calendar 8 May 1288

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

JUNE 1288 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 8 34	17♊35'35	20♊53	29♊50	2♉15	2♎30	9♉ 7	14♓21	9♌46	28°R57	3°R36	29°R 4	27♎29	19♋45	0♈53	T 1
W 2	17 12 31	18°32'50	2♋53	1♋48	3°17	2°50	9°20	14°22	9°48	28°D57	3♒35	28♎55	27°26	19°52	0°54	W 2
T 3	17 16 28	19°30'04	14°48	3°45	4°19	3°10	9°32	14°24	9°51	28♍57	3°34	28°46	27°23	19°59	0°55	T 3
F 4	17 20 24	20°27'17	26°40	5°39	5°21	3°31	9°45	14°25	9°54	28°58	3°33	28°36	27°20	20° 6	0°56	F 4
S 5	17 24 21	21°24'30	8♌31	7°31	6°23	3°53	9°57	14°27	9°56	28°58	3°33	28°28	27°17	20°12	0°57	S 5
S 6	17 28 17	22°21'43	20°25	9°21	7°26	4°15	10° 9	14°28	9°59	28°58	3°32	28°22	27°14	20°19	0°59	S 6
M 7	17 32 14	23°18'55	2♍24	11° 9	8°29	4°37	10°22	14°29	10° 2	28°58	3°31	28°17	27°10	20°26	1° 0	M 7
T 8	17 36 10	24°16'06	14°34	12°55	9°32	5° 0	10°34	14°30	10° 5	28°58	3°30	28°15	27° 7	20°32	1° 1	T 8
W 9	17 40 7	25°13'17	26°58	14°38	10°35	5°23	10°46	14°31	10° 8	28°58	3°29	28°D14	27° 4	20°39	1° 2	W 9
T 10	17 44 3	26°10'28	9♎41	16°19	11°39	5°46	10°58	14°32	10°10	28°58	3°28	28°15	27° 1	20°46	1° 2	T 10
F 11	17 48 0	27° 7'38	22°47	17°58	12°43	6°10	11°10	14°33	10°13	28°59	3°27	28°R16	26°58	20°53	1° 3	F 11
S 12	17 51 56	28° 4'48	6♏21	19°35	13°47	6°35	11°22	14°33	10°16	28°59	3°26	28°15	26°54	20°59	1° 4	S 12
S 13	17 55 53	29° 1'57	20°23	21°10	14°51	6°59	11°33	14°34	10°19	28°59	3°25	28°14	26°51	21° 6	1° 5	S 13
M14	17 59 50	29°59'06	4♐53	22°42	15°55	7°24	11°45	14°34	10°22	29° 0	3°23	28° 9	26°48	21°13	1° 6	M14
T 15	18 3 46	0♋56'15	19°47	24°12	17° 0	7°49	11°57	14°35	10°25	29° 0	3°22	28° 3	26°45	21°20	1° 6	T 15
W16	18 7 43	1°53'24	4♑57	25°39	18° 5	8°15	12° 8	14°35	10°28	29° 1	3°21	27°55	26°42	21°26	1° 7	W16
T 17	18 11 39	2°50'33	20°12	27° 5	19°10	8°41	12°20	14°35	10°32	29° 1	3°20	27°45	26°39	21°33	1° 7	T 17
F 18	18 15 36	3°47'43	5♒23	28°28	20°15	9° 7	12°31	14°R35	10°35	29° 2	3°19	27°36	26°35	21°40	1° 8	F 18
S 19	18 19 32	4°44'52	20°18	29°48	21°20	9°34	12°42	14°35	10°38	29° 2	3°18	27°29	26°32	21°46	1° 8	S 19
S 20	18 23 29	5°42'02	4♓51	1♌ 6	22°26	10° 1	12°54	14°35	10°41	29° 3	3°17	27°23	26°29	21°53	1° 9	S 20
M21	18 27 26	6°39'12	18°58	2°22	23°31	10°28	13° 5	14°35	10°44	29° 3	3°15	27°20	26°26	22° 0	1° 9	M21
T 22	18 31 22	7°36'23	2♈38	3°35	24°37	10°56	13°16	14°34	10°48	29° 4	3°14	27°D19	26°23	22° 7	1° 9	T 22
W23	18 35 19	8°33'34	15°53	4°46	25°43	11°24	13°27	14°34	10°51	29° 4	3°13	27°19	26°20	22°13	1° 9	W23
T 24	18 39 15	9°30'46	28°46	5°54	26°50	11°52	13°37	14°33	10°54	29° 5	3°12	27°R19	26°16	22°20	1°10	T 24
F 25	18 43 12	10°27'58	11♉21	6°59	27°56	12°20	13°48	14°33	10°57	29° 6	3°11	27°18	26°13	22°27	1°10	F 25
S 26	18 47 8	11°25'11	23°41	8° 1	29° 2	12°49	13°59	14°32	11° 1	29° 7	3° 9	27°15	26°10	22°34	1°10	S 26
S 27	18 51 5	12°22'24	5♊52	9° 1	0♊ 9	13°18	14° 9	14°31	11° 4	29° 7	3° 8	27°10	26° 7	22°40	1°R10	S 27
M28	18 55 1	13°19'39	17°54	9°57	1°16	13°47	14°20	14°30	11° 8	29° 8	3° 7	27° 2	26° 4	22°47	1°10	M28
T 29	18 58 58	14°16'53	29°52	10°50	2°23	14°17	14°30	14°29	11°11	29° 9	3° 6	26°51	26° 0	22°54	1°10	T 29
W30	19 2 55	15♋14'08	11♋46	11♌40	3♊30	14♎47	14♉40	14♓28	11♌14	29♍10	3♒ 4	26♎39	25♎57	23♋ 0	1♈ 9	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n57	19n12	4s 1	25n25	1n53	9n49	2s38	0s54	0n 6	13n37	1s 1	8s 0	1s58	18n30	0n39	1n50	1n33	25s53	6s39	11s11	10s37	17n 1	3n18	3n13
W 2	23 2	18 55	4 35	25 27	1 56	10 9	2 39	1 4	0 4	13 41	1 1	8 0	1 59	18 30	0 39	1 50	1 33	25 53	6 40	11 8	10 36	17 0	3 19	3 13
T 3	23 7	17 47	4 57	25 26	1 58	10 29	2 40	1 14	0 3	13 45	1 2	7 59	1 59	18 29	0 39	1 50	1 33	25 54	6 40	11 4	10 35	16 59	3 19	3 14
F 4	23 11	15 54	5 6	25 23	1 59	10 49	2 41	1 23	0 1	13 49	1 2	7 59	1 59	18 28	0 39	1 50	1 33	25 54	6 40	11 1	10 34	16 58	3 20	3 14
S 5	23 15	13 21	5 1	25 18	1 59	11 9	2 42	1 34	0s 1	13 53	1 2	7 59	1 59	18 27	0 39	1 50	1 33	25 55	6 40	10 58	10 33	16 57	3 21	3 14
S 6	23 18	10 15	4 44	25 10	1 59	11 29	2 42	1 44	0 2	13 57	1 2	7 59	2 0	18 27	0 39	1 50	1 33	25 55	6 40	10 56	10 31	16 56	3 21	3 14
M 7	23 22	6 42	4 14	25 1	1 58	11 49	2 43	1 54	0 4	14 0	1 2	7 58	2 0	18 26	0 39	1 50	1 33	25 56	6 41	10 54	10 30	16 55	3 22	3 14
T 8	23 24	2 50	3 32	24 49	1 56	12 9	2 43	2 5	0 5	14 4	1 2	7 58	2 0	18 25	0 39	1 50	1 33	25 56	6 41	10 53	10 29	16 54	3 22	3 14
W 9	23 27	1s13	2 39	24 36	1 53	12 29	2 43	2 15	0 7	14 8	1 2	7 58	2 0	18 24	0 39	1 50	1 33	25 56	6 41	10 53	10 28	16 53	3 23	3 14
T 10	23 28	5 21	1 38	24 21	1 50	12 48	2 43	2 26	0 8	14 11	1 2	7 58	2 1	18 23	0 39	1 49	1 33	25 57	6 41	10 53	10 27	16 52	3 23	3 14
F 11	23 30	9 21	0 29	24 5	1 47	13 8	2 43	2 37	0 10	14 15	1 2	7 58	2 1	18 23	0 39	1 49	1 32	25 57	6 41	10 54	10 26	16 51	3 24	3 14
S 12	23 31	13 1	0n43	23 47	1 42	13 27	2 42	2 48	0 11	14 19	1 2	7 58	2 1	18 22	0 39	1 49	1 32	25 58	6 42	10 54	10 25	16 49	3 24	3 15
S 13	23 32	16 4	1 55	23 28	1 38	13 46	2 42	2 59	0 13	14 22	1 2	7 58	2 2	18 21	0 39	1 49	1 32	25 58	6 42	10 53	10 23	16 48	3 24	3 15
M14	23 32	18 12	3 2	23 8	1 32	14 5	2 42	3 10	0 14	14 26	1 2	7 58	2 2	18 20	0 39	1 49	1 32	25 59	6 42	10 51	10 22	16 47	3 25	3 15
T 15	23 32	19 10	3 59	22 46	1 26	14 24	2 41	3 21	0 16	14 29	1 2	7 58	2 2	18 19	0 39	1 48	1 32	25 59	6 42	10 49	10 21	16 46	3 25	3 15
W16	23 31	18 47	4 39	22 24	1 20	14 43	2 40	3 33	0 17	14 33	1 2	7 58	2 2	18 18	0 39	1 48	1 32	25 59	6 42	10 46	10 20	16 45	3 25	3 15
T 17	23 30	17 3	5 0	22 0	1 12	15 1	2 39	3 44	0 19	14 36	1 2	7 58	2 3	18 18	0 39	1 48	1 32	26 0	6 42	10 43	10 19	16 44	3 26	3 15
F 18	23 28	14 8	5 0	21 36	1 5	15 20	2 39	3 56	0 20	14 40	1 3	7 59	2 3	18 17	0 39	1 48	1 32	26 0	6 43	10 40	10 18	16 43	3 26	3 15
S 19	23 27	10 21	4 40	21 12	0 57	15 38	2 37	4 8	0 21	14 43	1 3	7 59	2 3	18 16	0 39	1 48	1 32	26 1	6 43	10 37	10 16	16 42	3 26	3 15
S 20	23 24	6 1	4 1	20 46	0 48	15 56	2 36	4 20	0 23	14 46	1 3	7 59	2 3	18 15	0 39	1 47	1 32	26 1	6 43	10 35	10 15	16 41	3 27	3 16
M21	23 22	1 29	3 9	20 20	0 39	16 13	2 35	4 32	0 24	14 50	1 3	8 0	2 4	18 14	0 39	1 47	1 32	26 2	6 43	10 34	10 14	16 40	3 27	3 16
T 22	23 19	3n 0	2 7	19 54	0 30	16 30	2 34	4 44	0 25	14 53	1 3	8 0	2 4	18 13	0 39	1 47	1 32	26 2	6 43	10 33	10 13	16 38	3 27	3 16
W23	23 15	7 12	1 0	19 28	0 20	16 48	2 32	4 56	0 26	14 56	1 3	8 0	2 4	18 12	0 39	1 46	1 32	26 3	6 43	10 33	10 12	16 37	3 27	3 16
T 24	23 11	10 57	0s 8	19 1	0 9	17 4	2 31	5 8	0 28	14 59	1 3	8 1	2 4	18 11	0 39	1 46	1 32	26 3	6 44	10 33	10 11	16 36	3 27	3 16
F 25	23 7	14 7	1 14	18 34	0s 1	17 21	2 29	5 20	0 29	15 2	1 3	8 1	2 5	18 10	0 39	1 46	1 32	26 3	6 44	10 33	10 10	16 35	3 28	3 16
S 26	23 2	16 35	2 15	18 8	0 13	17 37	2 28	5 33	0 30	15 5	1 3	8 2	2 5	18 9	0 39	1 45	1 32	26 4	6 44	10 32	10 8	16 34	3 28	3 16
S 27	22 57	18 16	3 9	17 41	0 24	17 53	2 26	5 45	0 31	15 8	1 3	8 2	2 5	18 8	0 39	1 45	1 32	26 4	6 44	10 30	10 7	16 33	3 28	3 16
M28	22 52	19 6	3 54	17 15	0 36	18 8	2 24	5 58	0 32	15 11	1 3	8 3	2 5	18 8	0 39	1 45	1 32	26 5	6 44	10 27	10 6	16 32	3 28	3 16
T 29	22 46	19 4	4 28	16 49	0 48	18 24	2 22	6 10	0 34	15 14	1 3	8 4	2 6	18 7	0 39	1 44	1 32	26 5	6 44	10 23	10 5	16 31	3 28	3 17
W30	22n39	18n11	4s50	16n23	1s 0	18n38	2s20	6s23	0s35	15n17	1s 4	8s 4	2s 6	18n 6	0n39	1n44	1n32	26s 6	6s44	10s19	10s 4	16n29	3n28	3n17

Julian Day Number = 2191651.5, Delta T = 10m42s
Ecliptic obliquity = 23°31'45, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°48'59, Lahiri = 13°55'59 Julian Calendar 1 June 1288 == Greg. Calendar 8 June 1288

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

JULY 1288 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 6 51	16♋11'24	23♋38	12♌27	4♊37	15♎17	14♉50	14°R27	11♌18	29♍11	3°R 3	26°R25	25♎54	23♋ 7	1°R 9	T 1
F 2	19 10 48	17° 8'40	5♌30	13°10	5°45	15°47	15° 0	14♓25	11°21	29°12	3♒ 2	26♎12	25°51	23°14	1♈ 9	F 2
S 3	19 14 44	18° 5'57	17°23	13°49	6°52	16°18	15°10	14°24	11°25	29°13	3° 0	25°59	25°48	23°21	1° 9	S 3
S 4	19 18 41	19° 3'14	29°19	14°25	8° 0	16°49	15°20	14°22	11°28	29°14	2°59	25°49	25°45	23°27	1° 8	S 4
M 5	19 22 37	20° 0'31	11♍20	14°56	9° 8	17°20	15°29	14°21	11°32	29°15	2°58	25°42	25°41	23°34	1° 8	M 5
T 6	19 26 34	20°57'49	23°31	15°23	10°15	17°51	15°39	14°19	11°35	29°16	2°56	25°37	25°38	23°41	1° 7	T 6
W 7	19 30 30	21°55'08	5♎54	15°46	11°23	18°23	15°48	14°17	11°39	29°17	2°55	25°35	25°35	23°47	1° 7	W 7
T 8	19 34 27	22°52'26	18°35	16° 5	12°32	18°55	15°58	14°15	11°43	29°18	2°54	25°34	25°32	23°54	1° 6	T 8
F 9	19 38 24	23°49'46	1♏36	16°18	13°40	19°27	16° 7	14°13	11°46	29°19	2°52	25°34	25°29	24° 1	1° 6	F 9
S 10	19 42 20	24°47'05	15° 3	16°27	14°48	19°59	16°16	14°11	11°50	29°20	2°51	25°34	25°26	24° 8	1° 5	S 10
S 11	19 46 17	25°44'26	28°59	16°R31	15°57	20°32	16°25	14° 9	11°53	29°21	2°50	25°31	25°22	24°14	1° 4	S 11
M12	19 50 13	26°41'47	13♐22	16°30	17° 5	21° 5	16°33	14° 7	11°57	29°23	2°48	25°26	25°19	24°21	1° 3	M12
T 13	19 54 10	27°39'08	28°12	16°23	18°14	21°38	16°42	14° 4	12° 1	29°24	2°47	25°19	25°16	24°28	1° 3	T 13
W14	19 58 6	28°36'31	13♑22	16°12	19°23	22°11	16°51	14° 2	12° 4	29°25	2°46	25° 9	25°13	24°35	1° 2	W14
T 15	20 2 3	29°33'54	28°41	15°55	20°32	22°44	16°59	13°59	12° 8	29°26	2°44	24°59	25°10	24°41	1° 1	T 15
F 16	20 5 59	0♌31'18	14♒ 0	15°33	21°41	23°18	17° 7	13°57	12°12	29°28	2°43	24°48	25° 6	24°48	1° 0	F 16
S 17	20 9 56	1°28'43	29° 5	15° 7	22°50	23°52	17°15	13°54	12°15	29°29	2°42	24°39	25° 3	24°55	0°59	S 17
S 18	20 13 53	2°26'09	13♓49	14°35	23°59	24°26	17°23	13°51	12°19	29°31	2°40	24°32	25° 0	25° 1	0°58	S 18
M19	20 17 49	3°23'37	28° 5	13°59	25° 9	25° 0	17°31	13°48	12°23	29°32	2°39	24°28	24°57	25° 8	0°56	M19
T 20	20 21 46	4°21'05	11♈53	13°20	26°18	25°34	17°39	13°45	12°26	29°33	2°37	24°26	24°54	25°15	0°55	T 20
W21	20 25 42	5°18'36	25°11	12°37	27°28	26° 9	17°47	13°42	12°30	29°35	2°36	24°D26	24°51	25°22	0°54	W21
T 22	20 29 39	6°16'07	8♉ 5	11°51	28°37	26°44	17°54	13°39	12°34	29°36	2°35	24°R26	24°47	25°28	0°53	T 22
F 23	20 33 35	7°13'40	20°38	11° 3	29°47	27°19	18° 1	13°36	12°37	29°38	2°33	24°25	24°44	25°35	0°51	F 23
S 24	20 37 32	8°11'15	2♊54	10°15	0♋57	27°54	18° 8	13°33	12°41	29°39	2°32	24°23	24°41	25°42	0°50	S 24
S 25	20 41 28	9° 8'51	14°59	9°25	2° 7	28°29	18°15	13°29	12°45	29°41	2°31	24°18	24°38	25°49	0°49	S 25
M26	20 45 25	10° 6'28	26°57	8°37	3°17	29° 5	18°22	13°26	12°49	29°42	2°29	24°10	24°35	25°55	0°47	M26
T 27	20 49 22	11° 4'07	8♋50	7°50	4°27	29°40	18°29	13°23	12°52	29°44	2°28	24° 0	24°31	26° 2	0°46	T 27
W28	20 53 18	12° 1'48	20°41	7° 6	5°38	0♏16	18°36	13°19	12°56	29°46	2°27	23°49	24°28	26° 9	0°44	W28
T 29	20 57 15	12°59'29	2♌33	6°25	6°48	0°52	18°42	13°15	13° 0	29°47	2°25	23°36	24°25	26°15	0°42	T 29
F 30	21 1 11	13°57'12	14°28	5°49	7°58	1°29	18°48	13°12	13° 4	29°49	2°24	23°23	24°22	26°22	0°41	F 30
S 31	21 5 8	14♌54'57	26♌26	5♌17	9♋ 9	2♏ 5	18♉54	13♓ 8	13♌ 7	29♍51	2♒23	23♎11	24♎19	26♋29	0♈39	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n33	16n32	5s 0	15n58	1s13	18n53	2s18	6s36	0s36	15n20	1s 4	8s 5	2s 6	18n 5	0n39	1n44	1n32	26s 6	6s45	10s14	10s 3	16n28	3n28	3n17
F 2	22 25	14 11	4 56	15 33	1 26	19 7	2 16	6 48	0 37	15 23	1 4	8 6	2 6	18 4	0 39	1 43	1 32	26 6	6 45	10 9	10 1	16 27	3 28	3 17
S 3	22 18	11 14	4 40	15 9	1 39	19 20	2 14	7 1	0 38	15 26	1 4	8 7	2 7	18 3	0 39	1 43	1 31	26 7	6 45	10 4	10 0	16 26	3 28	3 17
S 4	22 10	7 50	4 11	14 47	1 52	19 34	2 12	7 14	0 39	15 28	1 4	8 7	2 7	18 2	0 39	1 42	1 31	26 7	6 45	10 1	9 59	16 25	3 28	3 17
M 5	22 2	4 5	3 31	14 25	2 6	19 46	2 9	7 27	0 40	15 31	1 4	8 8	2 7	18 1	0 39	1 42	1 31	26 8	6 45	9 58	9 58	16 24	3 28	3 17
T 6	21 53	0 8	2 41	14 4	2 19	19 59	2 7	7 40	0 41	15 34	1 4	8 9	2 7	18 0	0 39	1 41	1 31	26 8	6 45	9 56	9 57	16 23	3 28	3 17
W 7	21 44	3s55	1 42	13 44	2 33	20 11	2 4	7 53	0 42	15 36	1 4	8 10	2 8	17 59	0 39	1 41	1 31	26 9	6 45	9 56	9 56	16 21	3 28	3 17
T 8	21 35	7 53	0 37	13 26	2 46	20 22	2 2	8 6	0 43	15 39	1 4	8 11	2 8	17 58	0 39	1 40	1 31	26 9	6 45	9 55	9 54	16 20	3 28	3 18
F 9	21 25	11 35	0n32	13 10	2 59	20 33	1 59	8 19	0 44	15 42	1 4	8 12	2 8	17 57	0 39	1 40	1 31	26 10	6 45	9 55	9 53	16 19	3 27	3 18
S 10	21 15	14 48	1 41	12 54	3 12	20 44	1 57	8 33	0 45	15 44	1 5	8 13	2 8	17 56	0 39	1 40	1 31	26 10	6 46	9 55	9 52	16 18	3 27	3 18
S 11	21 5	17 18	2 47	12 41	3 25	20 54	1 54	8 46	0 46	15 46	1 5	8 14	2 9	17 55	0 39	1 39	1 31	26 10	6 46	9 54	9 51	16 17	3 27	3 18
M12	20 54	18 47	3 44	12 30	3 37	21 3	1 51	8 59	0 47	15 49	1 5	8 15	2 9	17 54	0 39	1 38	1 31	26 11	6 46	9 52	9 50	16 16	3 27	3 18
T 13	20 43	19 3	4 28	12 20	3 49	21 12	1 48	9 13	0 48	15 51	1 5	8 16	2 9	17 53	0 39	1 38	1 31	26 11	6 46	9 50	9 49	16 15	3 27	3 18
W14	20 31	17 59	4 54	12 13	4 0	21 21	1 45	9 26	0 49	15 54	1 5	8 18	2 9	17 52	0 39	1 37	1 31	26 12	6 46	9 46	9 47	16 13	3 26	3 18
T 15	20 19	15 36	5 0	12 8	4 10	21 29	1 43	9 39	0 50	15 56	1 5	8 19	2 10	17 51	0 39	1 37	1 31	26 12	6 46	9 42	9 46	16 12	3 26	3 18
F 16	20 7	12 9	4 44	12 6	4 20	21 37	1 40	9 53	0 51	15 58	1 5	8 20	2 10	17 50	0 39	1 36	1 31	26 12	6 46	9 39	9 45	16 11	3 26	3 18
S 17	19 54	7 57	4 8	12 5	4 28	21 44	1 37	10 6	0 52	16 0	1 5	8 21	2 10	17 49	0 39	1 36	1 31	26 13	6 46	9 35	9 44	16 10	3 25	3 18
S 18	19 41	3 21	3 17	12 7	4 36	21 50	1 34	10 19	0 53	16 2	1 6	8 23	2 10	17 48	0 39	1 35	1 31	26 13	6 46	9 33	9 43	16 9	3 25	3 19
M19	19 28	1n18	2 14	12 12	4 41	21 56	1 31	10 33	0 54	16 4	1 6	8 24	2 10	17 46	0 39	1 35	1 31	26 14	6 46	9 31	9 42	16 7	3 25	3 19
T 20	19 15	5 43	1 6	12 19	4 46	22 1	1 28	10 46	0 55	16 6	1 6	8 25	2 11	17 45	0 39	1 34	1 31	26 14	6 46	9 30	9 40	16 6	3 24	3 19
W21	19 1	9 43	0s 4	12 28	4 49	22 6	1 25	11 0	0 56	16 8	1 6	8 27	2 11	17 44	0 39	1 33	1 31	26 14	6 46	9 30	9 39	16 5	3 24	3 19
T 22	18 47	13 7	1 12	12 39	4 50	22 10	1 21	11 13	0 56	16 10	1 6	8 28	2 11	17 43	0 39	1 33	1 31	26 15	6 47	9 30	9 38	16 4	3 23	3 19
F 23	18 32	15 49	2 14	12 53	4 49	22 14	1 18	11 27	0 57	16 12	1 6	8 29	2 11	17 42	0 39	1 32	1 31	26 15	6 47	9 30	9 37	16 3	3 23	3 19
S 24	18 17	17 44	3 9	13 8	4 47	22 16	1 15	11 40	0 58	16 14	1 6	8 31	2 11	17 41	0 39	1 31	1 31	26 16	6 47	9 29	9 36	16 2	3 23	3 19
S 25	18 2	18 48	3 54	13 26	4 42	22 19	1 12	11 54	0 59	16 16	1 6	8 32	2 12	17 40	0 39	1 31	1 31	26 16	6 47	9 27	9 35	16 0	3 22	3 19
M26	17 47	19 1	4 28	13 44	4 36	22 21	1 9	12 7	1 0	16 18	1 7	8 34	2 12	17 39	0 39	1 30	1 31	26 16	6 47	9 25	9 33	15 59	3 22	3 19
T 27	17 31	18 24	4 51	14 4	4 28	22 22	1 5	12 20	1 0	16 19	1 7	8 35	2 12	17 38	0 39	1 29	1 31	26 17	6 47	9 21	9 32	15 58	3 21	3 19
W28	17 15	16 58	5 1	14 24	4 18	22 22	1 2	12 34	1 1	16 21	1 7	8 37	2 12	17 37	0 39	1 29	1 31	26 17	6 47	9 16	9 31	15 57	3 20	3 19
T 29	16 59	14 50	4 58	14 45	4 7	22 22	0 59	12 47	1 2	16 23	1 7	8 38	2 12	17 36	0 39	1 28	1 31	26 17	6 47	9 12	9 30	15 56	3 20	3 20
F 30	16 42	12 4	4 41	15 7	3 54	22 22	0 56	13 1	1 3	16 24	1 7	8 40	2 13	17 35	0 39	1 27	1 31	26 18	6 47	9 7	9 29	15 54	3 19	3 20
S 31	16n25	8n47	4s13	15n28	3s40	22n20	0s52	13s14	1s 3	16n26	1s 7	8s42	2s13	17n34	0n39	1n27	1n30	26s18	6s47	9s 3	9s28	15n53	3n19	3n20

Julian Day Number = 2191681.5, Delta T = 10m42s
Ecliptic obliquity = 23°31'45, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'03, Lahiri = 13°56'03 Julian Calendar 1 July 1288 == Greg. Calendar 8 July 1288

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

AUGUST 1288 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 9 4	15♌52'43	8♍28	4°R52	10♋20	2♏42	19♉ 0	13°R 4	13♌11	29♍52	2°R21	23°R 2	24♎16	26♋36	0°R37	S 1
M 2	21 13 1	16°50'30	20°38	4♌33	11°30	3°19	19° 6	13♓ 0	13°15	29°54	2♒20	22♎55	24°12	26°42	0♈36	M 2
T 3	21 16 57	17°48'18	2♎56	4°21	12°41	3°55	19°11	12°56	13°18	29°56	2°19	22°50	24° 9	26°49	0°34	T 3
W 4	21 20 54	18°46'08	15°25	4°D16	13°52	4°33	19°17	12°52	13°22	29°58	2°17	22°48	24° 6	26°56	0°32	W 4
T 5	21 24 51	19°43'58	28° 9	4°19	15° 3	5°10	19°22	12°48	13°26	29°59	2°16	22°D48	24° 3	27° 2	0°30	T 5
F 6	21 28 47	20°41'51	11♏11	4°29	16°14	5°47	19°27	12°44	13°30	0♎ 1	2°15	22°49	24° 0	27° 9	0°28	F 6
S 7	21 32 44	21°39'44	24°34	4°48	17°25	6°25	19°32	12°40	13°33	0° 3	2°13	22°R49	23°57	27°16	0°26	S 7
S 8	21 36 40	22°37'39	8♐21	5°15	18°37	7° 3	19°37	12°36	13°37	0° 5	2°12	22°48	23°53	27°23	0°24	S 8
M 9	21 40 37	23°35'35	22°33	5°49	19°48	7°40	19°41	12°32	13°41	0° 7	2°11	22°45	23°50	27°29	0°22	M 9
T 10	21 44 33	24°33'32	7♑ 9	6°31	20°59	8°18	19°46	12°28	13°44	0° 9	2°10	22°40	23°47	27°36	0°20	T 10
W11	21 48 30	25°31'31	22° 4	7°21	22°11	8°57	19°50	12°23	13°48	0°10	2° 8	22°32	23°44	27°43	0°18	W11
T 12	21 52 26	26°29'31	7♒11	8°18	23°22	9°35	19°54	12°19	13°52	0°12	2° 7	22°24	23°41	27°50	0°16	T 12
F 13	21 56 23	27°27'33	22°21	9°22	24°34	10°13	19°58	12°15	13°55	0°14	2° 6	22°16	23°37	27°56	0°13	F 13
S 14	22 0 20	28°25'36	7♓22	10°33	25°46	10°52	20° 1	12°10	13°59	0°16	2° 5	22° 9	23°34	28° 3	0°11	S 14
S 15	22 4 16	29°23'41	22° 6	11°49	26°57	11°31	20° 5	12° 6	14° 3	0°18	2° 4	22° 3	23°31	28°10	0° 9	S 15
M16	22 8 13	0♍21'48	6♈27	13°12	28° 9	12°10	20° 8	12° 1	14° 6	0°20	2° 2	22° 0	23°28	28°16	0° 7	M16
T 17	22 12 9	1°19'57	20°19	14°40	29°21	12°49	20°11	11°57	14°10	0°22	2° 1	21°D59	23°25	28°23	0° 4	T 17
W18	22 16 6	2°18'08	3♉44	16°12	0♌33	13°28	20°14	11°52	14°14	0°24	2° 0	22° 0	23°22	28°30	0° 2	W18
T 19	22 20 2	3°16'21	16°42	17°49	1°45	14° 7	20°17	11°48	14°17	0°26	1°59	22° 1	23°18	28°37	29♓59	T 19
F 20	22 23 59	4°14'36	29°19	19°29	2°58	14°46	20°19	11°43	14°21	0°28	1°58	22°R 2	23°15	28°43	29°57	F 20
S 21	22 27 55	5°12'53	11♊37	21°12	4°10	15°26	20°22	11°39	14°24	0°30	1°57	22° 2	23°12	28°50	29°55	S 21
S 22	22 31 52	6°11'12	23°42	22°58	5°22	16° 6	20°24	11°34	14°28	0°32	1°56	22° 0	23° 9	28°57	29°52	S 22
M23	22 35 48	7° 9'33	5♋38	24°46	6°35	16°45	20°26	11°29	14°31	0°34	1°55	21°56	23° 6	29° 3	29°50	M23
T 24	22 39 45	8° 7'57	17°30	26°36	7°47	17°25	20°27	11°25	14°35	0°37	1°53	21°51	23° 3	29°10	29°47	T 24
W25	22 43 42	9° 6'22	29°22	28°27	9° 0	18° 5	20°29	11°20	14°38	0°39	1°52	21°44	22°59	29°17	29°45	W25
T 26	22 47 38	10° 4'50	11♌16	0♍20	10°12	18°46	20°30	11°15	14°42	0°41	1°51	21°36	22°56	29°24	29°42	T 26
F 27	22 51 35	11° 3'19	23°15	2°12	11°25	19°26	20°31	11°11	14°45	0°43	1°50	21°28	22°53	29°30	29°40	F 27
S 28	22 55 31	12° 1'51	5♍21	4° 6	12°38	20° 6	20°32	11° 6	14°49	0°45	1°49	21°21	22°50	29°37	29°37	S 28
S 29	22 59 28	13° 0'24	17°34	5°59	13°51	20°47	20°33	11° 2	14°52	0°47	1°48	21°15	22°47	29°44	29°34	S 29
M30	23 3 24	13°59'00	29°57	7°52	15° 4	21°28	20°34	10°57	14°56	0°49	1°48	21°12	22°43	29°51	29°32	M30
T 31	23 7 21	14♍57'37	12♎30	9♍45	16♌17	22♏ 9	20♉34	10♓52	14♌59	0♎51	1♒47	21♎10	22♎40	29♋57	29♓29	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n 8	5n 8	3s33	15n49	3s24	22n19	0s49	13s27	1s 4	16n27	1s 7	8s43	2s13	17n33	0n39	1n26	1n30	26s18	6s47	8s59	9s26	15n52	3n18	3n20
M 2	15 51	1 14	2 42	16 9	3 8	22 16	0 46	13 41	1 5	16 29	1 8	8 45	2 13	17 32	0 39	1 25	1 30	26 19	6 47	8 56	9 25	15 51	3 17	3 20
T 3	15 33	2s45	1 44	16 28	2 51	22 13	0 43	13 54	1 6	16 30	1 8	8 47	2 13	17 31	0 39	1 25	1 30	26 19	6 47	8 55	9 24	15 50	3 17	3 20
W 4	15 15	6 42	0 39	16 46	2 34	22 9	0 39	14 7	1 6	16 31	1 8	8 48	2 13	17 30	0 39	1 24	1 30	26 19	6 47	8 54	9 23	15 48	3 16	3 20
T 5	14 57	10 25	0n29	17 3	2 16	22 5	0 36	14 21	1 7	16 33	1 8	8 50	2 14	17 28	0 39	1 23	1 30	26 20	6 47	8 54	9 22	15 47	3 15	3 20
F 6	14 39	13 43	1 37	17 18	1 58	22 0	0 33	14 34	1 8	16 34	1 8	8 52	2 14	17 27	0 39	1 22	1 30	26 20	6 47	8 54	9 21	15 46	3 15	3 20
S 7	14 20	16 23	2 41	17 31	1 40	21 54	0 30	14 47	1 8	16 35	1 8	8 53	2 14	17 26	0 39	1 22	1 30	26 20	6 47	8 54	9 19	15 45	3 14	3 20
S 8	14 1	18 11	3 38	17 42	1 23	21 48	0 26	15 0	1 9	16 36	1 8	8 55	2 14	17 25	0 39	1 21	1 30	26 21	6 47	8 54	9 18	15 43	3 13	3 20
M 9	13 42	18 55	4 24	17 50	1 5	21 41	0 23	15 13	1 10	16 37	1 9	8 57	2 14	17 24	0 39	1 20	1 30	26 21	6 47	8 53	9 17	15 42	3 12	3 20
T 10	13 23	18 26	4 54	17 56	0 48	21 34	0 20	15 26	1 10	16 38	1 9	8 59	2 14	17 23	0 39	1 19	1 30	26 21	6 47	8 51	9 16	15 41	3 12	3 20
W11	13 4	16 42	5 5	17 59	0 32	21 25	0 17	15 39	1 11	16 39	1 9	9 0	2 14	17 22	0 39	1 19	1 30	26 22	6 47	8 48	9 15	15 40	3 11	3 20
T 12	12 44	13 47	4 55	18 0	0 16	21 17	0 13	15 52	1 11	16 40	1 9	9 2	2 15	17 21	0 39	1 18	1 30	26 22	6 47	8 45	9 14	15 39	3 10	3 20
F 13	12 24	9 57	4 25	17 58	0 1	21 7	0 10	16 5	1 12	16 41	1 9	9 4	2 15	17 20	0 39	1 17	1 30	26 22	6 47	8 42	9 12	15 37	3 9	3 20
S 14	12 4	5 30	3 36	17 52	0n13	20 57	0 7	16 17	1 13	16 42	1 9	9 6	2 15	17 19	0 39	1 16	1 30	26 22	6 47	8 39	9 11	15 36	3 8	3 20
S 15	11 44	0 48	2 33	17 44	0 26	20 47	0 4	16 30	1 13	16 43	1 9	9 8	2 15	17 18	0 39	1 15	1 30	26 23	6 47	8 37	9 10	15 35	3 7	3 20
M16	11 23	3n50	1 23	17 32	0 39	20 36	0 1	16 43	1 14	16 44	1 10	9 9	2 15	17 17	0 39	1 15	1 30	26 23	6 47	8 36	9 9	15 34	3 6	3 21
T 17	11 2	8 6	0 9	17 18	0 50	20 24	0n 2	16 55	1 14	16 44	1 10	9 11	2 15	17 16	0 39	1 14	1 30	26 23	6 47	8 36	9 8	15 32	3 6	3 21
W18	10 42	11 49	1s 3	17 0	1 0	20 12	0 5	17 8	1 15	16 45	1 10	9 13	2 15	17 15	0 39	1 13	1 30	26 23	6 47	8 36	9 6	15 31	3 5	3 21
T 19	10 21	14 50	2 9	16 39	1 10	19 59	0 8	17 20	1 15	16 46	1 10	9 15	2 15	17 14	0 39	1 12	1 30	26 24	6 47	8 36	9 5	15 30	3 4	3 21
F 20	9 59	17 2	3 7	16 16	1 18	19 45	0 11	17 32	1 16	16 46	1 10	9 17	2 15	17 13	0 39	1 11	1 30	26 24	6 47	8 37	9 4	15 29	3 3	3 21
S 21	9 38	18 22	3 55	15 50	1 25	19 31	0 14	17 44	1 16	16 47	1 10	9 19	2 16	17 12	0 39	1 10	1 30	26 24	6 47	8 37	9 3	15 27	3 2	3 21
S 22	9 17	18 51	4 32	15 21	1 31	19 17	0 17	17 56	1 17	16 47	1 10	9 20	2 16	17 11	0 39	1 10	1 30	26 24	6 47	8 36	9 2	15 26	3 1	3 21
M23	8 55	18 29	4 56	14 50	1 37	19 1	0 20	18 8	1 17	16 47	1 11	9 22	2 16	17 10	0 39	1 9	1 30	26 25	6 47	8 35	9 1	15 25	3 0	3 21
T 24	8 33	17 18	5 8	14 16	1 41	18 46	0 23	18 20	1 18	16 48	1 11	9 24	2 16	17 9	0 39	1 8	1 30	26 25	6 47	8 33	8 59	15 24	2 59	3 21
W25	8 11	15 22	5 6	13 41	1 44	18 29	0 26	18 32	1 18	16 48	1 11	9 26	2 16	17 8	0 39	1 7	1 30	26 25	6 47	8 30	8 58	15 22	2 58	3 21
T 26	7 49	12 48	4 51	13 4	1 47	18 13	0 29	18 44	1 19	16 48	1 11	9 28	2 16	17 7	0 39	1 6	1 30	26 25	6 47	8 27	8 57	15 21	2 57	3 21
F 27	7 27	9 41	4 23	12 25	1 48	17 55	0 31	18 55	1 19	16 48	1 11	9 30	2 16	17 6	0 39	1 5	1 30	26 25	6 47	8 24	8 56	15 20	2 56	3 21
S 28	7 4	6 8	3 43	11 44	1 49	17 37	0 34	19 7	1 19	16 48	1 11	9 31	2 16	17 5	0 39	1 5	1 30	26 26	6 47	8 21	8 55	15 19	2 55	3 21
S 29	6 42	2 17	2 52	11 2	1 49	17 19	0 37	19 18	1 20	16 49	1 11	9 33	2 16	17 4	0 39	1 4	1 30	26 26	6 47	8 19	8 53	15 17	2 54	3 21
M30	6 19	1s42	1 53	10 20	1 49	17 0	0 39	19 29	1 20	16 49	1 12	9 35	2 16	17 3	0 39	1 3	1 30	26 26	6 47	8 18	8 52	15 16	2 53	3 21
T 31	5n57	5s41	0s47	9n36	1n47	16n41	0n42	19s40	1s21	16n48	1s12	9s37	2s16	17n 2	0n39	1n 2	1n30	26s26	6s46	8s17	8s51	15n15	2n52	3n21

Julian Day Number = 2191712.5, Delta T = 10m42s
Ecliptic obliquity = 23°31'45, Nutation = 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'07, Lahiri = 13°56'07 Julian Calendar 1 Aug. 1288 == Greg. Calendar 8 Aug. 1288

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

SEPTEMBER 1288 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 11 17	15♍56'16	25♎14	11♍37	17♌30	22♏49	20°R34	10°R48	15♌ 2	0♎54	1°R46	21°D 9	22♎37	0♌ 4	29°R26	W 1
T 2	23 15 14	16°54'57	8♏11	13°29	18°43	23°31	20♉34	10♓43	15° 6	0°56	1♒45	21♎10	22°34	0°11	29♓24	T 2
F 3	23 19 11	17°53'40	21°23	15°20	19°56	24°12	20°34	10°39	15° 9	0°58	1°44	21°12	22°31	0°17	29°21	F 3
S 4	23 23 7	18°52'24	4♐51	17°11	21° 9	24°53	20°33	10°34	15°12	1° 0	1°43	21°13	22°28	0°24	29°18	S 4
S 5	23 27 4	19°51'11	18°36	19° 0	22°22	25°34	20°33	10°29	15°15	1° 2	1°42	21°R14	22°24	0°31	29°16	S 5
M 6	23 31 0	20°49'59	2♑39	20°49	23°36	26°16	20°32	10°25	15°19	1° 5	1°41	21°13	22°21	0°38	29°13	M 6
T 7	23 34 57	21°48'48	16°59	22°37	24°49	26°57	20°31	10°20	15°22	1° 7	1°41	21°11	22°18	0°44	29°10	T 7
W 8	23 38 53	22°47'40	1♒33	24°24	26° 3	27°39	20°30	10°16	15°25	1° 9	1°40	21° 8	22°15	0°51	29° 7	W 8
T 9	23 42 50	23°46'33	16°17	26°11	27°16	28°21	20°28	10°11	15°28	1°11	1°39	21° 5	22°12	0°58	29° 5	T 9
F 10	23 46 46	24°45'28	1♓ 3	27°56	28°30	29° 3	20°27	10° 7	15°31	1°13	1°38	21° 1	22° 8	1° 4	29° 2	F 10
S 11	23 50 43	25°44'25	15°45	29°40	29°43	29°45	20°25	10° 3	15°34	1°16	1°38	20°58	22° 5	1°11	28°59	S 11
S 12	23 54 40	26°43'24	0♈15	1♎24	0♍57	0♐27	20°23	9°58	15°37	1°18	1°37	20°55	22° 2	1°18	28°56	S 12
M13	23 58 36	27°42'25	14°27	3° 7	2°11	1° 9	20°20	9°54	15°40	1°20	1°36	20°D54	21°59	1°25	28°54	M13
T 14	0 2 33	28°41'28	28°17	4°48	3°24	1°52	20°18	9°50	15°43	1°22	1°36	20°54	21°56	1°31	28°51	T 14
W15	0 6 29	29°40'33	11♉42	6°29	4°38	2°34	20°15	9°46	15°46	1°25	1°35	20°55	21°53	1°38	28°48	W15
T 16	0 10 26	0♎39'41	24°44	8°10	5°52	3°17	20°13	9°41	15°49	1°27	1°35	20°57	21°49	1°45	28°45	T 16
F 17	0 14 22	1°38'51	7♊24	9°49	7° 6	3°59	20° 9	9°37	15°52	1°29	1°34	20°58	21°46	1°52	28°43	F 17
S 18	0 18 19	2°38'03	19°46	11°27	8°20	4°42	20° 6	9°33	15°55	1°31	1°34	20°59	21°43	1°58	28°40	S 18
S 19	0 22 15	3°37'18	1♋54	13° 5	9°34	5°25	20° 3	9°29	15°58	1°34	1°33	21°R 0	21°40	2° 5	28°37	S 19
M20	0 26 12	4°36'35	13°52	14°42	10°48	6° 8	19°59	9°25	16° 1	1°36	1°33	20°59	21°37	2°12	28°34	M20
T 21	0 30 8	5°35'54	25°45	16°18	12° 2	6°51	19°55	9°21	16° 3	1°38	1°32	20°58	21°34	2°18	28°32	T 21
W22	0 34 5	6°35'16	7♌37	17°53	13°17	7°34	19°51	9°17	16° 6	1°40	1°32	20°57	21°30	2°25	28°29	W22
T 23	0 38 2	7°34'40	19°33	19°28	14°31	8°17	19°47	9°14	16° 9	1°43	1°31	20°55	21°27	2°32	28°26	T 23
F 24	0 41 58	8°34'06	1♍37	21° 2	15°45	9° 0	19°43	9°10	16°11	1°45	1°31	20°53	21°24	2°39	28°23	F 24
S 25	0 45 55	9°33'34	13°50	22°35	17° 0	9°44	19°38	9° 6	16°14	1°47	1°31	20°51	21°21	2°45	28°21	S 25
S 26	0 49 51	10°33'05	26°15	24° 8	18°14	10°27	19°34	9° 3	16°16	1°49	1°30	20°50	21°18	2°52	28°18	S 26
M27	0 53 48	11°32'38	8♎54	25°40	19°28	11°11	19°29	8°59	16°19	1°51	1°30	20°49	21°14	2°59	28°15	M27
T 28	0 57 44	12°32'13	21°46	27°11	20°43	11°54	19°24	8°55	16°21	1°54	1°30	20°D49	21°11	3° 5	28°13	T 28
W29	1 1 41	13°31'49	4♏53	28°42	21°57	12°38	19°19	8°52	16°24	1°56	1°30	20°49	21° 8	3°12	28°10	W29
T 30	1 5 37	14♎31'28	18♏13	0♏12	23♍12	13♐22	19♉13	8♓49	16♌26	1♎58	1♒29	20♎50	21♎ 5	3♌19	28♓ 7	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n34	9s27	0n22	8n51	1n45	16n21	0n44	19s51	1s21	16n48	1s12	9s39	2s16	17n 1	0n39	1n 1	1n30	26s26	6s46	8s17	8s50	15n13	2n51	3n21
T 2	5 11	12 51	1 32	8 6	1 43	16 1	0 47	20 2	1 21	16 48	1 12	9 40	2 16	17 0	0 39	1 0	1 30	26 26	6 46	8 17	8 49	15 12	2 49	3 21
F 3	4 48	15 38	2 38	7 20	1 40	15 40	0 49	20 13	1 22	16 48	1 12	9 42	2 16	16 59	0 39	0 59	1 30	26 26	6 46	8 18	8 48	15 11	2 48	3 21
S 4	4 25	17 38	3 36	6 34	1 37	15 19	0 51	20 23	1 22	16 48	1 12	9 44	2 16	16 58	0 39	0 58	1 30	26 27	6 46	8 18	8 46	15 10	2 47	3 21
S 5	4 2	18 39	4 24	5 48	1 33	14 57	0 54	20 34	1 23	16 48	1 12	9 46	2 16	16 57	0 39	0 58	1 30	26 27	6 46	8 19	8 45	15 8	2 46	3 20
M 6	3 39	18 33	4 57	5 1	1 29	14 35	0 56	20 44	1 23	16 47	1 12	9 47	2 16	16 56	0 40	0 57	1 30	26 27	6 46	8 19	8 44	15 7	2 45	3 20
T 7	3 16	17 17	5 12	4 14	1 25	14 13	0 58	20 54	1 23	16 47	1 13	9 49	2 16	16 55	0 40	0 56	1 30	26 27	6 46	8 18	8 43	15 6	2 44	3 20
W 8	2 52	14 53	5 8	3 27	1 20	13 50	1 0	21 4	1 24	16 46	1 13	9 51	2 16	16 54	0 40	0 55	1 30	26 27	6 46	8 17	8 42	15 4	2 43	3 20
T 9	2 29	11 30	4 44	2 40	1 15	13 26	1 2	21 14	1 24	16 46	1 13	9 53	2 16	16 53	0 40	0 54	1 30	26 27	6 46	8 15	8 40	15 3	2 42	3 20
F 10	2 5	7 24	4 0	1 53	1 9	13 3	1 4	21 23	1 24	16 45	1 13	9 54	2 16	16 52	0 40	0 53	1 30	26 27	6 46	8 14	8 39	15 2	2 40	3 20
S 11	1 42	2 51	3 1	1 6	1 4	12 39	1 6	21 33	1 24	16 45	1 13	9 56	2 16	16 52	0 40	0 52	1 30	26 27	6 46	8 13	8 38	15 1	2 39	3 20
S 12	1 18	1n48	1 51	0 19	0 58	12 14	1 8	21 42	1 25	16 44	1 13	9 57	2 16	16 51	0 40	0 51	1 30	26 27	6 46	8 12	8 37	14 59	2 38	3 20
M13	0 55	6 16	0 35	0s27	0 52	11 49	1 10	21 51	1 25	16 43	1 13	9 59	2 16	16 50	0 40	0 50	1 30	26 27	6 46	8 11	8 36	14 58	2 37	3 20
T 14	0 31	10 16	0s41	1 13	0 46	11 24	1 12	22 0	1 25	16 42	1 13	10 1	2 16	16 49	0 40	0 50	1 30	26 28	6 45	8 11	8 34	14 57	2 36	3 20
W15	0 8	13 37	1 52	1 59	0 39	10 59	1 13	22 9	1 26	16 42	1 14	10 2	2 16	16 48	0 40	0 49	1 30	26 28	6 45	8 12	8 33	14 55	2 35	3 20
T 16	0s16	16 11	2 56	2 45	0 33	10 33	1 15	22 18	1 26	16 41	1 14	10 4	2 16	16 47	0 40	0 48	1 30	26 28	6 45	8 12	8 32	14 54	2 33	3 20
F 17	0 39	17 52	3 49	3 30	0 26	10 7	1 16	22 26	1 26	16 40	1 14	10 5	2 16	16 46	0 40	0 47	1 30	26 28	6 45	8 13	8 31	14 53	2 32	3 20
S 18	1 3	18 38	4 30	4 15	0 19	9 41	1 18	22 34	1 26	16 39	1 14	10 7	2 16	16 46	0 40	0 46	1 30	26 28	6 45	8 13	8 30	14 51	2 31	3 20
S 19	1 27	18 32	4 59	4 59	0 13	9 14	1 19	22 42	1 26	16 38	1 14	10 8	2 16	16 45	0 40	0 45	1 30	26 28	6 45	8 13	8 29	14 50	2 30	3 20
M20	1 50	17 37	5 13	5 43	0 6	8 47	1 21	22 50	1 27	16 37	1 14	10 10	2 16	16 44	0 40	0 44	1 30	26 28	6 45	8 13	8 27	14 49	2 29	3 20
T 21	2 14	15 55	5 15	6 27	0s 1	8 20	1 22	22 58	1 27	16 36	1 14	10 11	2 16	16 43	0 40	0 43	1 30	26 28	6 45	8 13	8 26	14 48	2 28	3 19
W22	2 38	13 33	5 3	7 10	0 8	7 52	1 23	23 5	1 27	16 35	1 14	10 13	2 16	16 42	0 40	0 42	1 30	26 28	6 45	8 12	8 25	14 46	2 26	3 19
T 23	3 1	10 37	4 37	7 53	0 15	7 25	1 24	23 12	1 27	16 33	1 14	10 14	2 16	16 42	0 40	0 42	1 30	26 28	6 45	8 12	8 24	14 45	2 25	3 19
F 24	3 25	7 12	4 0	8 35	0 22	6 57	1 25	23 19	1 27	16 32	1 14	10 15	2 16	16 41	0 40	0 41	1 30	26 28	6 44	8 11	8 23	14 44	2 24	3 19
S 25	3 48	3 27	3 11	9 16	0 29	6 29	1 26	23 26	1 27	16 31	1 15	10 17	2 16	16 40	0 40	0 40	1 30	26 28	6 44	8 10	8 21	14 42	2 23	3 19
S 26	4 12	0s31	2 12	9 57	0 36	6 0	1 27	23 33	1 28	16 29	1 15	10 18	2 15	16 39	0 40	0 39	1 30	26 28	6 44	8 10	8 20	14 41	2 22	3 19
M27	4 35	4 33	1 6	10 37	0 43	5 32	1 28	23 39	1 28	16 28	1 15	10 19	2 15	16 39	0 40	0 38	1 30	26 28	6 44	8 9	8 19	14 40	2 20	3 19
T 28	4 58	8 26	0n 5	11 17	0 50	5 3	1 29	23 45	1 28	16 27	1 15	10 20	2 15	16 38	0 40	0 37	1 30	26 28	6 44	8 9	8 18	14 38	2 19	3 19
W29	5 22	11 59	1 17	11 56	0 56	4 34	1 29	23 51	1 28	16 25	1 15	10 22	2 15	16 37	0 40	0 36	1 30	26 28	6 44	8 9	8 17	14 37	2 18	3 19
T 30	5s45	14s59	2n26	12s34	1s 3	4n 5	1n30	23s57	1s28	16n24	1s15	10s23	2s15	16n37	0n40	0n36	1n30	26s27	6s44	8s10	8s15	14n36	2n17	3n18

Julian Day Number = 2191743.5, Delta T = 10m42s
Ecliptic obliquity = 23°31'46, Nutation = 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'11, Lahiri = 13°56'12 Julian Calendar 1 Sept. 1288 == Greg. Calendar 8 Sept. 1288

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

OCTOBER 1288 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 9 34	15♎31'09	1♐46	1♏41	24♍27	14♐ 6	19°R 8	8°R46	16♌29	2♎ 0	1°R29	20♎50	21♎ 2	3♌26	28°R 5	F 1
S 2	1 13 31	16°30'52	15°30	3°10	25°41	14°50	19♉ 2	8♓42	16°31	2° 2	1♒29	20°51	20°59	3°32	28♓ 2	S 2
S 3	1 17 27	17°30'36	29°25	4°38	26°56	15°34	18°56	8°39	16°33	2° 5	1°29	20°51	20°55	3°39	27°59	S 3
M 4	1 21 24	18°30'22	13♑28	6° 5	28°10	16°18	18°50	8°36	16°35	2° 7	1°29	20°R51	20°52	3°46	27°57	M 4
T 5	1 25 20	19°30'10	27°40	7°31	29°25	17° 2	18°44	8°33	16°38	2° 9	1°29	20°51	20°49	3°53	27°54	T 5
W 6	1 29 17	20°29'59	11♒56	8°57	0♎40	17°46	18°38	8°31	16°40	2°11	1°29	20°D51	20°46	3°59	27°52	W 6
T 7	1 33 13	21°29'50	26°15	10°22	1°55	18°31	18°31	8°28	16°42	2°13	1°D29	20°51	20°43	4° 6	27°49	T 7
F 8	1 37 10	22°29'43	10♓33	11°47	3°10	19°15	18°25	8°25	16°44	2°15	1°29	20°51	20°39	4°13	27°47	F 8
S 9	1 41 6	23°29'38	24°47	13°10	4°24	19°59	18°18	8°23	16°46	2°17	1°29	20°52	20°36	4°19	27°44	S 9
S 10	1 45 3	24°29'34	8♈51	14°33	5°39	20°44	18°11	8°20	16°48	2°20	1°29	20°52	20°33	4°26	27°42	S 10
M11	1 49 0	25°29'32	22°42	15°54	6°54	21°29	18° 4	8°18	16°50	2°22	1°29	20°R52	20°30	4°33	27°40	M11
T 12	1 52 56	26°29'32	6♉17	17°15	8° 9	22°13	17°57	8°15	16°51	2°24	1°29	20°52	20°27	4°40	27°37	T 12
W13	1 56 53	27°29'34	19°35	18°34	9°24	22°58	17°50	8°13	16°53	2°26	1°29	20°51	20°24	4°46	27°35	W13
T 14	2 0 49	28°29'38	2♊33	19°53	10°39	23°43	17°43	8°11	16°55	2°28	1°29	20°50	20°20	4°53	27°33	T 14
F 15	2 4 46	29°29'44	15°13	21°10	11°54	24°28	17°35	8° 9	16°57	2°30	1°30	20°49	20°17	5° 0	27°30	F 15
S 16	2 8 42	0♏29'53	27°36	22°26	13° 9	25°13	17°28	8° 7	16°58	2°32	1°30	20°48	20°14	5° 6	27°28	S 16
S 17	2 12 39	1°30'03	9♋45	23°40	14°24	25°58	17°20	8° 5	17° 0	2°34	1°30	20°47	20°11	5°13	27°26	S 17
M18	2 16 35	2°30'15	21°44	24°53	15°39	26°43	17°13	8° 3	17° 1	2°36	1°30	20°46	20° 8	5°20	27°24	M18
T 19	2 20 32	3°30'30	3♌38	26° 3	16°54	27°28	17° 5	8° 2	17° 3	2°38	1°31	20°D46	20° 5	5°27	27°22	T 19
W20	2 24 29	4°30'46	15°30	27°12	18° 9	28°13	16°57	8° 0	17° 4	2°40	1°31	20°46	20° 1	5°33	27°20	W20
T 21	2 28 25	5°31'05	27°26	28°18	19°25	28°59	16°49	7°59	17° 6	2°42	1°31	20°47	19°58	5°40	27°18	T 21
F 22	2 32 22	6°31'25	9♍31	29°22	20°40	29°44	16°41	7°57	17° 7	2°44	1°32	20°48	19°55	5°47	27°16	F 22
S 23	2 36 18	7°31'48	21°48	0♐22	21°55	0♑29	16°33	7°56	17° 8	2°46	1°32	20°50	19°52	5°53	27°14	S 23
S 24	2 40 15	8°32'12	4♎21	1°20	23°10	1°15	16°25	7°55	17°10	2°48	1°33	20°51	19°49	6° 0	27°12	S 24
M25	2 44 11	9°32'38	17°12	2°13	24°26	2° 0	16°17	7°54	17°11	2°50	1°33	20°R52	19°45	6° 7	27°10	M25
T 26	2 48 8	10°33'06	0♏23	3° 2	25°41	2°46	16° 9	7°53	17°12	2°51	1°34	20°51	19°42	6°14	27° 8	T 26
W27	2 52 4	11°33'36	13°53	3°47	26°56	3°31	16° 1	7°52	17°13	2°53	1°34	20°50	19°39	6°20	27° 6	W27
T 28	2 56 1	12°34'07	27°41	4°26	28°11	4°17	15°53	7°52	17°14	2°55	1°35	20°48	19°36	6°27	27° 5	T 28
F 29	2 59 57	13°34'40	11♐42	4°59	29°27	5° 3	15°45	7°51	17°15	2°57	1°35	20°45	19°33	6°34	27° 3	F 29
S 30	3 3 54	14°35'15	25°54	5°26	0♏42	5°49	15°36	7°51	17°16	2°59	1°36	20°41	19°30	6°40	27° 1	S 30
S 31	3 7 51	15♏35'50	10♑10	5♐45	1♏57	6♑35	15♉28	7♓50	17♌17	3♎ 0	1♒37	20♎38	19♎26	6♌47	27♓ 0	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6s 8	17s12	3n28	13s12	1s10	3n36	1n31	24s 2	1s28	16n22	1s15	10s24	2s15	16n36	0n40	0n35	1n30	26s27	6s44	8s10	8s14	14n34	2n16	3n18
S 2	6 31	18 27	4 19	13 49	1 17	3 7	1 31	24 7	1 28	16 20	1 15	10 25	2 15	16 35	0 40	0 34	1 30	26 27	6 44	8 10	8 13	14 33	2 15	3 18
S 3	6 54	18 36	4 55	14 25	1 23	2 37	1 31	24 12	1 28	16 19	1 15	10 26	2 15	16 35	0 40	0 33	1 30	26 27	6 44	8 10	8 12	14 32	2 14	3 18
M 4	7 17	17 38	5 15	15 0	1 29	2 8	1 32	24 17	1 28	16 17	1 15	10 27	2 15	16 34	0 40	0 32	1 30	26 27	6 43	8 10	8 11	14 30	2 12	3 18
T 5	7 40	15 33	5 15	15 35	1 36	1 38	1 32	24 22	1 28	16 15	1 15	10 28	2 15	16 33	0 40	0 31	1 30	26 27	6 43	8 10	8 9	14 29	2 11	3 18
W 6	8 2	12 32	4 56	16 9	1 42	1 9	1 32	24 26	1 28	16 14	1 15	10 29	2 14	16 33	0 40	0 30	1 30	26 27	6 43	8 10	8 8	14 28	2 10	3 18
T 7	8 25	8 45	4 19	16 41	1 48	0 39	1 32	24 30	1 29	16 12	1 15	10 30	2 14	16 32	0 40	0 30	1 30	26 27	6 43	8 10	8 7	14 26	2 9	3 18
F 8	8 47	4 28	3 26	17 13	1 54	0 9	1 32	24 34	1 29	16 10	1 15	10 31	2 14	16 32	0 41	0 29	1 30	26 27	6 43	8 10	8 6	14 25	2 8	3 17
S 9	9 9	0n 3	2 20	17 44	1 59	0s21	1 32	24 37	1 29	16 8	1 15	10 32	2 14	16 31	0 41	0 28	1 30	26 27	6 43	8 10	8 5	14 24	2 7	3 17
S 10	9 32	4 32	1 6	18 15	2 5	0 51	1 32	24 41	1 29	16 6	1 15	10 33	2 14	16 30	0 41	0 27	1 30	26 27	6 43	8 10	8 3	14 22	2 6	3 17
M11	9 54	8 42	0s10	18 44	2 10	1 20	1 32	24 44	1 29	16 4	1 15	10 33	2 14	16 30	0 41	0 26	1 30	26 26	6 43	8 10	8 2	14 21	2 5	3 17
T 12	10 15	12 20	1 25	19 12	2 15	1 50	1 32	24 46	1 29	16 2	1 15	10 34	2 14	16 29	0 41	0 25	1 30	26 26	6 42	8 10	8 1	14 19	2 4	3 17
W13	10 37	15 15	2 33	19 39	2 19	2 20	1 32	24 49	1 29	16 0	1 15	10 35	2 14	16 29	0 41	0 25	1 30	26 26	6 42	8 10	8 0	14 18	2 2	3 17
T 14	10 59	17 18	3 31	20 5	2 24	2 50	1 31	24 51	1 29	15 58	1 15	10 36	2 13	16 28	0 41	0 24	1 30	26 26	6 42	8 10	7 59	14 17	2 1	3 16
F 15	11 20	18 26	4 18	20 29	2 28	3 20	1 31	24 53	1 28	15 56	1 15	10 36	2 13	16 28	0 41	0 23	1 30	26 26	6 42	8 9	7 57	14 15	2 0	3 16
S 16	11 41	18 39	4 51	20 53	2 31	3 50	1 30	24 55	1 28	15 54	1 15	10 37	2 13	16 27	0 41	0 22	1 30	26 26	6 42	8 9	7 56	14 14	1 59	3 16
S 17	12 2	18 0	5 11	21 15	2 35	4 19	1 30	24 56	1 28	15 52	1 15	10 37	2 13	16 27	0 41	0 22	1 30	26 25	6 42	8 9	7 55	14 13	1 58	3 16
M18	12 23	16 33	5 16	21 36	2 38	4 49	1 29	24 58	1 28	15 50	1 15	10 38	2 13	16 26	0 41	0 21	1 31	26 25	6 42	8 8	7 54	14 11	1 57	3 16
T 19	12 44	14 25	5 9	21 56	2 40	5 18	1 28	24 59	1 28	15 48	1 15	10 38	2 13	16 26	0 41	0 20	1 31	26 25	6 42	8 8	7 53	14 10	1 56	3 16
W20	13 4	11 40	4 48	22 14	2 42	5 48	1 28	24 59	1 28	15 46	1 15	10 39	2 12	16 26	0 41	0 19	1 31	26 25	6 42	8 8	7 51	14 9	1 55	3 15
T 21	13 25	8 26	4 14	22 31	2 43	6 17	1 27	25 0	1 28	15 43	1 15	10 39	2 12	16 25	0 41	0 18	1 31	26 25	6 41	8 9	7 50	14 7	1 54	3 15
F 22	13 45	4 48	3 29	22 46	2 44	6 46	1 26	25 0	1 28	15 41	1 15	10 39	2 12	16 25	0 41	0 18	1 31	26 24	6 41	8 9	7 49	14 6	1 53	3 15
S 23	14 5	0 55	2 34	22 59	2 44	7 15	1 25	25 0	1 28	15 39	1 15	10 40	2 12	16 25	0 41	0 17	1 31	26 24	6 41	8 10	7 48	14 4	1 52	3 15
S 24	14 24	3s 7	1 30	23 11	2 44	7 44	1 24	24 59	1 28	15 37	1 15	10 40	2 12	16 24	0 41	0 16	1 31	26 24	6 41	8 10	7 47	14 3	1 51	3 15
M25	14 43	7 6	0 20	23 20	2 43	8 13	1 23	24 58	1 28	15 35	1 15	10 40	2 12	16 24	0 41	0 16	1 31	26 24	6 41	8 10	7 45	14 2	1 50	3 14
T 26	15 3	10 50	0n52	23 28	2 41	8 42	1 22	24 57	1 27	15 32	1 15	10 41	2 12	16 24	0 41	0 15	1 31	26 24	6 41	8 10	7 44	14 0	1 50	3 14
W27	15 21	14 6	2 4	23 34	2 38	9 10	1 20	24 56	1 27	15 30	1 15	10 41	2 11	16 23	0 41	0 14	1 31	26 23	6 41	8 10	7 43	13 59	1 49	3 14
T 28	15 40	16 39	3 9	23 37	2 33	9 38	1 19	24 55	1 27	15 28	1 15	10 41	2 11	16 23	0 41	0 13	1 31	26 23	6 41	8 9	7 42	13 57	1 48	3 14
F 29	15 58	18 14	4 4	23 38	2 28	10 6	1 18	24 53	1 27	15 26	1 14	10 41	2 11	16 23	0 41	0 13	1 31	26 23	6 41	8 8	7 41	13 56	1 47	3 14
S 30	16 16	18 43	4 45	23 37	2 22	10 34	1 16	24 51	1 27	15 23	1 14	10 41	2 11	16 23	0 41	0 12	1 31	26 23	6 40	8 6	7 39	13 55	1 46	3 14
S 31	16s34	18s 1	5n 9	23s33	2s14	11s 1	1n15	24s48	1s27	15n21	1s14	10s41	2s11	16n22	0n41	0n11	1n31	26s22	6s40	8s 5	7s38	13n53	1n45	3n13

Julian Day Number = 2191773.5, Delta T = 10m42s
Ecliptic obliquity = 23°31'46, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'15, Lahiri = 13°56'16 Julian Calendar 1 Oct. 1288 == Greg. Calendar 8 Oct. 1288

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

NOVEMBER 1288 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 11 47	16♏36'27	24♑28	5♐56	3♏13	7♑20	15°R20	7°R50	17♌18	3♎ 2	1♒37	20°R35	19♎23	6♌54	26°R58	M 1
T 2	3 15 44	17°37'05	8♒44	5°R58	4°28	8° 6	15♉12	7♓50	17°18	3° 4	1°38	20♎34	19°20	7° 1	26♓56	T 2
W 3	3 19 40	18°37'45	22°54	5°51	5°44	8°52	15° 4	7°D50	17°19	3° 6	1°39	20°D33	19°17	7° 7	26°55	W 3
T 4	3 23 37	19°38'25	6♓57	5°33	6°59	9°38	14°56	7°50	17°20	3° 7	1°39	20°34	19°14	7°14	26°54	T 4
F 5	3 27 33	20°39'06	20°52	5° 5	8°14	10°24	14°47	7°50	17°20	3° 9	1°40	20°36	19°11	7°21	26°52	F 5
S 6	3 31 30	21°39'49	4♈38	4°26	9°30	11°11	14°39	7°50	17°21	3°11	1°41	20°37	19° 7	7°27	26°51	S 6
S 7	3 35 26	22°40'33	18°13	3°36	10°45	11°57	14°31	7°50	17°21	3°12	1°42	20°R38	19° 4	7°34	26°50	S 7
M 8	3 39 23	23°41'18	1♉38	2°37	12° 1	12°43	14°23	7°51	17°22	3°14	1°43	20°38	19° 1	7°41	26°48	M 8
T 9	3 43 20	24°42'04	14°51	1°28	13°16	13°29	14°15	7°51	17°22	3°15	1°44	20°35	18°58	7°48	26°47	T 9
W10	3 47 16	25°42'51	27°51	0°13	14°31	14°15	14° 8	7°52	17°22	3°17	1°45	20°31	18°55	7°54	26°46	W10
T 11	3 51 13	26°43'40	10♊37	28♏53	15°47	15° 2	14° 0	7°53	17°23	3°18	1°45	20°26	18°51	8° 1	26°45	T 11
F 12	3 55 9	27°44'30	23°10	27°30	17° 2	15°48	13°52	7°54	17°23	3°20	1°46	20°19	18°48	8° 8	26°44	F 12
S 13	3 59 6	28°45'21	5♋29	26° 8	18°18	16°34	13°44	7°55	17°23	3°21	1°47	20°12	18°45	8°14	26°43	S 13
S 14	4 3 2	29°46'13	17°37	24°50	19°33	17°21	13°37	7°56	17°23	3°23	1°48	20° 5	18°42	8°21	26°42	S 14
M15	4 6 59	0♐47'07	29°35	23°37	20°49	18° 7	13°29	7°57	17°R23	3°24	1°49	19°59	18°39	8°28	26°41	M15
T 16	4 10 55	1°48'02	11♌28	22°32	22° 4	18°54	13°22	7°58	17°23	3°26	1°51	19°55	18°36	8°35	26°40	T 16
W17	4 14 52	2°48'59	23°19	21°36	23°20	19°40	13°15	8° 0	17°23	3°27	1°52	19°52	18°32	8°41	26°40	W17
T 18	4 18 49	3°49'56	5♍13	20°52	24°35	20°27	13° 7	8° 1	17°23	3°28	1°53	19°D52	18°29	8°48	26°39	T 18
F 19	4 22 45	4°50'55	17°15	20°18	25°51	21°13	13° 0	8° 3	17°22	3°30	1°54	19°53	18°26	8°55	26°38	F 19
S 20	4 26 42	5°51'55	29°30	19°57	27° 6	22° 0	12°53	8° 5	17°22	3°31	1°55	19°54	18°23	9° 1	26°38	S 20
S 21	4 30 38	6°52'56	12♎ 4	19°46	28°22	22°46	12°47	8° 7	17°22	3°32	1°56	19°55	18°20	9° 8	26°37	S 21
M22	4 34 35	7°53'59	24°59	19°D46	29°37	23°33	12°40	8° 9	17°22	3°33	1°57	19°R55	18°17	9°15	26°37	M22
T 23	4 38 31	8°55'02	8♏20	19°55	0♐53	24°20	12°33	8°11	17°21	3°34	1°59	19°54	18°13	9°22	26°36	T 23
W24	4 42 28	9°56'06	22° 6	20°14	2° 8	25° 6	12°27	8°13	17°21	3°36	2° 0	19°50	18°10	9°28	26°36	W24
T 25	4 46 24	10°57'12	6♐15	20°41	3°24	25°53	12°20	8°15	17°20	3°37	2° 1	19°43	18° 7	9°35	26°36	T 25
F 26	4 50 21	11°58'18	20°44	21°16	4°40	26°40	12°14	8°17	17°19	3°38	2° 2	19°35	18° 4	9°42	26°35	F 26
S 27	4 54 18	12°59'25	5♑25	21°57	5°55	27°26	12° 8	8°20	17°19	3°39	2° 4	19°26	18° 1	9°48	26°35	S 27
S 28	4 58 14	14° 0'32	20°11	22°44	7°11	28°13	12° 2	8°22	17°18	3°40	2° 5	19°18	17°57	9°55	26°35	S 28
M29	5 2 11	15° 1'40	4♒54	23°37	8°26	29° 0	11°57	8°25	17°17	3°41	2° 6	19°10	17°54	10° 2	26°35	M29
T 30	5 6 7	16♐ 2'48	19♒27	24♏34	9♐42	29♑47	11♉51	8♓28	17♌17	3♎42	2♒ 8	19♎ 5	17♎51	10♌ 9	26°D35	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s52	16s10	5n13	23s26	2s 5	11s29	1n14	24s46	1s26	15n19	1s14	10s41	2s10	16n22	0n42	0n11	1n31	26s22	6s40	8s 4	7s37	13n52	1n44	3n13
T 2	17 9	13 21	4 58	23 16	1 55	11 56	1 12	24 43	1 26	15 16	1 14	10 41	2 10	16 22	0 42	0 10	1 31	26 22	6 40	8 4	7 36	13 51	1 44	3 13
W 3	17 26	9 45	4 25	23 3	1 43	12 22	1 10	24 40	1 26	15 14	1 14	10 41	2 10	16 22	0 42	0 9	1 31	26 22	6 40	8 4	7 34	13 49	1 43	3 13
T 4	17 43	5 38	3 37	22 47	1 30	12 49	1 9	24 36	1 26	15 12	1 14	10 40	2 10	16 22	0 42	0 9	1 31	26 21	6 40	8 4	7 33	13 48	1 42	3 12
F 5	17 59	1 15	2 36	22 27	1 14	13 15	1 7	24 33	1 26	15 10	1 14	10 40	2 10	16 21	0 42	0 8	1 31	26 21	6 40	8 4	7 32	13 46	1 41	3 12
S 6	18 15	3n10	1 27	22 3	0 58	13 40	1 5	24 29	1 25	15 7	1 14	10 40	2 10	16 21	0 42	0 8	1 31	26 21	6 40	8 5	7 31	13 45	1 41	3 12
S 7	18 31	7 22	0 13	21 36	0 40	14 6	1 4	24 24	1 25	15 5	1 13	10 40	2 9	16 21	0 42	0 7	1 31	26 20	6 40	8 5	7 30	13 44	1 40	3 12
M 8	18 46	11 9	1s 0	21 6	0 21	14 31	1 2	24 20	1 25	15 3	1 13	10 39	2 9	16 21	0 42	0 6	1 31	26 20	6 39	8 5	7 28	13 42	1 39	3 12
T 9	19 1	14 18	2 8	20 33	0 1	14 56	1 0	24 15	1 25	15 1	1 13	10 39	2 9	16 21	0 42	0 6	1 31	26 20	6 39	8 4	7 27	13 41	1 39	3 11
W10	19 16	16 41	3 9	19 57	0n20	15 20	0 58	24 10	1 24	14 59	1 13	10 38	2 9	16 21	0 42	0 5	1 31	26 20	6 39	8 3	7 26	13 39	1 38	3 11
T 11	19 30	18 11	3 59	19 20	0 40	15 44	0 56	24 4	1 24	14 57	1 13	10 38	2 9	16 21	0 42	0 5	1 31	26 19	6 39	8 1	7 25	13 38	1 37	3 11
F 12	19 44	18 45	4 36	18 42	1 0	16 7	0 54	23 59	1 24	14 54	1 13	10 38	2 9	16 21	0 42	0 4	1 32	26 19	6 39	7 58	7 24	13 36	1 37	3 11
S 13	19 57	18 26	5 0	18 4	1 19	16 30	0 52	23 53	1 24	14 52	1 12	10 37	2 8	16 21	0 42	0 4	1 32	26 19	6 39	7 55	7 22	13 35	1 36	3 10
S 14	20 11	17 15	5 9	17 29	1 37	16 53	0 50	23 47	1 23	14 50	1 12	10 36	2 8	16 21	0 42	0 3	1 32	26 18	6 39	7 53	7 21	13 34	1 36	3 10
M15	20 23	15 20	5 5	16 55	1 53	17 15	0 48	23 40	1 23	14 48	1 12	10 36	2 8	16 21	0 42	0 3	1 32	26 18	6 39	7 50	7 20	13 32	1 35	3 10
T 16	20 36	12 47	4 48	16 26	2 7	17 37	0 46	23 33	1 23	14 46	1 12	10 35	2 8	16 21	0 42	0 2	1 32	26 18	6 39	7 49	7 19	13 31	1 34	3 10
W17	20 48	9 43	4 19	16 0	2 18	17 58	0 44	23 26	1 22	14 44	1 12	10 34	2 8	16 21	0 42	0 2	1 32	26 17	6 39	7 48	7 18	13 29	1 34	3 10
T 18	21 0	6 15	3 38	15 40	2 28	18 19	0 42	23 19	1 22	14 42	1 11	10 34	2 7	16 21	0 42	0 1	1 32	26 17	6 39	7 48	7 16	13 28	1 33	3 9
F 19	21 11	2 29	2 47	15 24	2 35	18 39	0 39	23 12	1 22	14 40	1 11	10 33	2 7	16 21	0 42	0 1	1 32	26 17	6 38	7 48	7 15	13 27	1 33	3 9
S 20	21 22	1s27	1 48	15 13	2 40	18 59	0 37	23 4	1 21	14 38	1 11	10 32	2 7	16 22	0 42	0 0	1 32	26 16	6 38	7 49	7 14	13 25	1 33	3 9
S 21	21 32	5 26	0 42	15 7	2 44	19 18	0 35	22 56	1 21	14 36	1 11	10 31	2 7	16 22	0 42	0s 0	1 32	26 16	6 38	7 49	7 13	13 24	1 32	3 9
M22	21 42	9 17	0n27	15 5	2 45	19 37	0 33	22 47	1 21	14 35	1 11	10 30	2 7	16 22	0 42	0 1	1 32	26 16	6 38	7 49	7 11	13 22	1 32	3 8
T 23	21 52	12 48	1 38	15 8	2 45	19 55	0 30	22 39	1 20	14 33	1 10	10 29	2 7	16 22	0 42	0 1	1 32	26 15	6 38	7 48	7 10	13 21	1 31	3 8
W24	22 1	15 43	2 44	15 14	2 44	20 13	0 28	22 30	1 20	14 31	1 10	10 28	2 6	16 22	0 43	0 2	1 32	26 15	6 38	7 47	7 9	13 19	1 31	3 8
T 25	22 10	17 47	3 43	15 24	2 41	20 29	0 26	22 21	1 20	14 29	1 10	10 27	2 6	16 22	0 43	0 2	1 32	26 14	6 38	7 45	7 8	13 18	1 31	3 8
F 26	22 19	18 45	4 28	15 36	2 38	20 46	0 23	22 12	1 19	14 28	1 10	10 26	2 6	16 23	0 43	0 2	1 32	26 14	6 38	7 42	7 7	13 16	1 30	3 7
S 27	22 27	18 29	4 56	15 51	2 34	21 2	0 21	22 2	1 19	14 26	1 9	10 25	2 6	16 23	0 43	0 3	1 32	26 14	6 38	7 38	7 5	13 15	1 30	3 7
S 28	22 34	16 58	5 5	16 8	2 29	21 17	0 19	21 52	1 18	14 25	1 9	10 24	2 6	16 23	0 43	0 3	1 32	26 13	6 38	7 35	7 4	13 14	1 30	3 7
M29	22 41	14 21	4 54	16 26	2 23	21 32	0 16	21 42	1 18	14 23	1 9	10 23	2 6	16 23	0 43	0 3	1 32	26 13	6 38	7 32	7 3	13 12	1 29	3 7
T 30	22s48	10s52	4n24	16s46	2n17	21s45	0n14	21s32	1s18	14n22	1s 9	10s22	2s 5	16n24	0n43	0s 4	1n32	26s13	6s38	7s30	7s 2	13n11	1n29	3n 7

Julian Day Number = 2191804.5, Delta T = 10m42s
Ecliptic obliquity = 23°31'45, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'20, Lahiri = 13°56'20 Julian Calendar 1 Nov. 1288 == Greg. Calendar 8 Nov. 1288

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ASTRODIENST EPHEMERIS for the year 1288
geocentric

DECEMBER 1288 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 10 4	17♐ 3'56	3♓45	25♏35	10♐57	0♒34	11°R46	8♓31	17°R16	3♎43	2♒ 9	19°R 2	17♎48	10♌15	26♓35	W 1
T 2	5 14 0	18° 5'04	17°46	26°39	12°13	1°20	11♉41	8°34	17♌15	3°44	2°10	19°D 1	17°45	10°22	26°35	T 2
F 3	5 17 57	19° 6'13	1♈31	27°47	13°28	2° 7	11°36	8°37	17°14	3°45	2°12	19♎ 2	17°42	10°29	26°35	F 3
S 4	5 21 54	20° 7'22	14°59	28°57	14°44	2°54	11°31	8°40	17°13	3°45	2°13	19°R 2	17°38	10°35	26°35	S 4
S 5	5 25 50	21° 8'30	28°14	0♐10	15°59	3°41	11°26	8°43	17°12	3°46	2°15	19° 2	17°35	10°42	26°36	S 5
M 6	5 29 47	22° 9'39	11♉15	1°24	17°15	4°28	11°21	8°46	17°11	3°47	2°16	19° 0	17°32	10°49	26°36	M 6
T 7	5 33 43	23°10'48	24° 5	2°41	18°30	5°15	11°17	8°50	17° 9	3°48	2°18	18°55	17°29	10°56	26°36	T 7
W 8	5 37 40	24°11'58	6♊45	3°59	19°46	6° 2	11°13	8°53	17° 8	3°48	2°19	18°47	17°26	11° 2	26°37	W 8
T 9	5 41 36	25°13'07	19°15	5°19	21° 1	6°49	11° 9	8°57	17° 7	3°49	2°21	18°36	17°23	11° 9	26°37	T 9
F 10	5 45 33	26°14'17	1♋35	6°40	22°17	7°36	11° 5	9° 1	17° 6	3°50	2°22	18°24	17°19	11°16	26°38	F 10
S 11	5 49 29	27°15'27	13°46	8° 2	23°32	8°22	11° 2	9° 5	17° 4	3°50	2°24	18°10	17°16	11°22	26°39	S 11
S 12	5 53 26	28°16'37	25°49	9°25	24°48	9° 9	10°58	9° 9	17° 3	3°51	2°25	17°57	17°13	11°29	26°39	S 12
M13	5 57 23	29°17'47	7♌45	10°49	26° 3	9°56	10°55	9°12	17° 1	3°51	2°27	17°45	17°10	11°36	26°40	M13
T 14	6 1 19	0♍18'57	19°36	12°14	27°19	10°43	10°52	9°17	17° 0	3°52	2°29	17°36	17° 7	11°43	26°41	T 14
W15	6 5 16	1°20'08	1♏25	13°40	28°34	11°30	10°49	9°21	16°58	3°52	2°30	17°29	17° 3	11°49	26°41	W15
T 16	6 9 12	2°21'19	13°17	15° 6	29°50	12°17	10°47	9°25	16°57	3°53	2°32	17°25	17° 0	11°56	26°42	T 16
F 17	6 13 9	3°22'30	25°16	16°33	1♎ 5	13° 4	10°45	9°29	16°55	3°53	2°33	17°23	16°57	12° 3	26°43	F 17
S 18	6 17 5	4°23'41	7♎27	18° 1	2°21	13°51	10°42	9°34	16°53	3°54	2°35	17°D23	16°54	12° 9	26°44	S 18
S 19	6 21 2	5°24'52	19°55	19°29	3°36	14°38	10°40	9°38	16°52	3°54	2°37	17°R23	16°51	12°16	26°45	S 19
M20	6 24 58	6°26'04	2♏47	20°58	4°52	15°25	10°39	9°43	16°50	3°54	2°38	17°22	16°48	12°23	26°46	M20
T 21	6 28 55	7°27'15	16° 5	22°27	6° 7	16°12	10°37	9°47	16°48	3°54	2°40	17°19	16°44	12°30	26°48	T 21
W22	6 32 52	8°28'27	29°53	23°57	7°23	16°59	10°36	9°52	16°46	3°55	2°42	17°14	16°41	12°36	26°49	W22
T 23	6 36 48	9°29'38	14♐11	25°28	8°38	17°45	10°35	9°57	16°44	3°55	2°43	17° 6	16°38	12°43	26°50	T 23
F 24	6 40 45	10°30'49	28°53	26°59	9°54	18°32	10°34	10° 2	16°42	3°55	2°45	16°55	16°35	12°50	26°51	F 24
S 25	6 44 41	11°32'00	13♑55	28°30	11° 9	19°19	10°33	10° 7	16°40	3°55	2°47	16°43	16°32	12°56	26°53	S 25
S 26	6 48 38	12°33'11	29° 5	0♑ 2	12°25	20° 6	10°32	10°12	16°38	3°55	2°49	16°31	16°29	13° 3	26°54	S 26
M27	6 52 34	13°34'21	14♒12	1°34	13°40	20°53	10°32	10°17	16°36	3°55	2°50	16°21	16°25	13°10	26°56	M27
T 28	6 56 31	14°35'30	29° 8	3° 7	14°56	21°40	10°D32	10°22	16°34	3°R55	2°52	16°13	16°22	13°17	26°57	T 28
W29	7 0 27	15°36'38	13♓45	4°40	16°11	22°27	10°32	10°27	16°32	3°55	2°54	16° 8	16°19	13°23	26°59	W29
T 30	7 4 24	16°37'46	27°58	6°14	17°27	23°14	10°32	10°33	16°30	3°55	2°56	16° 6	16°16	13°30	27° 0	T 30
F 31	7 8 21	17♑38'53	11♈47	7♑49	18♑42	24♒ 1	10♉33	10♓38	16♌28	3♎55	2♒58	16♎ 5	16♎13	13♌37	27♓ 2	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s54	6s47	3n38	17s 7	2n10	21s59	0n12	21s22	1s17	14n20	1s 8	10s21	2s 5	16n24	0n43	0s 4	1n33	26s12	6s38	7s29	7s 1	13n 9	1n29	3n 6
T 2	23 0	2 25	2 39	17 29	2 3	22 11	0 9	21 11	1 17	14 19	1 8	10 19	2 5	16 24	0 43	0 4	1 33	26 12	6 38	7 29	6 59	13 8	1 29	3 6
F 3	23 5	2n 1	1 32	17 52	1 56	22 23	0 7	21 0	1 16	14 18	1 8	10 18	2 5	16 25	0 43	0 5	1 33	26 11	6 37	7 29	6 58	13 6	1 29	3 6
S 4	23 10	6 16	0 22	18 14	1 48	22 35	0 4	20 49	1 16	14 16	1 8	10 17	2 5	16 25	0 43	0 5	1 33	26 11	6 37	7 29	6 57	13 5	1 29	3 6
S 5	23 14	10 7	0s49	18 37	1 40	22 45	0 2	20 37	1 15	14 15	1 7	10 15	2 5	16 25	0 43	0 5	1 33	26 11	6 37	7 29	6 56	13 3	1 28	3 5
M 6	23 18	13 26	1 56	19 0	1 33	22 55	0s 0	20 26	1 15	14 14	1 7	10 14	2 4	16 26	0 43	0 5	1 33	26 10	6 37	7 28	6 54	13 2	1 28	3 5
T 7	23 21	16 2	2 55	19 23	1 25	23 5	0 3	20 14	1 15	14 13	1 7	10 12	2 4	16 26	0 43	0 6	1 33	26 10	6 37	7 26	6 53	13 1	1 28	3 5
W 8	23 24	17 49	3 45	19 46	1 17	23 13	0 5	20 2	1 14	14 12	1 6	10 11	2 4	16 26	0 43	0 6	1 33	26 9	6 37	7 23	6 52	12 59	1 28	3 5
T 9	23 27	18 43	4 23	20 8	1 9	23 21	0 8	19 50	1 14	14 11	1 6	10 9	2 4	16 27	0 43	0 6	1 33	26 9	6 37	7 19	6 51	12 58	1 28	3 4
F 10	23 29	18 42	4 49	20 30	1 1	23 28	0 10	19 37	1 13	14 10	1 6	10 8	2 4	16 27	0 43	0 6	1 33	26 9	6 37	7 14	6 50	12 56	1 28	3 4
S 11	23 30	17 50	5 0	20 52	0 53	23 35	0 12	19 24	1 13	14 9	1 6	10 6	2 4	16 28	0 43	0 6	1 33	26 8	6 37	7 9	6 48	12 55	1 28	3 4
S 12	23 31	16 10	4 59	21 12	0 45	23 40	0 15	19 12	1 12	14 8	1 5	10 5	2 3	16 28	0 43	0 7	1 33	26 8	6 37	7 4	6 47	12 53	1 28	3 4
M13	23 32	13 50	4 44	21 33	0 37	23 45	0 17	18 58	1 12	14 8	1 5	10 3	2 3	16 29	0 43	0 7	1 33	26 7	6 37	7 0	6 46	12 52	1 28	3 3
T 14	23 32	10 56	4 16	21 52	0 29	23 50	0 19	18 45	1 11	14 7	1 5	10 1	2 3	16 29	0 43	0 7	1 33	26 7	6 37	6 56	6 45	12 50	1 28	3 3
W15	23 31	7 37	3 38	22 10	0 21	23 53	0 22	18 32	1 11	14 6	1 4	10 0	2 3	16 30	0 43	0 7	1 33	26 7	6 37	6 53	6 43	12 49	1 29	3 3
T 16	23 30	3 58	2 50	22 28	0 14	23 56	0 24	18 18	1 10	14 6	1 4	9 58	2 3	16 30	0 43	0 7	1 33	26 6	6 37	6 52	6 42	12 47	1 29	3 3
F 17	23 29	0 8	1 54	22 45	0 6	23 58	0 26	18 4	1 10	14 5	1 4	9 56	2 3	16 31	0 43	0 7	1 33	26 6	6 37	6 51	6 41	12 46	1 29	3 3
S 18	23 27	3s46	0 52	23 1	0s 1	23 59	0 29	17 50	1 9	14 5	1 4	9 54	2 3	16 31	0 43	0 7	1 34	26 5	6 37	6 51	6 40	12 44	1 29	3 2
S 19	23 25	7 37	0n13	23 15	0 9	24 0	0 31	17 36	1 9	14 5	1 3	9 52	2 2	16 32	0 43	0 7	1 34	26 5	6 37	6 51	6 39	12 43	1 29	3 2
M20	23 22	11 13	1 21	23 29	0 16	23 59	0 33	17 22	1 8	14 4	1 3	9 50	2 2	16 32	0 44	0 8	1 34	26 5	6 37	6 51	6 37	12 41	1 30	3 2
T 21	23 19	14 23	2 26	23 42	0 23	23 58	0 35	17 7	1 8	14 4	1 3	9 49	2 2	16 33	0 44	0 8	1 34	26 4	6 37	6 50	6 36	12 40	1 30	3 2
W22	23 15	16 52	3 25	23 53	0 30	23 57	0 37	16 52	1 7	14 4	1 2	9 47	2 2	16 34	0 44	0 8	1 34	26 4	6 37	6 48	6 35	12 39	1 30	3 1
T 23	23 11	18 24	4 13	24 4	0 37	23 54	0 40	16 37	1 6	14 4	1 2	9 45	2 2	16 34	0 44	0 8	1 34	26 3	6 37	6 44	6 34	12 37	1 30	3 1
F 24	23 7	18 46	4 46	24 13	0 43	23 51	0 42	16 22	1 6	14 4	1 2	9 43	2 2	16 35	0 44	0 8	1 34	26 3	6 37	6 40	6 32	12 36	1 31	3 1
S 25	23 2	17 50	5 0	24 21	0 49	23 47	0 44	16 7	1 5	14 4	1 2	9 41	2 2	16 35	0 44	0 8	1 34	26 2	6 37	6 36	6 31	12 34	1 31	3 1
S 26	22 56	15 38	4 53	24 27	0 56	23 42	0 46	15 52	1 5	14 4	1 1	9 39	2 1	16 36	0 44	0 8	1 34	26 2	6 37	6 31	6 30	12 33	1 31	3 0
M27	22 50	12 23	4 26	24 33	1 2	23 37	0 48	15 36	1 4	14 4	1 1	9 37	2 1	16 37	0 44	0 8	1 34	26 2	6 37	6 27	6 29	12 31	1 32	3 0
T 28	22 44	8 22	3 41	24 37	1 7	23 31	0 50	15 20	1 4	14 5	1 1	9 34	2 1	16 37	0 44	0 8	1 34	26 1	6 37	6 24	6 28	12 30	1 32	3 0
W29	22 37	3 55	2 42	24 40	1 13	23 24	0 52	15 5	1 3	14 5	1 0	9 32	2 1	16 38	0 44	0 7	1 34	26 1	6 37	6 22	6 26	12 28	1 33	3 0
T 30	22 29	0n38	1 34	24 41	1 18	23 16	0 54	14 49	1 3	14 5	1 0	9 30	2 1	16 39	0 44	0 7	1 34	26 0	6 37	6 21	6 25	12 27	1 33	3 0
F 31	22s22	5n 2	0n23	24s41	1s23	23s 8	0s55	14s33	1s 2	14n 6	1s 0	9s28	2s 1	16n39	0n44	0s 7	1n34	26s 0	6s37	6s21	6s24	12n25	1n33	2n59

Julian Day Number = 2191834.5, Delta T = 10m41s
Ecliptic obliquity = 23°31'44, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'24, Lahiri = 13°56'24 Julian Calendar 1 Dec. 1288 == Greg. Calendar 8 Dec. 1288

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

JANUARY 1289 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 12 17	18♉39'58	25♈13	9♉24	19♉57	24♒47	10♉34	10♓44	16°R26	3°R55	2♒59	16°R 5	16♎ 9	13♌43	27♓ 4	S 1
S 2	7 16 14	19°41'03	8♉19	10°59	21°13	25°34	10°35	10°49	16♌24	3♎55	3° 1	16♎ 4	16° 6	13°50	27° 6	S 2
M 3	7 20 10	20°42'07	21° 7	12°35	22°28	26°21	10°36	10°55	16°21	3°55	3° 3	16° 1	16° 3	13°57	27° 7	M 3
T 4	7 24 7	21°43'10	3♊42	14°12	23°44	27° 8	10°37	11° 1	16°19	3°54	3° 5	15°56	16° 0	14° 4	27° 9	T 4
W 5	7 28 3	22°44'12	16° 6	15°49	24°59	27°55	10°39	11° 6	16°17	3°54	3° 7	15°47	15°57	14°10	27°11	W 5
T 6	7 32 0	23°45'13	28°21	17°27	26°14	28°41	10°40	11°12	16°14	3°54	3° 8	15°35	15°54	14°17	27°13	T 6
F 7	7 35 56	24°46'13	10♋29	19° 5	27°30	29°28	10°42	11°18	16°12	3°54	3°10	15°22	15°50	14°24	27°15	F 7
S 8	7 39 53	25°47'12	22°30	20°44	28°45	0♓15	10°44	11°24	16°10	3°53	3°12	15° 7	15°47	14°30	27°17	S 8
S 9	7 43 50	26°48'10	4♌27	22°24	0♒ 0	1° 1	10°47	11°30	16° 7	3°53	3°14	14°52	15°44	14°37	27°19	S 9
M10	7 47 46	27°49'07	16°19	24° 4	1°16	1°48	10°49	11°36	16° 5	3°52	3°16	14°39	15°41	14°44	27°21	M10
T 11	7 51 43	28°50'03	28°10	25°45	2°31	2°35	10°52	11°42	16° 2	3°52	3°17	14°28	15°38	14°50	27°24	T 11
W12	7 55 39	29°50'58	10♍ 0	27°27	3°46	3°21	10°55	11°48	16° 0	3°52	3°19	14°21	15°34	14°57	27°26	W12
T 13	7 59 36	0♒51'52	21°52	29° 9	5° 1	4° 8	10°58	11°54	15°57	3°51	3°21	14°16	15°31	15° 4	27°28	T 13
F 14	8 3 32	1°52'46	3♎51	0♒52	6°17	4°55	11° 1	12° 1	15°55	3°50	3°23	14°13	15°28	15°11	27°30	F 14
S 15	8 7 29	2°53'38	16° 1	2°36	7°32	5°41	11° 5	12° 7	15°52	3°50	3°25	14°D13	15°25	15°17	27°33	S 15
S 16	8 11 25	3°54'30	28°26	4°21	8°47	6°28	11° 9	12°13	15°50	3°49	3°27	14°R13	15°22	15°24	27°35	S 16
M17	8 15 22	4°55'21	11♏12	6° 6	10° 3	7°14	11°13	12°20	15°47	3°49	3°28	14°13	15°19	15°31	27°38	M17
T 18	8 19 19	5°56'11	24°23	7°52	11°18	8° 1	11°17	12°26	15°45	3°48	3°30	14°12	15°15	15°37	27°40	T 18
W19	8 23 15	6°57'00	8♐ 3	9°38	12°33	8°47	11°21	12°33	15°42	3°47	3°32	14° 8	15°12	15°44	27°43	W19
T 20	8 27 12	7°57'48	22°13	11°26	13°48	9°33	11°25	12°39	15°39	3°47	3°34	14° 2	15° 9	15°51	27°45	T 20
F 21	8 31 8	8°58'35	6♑51	13°13	15° 3	10°20	11°30	12°46	15°37	3°46	3°36	13°53	15° 6	15°57	27°48	F 21
S 22	8 35 5	9°59'21	21°54	15° 2	16°19	11° 6	11°35	12°53	15°34	3°45	3°38	13°43	15° 3	16° 4	27°51	S 22
S 23	8 39 1	11° 0'05	7♒10	16°51	17°34	11°53	11°40	12°59	15°32	3°44	3°39	13°33	15° 0	16°11	27°53	S 23
M24	8 42 58	12° 0'48	22°30	18°40	18°49	12°39	11°45	13° 6	15°29	3°43	3°41	13°24	14°56	16°18	27°56	M24
T 25	8 46 54	13° 1'30	7♓42	20°30	20° 4	13°25	11°50	13°13	15°26	3°42	3°43	13°17	14°53	16°24	27°59	T 25
W26	8 50 51	14° 2'10	22°36	22°20	21°19	14°11	11°56	13°20	15°24	3°41	3°45	13°13	14°50	16°31	28° 1	W26
T 27	8 54 48	15° 2'48	7♈ 5	24° 9	22°34	14°58	12° 1	13°26	15°21	3°41	3°47	13°D11	14°47	16°38	28° 4	T 27
F 28	8 58 44	16° 3'24	21° 8	25°59	23°49	15°44	12° 7	13°33	15°18	3°40	3°49	13°11	14°44	16°44	28° 7	F 28
S 29	9 2 41	17° 3'59	4♉42	27°49	25° 4	16°30	12°13	13°40	15°16	3°39	3°50	13°12	14°40	16°51	28°10	S 29
S 30	9 6 37	18° 4'32	17°52	29°38	26°20	17°16	12°20	13°47	15°13	3°38	3°52	13°R13	14°37	16°58	28°13	S 30
M31	9 10 34	19♒ 5'03	0♊39	1♓26	27♒35	18♓ 2	12♉26	13♓54	15♌11	3♎37	3♒54	13♎12	14♎34	17♌ 5	28♓16	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s13	9n 3	0s48	24s40	1s28	22s59	0s57	14s16	1s 1	14n 6	1s 0	9s26	2s 1	16n40	0n44	0s 7	1n34	26s 0	6s37	6s21	6s23	12n24	1n34	2n59
S 2	22 5	12 31	1 55	24 37	1 33	22 49	0 59	14 0	1 1	14 7	0 59	9 24	2 1	16 41	0 44	0 7	1 34	25 59	6 37	6 21	6 21	12 22	1 34	2 59
M 3	21 56	15 19	2 54	24 32	1 37	22 39	1 1	13 43	1 0	14 7	0 59	9 21	2 0	16 42	0 44	0 7	1 34	25 59	6 37	6 20	6 20	12 21	1 35	2 59
T 4	21 46	17 19	3 43	24 27	1 41	22 28	1 2	13 27	1 0	14 8	0 59	9 19	2 0	16 42	0 44	0 7	1 35	25 58	6 37	6 17	6 19	12 19	1 36	2 59
W 5	21 36	18 28	4 21	24 19	1 45	22 16	1 4	13 10	0 59	14 9	0 58	9 17	2 0	16 43	0 44	0 7	1 35	25 58	6 37	6 14	6 18	12 18	1 36	2 58
T 6	21 26	18 45	4 47	24 10	1 48	22 3	1 6	12 53	0 58	14 10	0 58	9 14	2 0	16 44	0 44	0 7	1 35	25 58	6 37	6 9	6 17	12 16	1 37	2 58
F 7	21 15	18 9	4 59	24 0	1 51	21 50	1 7	12 36	0 58	14 11	0 58	9 12	2 0	16 44	0 44	0 6	1 35	25 57	6 37	6 4	6 15	12 15	1 37	2 58
S 8	21 4	16 45	4 57	23 48	1 54	21 36	1 9	12 19	0 57	14 12	0 57	9 10	2 0	16 45	0 44	0 6	1 35	25 57	6 37	5 58	6 14	12 13	1 38	2 58
S 9	20 52	14 38	4 43	23 35	1 57	21 22	1 10	12 2	0 57	14 13	0 57	9 7	2 0	16 46	0 44	0 6	1 35	25 56	6 37	5 53	6 13	12 12	1 39	2 57
M10	20 41	11 56	4 16	23 20	1 59	21 7	1 12	11 45	0 56	14 14	0 57	9 5	2 0	16 47	0 44	0 6	1 35	25 56	6 37	5 48	6 12	12 10	1 39	2 57
T 11	20 28	8 45	3 38	23 3	2 1	20 51	1 13	11 27	0 55	14 15	0 57	9 3	2 0	16 47	0 44	0 5	1 35	25 56	6 37	5 44	6 10	12 9	1 40	2 57
W12	20 15	5 13	2 51	22 45	2 2	20 35	1 14	11 10	0 55	14 16	0 56	9 0	2 0	16 48	0 44	0 5	1 35	25 55	6 37	5 41	6 9	12 7	1 41	2 57
T 13	20 2	1 28	1 56	22 25	2 3	20 18	1 15	10 52	0 54	14 17	0 56	8 58	1 59	16 49	0 44	0 5	1 35	25 55	6 38	5 39	6 8	12 6	1 41	2 57
F 14	19 49	2s23	0 55	22 3	2 4	20 1	1 17	10 35	0 54	14 18	0 56	8 55	1 59	16 50	0 44	0 5	1 35	25 54	6 38	5 38	6 7	12 4	1 42	2 57
S 15	19 35	6 11	0n10	21 40	2 4	19 42	1 18	10 17	0 53	14 20	0 55	8 53	1 59	16 50	0 44	0 4	1 35	25 54	6 38	5 38	6 6	12 3	1 43	2 56
S 16	19 21	9 47	1 15	21 15	2 4	19 24	1 19	9 59	0 52	14 21	0 55	8 50	1 59	16 51	0 44	0 4	1 35	25 54	6 38	5 38	6 4	12 1	1 44	2 56
M17	19 6	13 3	2 18	20 48	2 3	19 5	1 20	9 41	0 52	14 23	0 55	8 48	1 59	16 52	0 44	0 4	1 35	25 53	6 38	5 38	6 3	12 0	1 45	2 56
T 18	18 51	15 46	3 17	20 20	2 2	18 45	1 21	9 23	0 51	14 24	0 55	8 45	1 59	16 53	0 44	0 4	1 35	25 53	6 38	5 37	6 2	11 58	1 45	2 56
W19	18 36	17 41	4 6	19 50	2 0	18 24	1 22	9 5	0 50	14 26	0 54	8 42	1 59	16 54	0 44	0 3	1 35	25 53	6 38	5 36	6 1	11 56	1 46	2 56
T 20	18 21	18 36	4 42	19 19	1 58	18 4	1 22	8 47	0 50	14 27	0 54	8 40	1 59	16 54	0 44	0 3	1 35	25 52	6 38	5 33	5 59	11 55	1 47	2 55
F 21	18 5	18 20	5 1	18 45	1 55	17 42	1 23	8 29	0 49	14 29	0 54	8 37	1 59	16 55	0 44	0 2	1 35	25 52	6 38	5 30	5 58	11 53	1 48	2 55
S 22	17 49	16 48	5 0	18 10	1 52	17 20	1 24	8 10	0 48	14 31	0 54	8 35	1 59	16 56	0 44	0 2	1 36	25 51	6 38	5 26	5 57	11 52	1 49	2 55
S 23	17 32	14 4	4 38	17 34	1 48	16 58	1 25	7 52	0 48	14 33	0 53	8 32	1 59	16 57	0 44	0 2	1 36	25 51	6 38	5 22	5 56	11 50	1 50	2 55
M24	17 15	10 20	3 56	16 56	1 44	16 35	1 25	7 34	0 47	14 35	0 53	8 29	1 59	16 58	0 44	0 1	1 36	25 51	6 38	5 19	5 54	11 49	1 51	2 55
T 25	16 58	5 58	2 58	16 17	1 39	16 12	1 26	7 15	0 46	14 36	0 53	8 27	1 59	16 58	0 44	0 1	1 36	25 50	6 38	5 16	5 53	11 47	1 52	2 54
W26	16 41	1 18	1 48	15 36	1 33	15 48	1 26	6 57	0 46	14 38	0 52	8 24	1 59	16 59	0 44	0 1	1 36	25 50	6 39	5 14	5 52	11 46	1 53	2 54
T 27	16 23	3n19	0 33	14 53	1 27	15 24	1 27	6 38	0 45	14 40	0 52	8 21	1 58	17 0	0 44	0 0	1 36	25 50	6 39	5 14	5 51	11 44	1 53	2 54
F 28	16 5	7 37	0s42	14 10	1 20	15 0	1 27	6 20	0 44	14 42	0 52	8 19	1 58	17 1	0 44	0n 0	1 36	25 49	6 39	5 14	5 49	11 43	1 54	2 54
S 29	15 47	11 22	1 53	13 25	1 13	14 35	1 27	6 1	0 44	14 45	0 52	8 16	1 58	17 1	0 44	0 1	1 36	25 49	6 39	5 14	5 48	11 41	1 55	2 54
S 30	15 28	14 25	2 55	12 39	1 4	14 9	1 27	5 43	0 43	14 47	0 51	8 13	1 58	17 2	0 44	0 1	1 36	25 49	6 39	5 14	5 47	11 40	1 57	2 54
M31	15s 9	16n40	3s46	11s52	0s55	13s44	1s27	5s24	0s42	14n49	0s51	8s10	1s58	17n 3	0n44	0n 2	1n36	25s48	6s39	5s14	5s46	11n38	1n58	2n53

Julian Day Number = 2191865.5, Delta T = 10m41s
Ecliptic obliquity = 23°31'44, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'28, Lahiri = 13°56'28 Julian Calendar 1 Jan. 1289 == Greg. Calendar 8 Jan. 1289

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

FEBRUARY 1289 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 14 30	20♒ 5'32	13♊ 9	3♓13	28♒50	18♓48	12♉32	14♓ 1	15°R 8	3°R35	3♒56	13°R 9	14♎31	17♌11	28♓19	T 1
W 2	9 18 27	21° 5'59	25°26	4°58	0♓ 5	19°34	12°39	14° 8	15♌ 5	3♎34	3°58	13♎ 4	14°28	17°18	28°22	W 2
T 3	9 22 23	22° 6'25	7♋32	6°41	1°20	20°20	12°46	14°16	15° 3	3°33	3°59	12°57	14°25	17°25	28°25	T 3
F 4	9 26 20	23° 6'48	19°31	8°22	2°34	21° 6	12°53	14°23	15° 0	3°32	4° 1	12°48	14°21	17°31	28°28	F 4
S 5	9 30 17	24° 7'10	1♌25	10° 0	3°49	21°52	13° 0	14°30	14°58	3°31	4° 3	12°38	14°18	17°38	28°31	S 5
S 6	9 34 13	25° 7'30	13°17	11°35	5° 4	22°38	13° 7	14°37	14°55	3°30	4° 5	12°28	14°15	17°45	28°34	S 6
M 7	9 38 10	26° 7'48	25° 8	13° 5	6°19	23°24	13°15	14°44	14°52	3°29	4° 6	12°20	14°12	17°51	28°37	M 7
T 8	9 42 6	27° 8'04	7♍ 0	14°31	7°34	24°10	13°22	14°51	14°50	3°27	4° 8	12°13	14° 9	17°58	28°41	T 8
W 9	9 46 3	28° 8'19	18°54	15°51	8°49	24°55	13°30	14°59	14°47	3°26	4°10	12° 8	14° 6	18° 5	28°44	W 9
T 10	9 49 59	29° 8'31	0♎53	17° 6	10° 4	25°41	13°38	15° 6	14°45	3°25	4°11	12° 5	14° 2	18°12	28°47	T 10
F 11	9 53 56	0♓ 8'43	12°58	18°14	11°19	26°27	13°46	15°13	14°42	3°23	4°13	12°D 4	13°59	18°18	28°50	F 11
S 12	9 57 52	1° 8'52	25°14	19°15	12°33	27°12	13°54	15°21	14°40	3°22	4°15	12° 5	13°56	18°25	28°54	S 12
S 13	10 1 49	2° 9'00	7♏43	20° 8	13°48	27°58	14° 3	15°28	14°37	3°21	4°16	12° 6	13°53	18°32	28°57	S 13
M14	10 5 46	3° 9'06	20°29	20°53	15° 3	28°43	14°11	15°35	14°35	3°19	4°18	12° 8	13°50	18°38	29° 0	M14
T 15	10 9 42	4° 9'11	3♐36	21°30	16°18	29°29	14°20	15°43	14°32	3°18	4°20	12°R 9	13°46	18°45	29° 4	T 15
W16	10 13 39	5° 9'14	17° 8	21°58	17°32	0♈14	14°28	15°50	14°30	3°17	4°21	12° 8	13°43	18°52	29° 7	W16
T 17	10 17 35	6° 9'16	1♑ 6	22°18	18°47	1° 0	14°37	15°57	14°28	3°15	4°23	12° 6	13°40	18°58	29°10	T 17
F 18	10 21 32	7° 9'16	15°30	22°28	20° 2	1°45	14°46	16° 5	14°25	3°14	4°25	12° 2	13°37	19° 5	29°14	F 18
S 19	10 25 28	8° 9'14	0♒17	22°R29	21°16	2°31	14°55	16°12	14°23	3°12	4°26	11°57	13°34	19°12	29°17	S 19
S 20	10 29 25	9° 9'11	15°20	22°21	22°31	3°16	15° 4	16°20	14°21	3°11	4°28	11°52	13°31	19°18	29°21	S 20
M21	10 33 21	10° 9'05	0♓32	22° 4	23°45	4° 1	15°14	16°27	14°18	3° 9	4°29	11°48	13°27	19°25	29°24	M21
T 22	10 37 18	11° 8'58	15°42	21°40	25° 0	4°46	15°23	16°35	14°16	3° 8	4°31	11°44	13°24	19°32	29°28	T 22
W23	10 41 15	12° 8'48	0♈40	21° 8	26°14	5°32	15°33	16°42	14°14	3° 6	4°32	11°43	13°21	19°39	29°31	W23
T 24	10 45 11	13° 8'37	15°18	20°29	27°29	6°17	15°43	16°49	14°11	3° 5	4°34	11°D42	13°18	19°45	29°34	T 24
F 25	10 49 8	14° 8'23	29°31	19°45	28°43	7° 2	15°52	16°57	14° 9	3° 3	4°35	11°43	13°15	19°52	29°38	F 25
S 26	10 53 4	15° 8'07	13♉16	18°56	29°58	7°47	16° 2	17° 4	14° 7	3° 2	4°37	11°45	13°11	19°59	29°42	S 26
S 27	10 57 1	16° 7'49	26°35	18° 4	1♈12	8°32	16°12	17°12	14° 5	3° 0	4°38	11°46	13° 8	20° 5	29°45	S 27
M28	11 0 57	17♓ 7'29	9♊29	17♓10	2♈27	9♈17	16♉22	17♓19	14♌ 3	2♎59	4♒40	11♎47	13♎ 5	20♌12	29♓49	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s50	18n 4	4s26	11s 4	0s46	13s18	1s28	5s 5	0s42	14n51	0s51	8s 8	1s58	17n 4	0n44	0n 2	1n36	25s48	6s39	5s13	5s45	11n37	1n59	2n53
W 2	14 31	18 35	4 52	10 16	0 35	12 51	1 28	4 46	0 41	14 53	0 51	8 5	1 58	17 5	0 44	0 3	1 36	25 48	6 39	5 11	5 43	11 35	2 0	2 53
T 3	14 12	18 14	5 5	9 28	0 24	12 24	1 27	4 28	0 40	14 56	0 50	8 2	1 58	17 5	0 44	0 3	1 36	25 47	6 39	5 8	5 42	11 33	2 1	2 53
F 4	13 52	17 5	5 4	8 39	0 12	11 57	1 27	4 9	0 40	14 58	0 50	7 59	1 58	17 6	0 44	0 4	1 36	25 47	6 40	5 4	5 41	11 32	2 2	2 53
S 5	13 32	15 12	4 50	7 51	0 0	11 30	1 27	3 50	0 39	15 0	0 50	7 56	1 58	17 7	0 44	0 4	1 36	25 47	6 40	5 1	5 40	11 30	2 3	2 53
S 6	13 12	12 41	4 24	7 3	0n13	11 2	1 27	3 31	0 38	15 3	0 50	7 54	1 58	17 8	0 44	0 5	1 36	25 46	6 40	4 57	5 38	11 29	2 4	2 53
M 7	12 51	9 39	3 46	6 16	0 26	10 34	1 27	3 13	0 38	15 5	0 49	7 51	1 58	17 8	0 44	0 5	1 36	25 46	6 40	4 53	5 37	11 27	2 5	2 52
T 8	12 31	6 13	2 58	5 30	0 40	10 6	1 26	2 54	0 37	15 8	0 49	7 48	1 58	17 9	0 44	0 6	1 36	25 46	6 40	4 51	5 36	11 26	2 6	2 52
W 9	12 10	2 32	2 2	4 46	0 54	9 37	1 26	2 35	0 36	15 10	0 49	7 45	1 58	17 10	0 44	0 6	1 36	25 46	6 40	4 49	5 35	11 24	2 7	2 52
T 10	11 49	1s16	1 0	4 4	1 9	9 8	1 25	2 16	0 36	15 13	0 49	7 42	1 58	17 11	0 44	0 7	1 36	25 45	6 40	4 48	5 33	11 23	2 9	2 52
F 11	11 28	5 4	0n 5	3 24	1 23	8 39	1 25	1 57	0 35	15 16	0 48	7 39	1 58	17 11	0 44	0 7	1 36	25 45	6 41	4 47	5 32	11 21	2 10	2 52
S 12	11 6	8 42	1 11	2 46	1 38	8 10	1 24	1 38	0 34	15 18	0 48	7 37	1 58	17 12	0 44	0 8	1 36	25 45	6 41	4 48	5 31	11 20	2 11	2 52
S 13	10 45	12 0	2 15	2 12	1 53	7 41	1 23	1 20	0 34	15 21	0 48	7 34	1 58	17 13	0 44	0 8	1 37	25 44	6 41	4 48	5 30	11 18	2 12	2 52
M14	10 23	14 49	3 14	1 41	2 7	7 11	1 23	1 1	0 33	15 24	0 48	7 31	1 58	17 13	0 44	0 9	1 37	25 44	6 41	4 49	5 28	11 16	2 13	2 51
T 15	10 1	16 57	4 4	1 14	2 21	6 41	1 22	0 42	0 32	15 26	0 48	7 28	1 58	17 14	0 44	0 10	1 37	25 44	6 41	4 49	5 27	11 15	2 15	2 51
W16	9 39	18 13	4 43	0 50	2 34	6 11	1 21	0 23	0 32	15 29	0 47	7 25	1 58	17 15	0 44	0 10	1 37	25 44	6 41	4 49	5 26	11 13	2 16	2 51
T 17	9 17	18 25	5 6	0 31	2 47	5 41	1 20	0 5	0 31	15 32	0 47	7 22	1 58	17 16	0 44	0 11	1 37	25 43	6 41	4 48	5 25	11 12	2 17	2 51
F 18	8 55	17 28	5 11	0 17	2 58	5 10	1 19	0n14	0 30	15 35	0 47	7 19	1 58	17 16	0 44	0 11	1 37	25 43	6 42	4 46	5 24	11 10	2 18	2 51
S 19	8 33	15 21	4 56	0 7	3 9	4 40	1 18	0 33	0 30	15 38	0 47	7 16	1 58	17 17	0 44	0 12	1 37	25 43	6 42	4 45	5 22	11 9	2 20	2 51
S 20	8 10	12 9	4 21	0 1	3 18	4 9	1 17	0 52	0 29	15 41	0 46	7 14	1 58	17 18	0 44	0 13	1 37	25 43	6 42	4 43	5 21	11 7	2 21	2 51
M21	7 47	8 6	3 26	0 0	3 26	3 38	1 15	1 10	0 28	15 44	0 46	7 11	1 58	17 18	0 44	0 13	1 37	25 43	6 42	4 41	5 20	11 5	2 22	2 51
T 22	7 25	3 33	2 18	0 4	3 32	3 8	1 14	1 29	0 28	15 47	0 46	7 8	1 58	17 19	0 44	0 14	1 37	25 42	6 42	4 40	5 19	11 4	2 23	2 51
W23	7 2	1n11	1 0	0 13	3 36	2 37	1 13	1 48	0 27	15 50	0 46	7 5	1 58	17 20	0 44	0 14	1 37	25 42	6 42	4 39	5 17	11 2	2 25	2 50
T 24	6 39	5 44	0s20	0 26	3 39	2 6	1 11	2 6	0 26	15 53	0 46	7 2	1 58	17 20	0 44	0 15	1 37	25 42	6 43	4 39	5 16	11 1	2 26	2 50
F 25	6 16	9 50	1 36	0 42	3 40	1 35	1 10	2 25	0 26	15 56	0 45	6 59	1 58	17 21	0 44	0 16	1 37	25 42	6 43	4 39	5 15	10 59	2 27	2 50
S 26	5 53	13 16	2 45	1 3	3 38	1 4	1 9	2 43	0 25	15 59	0 45	6 56	1 58	17 21	0 44	0 16	1 37	25 42	6 43	4 40	5 14	10 58	2 29	2 50
S 27	5 29	15 52	3 42	1 26	3 35	0 33	1 7	3 1	0 24	16 2	0 45	6 53	1 58	17 22	0 44	0 17	1 37	25 41	6 43	4 40	5 12	10 56	2 30	2 50
M28	5s 6	17n34	4s26	1s52	3n30	0s 1	1s 5	3n20	0s23	16n 5	0s45	6s50	1s58	17n23	0n44	0n18	1n37	25s41	6s43	4s41	5s11	10n54	2n31	2n50

Julian Day Number = 2191896.5, Delta T = 10m41s
Ecliptic obliquity = 23°31'45, Nutation = 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'32, Lahiri = 13°56'33 Julian Calendar 1 Feb. 1289 == Greg. Calendar 8 Feb. 1289

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

MARCH 1289 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 4 54	18♓ 7'06	22♊ 2	16°R14	3♈41	10♈ 2	16♉33	17♓27	14°R 1	2°R57	4♒41	11°R47	13♎ 2	20♌19	29♓52	T 1
W 2	11 8 50	19° 6'41	4♋19	15♓19	4°55	10°46	16°43	17°34	13♌59	2♎56	4°43	11♎46	12°59	20°25	29°56	W 2
T 3	11 12 47	20° 6'14	16°22	14°25	6°10	11°31	16°54	17°42	13°57	2°54	4°44	11°44	12°56	20°32	29°59	T 3
F 4	11 16 43	21° 5'44	28°18	13°33	7°24	12°16	17° 4	17°49	13°55	2°52	4°45	11°42	12°52	20°39	0♈ 3	F 4
S 5	11 20 40	22° 5'12	10♌ 9	12°44	8°38	13° 1	17°15	17°57	13°53	2°51	4°47	11°39	12°49	20°46	0° 6	S 5
S 6	11 24 37	23° 4'38	22° 0	12° 0	9°52	13°45	17°26	18° 4	13°51	2°49	4°48	11°35	12°46	20°52	0°10	S 6
M 7	11 28 33	24° 4'02	3♍51	11°20	11° 7	14°30	17°36	18°12	13°49	2°47	4°49	11°33	12°43	20°59	0°14	M 7
T 8	11 32 30	25° 3'23	15°47	10°45	12°21	15°15	17°47	18°19	13°48	2°46	4°51	11°30	12°40	21° 6	0°17	T 8
W 9	11 36 26	26° 2'42	27°49	10°15	13°35	15°59	17°58	18°27	13°46	2°44	4°52	11°29	12°37	21°12	0°21	W 9
T 10	11 40 23	27° 1'59	9♎58	9°52	14°49	16°43	18°10	18°34	13°44	2°43	4°53	11°D29	12°33	21°19	0°25	T 10
F 11	11 44 19	28° 1'15	22°17	9°34	16° 3	17°28	18°21	18°41	13°42	2°41	4°54	11°29	12°30	21°26	0°28	F 11
S 12	11 48 16	29° 0'28	4♏46	9°22	17°17	18°12	18°32	18°49	13°41	2°39	4°56	11°30	12°27	21°32	0°32	S 12
S 13	11 52 12	29°59'39	17°29	9°16	18°31	18°57	18°44	18°56	13°39	2°38	4°57	11°31	12°24	21°39	0°35	S 13
M14	11 56 9	0♈58'49	0♐26	9°D15	19°45	19°41	18°55	19° 4	13°38	2°36	4°58	11°32	12°21	21°46	0°39	M14
T 15	12 0 6	1°57'57	13°40	9°20	20°59	20°25	19° 7	19°11	13°36	2°34	4°59	11°32	12°17	21°52	0°43	T 15
W16	12 4 2	2°57'03	27°12	9°30	22°13	21° 9	19°18	19°18	13°35	2°33	5° 0	11°R33	12°14	21°59	0°46	W16
T 17	12 7 59	3°56'07	11♑ 3	9°46	23°27	21°53	19°30	19°26	13°33	2°31	5° 1	11°33	12°11	22° 6	0°50	T 17
F 18	12 11 55	4°55'09	25°13	10° 6	24°40	22°37	19°42	19°33	13°32	2°29	5° 3	11°32	12° 8	22°13	0°53	F 18
S 19	12 15 52	5°54'10	9♒40	10°31	25°54	23°22	19°54	19°40	13°31	2°28	5° 4	11°32	12° 5	22°19	0°57	S 19
S 20	12 19 48	6°53'09	24°21	11° 1	27° 8	24° 5	20° 6	19°48	13°29	2°26	5° 5	11°31	12° 2	22°26	1° 1	S 20
M21	12 23 45	7°52'06	9♓10	11°34	28°22	24°49	20°18	19°55	13°28	2°24	5° 6	11°31	11°58	22°33	1° 4	M21
T 22	12 27 41	8°51'01	24° 1	12°12	29°35	25°33	20°30	20° 2	13°27	2°23	5° 7	11°31	11°55	22°39	1° 8	T 22
W23	12 31 38	9°49'54	8♈45	12°54	0♉49	26°17	20°42	20° 9	13°26	2°21	5° 8	11°D31	11°52	22°46	1°11	W23
T 24	12 35 34	10°48'45	23°15	13°39	2° 3	27° 1	20°54	20°16	13°25	2°19	5° 9	11°31	11°49	22°53	1°15	T 24
F 25	12 39 31	11°47'34	7♉27	14°28	3°16	27°45	21° 7	20°24	13°24	2°18	5° 9	11°R31	11°46	22°59	1°19	F 25
S 26	12 43 28	12°46'21	21°16	15°20	4°30	28°28	21°19	20°31	13°23	2°16	5°10	11°31	11°43	23° 6	1°22	S 26
S 27	12 47 24	13°45'06	4♊40	16°15	5°43	29°12	21°31	20°38	13°22	2°15	5°11	11°30	11°39	23°13	1°26	S 27
M28	12 51 21	14°43'49	17°40	17°13	6°57	29°56	21°44	20°45	13°21	2°13	5°12	11°30	11°36	23°19	1°29	M28
T 29	12 55 17	15°42'29	0♋18	18°14	8°10	0♉39	21°56	20°52	13°20	2°11	5°13	11°30	11°33	23°26	1°33	T 29
W30	12 59 14	16°41'07	12°38	19°18	9°24	1°23	22° 9	20°59	13°20	2°10	5°14	11°D30	11°30	23°33	1°36	W30
T 31	13 3 10	17♈39'43	24♋44	20♓24	10♉37	2♉ 6	22♉22	21♓ 6	13♌19	2♎ 8	5♒14	11♎30	11♎27	23♌39	1♈40	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s43	18n21	4s56	2s20	3n23	0n30	1s 4	3n38	0s23	16n 8	0s45	6s47	1s58	17n23	0n44	0n18	1n37	25s41	6s44	4s41	5s10	10n53	2n33	2n50
W 2	4 20	18 16	5 12	2 49	3 14	1 1	1 2	3 56	0 22	16 11	0 44	6 45	1 58	17 24	0 44	0 19	1 37	25 41	6 44	4 40	5 9	10 51	2 34	2 50
T 3	3 56	17 20	5 14	3 20	3 4	1 32	1 0	4 15	0 21	16 14	0 44	6 42	1 58	17 24	0 44	0 20	1 37	25 41	6 44	4 40	5 7	10 50	2 35	2 50
F 4	3 33	15 39	5 2	3 50	2 52	2 3	0 58	4 33	0 21	16 18	0 44	6 39	1 58	17 25	0 44	0 20	1 37	25 41	6 44	4 38	5 6	10 48	2 37	2 50
S 5	3 9	13 19	4 37	4 21	2 40	2 34	0 57	4 51	0 20	16 21	0 44	6 36	1 58	17 25	0 44	0 21	1 37	25 40	6 44	4 37	5 5	10 47	2 38	2 49
S 6	2 45	10 26	4 0	4 50	2 26	3 5	0 55	5 9	0 19	16 24	0 44	6 33	1 58	17 26	0 44	0 22	1 37	25 40	6 45	4 36	5 4	10 45	2 39	2 49
M 7	2 22	7 8	3 13	5 19	2 12	3 36	0 53	5 27	0 19	16 27	0 43	6 30	1 59	17 26	0 44	0 22	1 37	25 40	6 45	4 35	5 2	10 43	2 41	2 49
T 8	1 58	3 31	2 17	5 46	1 57	4 7	0 51	5 45	0 18	16 30	0 43	6 27	1 59	17 27	0 44	0 23	1 37	25 40	6 45	4 34	5 1	10 42	2 42	2 49
W 9	1 35	0s16	1 15	6 11	1 42	4 38	0 49	6 3	0 17	16 34	0 43	6 24	1 59	17 27	0 44	0 24	1 37	25 40	6 45	4 34	5 0	10 40	2 43	2 49
T 10	1 11	4 5	0 8	6 34	1 26	5 9	0 46	6 20	0 17	16 37	0 43	6 21	1 59	17 28	0 44	0 24	1 37	25 40	6 45	4 33	4 59	10 39	2 45	2 49
F 11	0 47	7 47	0n59	6 55	1 11	5 39	0 44	6 38	0 16	16 40	0 43	6 19	1 59	17 28	0 44	0 25	1 37	25 40	6 46	4 33	4 57	10 37	2 46	2 49
S 12	0 24	11 11	2 6	7 14	0 55	6 10	0 42	6 56	0 15	16 44	0 42	6 16	1 59	17 29	0 44	0 26	1 37	25 40	6 46	4 34	4 56	10 35	2 48	2 49
S 13	0 0	14 8	3 7	7 30	0 40	6 40	0 40	7 13	0 15	16 47	0 42	6 13	1 59	17 29	0 44	0 26	1 37	25 39	6 46	4 34	4 55	10 34	2 49	2 49
M14	0n23	16 25	3 59	7 44	0 25	7 10	0 38	7 31	0 14	16 50	0 42	6 10	1 59	17 30	0 44	0 27	1 37	25 39	6 46	4 35	4 54	10 32	2 50	2 49
T 15	0 47	17 53	4 41	7 56	0 11	7 40	0 35	7 48	0 13	16 54	0 42	6 7	1 59	17 30	0 44	0 28	1 37	25 39	6 47	4 35	4 53	10 31	2 52	2 49
W16	1 11	18 23	5 7	8 5	0s 3	8 10	0 33	8 5	0 13	16 57	0 42	6 4	1 59	17 30	0 44	0 28	1 37	25 39	6 47	4 35	4 51	10 29	2 53	2 49
T 17	1 34	17 48	5 17	8 12	0 17	8 40	0 31	8 23	0 12	17 0	0 42	6 2	1 59	17 31	0 44	0 29	1 37	25 39	6 47	4 35	4 50	10 27	2 55	2 49
F 18	1 58	16 7	5 8	8 16	0 30	9 9	0 28	8 40	0 11	17 4	0 41	5 59	1 59	17 31	0 44	0 30	1 37	25 39	6 47	4 35	4 49	10 26	2 56	2 49
S 19	2 21	13 24	4 40	8 18	0 42	9 39	0 26	8 57	0 11	17 7	0 41	5 56	1 59	17 32	0 44	0 30	1 37	25 39	6 47	4 35	4 48	10 24	2 57	2 49
S 20	2 45	9 47	3 53	8 18	0 54	10 8	0 23	9 14	0 10	17 10	0 41	5 53	1 59	17 32	0 44	0 31	1 37	25 39	6 48	4 34	4 46	10 23	2 59	2 49
M21	3 8	5 32	2 50	8 15	1 5	10 37	0 21	9 30	0 9	17 14	0 41	5 50	2 0	17 32	0 44	0 32	1 37	25 39	6 48	4 34	4 45	10 21	3 0	2 48
T 22	3 31	0 55	1 36	8 10	1 16	11 5	0 18	9 47	0 9	17 17	0 41	5 48	2 0	17 32	0 44	0 32	1 37	25 39	6 48	4 34	4 44	10 19	3 2	2 48
W23	3 55	3n43	0 15	8 4	1 26	11 33	0 16	10 4	0 8	17 21	0 41	5 45	2 0	17 33	0 43	0 33	1 37	25 39	6 48	4 34	4 43	10 18	3 3	2 48
T 24	4 18	8 4	1s 5	7 55	1 35	12 1	0 13	10 20	0 7	17 24	0 40	5 42	2 0	17 33	0 43	0 33	1 37	25 39	6 49	4 34	4 41	10 16	3 4	2 48
F 25	4 41	11 51	2 19	7 44	1 44	12 29	0 10	10 36	0 7	17 27	0 40	5 39	2 0	17 33	0 43	0 34	1 37	25 39	6 49	4 34	4 40	10 15	3 6	2 48
S 26	5 4	14 52	3 23	7 31	1 52	12 57	0 8	10 53	0 6	17 31	0 40	5 37	2 0	17 34	0 43	0 35	1 37	25 39	6 49	4 34	4 39	10 13	3 7	2 48
S 27	5 27	16 59	4 14	7 17	2 0	13 24	0 5	11 9	0 5	17 34	0 40	5 34	2 0	17 34	0 43	0 35	1 37	25 39	6 49	4 34	4 38	10 11	3 8	2 48
M28	5 50	18 8	4 51	7 1	2 7	13 51	0 3	11 25	0 5	17 38	0 40	5 31	2 0	17 34	0 43	0 36	1 37	25 39	6 50	4 34	4 36	10 10	3 10	2 48
T 29	6 12	18 20	5 11	6 42	2 13	14 17	0n 0	11 41	0 4	17 41	0 40	5 29	2 0	17 34	0 43	0 37	1 37	25 39	6 50	4 34	4 35	10 8	3 11	2 48
W30	6 35	17 40	5 17	6 23	2 19	14 43	0 3	11 57	0 3	17 44	0 40	5 26	2 1	17 34	0 43	0 37	1 37	25 39	6 50	4 34	4 34	10 6	3 13	2 48
T 31	6n57	16n11	5s 9	6s 1	2s24	15n 9	0n 6	12n12	0s 3	17n48	0s39	5s23	2s 1	17n35	0n43	0n38	1n37	25s39	6s50	4s34	4s33	10n 5	3n14	2n48

Julian Day Number = 2191924.5, Delta T = 10m41s
Ecliptic obliquity = 23°31'45, Nutation = 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'36, Lahiri = 13°56'37 Julian Calendar 1 March 1289 == Greg. Calendar 8 March 1289

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

APRIL 1289 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 7 7	18♈38'17	6♌40	21♓33	11♉50	2♉50	22♉35	21♓13	13°R18	2°R 7	5♒15	11♎30	11♎23	23♌46	1♈43	F 1
S 2	13 11 3	19°36'48	18°31	22°44	13° 4	3°33	22°47	21°20	13♌18	2♎ 5	5°16	11°31	11°20	23°53	1°47	S 2
S 3	13 15 0	20°35'18	0♍21	23°57	14°17	4°16	23° 0	21°27	13°17	2° 4	5°17	11°32	11°17	24° 0	1°50	S 3
M 4	13 18 57	21°33'45	12°15	25°13	15°30	4°59	23°13	21°34	13°17	2° 2	5°17	11°32	11°14	24° 6	1°54	M 4
T 5	13 22 53	22°32'10	24°16	26°31	16°43	5°43	23°26	21°40	13°16	2° 0	5°18	11°33	11°11	24°13	1°57	T 5
W 6	13 26 50	23°30'33	6♎26	27°51	17°56	6°26	23°39	21°47	13°16	1°59	5°19	11°R34	11° 8	24°20	2° 1	W 6
T 7	13 30 46	24°28'54	18°48	29°13	19° 9	7° 9	23°52	21°54	13°15	1°57	5°19	11°34	11° 4	24°26	2° 4	T 7
F 8	13 34 43	25°27'13	1♏24	0♈37	20°22	7°52	24° 5	22° 0	13°15	1°56	5°20	11°33	11° 1	24°33	2° 8	F 8
S 9	13 38 39	26°25'30	14°13	2° 4	21°35	8°35	24°18	22° 7	13°15	1°54	5°20	11°32	10°58	24°40	2°11	S 9
S 10	13 42 36	27°23'46	27°17	3°32	22°48	9°18	24°31	22°14	13°15	1°53	5°21	11°30	10°55	24°46	2°14	S 10
M11	13 46 32	28°22'00	10♐35	5° 2	24° 1	10° 1	24°45	22°20	13°14	1°52	5°21	11°27	10°52	24°53	2°18	M11
T 12	13 50 29	29°20'13	24° 6	6°34	25°14	10°43	24°58	22°27	13°14	1°50	5°22	11°25	10°48	25° 0	2°21	T 12
W13	13 54 26	0♑18'24	7♑50	8° 8	26°27	11°26	25°11	22°33	13°D14	1°49	5°22	11°23	10°45	25° 6	2°24	W13
T 14	13 58 22	1°16'33	21°45	9°43	27°40	12° 9	25°25	22°40	13°14	1°47	5°23	11°22	10°42	25°13	2°27	T 14
F 15	14 2 19	2°14'41	5♒51	11°21	28°52	12°52	25°38	22°46	13°14	1°46	5°23	11°D22	10°39	25°20	2°31	F 15
S 16	14 6 15	3°12'48	20° 4	13° 1	0♊ 5	13°34	25°51	22°52	13°15	1°45	5°23	11°23	10°36	25°26	2°34	S 16
S 17	14 10 12	4°10'53	4♓25	14°42	1°18	14°17	26° 5	22°59	13°15	1°43	5°24	11°24	10°33	25°33	2°37	S 17
M18	14 14 8	5° 8'57	18°48	16°25	2°30	15° 0	26°18	23° 5	13°15	1°42	5°24	11°25	10°29	25°40	2°40	M18
T 19	14 18 5	6° 6'59	3♈12	18°11	3°43	15°42	26°32	23°11	13°15	1°41	5°24	11°26	10°26	25°46	2°44	T 19
W20	14 22 1	7° 5'00	17°31	19°58	4°55	16°24	26°45	23°17	13°16	1°39	5°24	11°R26	10°23	25°53	2°47	W20
T 21	14 25 58	8° 2'59	1♉41	21°47	6° 8	17° 7	26°59	23°23	13°16	1°38	5°25	11°25	10°20	26° 0	2°50	T 21
F 22	14 29 55	9° 0'57	15°37	23°38	7°20	17°49	27°13	23°29	13°17	1°37	5°25	11°22	10°17	26° 7	2°53	F 22
S 23	14 33 51	9°58'53	29°17	25°31	8°33	18°32	27°26	23°35	13°17	1°36	5°25	11°19	10°14	26°13	2°56	S 23
S 24	14 37 48	10°56'48	12♊36	27°25	9°45	19°14	27°40	23°41	13°18	1°34	5°25	11°14	10°10	26°20	2°59	S 24
M25	14 41 44	11°54'41	25°35	29°22	10°57	19°56	27°54	23°47	13°18	1°33	5°25	11° 9	10° 7	26°27	3° 2	M25
T 26	14 45 41	12°52'32	8♋15	1♉20	12°10	20°38	28° 7	23°53	13°19	1°32	5°25	11° 5	10° 4	26°33	3° 5	T 26
W27	14 49 37	13°50'22	20°36	3°21	13°22	21°20	28°21	23°58	13°20	1°31	5°25	11° 1	10° 1	26°40	3° 8	W27
T 28	14 53 34	14°48'10	2♌43	5°23	14°34	22° 2	28°35	24° 4	13°20	1°30	5°26	10°59	9°58	26°47	3°11	T 28
F 29	14 57 30	15°45'56	14°40	7°26	15°46	22°44	28°49	24°10	13°21	1°29	5°R26	10°D58	9°54	26°53	3°14	F 29
S 30	15 1 27	16♉43'40	26♌31	9♉31	16♊58	23♉26	29♉ 2	24♓15	13♌22	1♎28	5♒26	10♎59	9♎51	27♌ 0	3♈16	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n20	14n 2	4s47	5s38	2s28	15n34	0n 8	12n28	0s 2	17n51	0s39	5s21	2s 1	17n35	0n43	0n39	1n37	25s39	6s51	4s34	4s31	10n 3	3n15	2n48
S 2	7 42	11 19	4 14	5 14	2 32	15 59	0 11	12 43	0 1	17 55	0 39	5 18	2 1	17 35	0 43	0 39	1 37	25 39	6 51	4 34	4 30	10 2	3 17	2 48
S 3	8 4	8 8	3 29	4 47	2 36	16 24	0 14	12 59	0 1	17 58	0 39	5 15	2 1	17 35	0 43	0 40	1 37	25 39	6 51	4 35	4 29	10 0	3 18	2 48
M 4	8 26	4 36	2 36	4 20	2 38	16 48	0 16	13 14	0 0	18 1	0 39	5 13	2 1	17 35	0 43	0 40	1 37	25 39	6 51	4 35	4 28	9 58	3 20	2 48
T 5	8 48	0 51	1 34	3 51	2 41	17 12	0 19	13 29	0n 1	18 5	0 39	5 10	2 1	17 35	0 43	0 41	1 37	25 39	6 52	4 35	4 26	9 57	3 21	2 48
W 6	9 10	3s 0	0 28	3 20	2 42	17 35	0 22	13 44	0 1	18 8	0 38	5 8	2 1	17 35	0 43	0 42	1 37	25 40	6 52	4 35	4 25	9 55	3 22	2 48
T 7	9 31	6 47	0n40	2 48	2 43	17 58	0 25	13 59	0 2	18 11	0 38	5 5	2 2	17 35	0 43	0 42	1 37	25 40	6 52	4 35	4 24	9 54	3 24	2 48
F 8	9 53	10 19	1 48	2 15	2 44	18 21	0 27	14 13	0 2	18 15	0 38	5 3	2 2	17 35	0 43	0 43	1 37	25 40	6 52	4 35	4 23	9 52	3 25	2 48
S 9	10 14	13 27	2 51	1 41	2 44	18 43	0 30	14 28	0 3	18 18	0 38	5 0	2 2	17 35	0 43	0 43	1 37	25 40	6 53	4 35	4 21	9 50	3 26	2 48
S 10	10 35	15 57	3 47	1 5	2 43	19 4	0 33	14 42	0 4	18 22	0 38	4 58	2 2	17 35	0 43	0 44	1 37	25 40	6 53	4 34	4 20	9 49	3 28	2 48
M11	10 56	17 39	4 31	0 28	2 42	19 25	0 36	14 57	0 4	18 25	0 38	4 55	2 2	17 36	0 43	0 44	1 37	25 40	6 53	4 33	4 19	9 47	3 29	2 48
T 12	11 17	18 23	5 1	0n10	2 40	19 46	0 38	15 11	0 5	18 28	0 38	4 53	2 2	17 35	0 43	0 45	1 37	25 40	6 53	4 32	4 18	9 45	3 30	2 48
W13	11 37	18 3	5 15	0 49	2 38	20 6	0 41	15 25	0 6	18 32	0 38	4 50	2 2	17 35	0 43	0 46	1 37	25 40	6 54	4 31	4 16	9 44	3 32	2 48
T 14	11 58	16 39	5 10	1 30	2 35	20 25	0 44	15 38	0 6	18 35	0 37	4 48	2 3	17 35	0 43	0 46	1 37	25 40	6 54	4 31	4 15	9 42	3 33	2 48
F 15	12 18	14 14	4 47	2 11	2 31	20 44	0 46	15 52	0 7	18 38	0 37	4 46	2 3	17 35	0 43	0 47	1 37	25 41	6 54	4 31	4 14	9 40	3 34	2 48
S 16	12 38	10 57	4 6	2 54	2 27	21 3	0 49	16 6	0 8	18 42	0 37	4 43	2 3	17 35	0 43	0 47	1 37	25 41	6 54	4 31	4 13	9 39	3 36	2 48
S 17	12 58	6 59	3 10	3 37	2 23	21 20	0 52	16 19	0 8	18 45	0 37	4 41	2 3	17 35	0 43	0 48	1 37	25 41	6 55	4 31	4 11	9 37	3 37	2 48
M18	13 17	2 35	2 1	4 22	2 18	21 38	0 54	16 32	0 9	18 48	0 37	4 38	2 3	17 35	0 43	0 48	1 37	25 41	6 55	4 32	4 10	9 36	3 38	2 48
T 19	13 37	1n58	0 45	5 7	2 12	21 54	0 57	16 45	0 9	18 51	0 37	4 36	2 3	17 35	0 43	0 49	1 37	25 41	6 55	4 32	4 9	9 34	3 39	2 48
W20	13 56	6 23	0s33	5 53	2 6	22 10	0 59	16 58	0 10	18 55	0 37	4 34	2 4	17 35	0 43	0 49	1 37	25 41	6 55	4 32	4 8	9 32	3 41	2 48
T 21	14 15	10 24	1 49	6 40	2 0	22 26	1 2	17 11	0 11	18 58	0 37	4 32	2 4	17 35	0 43	0 50	1 37	25 42	6 56	4 32	4 6	9 31	3 42	2 48
F 22	14 33	13 46	2 57	7 28	1 53	22 41	1 4	17 23	0 11	19 1	0 36	4 29	2 4	17 35	0 42	0 50	1 37	25 42	6 56	4 31	4 5	9 29	3 43	2 48
S 23	14 52	16 17	3 53	8 16	1 45	22 55	1 7	17 36	0 12	19 4	0 36	4 27	2 4	17 34	0 42	0 51	1 37	25 42	6 56	4 29	4 4	9 27	3 44	2 48
S 24	15 10	17 51	4 35	9 5	1 37	23 8	1 9	17 48	0 12	19 8	0 36	4 25	2 4	17 34	0 42	0 51	1 37	25 42	6 56	4 28	4 3	9 26	3 46	2 48
M25	15 28	18 26	5 1	9 54	1 29	23 21	1 12	18 0	0 13	19 11	0 36	4 23	2 5	17 34	0 42	0 51	1 37	25 43	6 57	4 26	4 1	9 24	3 47	2 48
T 26	15 46	18 5	5 12	10 44	1 20	23 34	1 14	18 12	0 14	19 14	0 36	4 21	2 5	17 34	0 42	0 52	1 37	25 43	6 57	4 24	4 0	9 22	3 48	2 48
W27	16 3	16 52	5 8	11 34	1 11	23 45	1 17	18 24	0 14	19 17	0 36	4 19	2 5	17 33	0 42	0 52	1 37	25 43	6 57	4 23	3 59	9 21	3 49	2 48
T 28	16 20	14 55	4 51	12 24	1 2	23 56	1 19	18 35	0 15	19 20	0 36	4 17	2 5	17 33	0 42	0 53	1 37	25 43	6 58	4 22	3 58	9 19	3 51	2 48
F 29	16 37	12 21	4 20	13 14	0 52	24 7	1 21	18 47	0 15	19 23	0 36	4 15	2 5	17 33	0 42	0 53	1 37	25 44	6 58	4 21	3 56	9 17	3 52	2 48
S 30	16n54	9n17	3s39	14n 4	0s42	24n16	1n23	18n58	0n16	19n26	0s36	4s13	2s 5	17n33	0n42	0n54	1n37	25s44	6s58	4s22	3s55	9n16	3n53	2n48

Julian Day Number = 2191955.5, Delta T = 10m41s
Ecliptic obliquity = 23°31'45, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'40, Lahiri = 13°56'41 Julian Calendar 1 Apr. 1289 == Greg. Calendar 8 Apr. 1289

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

MAY 1289 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 5 24	17♉41'23	8♍22	11♉38	18♊10	24♉ 8	29♉16	24♓21	13♌23	1°R27	5°R25	11♎ 0	9♎48	27♌ 7	3♈19	S 1
M 2	15 9 20	18°39'04	20°18	13°46	19°22	24°50	29°30	24°26	13°24	1♎26	5♒25	11° 2	9°45	27°13	3°22	M 2
T 3	15 13 17	19°36'43	2♎22	15°55	20°34	25°32	29°44	24°32	13°25	1°25	5°25	11° 3	9°42	27°20	3°25	T 3
W 4	15 17 13	20°34'21	14°40	18° 5	21°46	26°14	29°58	24°37	13°26	1°24	5°25	11°R 3	9°39	27°27	3°28	W 4
T 5	15 21 10	21°31'58	27°13	20°16	22°57	26°56	0♊12	24°42	13°27	1°23	5°25	11° 2	9°35	27°33	3°30	T 5
F 6	15 25 6	22°29'33	10♏ 5	22°28	24° 9	27°37	0°26	24°47	13°28	1°22	5°25	10°59	9°32	27°40	3°33	F 6
S 7	15 29 3	23°27'07	23°16	24°39	25°21	28°19	0°39	24°52	13°30	1°21	5°25	10°54	9°29	27°47	3°35	S 7
S 8	15 32 59	24°24'40	6♐44	26°51	26°32	29° 1	0°53	24°57	13°31	1°20	5°24	10°48	9°26	27°53	3°38	S 8
M 9	15 36 56	25°22'12	20°28	29° 3	27°44	29°42	1° 7	25° 2	13°32	1°19	5°24	10°41	9°23	28° 0	3°41	M 9
T 10	15 40 53	26°19'42	4♑24	1♊13	28°55	0♊24	1°21	25° 7	13°34	1°18	5°24	10°34	9°20	28° 7	3°43	T 10
W11	15 44 49	27°17'12	18°30	3°24	0♋ 7	1° 5	1°35	25°12	13°35	1°18	5°24	10°28	9°16	28°13	3°45	W11
T 12	15 48 46	28°14'41	2♒40	5°32	1°18	1°46	1°49	25°16	13°37	1°17	5°23	10°23	9°13	28°20	3°48	T 12
F 13	15 52 42	29°12'09	16°52	7°40	2°29	2°28	2° 3	25°21	13°38	1°16	5°23	10°21	9°10	28°27	3°50	F 13
S 14	15 56 39	0♊ 9'37	1♓ 3	9°46	3°40	3° 9	2°17	25°26	13°40	1°16	5°22	10°D20	9° 7	28°34	3°53	S 14
S 15	16 0 35	1° 7'03	15°11	11°51	4°52	3°50	2°31	25°30	13°41	1°15	5°22	10°21	9° 4	28°40	3°55	S 15
M16	16 4 32	2° 4'29	29°16	13°53	6° 3	4°32	2°45	25°35	13°43	1°14	5°22	10°22	9° 0	28°47	3°57	M16
T 17	16 8 28	3° 1'54	13♈16	15°54	7°14	5°13	2°59	25°39	13°45	1°14	5°21	10°R22	8°57	28°54	3°59	T 17
W18	16 12 25	3°59'19	27° 8	17°52	8°25	5°54	3°13	25°43	13°47	1°13	5°21	10°21	8°54	29° 0	4° 2	W18
T 19	16 16 21	4°56'43	10♉53	19°48	9°36	6°35	3°27	25°47	13°48	1°13	5°20	10°17	8°51	29° 7	4° 4	T 19
F 20	16 20 18	5°54'06	24°27	21°41	10°46	7°16	3°40	25°51	13°50	1°12	5°20	10°11	8°48	29°14	4° 6	F 20
S 21	16 24 15	6°51'28	7♊47	23°33	11°57	7°57	3°54	25°55	13°52	1°12	5°19	10° 3	8°45	29°20	4° 8	S 21
S 22	16 28 11	7°48'50	20°53	25°22	13° 8	8°38	4° 8	25°59	13°54	1°11	5°19	9°54	8°41	29°27	4°10	S 22
M23	16 32 8	8°46'11	3♋43	27° 8	14°19	9°19	4°22	26° 3	13°56	1°11	5°18	9°43	8°38	29°34	4°12	M23
T 24	16 36 4	9°43'31	16°16	28°52	15°29	10° 0	4°36	26° 7	13°58	1°10	5°17	9°34	8°35	29°40	4°14	T 24
W25	16 40 1	10°40'50	28°34	0♋33	16°40	10°41	4°50	26°11	14° 0	1°10	5°17	9°25	8°32	29°47	4°16	W25
T 26	16 43 57	11°38'08	10♌39	2°11	17°50	11°22	5° 4	26°14	14° 3	1°10	5°16	9°19	8°29	29°54	4°17	T 26
F 27	16 47 54	12°35'25	22°35	3°47	19° 1	12° 3	5°18	26°18	14° 5	1° 9	5°15	9°14	8°25	0♍ 0	4°19	F 27
S 28	16 51 51	13°32'42	4♍25	5°21	20°11	12°43	5°32	26°21	14° 7	1° 9	5°15	9°12	8°22	0° 7	4°21	S 28
S 29	16 55 47	14°29'57	16°16	6°52	21°21	13°24	5°45	26°24	14° 9	1° 9	5°14	9°D12	8°19	0°14	4°23	S 29
M30	16 59 44	15°27'12	28°11	8°20	22°31	14° 5	5°59	26°28	14°11	1° 9	5°13	9°12	8°16	0°20	4°24	M30
T 31	17 3 40	16♊24'26	10♎16	9♋45	23♋41	14♊45	6♊13	26♓31	14♌14	1♎ 9	5♒12	9°R13	8♎13	0♍27	4♈26	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n10	5n51	2s49	14n53	0s31	24n25	1n25	19n 9	0n17	19n30	0s35	4s11	2s 6	17n32	0n42	0n54	1n37	25s44	6s58	4s22	3s54	9n14	3n54	2n49
M 2	17 26	2 10	1 51	15 42	0 21	24 33	1 28	19 20	0 17	19 33	0 35	4 9	2 6	17 32	0 42	0 54	1 36	25 44	6 59	4 23	3 53	9 12	3 55	2 49
T 3	17 42	1s40	0 47	16 30	0 10	24 41	1 30	19 30	0 18	19 36	0 35	4 7	2 6	17 32	0 42	0 55	1 36	25 45	6 59	4 23	3 51	9 11	3 56	2 49
W 4	17 58	5 30	0n20	17 17	0n 0	24 48	1 32	19 41	0 18	19 39	0 35	4 5	2 6	17 31	0 42	0 55	1 36	25 45	6 59	4 23	3 50	9 9	3 57	2 49
T 5	18 13	9 10	1 27	18 3	0 11	24 54	1 34	19 51	0 19	19 42	0 35	4 3	2 6	17 31	0 42	0 55	1 36	25 45	6 59	4 23	3 49	9 8	3 59	2 49
F 6	18 28	12 30	2 31	18 48	0 21	24 59	1 36	20 1	0 20	19 45	0 35	4 1	2 7	17 31	0 42	0 56	1 36	25 45	7 0	4 22	3 48	9 6	4 0	2 49
S 7	18 42	15 17	3 29	19 31	0 32	25 4	1 37	20 11	0 20	19 48	0 35	3 59	2 7	17 30	0 42	0 56	1 36	25 46	7 0	4 20	3 46	9 4	4 1	2 49
S 8	18 57	17 19	4 16	20 12	0 42	25 8	1 39	20 21	0 21	19 51	0 35	3 57	2 7	17 30	0 42	0 56	1 36	25 46	7 0	4 17	3 45	9 3	4 2	2 49
M 9	19 11	18 22	4 49	20 51	0 51	25 12	1 41	20 31	0 21	19 54	0 35	3 56	2 7	17 29	0 42	0 57	1 36	25 46	7 0	4 15	3 44	9 1	4 3	2 49
T 10	19 24	18 21	5 6	21 28	1 1	25 14	1 43	20 40	0 22	19 57	0 35	3 54	2 8	17 29	0 42	0 57	1 36	25 47	7 1	4 12	3 43	8 59	4 4	2 49
W11	19 38	17 12	5 5	22 3	1 10	25 16	1 44	20 49	0 22	20 0	0 34	3 52	2 8	17 29	0 42	0 57	1 36	25 47	7 1	4 9	3 41	8 58	4 5	2 49
T 12	19 51	15 0	4 45	22 35	1 18	25 17	1 46	20 58	0 23	20 3	0 34	3 50	2 8	17 28	0 42	0 57	1 36	25 47	7 1	4 8	3 40	8 56	4 6	2 49
F 13	20 3	11 54	4 8	23 5	1 26	25 18	1 47	21 7	0 24	20 5	0 34	3 49	2 8	17 28	0 42	0 58	1 36	25 48	7 1	4 7	3 39	8 54	4 7	2 49
S 14	20 16	8 6	3 16	23 32	1 33	25 17	1 49	21 16	0 24	20 8	0 34	3 47	2 8	17 27	0 42	0 58	1 36	25 48	7 2	4 6	3 38	8 53	4 8	2 49
S 15	20 28	3 50	2 11	23 56	1 40	25 16	1 50	21 24	0 25	20 11	0 34	3 46	2 9	17 27	0 42	0 58	1 36	25 48	7 2	4 7	3 36	8 51	4 9	2 49
M16	20 39	0n37	0 59	24 18	1 46	25 15	1 51	21 32	0 25	20 14	0 34	3 44	2 9	17 26	0 42	0 58	1 36	25 49	7 2	4 7	3 35	8 49	4 10	2 49
T 17	20 51	5 1	0s16	24 37	1 51	25 12	1 53	21 40	0 26	20 17	0 34	3 43	2 9	17 26	0 42	0 59	1 36	25 49	7 2	4 7	3 34	8 48	4 11	2 49
W18	21 1	9 7	1 29	24 53	1 55	25 9	1 54	21 48	0 26	20 19	0 34	3 41	2 9	17 25	0 42	0 59	1 36	25 49	7 3	4 7	3 32	8 46	4 12	2 49
T 19	21 12	12 40	2 36	25 7	1 59	25 5	1 55	21 56	0 27	20 22	0 34	3 40	2 10	17 24	0 42	0 59	1 36	25 50	7 3	4 5	3 31	8 44	4 13	2 50
F 20	21 22	15 30	3 34	25 18	2 2	25 1	1 56	22 3	0 27	20 25	0 34	3 38	2 10	17 24	0 42	0 59	1 36	25 50	7 3	4 3	3 30	8 43	4 14	2 50
S 21	21 32	17 27	4 18	25 26	2 4	24 56	1 57	22 11	0 28	20 28	0 34	3 37	2 10	17 23	0 42	0 59	1 36	25 50	7 3	4 0	3 29	8 41	4 14	2 50
S 22	21 42	18 25	4 48	25 32	2 6	24 50	1 57	22 18	0 29	20 30	0 33	3 36	2 10	17 23	0 42	0 59	1 36	25 51	7 4	3 56	3 27	8 39	4 15	2 50
M23	21 51	18 26	5 3	25 36	2 6	24 43	1 58	22 25	0 29	20 33	0 33	3 34	2 11	17 22	0 41	0 59	1 36	25 51	7 4	3 52	3 26	8 38	4 16	2 50
T 24	22 0	17 32	5 2	25 38	2 6	24 36	1 59	22 31	0 30	20 36	0 33	3 33	2 11	17 21	0 41	1 0	1 36	25 52	7 4	3 48	3 25	8 36	4 17	2 50
W25	22 8	15 49	4 48	25 37	2 5	24 28	1 59	22 38	0 30	20 38	0 33	3 32	2 11	17 21	0 41	1 0	1 36	25 52	7 4	3 45	3 24	8 34	4 18	2 50
T 26	22 16	13 27	4 21	25 35	2 4	24 19	2 0	22 44	0 31	20 41	0 33	3 31	2 11	17 20	0 41	1 0	1 36	25 52	7 4	3 42	3 22	8 32	4 19	2 50
F 27	22 23	10 32	3 42	25 30	2 2	24 10	2 0	22 50	0 31	20 43	0 33	3 29	2 12	17 20	0 41	1 0	1 35	25 53	7 5	3 40	3 21	8 31	4 19	2 50
S 28	22 31	7 13	2 55	25 24	1 59	24 0	2 1	22 56	0 32	20 46	0 33	3 28	2 12	17 19	0 41	1 0	1 35	25 53	7 5	3 40	3 20	8 29	4 20	2 50
S 29	22 37	3 37	1 59	25 16	1 55	23 49	2 1	23 2	0 32	20 48	0 33	3 27	2 12	17 18	0 41	1 0	1 35	25 54	7 5	3 39	3 19	8 27	4 21	2 50
M30	22 44	0s10	0 59	25 6	1 51	23 38	2 1	23 7	0 33	20 51	0 33	3 26	2 12	17 17	0 41	1 0	1 35	25 54	7 5	3 40	3 17	8 26	4 22	2 50
T 31	22n50	4s 0	0n 6	24n55	1n46	23n26	2n 1	23n12	0n33	20n53	0s33	3s25	2s13	17n17	0n41	1n 0	1n35	25s54	7s 6	3s40	3s16	8n24	4n22	2n50

Julian Day Number = 2191985.5, Delta T = 10m41s
Ecliptic obliquity = 23°31'44, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'44, Lahiri = 13°56'45 Julian Calendar 1 May 1289 == Greg. Calendar 8 May 1289

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

JUNE 1289 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 7 37	17♊21'39	22♎37	11♋ 8	24♋51	15♊26	6♊27	26♓34	14♌16	1°R 8	5°R11	9°R12	8♎10	0♍34	4♈27	W 1
T 2	17 11 33	18°18'52	5♏17	12°28	26° 1	16° 6	6°41	26°37	14°19	1♎ 8	5♒11	9♎ 9	8° 6	0°40	4°29	T 2
F 3	17 15 30	19°16'04	18°20	13°46	27°11	16°47	6°54	26°40	14°21	1° 8	5°10	9° 4	8° 3	0°47	4°30	F 3
S 4	17 19 26	20°13'15	1♐47	15° 0	28°20	17°27	7° 8	26°43	14°24	1° 8	5° 9	8°56	8° 0	0°54	4°32	S 4
S 5	17 23 23	21°10'26	15°36	16°12	29°30	18° 8	7°22	26°45	14°26	1°D 8	5° 8	8°47	7°57	1° 0	4°33	S 5
M 6	17 27 20	22° 7'37	29°45	17°20	0♌39	18°48	7°35	26°48	14°29	1° 8	5° 7	8°36	7°54	1° 7	4°34	M 6
T 7	17 31 16	23° 4'47	14♑ 8	18°26	1°49	19°28	7°49	26°50	14°31	1° 8	5° 6	8°25	7°51	1°14	4°36	T 7
W 8	17 35 13	24° 1'57	28°40	19°28	2°58	20° 9	8° 3	26°53	14°34	1° 8	5° 5	8°16	7°47	1°20	4°37	W 8
T 9	17 39 9	24°59'08	13♒12	20°28	4° 7	20°49	8°16	26°55	14°37	1° 8	5° 4	8° 9	7°44	1°27	4°38	T 9
F 10	17 43 6	25°56'18	27°40	21°24	5°16	21°29	8°30	26°57	14°39	1° 9	5° 3	8° 4	7°41	1°34	4°39	F 10
S 11	17 47 2	26°53'28	12♓ 0	22°16	6°25	22° 9	8°43	26°59	14°42	1° 9	5° 2	8° 1	7°38	1°40	4°40	S 11
S 12	17 50 59	27°50'38	26° 8	23° 6	7°34	22°49	8°57	27° 1	14°45	1° 9	5° 1	8°D 1	7°35	1°47	4°41	S 12
M13	17 54 55	28°47'49	10♈ 5	23°51	8°43	23°29	9°10	27° 3	14°48	1° 9	5° 0	8°R 1	7°31	1°54	4°42	M13
T 14	17 58 52	29°45'00	23°49	24°33	9°52	24° 9	9°24	27° 5	14°51	1°10	4°59	8° 0	7°28	2° 0	4°43	T 14
W15	18 2 49	0♋42'11	7♉22	25°11	11° 0	24°49	9°37	27° 7	14°54	1°10	4°58	7°58	7°25	2° 7	4°44	W15
T 16	18 6 45	1°39'22	20°44	25°45	12° 9	25°29	9°51	27° 8	14°57	1°10	4°57	7°53	7°22	2°14	4°45	T 16
F 17	18 10 42	2°36'34	3♊55	26°15	13°17	26° 9	10° 4	27°10	15° 0	1°11	4°56	7°45	7°19	2°20	4°45	F 17
S 18	18 14 38	3°33'46	16°54	26°41	14°26	26°49	10°17	27°11	15° 3	1°11	4°55	7°35	7°16	2°27	4°46	S 18
S 19	18 18 35	4°30'58	29°41	27° 3	15°34	27°29	10°31	27°13	15° 6	1°12	4°54	7°22	7°12	2°34	4°47	S 19
M20	18 22 31	5°28'10	12♋16	27°19	16°42	28° 9	10°44	27°14	15° 9	1°12	4°53	7° 9	7° 9	2°40	4°47	M20
T 21	18 26 28	6°25'22	24°38	27°32	17°50	28°49	10°57	27°15	15°12	1°13	4°52	6°56	7° 6	2°47	4°48	T 21
W22	18 30 24	7°22'35	6♌49	27°40	18°58	29°29	11°10	27°16	15°15	1°13	4°50	6°45	7° 3	2°54	4°48	W22
T 23	18 34 21	8°19'47	18°49	27°R43	20° 5	0♋ 8	11°23	27°17	15°18	1°14	4°49	6°36	7° 0	3° 0	4°49	T 23
F 24	18 38 18	9°17'00	0♍41	27°41	21°13	0°48	11°36	27°18	15°21	1°14	4°48	6°29	6°57	3° 7	4°49	F 24
S 25	18 42 14	10°14'12	12°30	27°34	22°20	1°28	11°49	27°19	15°24	1°15	4°47	6°25	6°53	3°14	4°50	S 25
S 26	18 46 11	11°11'25	24°18	27°23	23°27	2° 7	12° 2	27°19	15°28	1°16	4°46	6°24	6°50	3°20	4°50	S 26
M27	18 50 7	12° 8'38	6♎12	27° 7	24°34	2°47	12°15	27°20	15°31	1°16	4°44	6°23	6°47	3°27	4°50	M27
T 28	18 54 4	13° 5'50	18°16	26°47	25°41	3°26	12°28	27°20	15°34	1°17	4°43	6°23	6°44	3°34	4°50	T 28
W29	18 58 0	14° 3'03	0♏36	26°22	26°48	4° 6	12°41	27°20	15°37	1°18	4°42	6°22	6°41	3°41	4°50	W29
T 30	19 1 57	15♋ 0'17	13♏18	25♋53	27♌55	4♋45	12♊54	27♓21	15♌41	1♎19	4♒41	6♎20	6♎37	3♍47	4♈50	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n56	7s44	1n11	24n43	1n40	23n13	2n 1	23n17	0n34	20n56	0s33	3s24	2s13	17n16	0n41	1n 0	1n35	25s55	7s 6	3s39	3s15	8n22	4n23	2n51
T 2	23 1	11 14	2 14	24 30	1 34	23 0	2 1	23 22	0 34	20 58	0 33	3 23	2 13	17 15	0 41	1 0	1 35	25 55	7 6	3 38	3 14	8 21	4 24	2 51
F 3	23 6	14 16	3 12	24 15	1 27	22 46	2 1	23 27	0 35	21 1	0 33	3 22	2 13	17 15	0 41	1 0	1 35	25 56	7 6	3 36	3 12	8 19	4 24	2 51
S 4	23 10	16 39	4 1	23 59	1 19	22 32	2 0	23 31	0 35	21 3	0 32	3 21	2 14	17 14	0 41	1 0	1 35	25 56	7 6	3 33	3 11	8 17	4 25	2 51
S 5	23 14	18 9	4 38	23 43	1 11	22 17	2 0	23 36	0 36	21 5	0 32	3 21	2 14	17 13	0 41	1 0	1 35	25 57	7 7	3 30	3 10	8 16	4 26	2 51
M 6	23 18	18 34	4 58	23 25	1 2	22 2	1 59	23 40	0 36	21 8	0 32	3 20	2 14	17 12	0 41	1 0	1 35	25 57	7 7	3 25	3 9	8 14	4 26	2 51
T 7	23 21	17 48	5 0	23 7	0 52	21 45	1 59	23 43	0 37	21 10	0 32	3 19	2 15	17 11	0 41	1 0	1 35	25 57	7 7	3 21	3 7	8 12	4 27	2 51
W 8	23 24	15 53	4 43	22 48	0 42	21 29	1 58	23 47	0 37	21 12	0 32	3 18	2 15	17 11	0 41	1 0	1 35	25 58	7 7	3 17	3 6	8 11	4 27	2 51
T 9	23 26	12 58	4 8	22 29	0 32	21 12	1 57	23 50	0 38	21 14	0 32	3 18	2 15	17 10	0 41	1 0	1 35	25 58	7 7	3 14	3 5	8 9	4 28	2 51
F 10	23 28	9 15	3 16	22 10	0 21	20 54	1 56	23 54	0 38	21 17	0 32	3 17	2 15	17 9	0 41	1 0	1 35	25 59	7 8	3 13	3 4	8 7	4 28	2 51
S 11	23 30	5 2	2 13	21 50	0 9	20 36	1 55	23 57	0 39	21 19	0 32	3 16	2 16	17 8	0 41	0 59	1 35	25 59	7 8	3 12	3 2	8 5	4 29	2 51
S 12	23 31	0 35	1 3	21 30	0s 3	20 17	1 54	23 59	0 39	21 21	0 32	3 16	2 16	17 7	0 41	0 59	1 35	26 0	7 8	3 11	3 1	8 4	4 29	2 52
M13	23 31	3n50	0s11	21 9	0 16	19 58	1 53	24 2	0 40	21 23	0 32	3 15	2 16	17 6	0 41	0 59	1 35	26 0	7 8	3 11	3 0	8 2	4 30	2 52
T 14	23 32	8 0	1 23	20 49	0 29	19 38	1 52	24 4	0 40	21 25	0 32	3 15	2 16	17 6	0 41	0 59	1 35	26 0	7 8	3 11	2 59	8 0	4 30	2 52
W15	23 32	11 41	2 29	20 29	0 42	19 18	1 50	24 6	0 41	21 27	0 32	3 14	2 17	17 5	0 41	0 59	1 35	26 1	7 9	3 10	2 57	7 59	4 31	2 52
T 16	23 31	14 42	3 25	20 9	0 56	18 57	1 49	24 8	0 41	21 29	0 32	3 14	2 17	17 4	0 41	0 59	1 35	26 1	7 9	3 8	2 56	7 57	4 31	2 52
F 17	23 30	16 55	4 10	19 50	1 10	18 36	1 47	24 10	0 42	21 31	0 32	3 14	2 17	17 3	0 41	0 58	1 35	26 2	7 9	3 5	2 55	7 55	4 32	2 52
S 18	23 29	18 13	4 41	19 31	1 25	18 14	1 45	24 12	0 42	21 33	0 32	3 13	2 18	17 2	0 41	0 58	1 34	26 2	7 9	3 1	2 54	7 54	4 32	2 52
S 19	23 27	18 34	4 58	19 12	1 40	17 52	1 43	24 13	0 43	21 35	0 31	3 13	2 18	17 1	0 41	0 58	1 34	26 3	7 9	2 56	2 52	7 52	4 32	2 52
M20	23 25	18 0	4 59	18 54	1 54	17 30	1 41	24 14	0 43	21 37	0 31	3 13	2 18	17 0	0 41	0 58	1 34	26 3	7 10	2 51	2 51	7 50	4 33	2 52
T 21	23 22	16 35	4 46	18 37	2 9	17 7	1 39	24 15	0 44	21 39	0 31	3 13	2 18	16 59	0 41	0 58	1 34	26 4	7 10	2 46	2 50	7 48	4 33	2 52
W22	23 19	14 26	4 21	18 21	2 24	16 44	1 37	24 16	0 44	21 41	0 31	3 13	2 19	16 58	0 41	0 57	1 34	26 4	7 10	2 41	2 48	7 47	4 33	2 52
T 23	23 16	11 42	3 43	18 5	2 39	16 20	1 35	24 16	0 45	21 43	0 31	3 12	2 19	16 57	0 41	0 57	1 34	26 5	7 10	2 38	2 47	7 45	4 33	2 53
F 24	23 12	8 31	2 57	17 51	2 54	15 56	1 32	24 17	0 45	21 45	0 31	3 12	2 19	16 56	0 41	0 57	1 34	26 5	7 10	2 35	2 46	7 43	4 34	2 53
S 25	23 8	5 0	2 3	17 38	3 9	15 32	1 30	24 17	0 46	21 47	0 31	3 12	2 20	16 55	0 41	0 56	1 34	26 5	7 10	2 34	2 45	7 42	4 34	2 53
S 26	23 3	1 18	1 4	17 27	3 23	15 7	1 27	24 17	0 46	21 48	0 31	3 12	2 20	16 54	0 41	0 56	1 34	26 6	7 11	2 33	2 43	7 40	4 34	2 53
M27	22 58	2s29	0 1	17 16	3 36	14 42	1 24	24 16	0 47	21 50	0 31	3 12	2 20	16 54	0 41	0 56	1 34	26 6	7 11	2 33	2 42	7 38	4 34	2 53
T 28	22 53	6 13	1n 3	17 8	3 49	14 17	1 22	24 16	0 47	21 52	0 31	3 13	2 20	16 53	0 41	0 55	1 34	26 7	7 11	2 33	2 41	7 37	4 34	2 53
W29	22 47	9 47	2 5	17 0	4 2	13 51	1 19	24 15	0 47	21 54	0 31	3 13	2 21	16 52	0 41	0 55	1 34	26 7	7 11	2 32	2 40	7 35	4 35	2 53
T 30	22n41	12s59	3n 2	16n54	4s13	13n26	1n16	24n14	0n48	21n55	0s31	3s13	2s21	16n51	0n41	0n55	1n34	26s 8	7s11	2s31	2s38	7n33	4n35	2n53

Julian Day Number = 2192016.5, Delta T = 10m41s
Ecliptic obliquity = 23°31'44, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'49, Lahiri = 13°56'49 Julian Calendar 1 June 1289 == Greg. Calendar 8 June 1289

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

JULY 1289 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 5 53	15♋57'30	26♏24	25°R21	29♌ 1	5♋25	13♊ 6	27♓21	15♌44	1♎19	4°R39	6°R15	6♎34	3♍54	4°R50	F 1
S 2	19 9 50	16°54'44	9♐57	24♋45	0♍ 8	6° 4	13°19	27°R21	15°47	1°20	4♒38	6♎ 8	6°31	4° 1	4♈50	S 2
S 3	19 13 47	17°51'58	23°58	24° 7	1°14	6°44	13°32	27°21	15°51	1°21	4°37	5°58	6°28	4° 7	4°50	S 3
M 4	19 17 43	18°49'13	8♑23	23°27	2°20	7°23	13°44	27°21	15°54	1°22	4°35	5°48	6°25	4°14	4°50	M 4
T 5	19 21 40	19°46'28	23° 7	22°45	3°26	8° 2	13°57	27°20	15°58	1°23	4°34	5°37	6°22	4°21	4°50	T 5
W 6	19 25 36	20°43'44	8♒ 1	22° 3	4°31	8°41	14° 9	27°20	16° 1	1°24	4°33	5°27	6°18	4°27	4°50	W 6
T 7	19 29 33	21°41'01	22°57	21°20	5°37	9°21	14°21	27°19	16° 5	1°25	4°32	5°20	6°15	4°34	4°49	T 7
F 8	19 33 29	22°38'18	7♓46	20°38	6°42	10° 0	14°34	27°19	16° 8	1°26	4°30	5°15	6°12	4°41	4°49	F 8
S 9	19 37 26	23°35'37	22°22	19°58	7°47	10°39	14°46	27°18	16°12	1°27	4°29	5°13	6° 9	4°47	4°49	S 9
S 10	19 41 22	24°32'56	6♈41	19°20	8°52	11°18	14°58	27°17	16°15	1°28	4°28	5°D12	6° 6	4°54	4°48	S 10
M11	19 45 19	25°30'16	20°40	18°45	9°57	11°57	15°10	27°16	16°19	1°29	4°26	5°R12	6° 3	5° 1	4°48	M11
T 12	19 49 16	26°27'38	4♉21	18°14	11° 1	12°36	15°22	27°15	16°22	1°30	4°25	5°12	5°59	5° 7	4°47	T 12
W13	19 53 12	27°25'01	17°44	17°47	12° 5	13°16	15°34	27°14	16°26	1°32	4°24	5°11	5°56	5°14	4°46	W13
T 14	19 57 9	28°22'25	0♊51	17°25	13° 9	13°55	15°46	27°13	16°29	1°33	4°22	5° 7	5°53	5°21	4°46	T 14
F 15	20 1 5	29°19'50	13°45	17° 8	14°13	14°34	15°58	27°12	16°33	1°34	4°21	5° 0	5°50	5°27	4°45	F 15
S 16	20 5 2	0♌17'17	26°26	16°57	15°17	15°13	16°10	27°10	16°37	1°35	4°19	4°51	5°47	5°34	4°44	S 16
S 17	20 8 58	1°14'44	8♋56	16°D52	16°20	15°51	16°21	27° 9	16°40	1°37	4°18	4°41	5°43	5°41	4°43	S 17
M18	20 12 55	2°12'13	21°15	16°53	17°23	16°30	16°33	27° 7	16°44	1°38	4°17	4°29	5°40	5°47	4°42	M18
T 19	20 16 51	3° 9'42	3♌24	17° 1	18°26	17° 9	16°44	27° 6	16°48	1°39	4°15	4°18	5°37	5°54	4°41	T 19
W20	20 20 48	4° 7'13	15°26	17°16	19°29	17°48	16°56	27° 4	16°51	1°41	4°14	4° 8	5°34	6° 1	4°40	W20
T 21	20 24 45	5° 4'45	27°20	17°37	20°31	18°27	17° 7	27° 2	16°55	1°42	4°13	4° 0	5°31	6° 7	4°39	T 21
F 22	20 28 41	6° 2'17	9♍ 9	18° 5	21°33	19° 6	17°19	27° 0	16°59	1°43	4°11	3°55	5°28	6°14	4°38	F 22
S 23	20 32 38	6°59'51	20°55	18°40	22°35	19°44	17°30	26°58	17° 2	1°45	4°10	3°52	5°24	6°20	4°37	S 23
S 24	20 36 34	7°57'26	2♎43	19°21	23°37	20°23	17°41	26°56	17° 6	1°46	4° 9	3°D51	5°21	6°27	4°36	S 24
M25	20 40 31	8°55'01	14°36	20°10	24°38	21° 2	17°52	26°53	17°10	1°48	4° 7	3°51	5°18	6°34	4°35	M25
T 26	20 44 27	9°52'38	26°39	21° 4	25°39	21°41	18° 3	26°51	17°13	1°49	4° 6	3°52	5°15	6°40	4°33	T 26
W27	20 48 24	10°50'16	8♏58	22° 5	26°40	22°19	18°14	26°49	17°17	1°51	4° 4	3°R53	5°12	6°47	4°32	W27
T 28	20 52 20	11°47'54	21°36	23°13	27°40	22°58	18°24	26°46	17°21	1°52	4° 3	3°52	5° 9	6°54	4°31	T 28
F 29	20 56 17	12°45'34	4♐40	24°26	28°40	23°36	18°35	26°43	17°25	1°54	4° 2	3°50	5° 5	7° 0	4°29	F 29
S 30	21 0 14	13°43'15	18°11	25°45	29°39	24°15	18°45	26°41	17°28	1°56	4° 0	3°46	5° 2	7° 7	4°28	S 30
S 31	21 4 10	14♌40'57	2♑11	27♋ 9	0♎39	24♋53	18♊56	26♓38	17♌32	1♎57	3♒59	3♎40	4♎59	7♍14	4♈26	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n34	15s39	3n52	16n50	4s23	12n59	1n12	24n13	0n48	21n57	0s31	3s13	2s21	16n50	0n41	0n54	1n34	26s 8	7s11	2s29	2s37	7n31	4n35	2n53
S 2	22 27	17 33	4 31	16 48	4 32	12 33	1 9	24 12	0 49	21 58	0 31	3 13	2 22	16 48	0 41	0 54	1 34	26 9	7 11	2 27	2 36	7 30	4 35	2 53
S 3	22 20	18 29	4 55	16 47	4 39	12 6	1 6	24 11	0 49	22 0	0 31	3 14	2 22	16 47	0 41	0 54	1 34	26 9	7 11	2 23	2 35	7 28	4 35	2 53
M 4	22 12	18 15	5 1	16 48	4 45	11 39	1 2	24 9	0 50	22 2	0 31	3 14	2 22	16 46	0 41	0 53	1 34	26 10	7 12	2 19	2 33	7 26	4 35	2 54
T 5	22 4	16 49	4 48	16 50	4 50	11 12	0 59	24 7	0 50	22 3	0 31	3 14	2 22	16 45	0 41	0 53	1 34	26 10	7 12	2 14	2 32	7 24	4 35	2 54
W 6	21 55	14 13	4 15	16 54	4 53	10 45	0 55	24 5	0 51	22 5	0 31	3 15	2 23	16 44	0 41	0 52	1 34	26 10	7 12	2 10	2 31	7 23	4 35	2 54
T 7	21 47	10 42	3 24	17 0	4 54	10 17	0 51	24 3	0 51	22 6	0 31	3 15	2 23	16 43	0 41	0 52	1 34	26 11	7 12	2 8	2 30	7 21	4 35	2 54
F 8	21 37	6 31	2 20	17 7	4 53	9 49	0 47	24 0	0 51	22 8	0 30	3 16	2 23	16 42	0 41	0 51	1 34	26 11	7 12	2 6	2 28	7 19	4 35	2 54
S 9	21 28	2 0	1 8	17 15	4 51	9 21	0 43	23 58	0 52	22 9	0 30	3 16	2 23	16 41	0 41	0 51	1 34	26 12	7 12	2 5	2 27	7 18	4 35	2 54
S 10	21 18	2n32	0s 8	17 24	4 46	8 53	0 39	23 55	0 52	22 10	0 30	3 17	2 24	16 40	0 41	0 51	1 33	26 12	7 12	2 4	2 26	7 16	4 35	2 54
M11	21 7	6 51	1 21	17 35	4 41	8 25	0 35	23 52	0 53	22 12	0 30	3 17	2 24	16 39	0 40	0 50	1 33	26 13	7 12	2 5	2 24	7 14	4 34	2 54
T 12	20 56	10 41	2 29	17 46	4 33	7 56	0 31	23 49	0 53	22 13	0 30	3 18	2 24	16 38	0 40	0 50	1 33	26 13	7 13	2 5	2 23	7 12	4 34	2 54
W13	20 45	13 53	3 26	17 59	4 24	7 27	0 26	23 45	0 54	22 15	0 30	3 19	2 25	16 37	0 40	0 49	1 33	26 14	7 13	2 4	2 22	7 11	4 34	2 54
T 14	20 34	16 18	4 11	18 11	4 14	6 59	0 22	23 42	0 54	22 16	0 30	3 19	2 25	16 36	0 40	0 49	1 33	26 14	7 13	2 2	2 21	7 9	4 34	2 54
F 15	20 22	17 51	4 43	18 25	4 2	6 30	0 17	23 38	0 54	22 17	0 30	3 20	2 25	16 35	0 40	0 48	1 33	26 14	7 13	2 0	2 19	7 7	4 34	2 55
S 16	20 10	18 29	5 0	18 39	3 50	6 1	0 12	23 34	0 55	22 18	0 30	3 21	2 25	16 34	0 40	0 47	1 33	26 15	7 13	1 56	2 18	7 6	4 33	2 55
S 17	19 57	18 12	5 3	18 53	3 36	5 32	0 7	23 30	0 55	22 20	0 30	3 22	2 26	16 32	0 40	0 47	1 33	26 15	7 13	1 52	2 17	7 4	4 33	2 55
M18	19 45	17 3	4 51	19 7	3 22	5 2	0 3	23 25	0 56	22 21	0 30	3 23	2 26	16 31	0 40	0 46	1 33	26 16	7 13	1 47	2 16	7 2	4 33	2 55
T 19	19 31	15 9	4 26	19 21	3 7	4 33	0s 3	23 21	0 56	22 22	0 30	3 24	2 26	16 30	0 40	0 46	1 33	26 16	7 13	1 43	2 14	7 0	4 33	2 55
W20	19 18	12 37	3 49	19 35	2 51	4 4	0 8	23 16	0 56	22 23	0 30	3 25	2 26	16 29	0 40	0 45	1 33	26 16	7 13	1 39	2 13	6 59	4 32	2 55
T 21	19 4	9 35	3 3	19 48	2 35	3 34	0 13	23 11	0 57	22 24	0 30	3 26	2 27	16 28	0 40	0 45	1 33	26 17	7 13	1 36	2 12	6 57	4 32	2 55
F 22	18 50	6 11	2 9	20 0	2 19	3 5	0 18	23 6	0 57	22 25	0 30	3 27	2 27	16 27	0 40	0 44	1 33	26 17	7 13	1 34	2 11	6 55	4 32	2 55
S 23	18 36	2 33	1 9	20 12	2 3	2 35	0 24	23 1	0 58	22 27	0 30	3 28	2 27	16 26	0 40	0 43	1 33	26 18	7 13	1 32	2 9	6 53	4 31	2 55
S 24	18 21	1s11	0 6	20 22	1 46	2 6	0 29	22 56	0 58	22 28	0 30	3 29	2 27	16 25	0 40	0 43	1 33	26 18	7 13	1 32	2 8	6 52	4 31	2 55
M25	18 6	4 54	0n58	20 32	1 30	1 36	0 35	22 50	0 58	22 29	0 30	3 30	2 28	16 23	0 40	0 42	1 33	26 18	7 14	1 32	2 7	6 50	4 30	2 55
T 26	17 50	8 27	2 0	20 39	1 14	1 7	0 41	22 45	0 59	22 30	0 30	3 31	2 28	16 22	0 40	0 42	1 33	26 19	7 14	1 33	2 6	6 48	4 30	2 55
W27	17 35	11 44	2 58	20 45	0 58	0 37	0 46	22 39	0 59	22 31	0 30	3 32	2 28	16 21	0 40	0 41	1 33	26 19	7 14	1 33	2 4	6 47	4 29	2 55
T 28	17 19	14 33	3 49	20 50	0 43	0 8	0 52	22 33	1 0	22 32	0 30	3 33	2 28	16 20	0 40	0 40	1 33	26 20	7 14	1 33	2 3	6 45	4 29	2 56
F 29	17 3	16 44	4 29	20 52	0 28	0s21	0 58	22 27	1 0	22 33	0 30	3 35	2 29	16 19	0 40	0 40	1 33	26 20	7 14	1 32	2 2	6 43	4 28	2 56
S 30	16 46	18 4	4 57	20 52	0 13	0 51	1 4	22 20	1 0	22 34	0 30	3 36	2 29	16 18	0 40	0 39	1 33	26 20	7 14	1 30	2 0	6 41	4 28	2 56
S 31	16n29	18s23	5n 8	20n49	0n 1	1s20	1s10	22n14	1n 1	22n34	0s30	3s37	2s29	16n17	0n40	0n38	1n33	26s21	7s14	1s28	1s59	6n40	4n27	2n56

Julian Day Number = 2192046.5, Delta T = 10m41s
Ecliptic obliquity = 23°31'44, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'53, Lahiri = 13°56'53 Julian Calendar 1 July 1289 == Greg. Calendar 8 July 1289

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

AUGUST 1289 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 8 7	15♌38'40	16♉39	28♋38	1♎38	25♋32	19♊ 6	26°R35	17♌36	1♎59	3°R58	3°R33	4♎56	7♍20	4°R25	M 1
T 2	21 12 3	16°36'24	1♒31	0♌12	2°36	26°10	19°17	26♓32	17°40	2° 0	3♒56	3♎26	4°53	7°27	4♈23	T 2
W 3	21 16 0	17°34'10	16°37	1°50	3°34	26°49	19°27	26°29	17°43	2° 2	3°55	3°20	4°49	7°34	4°22	W 3
T 4	21 19 56	18°31'57	1♓48	3°32	4°32	27°27	19°37	26°26	17°47	2° 4	3°54	3°15	4°46	7°40	4°20	T 4
F 5	21 23 53	19°29'46	16°55	5°18	5°29	28° 5	19°47	26°23	17°51	2° 6	3°53	3°12	4°43	7°47	4°18	F 5
S 6	21 27 49	20°27'36	1♈49	7° 6	6°26	28°44	19°56	26°20	17°55	2° 7	3°51	3°D11	4°40	7°54	4°16	S 6
S 7	21 31 46	21°25'28	16°23	8°57	7°22	29°22	20° 6	26°16	17°58	2° 9	3°50	3°11	4°37	8° 0	4°15	S 7
M 8	21 35 43	22°23'22	0♉34	10°50	8°18	0♌ 0	20°16	26°13	18° 2	2°11	3°49	3°12	4°34	8° 7	4°13	M 8
T 9	21 39 39	23°21'17	14°21	12°45	9°13	0°39	20°25	26° 9	18° 6	2°13	3°47	3°14	4°30	8°14	4°11	T 9
W10	21 43 36	24°19'15	27°44	14°41	10° 8	1°17	20°35	26° 6	18°10	2°15	3°46	3°R14	4°27	8°20	4° 9	W10
T 11	21 47 32	25°17'15	10♊47	16°38	11° 3	1°55	20°44	26° 2	18°13	2°16	3°45	3°13	4°24	8°27	4° 7	T 11
F 12	21 51 29	26°15'16	23°31	18°36	11°57	2°33	20°53	25°58	18°17	2°18	3°44	3°10	4°21	8°34	4° 5	F 12
S 13	21 55 25	27°13'20	6♋ 1	20°34	12°50	3°12	21° 2	25°55	18°21	2°20	3°42	3° 6	4°18	8°40	4° 3	S 13
S 14	21 59 22	28°11'25	18°17	22°32	13°43	3°50	21°11	25°51	18°24	2°22	3°41	3° 0	4°14	8°47	4° 1	S 14
M15	22 3 18	29° 9'32	0♌24	24°29	14°35	4°28	21°20	25°47	18°28	2°24	3°40	2°54	4°11	8°54	3°59	M15
T 16	22 7 15	0♍ 7'41	12°24	26°27	15°26	5° 6	21°29	25°43	18°32	2°26	3°39	2°48	4° 8	9° 0	3°56	T 16
W17	22 11 12	1° 5'52	24°17	28°24	16°17	5°44	21°37	25°39	18°35	2°28	3°38	2°43	4° 5	9° 7	3°54	W17
T 18	22 15 8	2° 4'04	6♍ 6	0♍20	17° 8	6°22	21°46	25°35	18°39	2°30	3°36	2°39	4° 2	9°14	3°52	T 18
F 19	22 19 5	3° 2'18	17°54	2°15	17°57	7° 0	21°54	25°31	18°43	2°32	3°35	2°36	3°59	9°20	3°50	F 19
S 20	22 23 1	4° 0'34	29°41	4°10	18°46	7°38	22° 2	25°27	18°46	2°34	3°34	2°D35	3°55	9°27	3°47	S 20
S 21	22 26 58	4°58'52	11♎32	6° 3	19°34	8°16	22°10	25°22	18°50	2°36	3°33	2°35	3°52	9°34	3°45	S 21
M22	22 30 54	5°57'11	23°29	7°56	20°21	8°54	22°18	25°18	18°54	2°38	3°32	2°37	3°49	9°40	3°43	M22
T 23	22 34 51	6°55'32	5♏35	9°47	21° 8	9°32	22°26	25°14	18°57	2°40	3°31	2°38	3°46	9°47	3°40	T 23
W24	22 38 47	7°53'55	17°54	11°37	21°54	10°10	22°33	25°10	19° 1	2°42	3°30	2°40	3°43	9°54	3°38	W24
T 25	22 42 44	8°52'19	0♐32	13°27	22°38	10°48	22°41	25° 5	19° 5	2°44	3°29	2°41	3°40	10° 0	3°35	T 25
F 26	22 46 40	9°50'45	13°31	15°15	23°22	11°25	22°48	25° 1	19° 8	2°46	3°28	2°R41	3°36	10° 7	3°33	F 26
S 27	22 50 37	10°49'13	26°56	17° 2	24° 5	12° 3	22°55	24°56	19°12	2°48	3°27	2°40	3°33	10°14	3°30	S 27
S 28	22 54 34	11°47'42	10♑47	18°48	24°47	12°41	23° 2	24°52	19°15	2°50	3°26	2°39	3°30	10°20	3°28	S 28
M29	22 58 30	12°46'13	25° 6	20°33	25°28	13°19	23° 9	24°47	19°19	2°53	3°25	2°36	3°27	10°27	3°25	M29
T 30	23 2 27	13°44'45	9♒49	22°17	26° 8	13°56	23°16	24°43	19°22	2°55	3°24	2°34	3°24	10°34	3°23	T 30
W31	23 6 23	14♍43'19	24♒51	24♍ 0	26♎47	14♌34	23♊22	24♓38	19♌26	2♎57	3♒23	2♎32	3♎20	10♍40	3♈20	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n12	17s31	5n 0	20n44	0n14	1s49	1s17	22n 7	1n 1	22n35	0s30	3s39	2s29	16n15	0n40	0n38	1n33	26s21	7s14	1s25	1s58	6n38	4n27	2n56
T 2	15 55	15 28	4 32	20 37	0 26	2 18	1 23	22 0	1 2	22 36	0 30	3 40	2 29	16 14	0 40	0 37	1 33	26 21	7 14	1 22	1 57	6 36	4 26	2 56
W 3	15 38	12 20	3 45	20 26	0 38	2 48	1 29	21 53	1 2	22 37	0 29	3 41	2 30	16 13	0 40	0 36	1 33	26 22	7 14	1 20	1 55	6 34	4 26	2 56
T 4	15 20	8 21	2 42	20 13	0 49	3 16	1 36	21 46	1 2	22 38	0 29	3 43	2 30	16 12	0 40	0 35	1 33	26 22	7 14	1 18	1 54	6 33	4 25	2 56
F 5	15 2	3 51	1 27	19 57	0 58	3 45	1 43	21 39	1 3	22 39	0 29	3 44	2 30	16 11	0 40	0 35	1 33	26 22	7 14	1 16	1 53	6 31	4 24	2 56
S 6	14 43	0n50	0 7	19 39	1 7	4 14	1 49	21 31	1 3	22 39	0 29	3 46	2 30	16 10	0 40	0 34	1 33	26 23	7 14	1 16	1 52	6 29	4 24	2 56
S 7	14 25	5 22	1s11	19 18	1 15	4 43	1 56	21 24	1 3	22 40	0 29	3 47	2 31	16 9	0 40	0 33	1 33	26 23	7 14	1 16	1 50	6 27	4 23	2 56
M 8	14 6	9 28	2 23	18 54	1 22	5 11	2 3	21 16	1 4	22 41	0 29	3 49	2 31	16 7	0 40	0 33	1 32	26 23	7 14	1 17	1 49	6 26	4 22	2 56
T 9	13 47	12 56	3 25	18 27	1 28	5 39	2 10	21 8	1 4	22 42	0 29	3 50	2 31	16 6	0 40	0 32	1 32	26 24	7 14	1 17	1 48	6 24	4 22	2 56
W10	13 28	15 36	4 14	17 59	1 34	6 7	2 17	21 0	1 5	22 42	0 29	3 52	2 31	16 5	0 40	0 31	1 32	26 24	7 14	1 17	1 47	6 22	4 21	2 56
T 11	13 8	17 24	4 48	17 28	1 38	6 35	2 24	20 52	1 5	22 43	0 29	3 54	2 31	16 4	0 40	0 30	1 32	26 24	7 14	1 17	1 45	6 20	4 20	2 56
F 12	12 49	18 16	5 7	16 55	1 41	7 3	2 31	20 43	1 5	22 44	0 29	3 55	2 32	16 3	0 41	0 29	1 32	26 25	7 14	1 16	1 44	6 19	4 19	2 56
S 13	12 29	18 13	5 11	16 20	1 44	7 30	2 38	20 35	1 6	22 44	0 29	3 57	2 32	16 2	0 41	0 29	1 32	26 25	7 14	1 14	1 43	6 17	4 19	2 56
S 14	12 9	17 19	5 0	15 43	1 46	7 58	2 45	20 26	1 6	22 45	0 29	3 59	2 32	16 1	0 41	0 28	1 32	26 25	7 14	1 12	1 42	6 15	4 18	2 56
M15	11 49	15 38	4 37	15 5	1 47	8 25	2 52	20 17	1 6	22 46	0 29	4 0	2 32	15 59	0 41	0 27	1 32	26 26	7 14	1 9	1 40	6 13	4 17	2 56
T 16	11 28	13 18	4 1	14 25	1 47	8 51	2 59	20 9	1 7	22 46	0 29	4 2	2 32	15 58	0 41	0 26	1 32	26 26	7 14	1 7	1 39	6 12	4 16	2 56
W17	11 7	10 25	3 15	13 45	1 47	9 18	3 7	19 59	1 7	22 47	0 29	4 4	2 32	15 57	0 41	0 26	1 32	26 26	7 14	1 5	1 38	6 10	4 15	2 56
T 18	10 47	7 8	2 20	13 3	1 46	9 44	3 14	19 50	1 7	22 47	0 29	4 6	2 33	15 56	0 41	0 25	1 32	26 26	7 14	1 3	1 36	6 8	4 14	2 56
F 19	10 26	3 35	1 20	12 20	1 44	10 10	3 22	19 41	1 8	22 48	0 29	4 7	2 33	15 55	0 41	0 24	1 32	26 27	7 14	1 2	1 35	6 6	4 13	2 57
S 20	10 5	0s 7	0 16	11 36	1 42	10 36	3 29	19 32	1 8	22 48	0 29	4 9	2 33	15 54	0 41	0 23	1 32	26 27	7 14	1 2	1 34	6 5	4 13	2 57
S 21	9 43	3 50	0n49	10 52	1 39	11 1	3 37	19 22	1 8	22 49	0 29	4 11	2 33	15 53	0 41	0 22	1 32	26 27	7 14	1 2	1 33	6 3	4 12	2 57
M22	9 22	7 24	1 53	10 7	1 36	11 26	3 44	19 12	1 9	22 49	0 29	4 13	2 33	15 52	0 41	0 21	1 32	26 27	7 14	1 3	1 31	6 1	4 11	2 57
T 23	9 0	10 44	2 52	9 22	1 33	11 51	3 52	19 3	1 9	22 50	0 29	4 15	2 33	15 50	0 41	0 21	1 32	26 28	7 14	1 3	1 30	5 59	4 10	2 57
W24	8 38	13 38	3 44	8 36	1 29	12 15	3 59	18 53	1 9	22 50	0 29	4 17	2 33	15 49	0 41	0 20	1 32	26 28	7 14	1 4	1 29	5 58	4 9	2 57
T 25	8 16	15 59	4 28	7 50	1 24	12 39	4 7	18 43	1 10	22 51	0 29	4 18	2 33	15 48	0 41	0 19	1 32	26 28	7 14	1 4	1 28	5 56	4 8	2 57
F 26	7 54	17 34	4 58	7 3	1 20	13 3	4 15	18 32	1 10	22 51	0 29	4 20	2 34	15 47	0 41	0 18	1 32	26 28	7 14	1 4	1 26	5 54	4 7	2 57
S 27	7 32	18 15	5 14	6 17	1 15	13 26	4 22	18 22	1 10	22 52	0 29	4 22	2 34	15 46	0 41	0 17	1 32	26 28	7 13	1 4	1 25	5 52	4 6	2 57
S 28	7 10	17 54	5 13	5 31	1 9	13 49	4 30	18 12	1 11	22 52	0 29	4 24	2 34	15 45	0 41	0 16	1 32	26 29	7 13	1 3	1 24	5 51	4 5	2 57
M29	6 47	16 24	4 52	4 44	1 4	14 11	4 37	18 1	1 11	22 52	0 29	4 26	2 34	15 44	0 41	0 16	1 32	26 29	7 13	1 2	1 23	5 49	4 4	2 57
T 30	6 25	13 49	4 12	3 58	0 58	14 33	4 45	17 51	1 11	22 53	0 29	4 28	2 34	15 43	0 41	0 15	1 32	26 29	7 13	1 1	1 21	5 47	4 3	2 57
W31	6n 2	10s15	3n14	3n11	0n52	14s54	4s53	17n40	1n12	22n53	0s29	4s30	2s34	15n42	0n41	0n14	1n32	26s29	7s13	1s 1	1s20	5n45	4n 2	2n57

Julian Day Number = 2192077.5, Delta T = 10m40s
Ecliptic obliquity = 23°31'44, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°49'57, Lahiri = 13°56'58 Julian Calendar 1 Aug. 1289 == Greg. Calendar 8 Aug. 1289

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

SEPTEMBER 1289 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 10 20	15♍41'55	10♓ 3	25♍42	27♎24	15♌12	23♊29	24°R34	19♌29	2♎59	3°R22	2°R30	3♎17	10♍47	3°R18	T 1
F 2	23 14 16	16°40'33	25°16	27°22	28° 1	15°49	23°35	24♓29	19°33	3° 1	3♒21	2°D29	3°14	10°54	3♈15	F 2
S 3	23 18 13	17°39'13	10♈21	29° 2	28°36	16°27	23°41	24°24	19°36	3° 3	3°20	2♎29	3°11	11° 0	3°12	S 3
S 4	23 22 9	18°37'55	25° 8	0♎41	29°10	17° 5	23°47	24°20	19°39	3° 6	3°19	2°30	3° 8	11° 7	3°10	S 4
M 5	23 26 6	19°36'40	9♉32	2°19	29°42	17°42	23°53	24°15	19°43	3° 8	3°18	2°31	3° 5	11°13	3° 7	M 5
T 6	23 30 3	20°35'26	23°30	3°56	0♏13	18°20	23°59	24°10	19°46	3°10	3°17	2°32	3° 1	11°20	3° 4	T 6
W 7	23 33 59	21°34'15	7♊ 1	5°32	0°43	18°57	24° 4	24° 6	19°50	3°12	3°16	2°33	2°58	11°27	3° 2	W 7
T 8	23 37 56	22°33'06	20° 7	7° 7	1°11	19°35	24° 9	24° 1	19°53	3°14	3°16	2°R33	2°55	11°33	2°59	T 8
F 9	23 41 52	23°32'00	2♋50	8°41	1°38	20°12	24°15	23°56	19°56	3°16	3°15	2°33	2°52	11°40	2°56	F 9
S 10	23 45 49	24°30'56	15°16	10°14	2° 3	20°50	24°20	23°52	19°59	3°19	3°14	2°32	2°49	11°47	2°54	S 10
S 11	23 49 45	25°29'54	27°26	11°46	2°26	21°27	24°24	23°47	20° 3	3°21	3°13	2°32	2°46	11°53	2°51	S 11
M12	23 53 42	26°28'55	9♌26	13°18	2°48	22° 4	24°29	23°42	20° 6	3°23	3°13	2°31	2°42	12° 0	2°48	M12
T 13	23 57 38	27°27'57	21°18	14°48	3° 7	22°42	24°33	23°37	20° 9	3°25	3°12	2°30	2°39	12° 7	2°45	T 13
W14	0 1 35	28°27'02	3♍ 7	16°18	3°25	23°19	24°38	23°33	20°12	3°28	3°11	2°29	2°36	12°13	2°43	W14
T 15	0 5 32	29°26'09	14°55	17°47	3°41	23°57	24°42	23°28	20°15	3°30	3°11	2°29	2°33	12°20	2°40	T 15
F 16	0 9 28	0♎25'18	26°44	19°15	3°55	24°34	24°46	23°23	20°18	3°32	3°10	2°29	2°30	12°27	2°37	F 16
S 17	0 13 25	1°24'30	8♎36	20°42	4° 7	25°11	24°49	23°19	20°21	3°34	3° 9	2°D29	2°26	12°33	2°34	S 17
S 18	0 17 21	2°23'43	20°35	22° 8	4°17	25°48	24°53	23°14	20°24	3°37	3° 9	2°R29	2°23	12°40	2°31	S 18
M19	0 21 18	3°22'58	2♏41	23°33	4°25	26°26	24°56	23°10	20°27	3°39	3° 8	2°29	2°20	12°47	2°29	M19
T 20	0 25 14	4°22'16	14°57	24°57	4°30	27° 3	25° 0	23° 5	20°30	3°41	3° 8	2°29	2°17	12°53	2°26	T 20
W21	0 29 11	5°21'35	27°25	26°20	4°33	27°40	25° 3	23° 0	20°33	3°43	3° 7	2°28	2°14	13° 0	2°23	W21
T 22	0 33 7	6°20'56	10♐ 8	27°43	4°R34	28°17	25° 5	22°56	20°36	3°45	3° 7	2°28	2°11	13° 7	2°20	T 22
F 23	0 37 4	7°20'19	23° 9	29° 4	4°33	28°54	25° 8	22°51	20°39	3°48	3° 6	2°28	2° 7	13°13	2°18	F 23
S 24	0 41 0	8°19'44	6♑29	0♏24	4°29	29°31	25°10	22°47	20°42	3°50	3° 6	2°D27	2° 4	13°20	2°15	S 24
S 25	0 44 57	9°19'10	20°11	1°43	4°23	0♍ 8	25°13	22°43	20°45	3°52	3° 6	2°28	2° 1	13°27	2°12	S 25
M26	0 48 54	10°18'38	4♒15	3° 0	4°14	0°45	25°15	22°38	20°47	3°54	3° 5	2°28	1°58	13°33	2° 9	M26
T 27	0 52 50	11°18'08	18°41	4°17	4° 3	1°22	25°16	22°34	20°50	3°57	3° 5	2°29	1°55	13°40	2° 7	T 27
W28	0 56 47	12°17'40	3♓24	5°32	3°49	1°59	25°18	22°30	20°53	3°59	3° 5	2°30	1°51	13°47	2° 4	W28
T 29	1 0 43	13°17'14	18°21	6°45	3°33	2°36	25°20	22°25	20°55	4° 1	3° 4	2°30	1°48	13°53	2° 1	T 29
F 30	1 4 40	14♎16'49	3♈23	7♏57	3♏15	3♍13	25♊21	22♓21	20♌58	4♎ 3	3♒ 4	2°R30	1♎45	14♍ 0	1♈58	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n40	5s58	2n 1	2n25	0n46	15s15	5s 0	17n29	1n12	22n53	0s29	4s32	2s34	15n41	0n41	0n13	1n32	26s29	7s13	1s 0	1s19	5n43	4n 1	2n57
F 2	5 17	1 17	0 40	1 39	0 39	15 35	5 8	17 18	1 12	22 54	0 29	4 34	2 34	15 40	0 41	0 12	1 32	26 29	7 13	1 0	1 17	5 42	4 0	2 57
S 3	4 54	3n27	0s43	0 53	0 33	15 55	5 16	17 7	1 13	22 54	0 29	4 35	2 34	15 38	0 41	0 11	1 32	26 30	7 13	1 0	1 16	5 40	3 59	2 56
S 4	4 31	7 52	2 2	0 7	0 26	16 15	5 23	16 56	1 13	22 54	0 29	4 37	2 34	15 37	0 41	0 10	1 32	26 30	7 13	1 0	1 15	5 38	3 58	2 56
M 5	4 8	11 42	3 11	0s38	0 19	16 33	5 30	16 45	1 13	22 55	0 29	4 39	2 34	15 36	0 41	0 10	1 32	26 30	7 13	1 0	1 14	5 36	3 56	2 56
T 6	3 45	14 44	4 7	1 23	0 12	16 51	5 38	16 34	1 14	22 55	0 29	4 41	2 35	15 35	0 41	0 9	1 32	26 30	7 13	1 1	1 12	5 35	3 55	2 56
W 7	3 21	16 51	4 47	2 8	0 5	17 9	5 45	16 22	1 14	22 55	0 29	4 43	2 35	15 34	0 41	0 8	1 32	26 30	7 13	1 1	1 11	5 33	3 54	2 56
T 8	2 58	18 0	5 10	2 52	0s 2	17 25	5 52	16 11	1 14	22 55	0 28	4 45	2 35	15 33	0 41	0 7	1 32	26 30	7 13	1 1	1 10	5 31	3 53	2 56
F 9	2 35	18 12	5 18	3 36	0 9	17 42	5 59	15 59	1 15	22 56	0 28	4 47	2 35	15 32	0 41	0 6	1 32	26 30	7 13	1 1	1 9	5 29	3 52	2 56
S 10	2 11	17 31	5 10	4 19	0 16	17 57	6 6	15 47	1 15	22 56	0 28	4 49	2 35	15 31	0 41	0 5	1 32	26 30	7 12	1 1	1 7	5 28	3 51	2 56
S 11	1 48	16 2	4 48	5 2	0 24	18 11	6 13	15 36	1 15	22 56	0 28	4 51	2 35	15 30	0 41	0 4	1 32	26 31	7 12	1 0	1 6	5 26	3 50	2 56
M12	1 24	13 52	4 14	5 45	0 31	18 25	6 20	15 24	1 16	22 56	0 28	4 53	2 35	15 29	0 41	0 3	1 32	26 31	7 12	1 0	1 5	5 24	3 49	2 56
T 13	1 1	11 9	3 30	6 27	0 38	18 38	6 26	15 12	1 16	22 57	0 28	4 54	2 35	15 28	0 41	0 2	1 32	26 31	7 12	1 0	1 4	5 22	3 47	2 56
W14	0 37	7 58	2 36	7 8	0 46	18 51	6 33	15 0	1 16	22 57	0 28	4 56	2 35	15 27	0 41	0 2	1 32	26 31	7 12	1 0	1 2	5 20	3 46	2 56
T 15	0 14	4 29	1 36	7 49	0 53	19 2	6 39	14 48	1 17	22 57	0 28	4 58	2 35	15 26	0 41	0 1	1 32	26 31	7 12	0 59	1 1	5 19	3 45	2 56
F 16	0s10	0 49	0 32	8 29	1 0	19 12	6 45	14 35	1 17	22 57	0 28	5 0	2 35	15 25	0 41	0s 0	1 32	26 31	7 12	0 59	1 0	5 17	3 44	2 56
S 17	0 34	2s54	0n34	9 9	1 7	19 22	6 50	14 23	1 17	22 57	0 28	5 2	2 35	15 24	0 41	0 1	1 32	26 31	7 12	0 59	0 58	5 15	3 43	2 56
S 18	0 57	6 32	1 39	9 48	1 15	19 30	6 56	14 11	1 17	22 58	0 28	5 4	2 35	15 23	0 41	0 2	1 32	26 31	7 12	0 59	0 57	5 13	3 42	2 56
M19	1 21	9 56	2 40	10 26	1 22	19 38	7 1	13 58	1 18	22 58	0 28	5 6	2 35	15 23	0 41	0 3	1 32	26 31	7 12	0 59	0 56	5 12	3 40	2 56
T 20	1 45	12 57	3 35	11 4	1 29	19 44	7 6	13 46	1 18	22 58	0 28	5 7	2 35	15 22	0 41	0 4	1 32	26 31	7 12	0 59	0 55	5 10	3 39	2 56
W21	2 8	15 26	4 20	11 41	1 36	19 49	7 10	13 33	1 18	22 58	0 28	5 9	2 35	15 21	0 41	0 5	1 32	26 31	7 11	0 59	0 53	5 8	3 38	2 56
T 22	2 32	17 12	4 54	12 17	1 42	19 53	7 14	13 21	1 19	22 58	0 28	5 11	2 35	15 20	0 41	0 6	1 32	26 31	7 11	0 59	0 52	5 6	3 37	2 56
F 23	2 55	18 8	5 14	12 53	1 49	19 56	7 17	13 8	1 19	22 58	0 28	5 13	2 35	15 19	0 41	0 6	1 32	26 31	7 11	0 59	0 51	5 5	3 36	2 55
S 24	3 19	18 5	5 17	13 27	1 56	19 57	7 20	12 55	1 19	22 58	0 28	5 14	2 35	15 18	0 41	0 7	1 32	26 31	7 11	0 59	0 50	5 3	3 35	2 55
S 25	3 42	17 1	5 3	14 1	2 2	19 58	7 23	12 42	1 20	22 59	0 28	5 16	2 35	15 17	0 41	0 8	1 32	26 31	7 11	0 59	0 48	5 1	3 33	2 55
M26	4 6	14 53	4 30	14 34	2 8	19 57	7 25	12 29	1 20	22 59	0 28	5 18	2 35	15 16	0 41	0 9	1 32	26 31	7 11	0 59	0 47	4 59	3 32	2 55
T 27	4 29	11 48	3 40	15 6	2 14	19 54	7 27	12 16	1 20	22 59	0 28	5 19	2 34	15 15	0 41	0 10	1 32	26 31	7 11	0 59	0 46	4 57	3 31	2 55
W28	4 53	7 53	2 35	15 37	2 20	19 50	7 27	12 3	1 20	22 59	0 28	5 21	2 34	15 15	0 42	0 11	1 32	26 31	7 11	1 0	0 44	4 56	3 30	2 55
T 29	5 16	3 26	1 18	16 6	2 25	19 45	7 28	11 50	1 21	22 59	0 28	5 23	2 34	15 14	0 42	0 12	1 32	26 31	7 10	1 0	0 43	4 54	3 29	2 55
F 30	5s39	1n17	0s 5	16s35	2s31	19s38	7s27	11n37	1n21	22n59	0s28	5s24	2s34	15n13	0n42	0s13	1n32	26s31	7s10	1s 0	0s42	4n52	3n27	2n55

Julian Day Number = 2192108.5, Delta T = 10m40s
Ecliptic obliquity = 23°31'45, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'01, Lahiri = 13°57'02 Julian Calendar 1 Sept. 1289 == Greg. Calendar 8 Sept. 1289

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

OCTOBER 1289 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 8 36	15♎16'27	18♈23	9♏ 7	2°R55	3♍50	25♊22	22°R17	21♌ 1	4♎ 5	3°R 4	2°R30	1♎42	14♍ 6	1°R56	S 1
S 2	1 12 33	16°16'06	3♉11	10°15	2♏32	4°27	25°23	22♓13	21° 3	4° 8	3♒ 4	2♎29	1°39	14°13	1♈53	S 2
M 3	1 16 29	17°15'48	17°42	11°21	2° 7	5° 3	25°23	22° 9	21° 6	4°10	3° 3	2°27	1°36	14°20	1°50	M 3
T 4	1 20 26	18°15'32	1♊48	12°24	1°40	5°40	25°24	22° 5	21° 8	4°12	3° 3	2°25	1°32	14°26	1°48	T 4
W 5	1 24 23	19°15'18	15°27	13°26	1°11	6°17	25°24	22° 1	21°10	4°14	3° 3	2°23	1°29	14°33	1°45	W 5
T 6	1 28 19	20°15'06	28°40	14°24	0°41	6°54	25°R24	21°57	21°13	4°16	3° 3	2°21	1°26	14°40	1°42	T 6
F 7	1 32 16	21°14'57	11♋28	15°19	0° 9	7°30	25°24	21°53	21°15	4°19	3° 3	2°20	1°23	14°46	1°40	F 7
S 8	1 36 12	22°14'50	23°55	16°11	29♎36	8° 7	25°24	21°50	21°17	4°21	3° 3	2°D20	1°20	14°53	1°37	S 8
S 9	1 40 9	23°14'45	6♌ 5	16°59	29° 2	8°44	25°23	21°46	21°20	4°23	3°D 3	2°20	1°17	15° 0	1°35	S 9
M10	1 44 5	24°14'43	18° 3	17°43	28°26	9°20	25°23	21°42	21°22	4°25	3° 3	2°22	1°13	15° 6	1°32	M10
T 11	1 48 2	25°14'42	29°53	18°22	27°50	9°57	25°22	21°39	21°24	4°27	3° 3	2°23	1°10	15°13	1°30	T 11
W12	1 51 58	26°14'44	11♍40	18°56	27°14	10°33	25°21	21°35	21°26	4°29	3° 3	2°25	1° 7	15°20	1°27	W12
T 13	1 55 55	27°14'47	23°28	19°24	26°38	11°10	25°19	21°32	21°28	4°31	3° 3	2°26	1° 4	15°26	1°25	T 13
F 14	1 59 52	28°14'53	5♎21	19°45	26° 1	11°46	25°18	21°29	21°30	4°33	3° 3	2°R27	1° 1	15°33	1°22	F 14
S 15	2 3 48	29°15'01	17°21	20° 0	25°25	12°23	25°16	21°26	21°32	4°36	3° 3	2°26	0°57	15°40	1°20	S 15
S 16	2 7 45	0♏15'11	29°31	20°R 7	24°50	12°59	25°14	21°22	21°34	4°38	3° 4	2°23	0°54	15°46	1°18	S 16
M17	2 11 41	1°15'22	11♏52	20° 6	24°15	13°36	25°12	21°19	21°36	4°40	3° 4	2°19	0°51	15°53	1°15	M17
T 18	2 15 38	2°15'36	24°26	19°56	23°41	14°12	25°10	21°16	21°38	4°42	3° 4	2°15	0°48	16° 0	1°13	T 18
W19	2 19 34	3°15'51	7♐11	19°36	23° 9	14°48	25° 7	21°14	21°39	4°44	3° 4	2° 9	0°45	16° 6	1°11	W19
T 20	2 23 31	4°16'08	20°10	19° 7	22°37	15°25	25° 4	21°11	21°41	4°46	3° 5	2° 4	0°42	16°13	1° 9	T 20
F 21	2 27 27	5°16'26	3♑22	18°28	22° 8	16° 1	25° 1	21° 8	21°43	4°48	3° 5	1°59	0°38	16°19	1° 6	F 21
S 22	2 31 24	6°16'46	16°48	17°39	21°40	16°37	24°58	21° 5	21°44	4°50	3° 5	1°56	0°35	16°26	1° 4	S 22
S 23	2 35 21	7°17'08	0♒28	16°41	21°14	17°13	24°55	21° 3	21°46	4°52	3° 6	1°55	0°32	16°33	1° 2	S 23
M24	2 39 17	8°17'30	14°23	15°34	20°51	17°49	24°51	21° 1	21°47	4°54	3° 6	1°D55	0°29	16°39	1° 0	M24
T 25	2 43 14	9°17'54	28°31	14°21	20°29	18°25	24°48	20°58	21°49	4°56	3° 7	1°56	0°26	16°46	0°58	T 25
W26	2 47 10	10°18'20	12♓52	13° 3	20°10	19° 1	24°44	20°56	21°50	4°58	3° 7	1°57	0°22	16°53	0°56	W26
T 27	2 51 7	11°18'47	27°24	11°43	19°53	19°37	24°40	20°54	21°51	4°59	3° 7	1°R58	0°19	16°59	0°54	T 27
F 28	2 55 3	12°19'15	12♈ 2	10°23	19°38	20°13	24°36	20°52	21°53	5° 1	3° 8	1°58	0°16	17° 6	0°52	F 28
S 29	2 59 0	13°19'45	26°42	9° 5	19°26	20°49	24°31	20°50	21°54	5° 3	3° 9	1°55	0°13	17°13	0°50	S 29
S 30	3 2 56	14°20'16	11♉15	7°53	19°16	21°25	24°27	20°48	21°55	5° 5	3° 9	1°51	0°10	17°19	0°48	S 30
M31	3 6 53	15♏20'49	25♉37	6♏48	19♎ 9	22♍ 1	24♊22	20♓46	21♌56	5♎ 7	3♒10	1♎45	0♎ 7	17♍26	0♈47	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	6s 2	5n54	1s27	17s 2	2s36	19s30	7s26	11n24	1n21	22n59	0s28	5s26	2s34	15n12	0n42	0s13	1n32	26s31	7s10	1s 0	0s41	4n50	3n26	2n55
S 2	6 25	10 5	2 42	17 29	2 40	19 20	7 24	11 11	1 22	22 59	0 28	5 27	2 34	15 11	0 42	0 14	1 32	26 31	7 10	0 59	0 39	4 48	3 25	2 55
M 3	6 48	13 34	3 45	17 54	2 44	19 9	7 22	10 58	1 22	22 59	0 28	5 29	2 34	15 11	0 42	0 15	1 32	26 31	7 10	0 59	0 38	4 47	3 24	2 54
T 4	7 11	16 9	4 33	18 17	2 48	18 56	7 18	10 44	1 22	22 59	0 28	5 30	2 34	15 10	0 42	0 16	1 32	26 31	7 10	0 58	0 37	4 45	3 23	2 54
W 5	7 34	17 43	5 3	18 39	2 52	18 42	7 14	10 31	1 22	22 59	0 28	5 32	2 34	15 9	0 42	0 17	1 32	26 30	7 10	0 57	0 36	4 43	3 22	2 54
T 6	7 57	18 16	5 16	19 0	2 55	18 26	7 9	10 17	1 23	22 59	0 28	5 33	2 34	15 9	0 42	0 18	1 32	26 30	7 10	0 56	0 34	4 41	3 20	2 54
F 7	8 19	17 51	5 12	19 19	2 57	18 9	7 3	10 4	1 23	22 59	0 28	5 35	2 34	15 8	0 42	0 19	1 32	26 30	7 10	0 56	0 33	4 40	3 19	2 54
S 8	8 42	16 34	4 54	19 36	2 59	17 51	6 56	9 50	1 23	22 59	0 28	5 36	2 33	15 7	0 42	0 19	1 32	26 30	7 9	0 56	0 32	4 38	3 18	2 54
S 9	9 4	14 34	4 23	19 51	3 0	17 31	6 48	9 37	1 23	22 59	0 27	5 37	2 33	15 6	0 42	0 20	1 32	26 30	7 9	0 56	0 31	4 36	3 17	2 54
M10	9 26	11 58	3 41	20 3	3 0	17 10	6 40	9 23	1 24	22 59	0 27	5 39	2 33	15 6	0 42	0 21	1 32	26 30	7 9	0 57	0 29	4 34	3 16	2 54
T 11	9 48	8 54	2 50	20 14	3 0	16 49	6 31	9 10	1 24	22 59	0 27	5 40	2 33	15 5	0 42	0 22	1 32	26 30	7 9	0 57	0 28	4 32	3 15	2 53
W12	10 10	5 29	1 52	20 22	2 58	16 26	6 21	8 56	1 24	22 59	0 27	5 41	2 33	15 4	0 42	0 23	1 32	26 30	7 9	0 58	0 27	4 31	3 14	2 53
T 13	10 32	1 51	0 49	20 28	2 56	16 3	6 10	8 42	1 24	23 0	0 27	5 42	2 33	15 4	0 42	0 23	1 32	26 29	7 9	0 58	0 25	4 29	3 13	2 53
F 14	10 53	1s53	0n16	20 31	2 53	15 39	5 59	8 29	1 25	22 59	0 27	5 44	2 33	15 3	0 42	0 24	1 32	26 29	7 9	0 59	0 24	4 27	3 12	2 53
S 15	11 15	5 35	1 21	20 30	2 48	15 14	5 47	8 15	1 25	22 59	0 27	5 45	2 33	15 3	0 42	0 25	1 32	26 29	7 9	0 58	0 23	4 25	3 10	2 53
S 16	11 36	9 7	2 23	20 27	2 42	14 49	5 34	8 1	1 25	22 59	0 27	5 46	2 32	15 2	0 42	0 26	1 32	26 29	7 8	0 57	0 22	4 23	3 9	2 53
M17	11 57	12 17	3 20	20 19	2 35	14 24	5 21	7 47	1 26	22 59	0 27	5 47	2 32	15 1	0 42	0 27	1 33	26 29	7 8	0 56	0 20	4 22	3 8	2 53
T 18	12 18	14 57	4 7	20 8	2 26	13 59	5 7	7 33	1 26	22 59	0 27	5 48	2 32	15 1	0 42	0 27	1 33	26 29	7 8	0 54	0 19	4 20	3 7	2 52
W19	12 39	16 56	4 43	19 52	2 16	13 33	4 53	7 20	1 26	22 59	0 27	5 49	2 32	15 0	0 42	0 28	1 33	26 28	7 8	0 52	0 18	4 18	3 6	2 52
T 20	12 59	18 5	5 6	19 33	2 4	13 8	4 38	7 6	1 26	22 59	0 27	5 50	2 32	15 0	0 42	0 29	1 33	26 28	7 8	0 49	0 17	4 16	3 5	2 52
F 21	13 20	18 17	5 12	19 9	1 50	12 43	4 24	6 52	1 27	22 59	0 27	5 51	2 32	14 59	0 42	0 30	1 33	26 28	7 8	0 48	0 15	4 14	3 4	2 52
S 22	13 40	17 28	5 2	18 40	1 34	12 19	4 9	6 38	1 27	22 59	0 27	5 52	2 31	14 59	0 42	0 31	1 33	26 28	7 8	0 46	0 14	4 13	3 3	2 52
S 23	14 0	15 39	4 34	18 7	1 17	11 55	3 54	6 24	1 27	22 59	0 27	5 53	2 31	14 58	0 42	0 31	1 33	26 28	7 7	0 46	0 13	4 11	3 2	2 52
M24	14 19	12 54	3 51	17 30	0 59	11 32	3 38	6 10	1 27	22 59	0 27	5 53	2 31	14 58	0 43	0 32	1 33	26 27	7 7	0 46	0 12	4 9	3 1	2 51
T 25	14 39	9 20	2 52	16 50	0 39	11 10	3 23	5 56	1 28	22 59	0 27	5 54	2 31	14 58	0 43	0 33	1 33	26 27	7 7	0 46	0 10	4 7	3 0	2 51
W26	14 58	5 11	1 42	16 7	0 19	10 48	3 8	5 42	1 28	22 59	0 27	5 55	2 31	14 57	0 43	0 33	1 33	26 27	7 7	0 47	0 9	4 5	2 59	2 51
T 27	15 17	0 39	0 25	15 23	0n 2	10 28	2 53	5 28	1 28	22 59	0 26	5 55	2 30	14 57	0 43	0 34	1 33	26 27	7 7	0 47	0 8	4 4	2 58	2 51
F 28	15 36	3n56	0s55	14 38	0 22	10 8	2 37	5 14	1 28	22 59	0 26	5 56	2 30	14 56	0 43	0 35	1 33	26 26	7 7	0 47	0 6	4 2	2 57	2 51
S 29	15 54	8 18	2 10	13 55	0 42	9 50	2 22	5 0	1 28	22 59	0 26	5 57	2 30	14 56	0 43	0 36	1 33	26 26	7 7	0 46	0 5	4 0	2 56	2 51
S 30	16 12	12 9	3 17	13 13	1 1	9 32	2 8	4 46	1 29	22 59	0 26	5 57	2 30	14 56	0 43	0 36	1 33	26 26	7 7	0 44	0 4	3 58	2 56	2 50
M31	16s30	15n11	4s10	12s36	1n19	9s16	1s53	4n32	1n29	22n58	0s26	5s58	2s30	14n55	0n43	0s37	1n33	26s26	7s 6	0s42	0s 3	3n56	2n55	2n50

Julian Day Number = 2192138.5, Delta T = 10m40s
Ecliptic obliquity = 23°31'45, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'05, Lahiri = 13°57'06 Julian Calendar 1 Oct. 1289 == Greg. Calendar 8 Oct. 1289

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

NOVEMBER 1289 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 10 49	16♏21'23	9♊40	5°R53	19°R 5	22♍37	24°R17	20°R45	21♌57	5♎ 9	3♒10	1°R38	0♎ 3	17♍33	0°R45	T 1
W 2	3 14 46	17°21'59	23°21	5♏ 8	19°D 2	23°13	24♊12	20♓43	21°58	5°10	3°11	1♎30	0° 0	17°39	0♈43	W 2
T 3	3 18 43	18°22'37	6♋37	4°34	19♎ 3	23°48	24° 7	20°42	21°59	5°12	3°12	1°22	29♍57	17°46	0°42	T 3
F 4	3 22 39	19°23'16	19°29	4°13	19° 5	24°24	24° 1	20°40	22° 0	5°14	3°12	1°16	29°54	17°53	0°40	F 4
S 5	3 26 36	20°23'58	1♌59	4°D 3	19°10	25° 0	23°55	20°39	22° 1	5°16	3°13	1°12	29°51	17°59	0°38	S 5
S 6	3 30 32	21°24'40	14°11	4° 4	19°18	25°35	23°50	20°38	22° 2	5°17	3°14	1°10	29°48	18° 6	0°37	S 6
M 7	3 34 29	22°25'25	26° 9	4°15	19°28	26°11	23°44	20°37	22° 3	5°19	3°15	1°D10	29°44	18°12	0°35	M 7
T 8	3 38 25	23°26'11	7♍59	4°37	19°40	26°46	23°38	20°36	22° 3	5°21	3°15	1°11	29°41	18°19	0°34	T 8
W 9	3 42 22	24°26'58	19°47	5° 7	19°54	27°22	23°32	20°35	22° 4	5°22	3°16	1°12	29°38	18°26	0°33	W 9
T 10	3 46 18	25°27'47	1♎36	5°45	20°10	27°57	23°25	20°35	22° 5	5°24	3°17	1°R13	29°35	18°32	0°31	T 10
F 11	3 50 15	26°28'37	13°33	6°30	20°28	28°33	23°19	20°34	22° 5	5°25	3°18	1°12	29°32	18°39	0°30	F 11
S 12	3 54 12	27°29'29	25°41	7°21	20°49	29° 8	23°12	20°33	22° 6	5°27	3°19	1° 9	29°28	18°46	0°29	S 12
S 13	3 58 8	28°30'23	8♏ 2	8°18	21°11	29°43	23° 5	20°33	22° 6	5°28	3°20	1° 3	29°25	18°52	0°28	S 13
M14	4 2 5	29°31'17	20°39	9°19	21°35	0♎18	22°59	20°33	22° 6	5°30	3°21	0°55	29°22	18°59	0°26	M14
T 15	4 6 1	0♐32'13	3♐33	10°25	22° 1	0°54	22°52	20°33	22° 7	5°31	3°22	0°45	29°19	19° 6	0°25	T 15
W16	4 9 58	1°33'10	16°42	11°35	22°28	1°29	22°44	20°D33	22° 7	5°33	3°23	0°34	29°16	19°12	0°24	W16
T 17	4 13 54	2°34'08	0♑ 5	12°47	22°57	2° 4	22°37	20°33	22° 7	5°34	3°24	0°22	29°13	19°19	0°23	T 17
F 18	4 17 51	3°35'06	13°40	14° 2	23°28	2°39	22°30	20°33	22° 7	5°36	3°25	0°13	29° 9	19°26	0°22	F 18
S 19	4 21 47	4°36'06	27°24	15°19	24° 0	3°14	22°23	20°33	22° 7	5°37	3°26	0° 5	29° 6	19°32	0°22	S 19
S 20	4 25 44	5°37'06	11♒15	16°39	24°34	3°49	22°15	20°33	22°R 7	5°38	3°27	29♍59	29° 3	19°39	0°21	S 20
M21	4 29 41	6°38'07	25°12	18° 0	25° 9	4°24	22° 7	20°34	22° 7	5°40	3°28	29°57	29° 0	19°46	0°20	M21
T 22	4 33 37	7°39'09	9♓14	19°23	25°46	4°58	22° 0	20°35	22° 7	5°41	3°29	29°D57	28°57	19°52	0°19	T 22
W23	4 37 34	8°40'10	23°21	20°47	26°24	5°33	21°52	20°35	22° 7	5°42	3°30	29°R57	28°54	19°59	0°19	W23
T 24	4 41 30	9°41'13	7♈31	22°11	27° 3	6° 8	21°44	20°36	22° 7	5°43	3°32	29°57	28°50	20° 5	0°18	T 24
F 25	4 45 27	10°42'16	21°43	23°37	27°44	6°42	21°36	20°37	22° 7	5°45	3°33	29°55	28°47	20°12	0°18	F 25
S 26	4 49 23	11°43'19	5♉54	25° 4	28°25	7°17	21°29	20°38	22° 6	5°46	3°34	29°51	28°44	20°19	0°17	S 26
S 27	4 53 20	12°44'23	20° 2	26°32	29° 8	7°51	21°21	20°39	22° 6	5°47	3°35	29°43	28°41	20°25	0°17	S 27
M28	4 57 16	13°45'28	4♊ 1	28° 0	29°52	8°26	21°13	20°41	22° 5	5°48	3°37	29°33	28°38	20°32	0°16	M28
T 29	5 1 13	14°46'33	17°47	29°28	0♏37	9° 0	21° 4	20°42	22° 5	5°49	3°38	29°21	28°34	20°39	0°16	T 29
W30	5 5 10	15♐47'39	1♋17	0♐57	1♏22	9♎34	20♊56	20♓43	22♌ 4	5♎50	3♒39	29♍ 8	28♍31	20♍45	0♈16	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s47	17n16	4s47	12s 3	1n34	9s 1	1s39	4n18	1n29	22n58	0s26	5s58	2s30	14n55	0n43	0s38	1n33	26s25	7s 6	0s39	0s 1	3n55	2n54	2n50
W 2	17 5	18 17	5 6	11 35	1 48	8 47	1 25	4 4	1 29	22 58	0 26	5 59	2 29	14 55	0 43	0 38	1 33	26 25	7 6	0 36	0 0	3 53	2 53	2 50
T 3	17 22	18 15	5 7	11 13	2 0	8 35	1 11	3 50	1 30	22 58	0 26	5 59	2 29	14 54	0 43	0 39	1 33	26 25	7 6	0 33	0n 1	3 51	2 52	2 50
F 4	17 38	17 16	4 53	10 56	2 10	8 23	0 58	3 36	1 30	22 58	0 26	5 59	2 29	14 54	0 43	0 40	1 33	26 25	7 6	0 31	0 2	3 49	2 51	2 49
S 5	17 55	15 29	4 26	10 46	2 17	8 13	0 45	3 22	1 30	22 58	0 26	6 0	2 29	14 54	0 43	0 40	1 33	26 24	7 6	0 29	0 4	3 47	2 50	2 49
S 6	18 11	13 1	3 46	10 40	2 23	8 4	0 32	3 8	1 30	22 57	0 26	6 0	2 28	14 54	0 43	0 41	1 33	26 24	7 6	0 28	0 5	3 46	2 50	2 49
M 7	18 27	10 4	2 58	10 40	2 27	7 57	0 20	2 54	1 31	22 57	0 26	6 0	2 28	14 54	0 43	0 42	1 33	26 24	7 6	0 28	0 6	3 44	2 49	2 49
T 8	18 42	6 43	2 2	10 45	2 30	7 50	0 8	2 41	1 31	22 57	0 25	6 0	2 28	14 53	0 43	0 42	1 33	26 23	7 6	0 28	0 8	3 42	2 48	2 49
W 9	18 57	3 7	1 1	10 54	2 31	7 45	0n 4	2 27	1 31	22 57	0 25	6 0	2 28	14 53	0 43	0 43	1 33	26 23	7 5	0 29	0 9	3 40	2 47	2 48
T 10	19 12	0s36	0n 2	11 7	2 31	7 40	0 15	2 13	1 31	22 57	0 25	6 1	2 28	14 53	0 43	0 43	1 33	26 23	7 5	0 29	0 10	3 38	2 47	2 48
F 11	19 26	4 21	1 6	11 23	2 30	7 37	0 26	1 59	1 31	22 56	0 25	6 1	2 27	14 53	0 43	0 44	1 33	26 22	7 5	0 29	0 11	3 37	2 46	2 48
S 12	19 40	7 59	2 7	11 42	2 27	7 35	0 37	1 45	1 32	22 56	0 25	6 1	2 27	14 53	0 43	0 45	1 34	26 22	7 5	0 27	0 13	3 35	2 45	2 48
S 13	19 54	11 20	3 4	12 3	2 24	7 34	0 47	1 31	1 32	22 56	0 25	6 0	2 27	14 53	0 43	0 45	1 34	26 22	7 5	0 25	0 14	3 33	2 45	2 48
M14	20 7	14 14	3 53	12 26	2 20	7 34	0 57	1 17	1 32	22 56	0 25	6 0	2 27	14 53	0 43	0 46	1 34	26 21	7 5	0 22	0 15	3 31	2 44	2 47
T 15	20 20	16 31	4 31	12 51	2 16	7 35	1 6	1 3	1 32	22 55	0 25	6 0	2 27	14 53	0 43	0 46	1 34	26 21	7 5	0 18	0 16	3 29	2 43	2 47
W16	20 33	17 58	4 55	13 17	2 11	7 37	1 15	0 49	1 32	22 55	0 25	6 0	2 26	14 53	0 44	0 47	1 34	26 21	7 5	0 13	0 18	3 28	2 43	2 47
T 17	20 45	18 28	5 4	13 44	2 5	7 40	1 24	0 36	1 33	22 55	0 25	6 0	2 26	14 53	0 44	0 47	1 34	26 20	7 5	0 9	0 19	3 26	2 42	2 47
F 18	20 57	17 56	4 55	14 13	1 59	7 43	1 32	0 22	1 33	22 55	0 24	6 0	2 26	14 53	0 44	0 48	1 34	26 20	7 4	0 5	0 20	3 24	2 42	2 47
S 19	21 8	16 20	4 30	14 41	1 53	7 48	1 40	0 8	1 33	22 54	0 24	5 59	2 26	14 53	0 44	0 48	1 34	26 20	7 4	0 2	0 21	3 22	2 41	2 46
S 20	21 19	13 48	3 49	15 10	1 47	7 53	1 48	0s 6	1 33	22 54	0 24	5 59	2 25	14 53	0 44	0 49	1 34	26 19	7 4	0n 0	0 23	3 20	2 41	2 46
M21	21 30	10 26	2 54	15 40	1 40	7 59	1 55	0 19	1 33	22 54	0 24	5 58	2 25	14 53	0 44	0 49	1 34	26 19	7 4	0 1	0 24	3 19	2 40	2 46
T 22	21 40	6 28	1 48	16 9	1 33	8 6	2 2	0 33	1 34	22 53	0 24	5 58	2 25	14 53	0 44	0 50	1 34	26 19	7 4	0 1	0 25	3 17	2 40	2 46
W23	21 50	2 7	0 35	16 38	1 26	8 14	2 8	0 47	1 34	22 53	0 24	5 58	2 25	14 53	0 44	0 50	1 34	26 18	7 4	0 1	0 27	3 15	2 39	2 46
T 24	21 59	2n23	0s40	17 7	1 19	8 22	2 15	1 0	1 34	22 53	0 24	5 57	2 25	14 53	0 44	0 51	1 34	26 18	7 4	0 1	0 28	3 13	2 39	2 45
F 25	22 8	6 45	1 53	17 36	1 11	8 31	2 21	1 14	1 34	22 52	0 24	5 56	2 24	14 53	0 44	0 51	1 34	26 17	7 4	0 2	0 29	3 11	2 38	2 45
S 26	22 17	10 44	2 59	18 4	1 4	8 40	2 26	1 27	1 34	22 52	0 23	5 56	2 24	14 53	0 44	0 51	1 34	26 17	7 4	0 4	0 30	3 9	2 38	2 45
S 27	22 25	14 5	3 53	18 32	0 56	8 50	2 32	1 41	1 35	22 51	0 23	5 55	2 24	14 53	0 44	0 52	1 34	26 17	7 4	0 7	0 32	3 8	2 38	2 45
M28	22 32	16 34	4 32	19 0	0 49	9 1	2 37	1 54	1 35	22 51	0 23	5 54	2 24	14 54	0 44	0 52	1 34	26 16	7 4	0 11	0 33	3 6	2 37	2 44
T 29	22 39	18 4	4 55	19 26	0 41	9 12	2 42	2 8	1 35	22 51	0 23	5 54	2 23	14 54	0 44	0 53	1 34	26 16	7 3	0 15	0 34	3 4	2 37	2 44
W30	22s46	18n30	5s 1	19s52	0n34	9s24	2n46	2s21	1n35	22n50	0s23	5s53	2s23	14n54	0n44	0s53	1n34	26s16	7s 3	0n21	0n35	3n 2	2n37	2n44

Julian Day Number = 2192169.5, Delta T = 10m40s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'10, Lahiri = 13°57'10 Julian Calendar 1 Nov. 1289 == Greg. Calendar 8 Nov. 1289

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ASTRODIENST EPHEMERIS for the year 1289
geocentric

DECEMBER 1289 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 9 6	16♐48'46	14♋26	2♐27	2♏ 9	10♎ 9	20°R48	20♓45	22°R 4	5♎51	3♒41	28°R56	28♍28	20♍52	0°R16	T 1
F 2	5 13 3	17°49'53	27°16	3°57	2°57	10°43	20♊40	20°47	22♌ 3	5°52	3°42	28♍45	28°25	20°59	0♈15	F 2
S 3	5 16 59	18°51'01	9♌45	5°27	3°46	11°17	20°32	20°48	22° 3	5°53	3°43	28°37	28°22	21° 5	0°15	S 3
S 4	5 20 56	19°52'09	21°58	6°58	4°35	11°51	20°24	20°50	22° 2	5°54	3°45	28°31	28°19	21°12	0°D15	S 4
M 5	5 24 52	20°53'18	3♍57	8°29	5°26	12°25	20°16	20°52	22° 1	5°55	3°46	28°28	28°15	21°19	0°15	M 5
T 6	5 28 49	21°54'28	15°47	10° 0	6°17	12°59	20° 8	20°54	22° 0	5°56	3°47	28°27	28°12	21°25	0°16	T 6
W 7	5 32 46	22°55'38	27°34	11°32	7° 9	13°33	19°59	20°57	21°59	5°56	3°49	28°27	28° 9	21°32	0°16	W 7
T 8	5 36 42	23°56'49	9♎24	13° 4	8° 2	14° 6	19°51	20°59	21°58	5°57	3°50	28°27	28° 6	21°39	0°16	T 8
F 9	5 40 39	24°58'00	21°22	14°36	8°55	14°40	19°43	21° 1	21°57	5°58	3°52	28°25	28° 3	21°45	0°16	F 9
S 10	5 44 35	25°59'12	3♏33	16° 8	9°49	15°14	19°35	21° 4	21°56	5°59	3°53	28°22	28° 0	21°52	0°16	S 10
S 11	5 48 32	27° 0'24	16° 2	17°41	10°44	15°47	19°27	21° 7	21°55	5°59	3°55	28°15	27°56	21°58	0°17	S 11
M12	5 52 28	28° 1'37	28°50	19°14	11°39	16°20	19°19	21° 9	21°54	6° 0	3°56	28° 5	27°53	22° 5	0°17	M12
T 13	5 56 25	29° 2'50	12♐ 0	20°47	12°35	16°54	19°11	21°12	21°53	6° 1	3°58	27°53	27°50	22°12	0°18	T 13
W14	6 0 21	0♑ 4'03	25°30	22°21	13°32	17°27	19° 3	21°15	21°51	6° 1	3°59	27°40	27°47	22°18	0°18	W14
T 15	6 4 18	1° 5'16	9♑19	23°55	14°29	18° 0	18°55	21°18	21°50	6° 2	4° 1	27°27	27°44	22°25	0°19	T 15
F 16	6 8 15	2° 6'29	23°21	25°29	15°27	18°33	18°48	21°21	21°49	6° 2	4° 3	27°15	27°40	22°32	0°20	F 16
S 17	6 12 11	3° 7'42	7♒32	27° 4	16°25	19° 6	18°40	21°24	21°47	6° 3	4° 4	27° 5	27°37	22°38	0°20	S 17
S 18	6 16 8	4° 8'55	21°47	28°39	17°23	19°39	18°32	21°28	21°46	6° 3	4° 6	26°59	27°34	22°45	0°21	S 18
M19	6 20 4	5°10'07	6♓ 1	0♑14	18°23	20°12	18°25	21°31	21°44	6° 4	4° 8	26°55	27°31	22°52	0°22	M19
T 20	6 24 1	6°11'19	20°13	1°50	19°22	20°45	18°17	21°35	21°43	6° 4	4° 9	26°54	27°28	22°58	0°23	T 20
W21	6 27 57	7°12'30	4♈19	3°26	20°22	21°17	18°10	21°38	21°41	6° 4	4°11	26°54	27°25	23° 5	0°24	W21
T 22	6 31 54	8°13'41	18°20	5° 3	21°23	21°50	18° 3	21°42	21°39	6° 5	4°12	26°54	27°21	23°12	0°25	T 22
F 23	6 35 50	9°14'51	2♉15	6°40	22°23	22°22	17°56	21°46	21°38	6° 5	4°14	26°52	27°18	23°18	0°26	F 23
S 24	6 39 47	10°16'00	16° 3	8°17	23°25	22°54	17°49	21°50	21°36	6° 5	4°16	26°48	27°15	23°25	0°27	S 24
S 25	6 43 44	11°17'09	29°44	9°55	24°26	23°27	17°42	21°54	21°34	6° 5	4°18	26°40	27°12	23°32	0°28	S 25
M26	6 47 40	12°18'18	13♊17	11°33	25°28	23°59	17°35	21°58	21°32	6° 6	4°19	26°30	27° 9	23°38	0°29	M26
T 27	6 51 37	13°19'25	26°38	13°12	26°31	24°31	17°28	22° 2	21°31	6° 6	4°21	26°18	27° 6	23°45	0°31	T 27
W28	6 55 33	14°20'33	9♋46	14°51	27°33	25° 2	17°22	22° 6	21°29	6° 6	4°23	26° 6	27° 2	23°51	0°32	W28
T 29	6 59 30	15°21'39	22°39	16°31	28°36	25°34	17°15	22°10	21°27	6° 6	4°24	25°53	26°59	23°58	0°33	T 29
F 30	7 3 26	16°22'45	5♌17	18°12	29°40	26° 6	17° 9	22°15	21°25	6°R 6	4°26	25°42	26°56	24° 5	0°35	F 30
S 31	7 7 23	17♑23'51	17♌40	19♑52	0♐44	26♎37	17♊ 3	22♓19	21♌23	6♎ 6	4♒28	25♍33	26♍53	24♍11	0♈36	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s52	17n56	4s50	20s18	0n27	9s36	2n50	2s34	1n35	22n50	0s23	5s52	2s23	14n54	0n44	0s53	1n35	26s15	7s 3	0n26	0n37	3n 0	2n36	2n44
F 2	22 58	16 27	4 25	20 42	0 19	9 49	2 54	2 48	1 36	22 49	0 23	5 51	2 23	14 54	0 44	0 54	1 35	26 15	7 3	0 30	0 38	2 59	2 36	2 44
S 3	23 4	14 13	3 48	21 6	0 12	10 1	2 58	3 1	1 36	22 49	0 23	5 50	2 22	14 55	0 44	0 54	1 35	26 14	7 3	0 33	0 39	2 57	2 36	2 43
S 4	23 8	11 23	3 1	21 28	0 5	10 15	3 2	3 14	1 36	22 48	0 22	5 49	2 22	14 55	0 44	0 54	1 35	26 14	7 3	0 35	0 40	2 55	2 36	2 43
M 5	23 13	8 8	2 6	21 50	0s 2	10 28	3 5	3 27	1 36	22 48	0 22	5 48	2 22	14 55	0 44	0 54	1 35	26 14	7 3	0 37	0 42	2 53	2 36	2 43
T 6	23 17	4 36	1 7	22 11	0 9	10 42	3 8	3 40	1 36	22 48	0 22	5 47	2 22	14 56	0 44	0 55	1 35	26 13	7 3	0 37	0 43	2 51	2 35	2 43
W 7	23 20	0 54	0 5	22 31	0 16	10 57	3 11	3 53	1 36	22 47	0 22	5 46	2 22	14 56	0 44	0 55	1 35	26 13	7 3	0 37	0 44	2 49	2 35	2 43
T 8	23 23	2s51	0n58	22 50	0 23	11 11	3 13	4 6	1 36	22 47	0 22	5 45	2 21	14 56	0 44	0 55	1 35	26 12	7 3	0 37	0 46	2 48	2 35	2 42
F 9	23 26	6 32	1 58	23 7	0 30	11 26	3 15	4 19	1 37	22 46	0 22	5 44	2 21	14 57	0 45	0 56	1 35	26 12	7 3	0 38	0 47	2 46	2 35	2 42
S 10	23 28	10 1	2 54	23 24	0 36	11 41	3 18	4 32	1 37	22 46	0 21	5 43	2 21	14 57	0 45	0 56	1 35	26 11	7 3	0 39	0 48	2 44	2 35	2 42
S 11	23 30	13 8	3 44	23 40	0 42	11 56	3 19	4 45	1 37	22 45	0 21	5 41	2 21	14 57	0 45	0 56	1 35	26 11	7 3	0 42	0 49	2 42	2 35	2 42
M12	23 31	15 42	4 23	23 54	0 49	12 12	3 21	4 57	1 37	22 45	0 21	5 40	2 20	14 58	0 45	0 56	1 35	26 11	7 3	0 46	0 51	2 40	2 35	2 41
T 13	23 31	17 32	4 49	24 7	0 55	12 27	3 23	5 10	1 37	22 44	0 21	5 39	2 20	14 58	0 45	0 56	1 35	26 10	7 3	0 51	0 52	2 39	2 35	2 41
W14	23 32	18 27	5 0	24 19	1 1	12 43	3 24	5 23	1 37	22 44	0 21	5 37	2 20	14 59	0 45	0 57	1 35	26 10	7 3	0 56	0 53	2 37	2 35	2 41
T 15	23 31	18 19	4 54	24 29	1 6	12 59	3 25	5 35	1 38	22 43	0 21	5 36	2 20	14 59	0 45	0 57	1 35	26 9	7 3	1 1	0 54	2 35	2 35	2 41
F 16	23 31	17 4	4 30	24 39	1 12	13 15	3 26	5 48	1 38	22 43	0 21	5 35	2 20	15 0	0 45	0 57	1 35	26 9	7 3	1 6	0 56	2 33	2 35	2 41
S 17	23 29	14 45	3 50	24 47	1 17	13 31	3 26	6 0	1 38	22 42	0 20	5 33	2 19	15 0	0 45	0 57	1 35	26 8	7 2	1 10	0 57	2 31	2 35	2 40
S 18	23 28	11 33	2 54	24 53	1 22	13 47	3 27	6 12	1 38	22 42	0 20	5 32	2 19	15 1	0 45	0 57	1 36	26 8	7 2	1 12	0 58	2 29	2 35	2 40
M19	23 26	7 40	1 48	24 59	1 27	14 3	3 27	6 25	1 38	22 41	0 20	5 30	2 19	15 1	0 45	0 57	1 36	26 8	7 2	1 14	0 59	2 28	2 35	2 40
T 20	23 23	3 21	0 35	25 2	1 31	14 19	3 27	6 37	1 38	22 41	0 20	5 29	2 19	15 2	0 45	0 57	1 36	26 7	7 2	1 14	1 1	2 26	2 36	2 40
W21	23 20	1n 7	0s39	25 5	1 36	14 34	3 27	6 49	1 38	22 40	0 20	5 27	2 19	15 2	0 45	0 57	1 36	26 7	7 2	1 14	1 2	2 24	2 36	2 40
T 22	23 16	5 30	1 51	25 6	1 40	14 50	3 27	7 1	1 38	22 40	0 20	5 25	2 18	15 3	0 45	0 57	1 36	26 6	7 2	1 14	1 3	2 22	2 36	2 39
F 23	23 12	9 33	2 56	25 5	1 44	15 6	3 27	7 13	1 38	22 39	0 19	5 24	2 18	15 3	0 45	0 58	1 36	26 6	7 2	1 15	1 5	2 20	2 36	2 39
S 24	23 8	13 3	3 49	25 3	1 47	15 22	3 26	7 25	1 39	22 39	0 19	5 22	2 18	15 4	0 45	0 58	1 36	26 5	7 2	1 17	1 6	2 18	2 36	2 39
S 25	23 3	15 47	4 29	25 0	1 51	15 38	3 26	7 37	1 39	22 38	0 19	5 20	2 18	15 5	0 45	0 58	1 36	26 5	7 2	1 20	1 7	2 17	2 37	2 39
M26	22 57	17 37	4 54	24 55	1 54	15 53	3 25	7 48	1 39	22 38	0 19	5 18	2 18	15 5	0 45	0 58	1 36	26 5	7 2	1 24	1 8	2 15	2 37	2 38
T 27	22 52	18 28	5 1	24 48	1 56	16 9	3 24	8 0	1 39	22 38	0 19	5 16	2 17	15 6	0 45	0 58	1 36	26 4	7 2	1 28	1 10	2 13	2 37	2 38
W28	22 45	18 18	4 53	24 40	1 59	16 24	3 23	8 12	1 39	22 37	0 19	5 15	2 17	15 7	0 45	0 58	1 36	26 4	7 2	1 34	1 11	2 11	2 38	2 38
T 29	22 38	17 11	4 30	24 30	2 1	16 39	3 22	8 23	1 39	22 37	0 18	5 13	2 17	15 7	0 45	0 58	1 36	26 3	7 2	1 39	1 12	2 9	2 38	2 38
F 30	22 31	15 15	3 53	24 18	2 2	16 54	3 20	8 35	1 39	22 36	0 18	5 11	2 17	15 8	0 45	0 58	1 36	26 3	7 2	1 43	1 13	2 7	2 38	2 38
S 31	22s24	12n38	3s 7	24s 5	2s 3	17s 8	3n19	8s46	1n39	22n36	0s18	5s 9	2s17	15n 9	0n45	0s57	1n36	26s 2	7s 2	1n46	1n15	2n 6	2n39	2n37

Julian Day Number = 2192199.5, Delta T = 10m40s
Ecliptic obliquity = 23°31'43, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'14, Lahiri = 13°57'14 Julian Calendar 1 Dec. 1289 == Greg. Calendar 8 Dec. 1289

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

JANUARY 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 11 19	18♉24'56	29♌48	21♉34	1♐48	27♎ 9	16°R57	22♓24	21°R21	6°R 6	4♒30	25°R27	26♍50	24♍18	0♈38	S 1
M 2	7 15 16	19°26'01	11♍46	23°16	2°52	27°40	16♊51	22°29	21♌19	6♎ 6	4°31	25♍24	26°46	24°25	0°39	M 2
T 3	7 19 13	20°27'05	23°35	24°58	3°56	28°11	16°46	22°33	21°17	6° 6	4°33	25°D23	26°43	24°31	0°41	T 3
W 4	7 23 9	21°28'08	5♎22	26°41	5° 1	28°42	16°40	22°38	21°14	6° 6	4°35	25°23	26°40	24°38	0°43	W 4
T 5	7 27 6	22°29'11	17°12	28°24	6° 6	29°13	16°35	22°43	21°12	6° 5	4°37	25°R24	26°37	24°45	0°44	T 5
F 6	7 31 2	23°30'14	29° 8	0♒ 8	7°12	29°44	16°30	22°48	21°10	6° 5	4°39	25°24	26°34	24°51	0°46	F 6
S 7	7 34 59	24°31'16	11♏19	1°52	8°17	0♏15	16°25	22°53	21° 8	6° 5	4°40	25°22	26°31	24°58	0°48	S 7
S 8	7 38 55	25°32'17	23°47	3°36	9°23	0°45	16°20	22°58	21° 6	6° 5	4°42	25°19	26°27	25° 5	0°50	S 8
M 9	7 42 52	26°33'18	6♐38	5°21	10°29	1°16	16°15	23° 3	21° 3	6° 4	4°44	25°12	26°24	25°11	0°52	M 9
T 10	7 46 48	27°34'18	19°54	7° 6	11°36	1°46	16°11	23° 9	21° 1	6° 4	4°46	25° 4	26°21	25°18	0°54	T 10
W11	7 50 45	28°35'17	3♑36	8°50	12°42	2°16	16° 6	23°14	20°59	6° 4	4°48	24°55	26°18	25°24	0°56	W11
T 12	7 54 42	29°36'16	17°41	10°35	13°49	2°46	16° 2	23°20	20°56	6° 3	4°49	24°45	26°15	25°31	0°58	T 12
F 13	7 58 38	0♒37'13	2♒ 5	12°19	14°56	3°16	15°58	23°25	20°54	6° 3	4°51	24°36	26°12	25°38	1° 0	F 13
S 14	8 2 35	1°38'09	16°42	14° 3	16° 3	3°45	15°54	23°31	20°51	6° 2	4°53	24°29	26° 8	25°44	1° 2	S 14
S 15	8 6 31	2°39'04	1♓24	15°46	17°10	4°15	15°51	23°36	20°49	6° 2	4°55	24°24	26° 5	25°51	1° 4	S 15
M16	8 10 28	3°39'58	16° 5	17°28	18°18	4°44	15°47	23°42	20°47	6° 1	4°57	24°22	26° 2	25°58	1° 6	M16
T 17	8 14 24	4°40'50	0♈38	19° 9	19°25	5°13	15°44	23°48	20°44	6° 1	4°59	24°D22	25°59	26° 4	1° 9	T 17
W18	8 18 21	5°41'41	14°59	20°48	20°33	5°42	15°41	23°54	20°42	6° 0	5° 0	24°23	25°56	26°11	1°11	W18
T 19	8 22 17	6°42'30	29° 7	22°25	21°41	6°11	15°38	23°59	20°39	6° 0	5° 2	24°24	25°52	26°18	1°13	T 19
F 20	8 26 14	7°43'18	12♉59	23°59	22°49	6°39	15°36	24° 5	20°37	5°59	5° 4	24°R24	25°49	26°24	1°16	F 20
S 21	8 30 11	8°44'04	26°37	25°30	23°57	7° 8	15°33	24°11	20°34	5°58	5° 6	24°22	25°46	26°31	1°18	S 21
S 22	8 34 7	9°44'49	10♊ 1	26°57	25° 6	7°36	15°31	24°17	20°31	5°57	5° 8	24°19	25°43	26°38	1°21	S 22
M23	8 38 4	10°45'32	23°12	28°20	26°14	8° 4	15°29	24°24	20°29	5°57	5°10	24°13	25°40	26°44	1°23	M23
T 24	8 42 0	11°46'13	6♋10	29°38	27°23	8°32	15°27	24°30	20°26	5°56	5°11	24° 6	25°37	26°51	1°26	T 24
W25	8 45 57	12°46'53	18°55	0♓50	28°32	9° 0	15°26	24°36	20°24	5°55	5°13	23°58	25°33	26°58	1°29	W25
T 26	8 49 53	13°47'31	1♌28	1°56	29°40	9°27	15°24	24°42	20°21	5°54	5°15	23°51	25°30	27° 4	1°31	T 26
F 27	8 53 50	14°48'08	13°50	2°54	0♑50	9°54	15°23	24°49	20°19	5°53	5°17	23°44	25°27	27°11	1°34	F 27
S 28	8 57 46	15°48'43	26° 0	3°44	1°59	10°21	15°22	24°55	20°16	5°53	5°19	23°39	25°24	27°17	1°37	S 28
S 29	9 1 43	16°49'16	8♍ 1	4°26	3° 8	10°48	15°21	25° 2	20°13	5°52	5°20	23°36	25°21	27°24	1°39	S 29
M30	9 5 40	17°49'48	19°55	4°59	4°17	11°15	15°21	25° 8	20°11	5°51	5°22	23°D34	25°17	27°31	1°42	M30
T 31	9 9 36	18♒50'19	1♎43	5♓22	5♑27	11♏41	15♊20	25♓15	20♌ 8	5♎50	5♒24	23♍35	25♍14	27♍37	1♈45	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s15	9n31	2s12	23s50	2s 4	17s23	3n17	8s57	1n39	22n35	0s18	5s 7	2s16	15n 9	0n45	0s57	1n36	26s 2	7s 2	1n49	1n16	2n 4	2n39	2n37
M 2	22 7	6 4	1 12	23 34	2 5	17 37	3 15	9 8	1 39	22 35	0 18	5 5	2 16	15 10	0 45	0 57	1 36	26 2	7 2	1 50	1 17	2 2	2 40	2 37
T 3	21 58	2 24	0 10	23 16	2 5	17 51	3 13	9 19	1 39	22 35	0 17	5 3	2 16	15 11	0 45	0 57	1 36	26 1	7 2	1 50	1 18	2 0	2 40	2 37
W 4	21 49	1s20	0n53	22 56	2 4	18 4	3 12	9 30	1 39	22 34	0 17	5 1	2 16	15 11	0 45	0 57	1 37	26 1	7 2	1 50	1 20	1 58	2 41	2 37
T 5	21 39	5 1	1 54	22 34	2 3	18 18	3 9	9 41	1 39	22 34	0 17	4 59	2 16	15 12	0 45	0 57	1 37	26 0	7 2	1 50	1 21	1 56	2 41	2 36
F 6	21 28	8 33	2 50	22 11	2 2	18 31	3 7	9 52	1 40	22 34	0 17	4 56	2 16	15 13	0 45	0 57	1 37	26 0	7 2	1 50	1 22	1 55	2 42	2 36
S 7	21 18	11 47	3 40	21 46	2 0	18 44	3 5	10 3	1 40	22 33	0 17	4 54	2 15	15 14	0 45	0 57	1 37	25 59	7 2	1 51	1 24	1 53	2 42	2 36
S 8	21 7	14 34	4 21	21 19	1 57	18 56	3 3	10 13	1 40	22 33	0 17	4 52	2 15	15 14	0 45	0 57	1 37	25 59	7 3	1 52	1 25	1 51	2 43	2 36
M 9	20 55	16 44	4 50	20 51	1 54	19 8	3 0	10 24	1 40	22 33	0 16	4 50	2 15	15 15	0 46	0 56	1 37	25 59	7 3	1 55	1 26	1 49	2 43	2 36
T 10	20 43	18 5	5 4	20 21	1 51	19 20	2 58	10 34	1 40	22 32	0 16	4 48	2 15	15 16	0 46	0 56	1 37	25 58	7 3	1 58	1 27	1 47	2 44	2 35
W11	20 31	18 27	5 2	19 50	1 46	19 31	2 55	10 45	1 40	22 32	0 16	4 45	2 15	15 17	0 46	0 56	1 37	25 58	7 3	2 2	1 29	1 45	2 45	2 35
T 12	20 19	17 42	4 42	19 17	1 41	19 42	2 52	10 55	1 40	22 32	0 16	4 43	2 15	15 17	0 46	0 56	1 37	25 57	7 3	2 6	1 30	1 44	2 45	2 35
F 13	20 6	15 49	4 3	18 42	1 36	19 52	2 49	11 5	1 40	22 32	0 16	4 41	2 14	15 18	0 46	0 56	1 37	25 57	7 3	2 9	1 31	1 42	2 46	2 35
S 14	19 52	12 54	3 8	18 6	1 30	20 2	2 46	11 15	1 40	22 31	0 16	4 38	2 14	15 19	0 46	0 55	1 37	25 57	7 3	2 12	1 32	1 40	2 47	2 35
S 15	19 38	9 8	2 0	17 29	1 22	20 12	2 43	11 25	1 40	22 31	0 15	4 36	2 14	15 20	0 46	0 55	1 37	25 56	7 3	2 14	1 34	1 38	2 47	2 35
M16	19 24	4 50	0 45	16 50	1 15	20 21	2 40	11 35	1 40	22 31	0 15	4 34	2 14	15 21	0 46	0 55	1 37	25 56	7 3	2 15	1 35	1 36	2 48	2 34
T 17	19 10	0 16	0s34	16 11	1 6	20 30	2 37	11 45	1 40	22 31	0 15	4 31	2 14	15 21	0 46	0 55	1 37	25 55	7 3	2 15	1 36	1 34	2 49	2 34
W18	18 55	4n15	1 49	15 31	0 57	20 38	2 34	11 54	1 40	22 31	0 15	4 29	2 14	15 22	0 46	0 54	1 37	25 55	7 3	2 14	1 37	1 33	2 50	2 34
T 19	18 40	8 27	2 57	14 50	0 47	20 46	2 31	12 4	1 40	22 31	0 15	4 26	2 14	15 23	0 46	0 54	1 37	25 55	7 3	2 14	1 39	1 31	2 50	2 34
F 20	18 24	12 6	3 52	14 8	0 36	20 53	2 27	12 13	1 39	22 30	0 14	4 24	2 13	15 24	0 46	0 54	1 37	25 54	7 3	2 14	1 40	1 29	2 51	2 34
S 21	18 9	15 2	4 34	13 27	0 24	21 0	2 24	12 23	1 39	22 30	0 14	4 21	2 13	15 25	0 46	0 53	1 38	25 54	7 3	2 15	1 41	1 27	2 52	2 33
S 22	17 53	17 6	5 0	12 45	0 12	21 6	2 21	12 32	1 39	22 30	0 14	4 19	2 13	15 26	0 46	0 53	1 38	25 53	7 3	2 16	1 43	1 25	2 53	2 33
M23	17 36	18 13	5 9	12 4	0n 2	21 11	2 17	12 41	1 39	22 30	0 14	4 16	2 13	15 26	0 46	0 53	1 38	25 53	7 3	2 18	1 44	1 23	2 54	2 33
T 24	17 19	18 21	5 2	11 24	0 15	21 17	2 14	12 50	1 39	22 30	0 14	4 14	2 13	15 27	0 46	0 52	1 38	25 53	7 4	2 21	1 45	1 22	2 55	2 33
W25	17 2	17 33	4 41	10 45	0 30	21 21	2 10	12 59	1 39	22 30	0 14	4 11	2 13	15 28	0 46	0 52	1 38	25 52	7 4	2 24	1 46	1 20	2 55	2 33
T 26	16 45	15 55	4 6	10 8	0 45	21 25	2 6	13 8	1 39	22 30	0 13	4 8	2 13	15 29	0 46	0 51	1 38	25 52	7 4	2 27	1 48	1 18	2 56	2 33
F 27	16 27	13 33	3 19	9 32	1 1	21 29	2 3	13 17	1 39	22 30	0 13	4 6	2 12	15 30	0 46	0 51	1 38	25 52	7 4	2 30	1 49	1 16	2 57	2 32
S 28	16 9	10 38	2 25	8 59	1 16	21 32	1 59	13 25	1 39	22 30	0 13	4 3	2 12	15 31	0 46	0 51	1 38	25 51	7 4	2 32	1 50	1 14	2 58	2 32
S 29	15 51	7 18	1 24	8 29	1 32	21 34	1 55	13 34	1 39	22 30	0 13	4 0	2 12	15 31	0 46	0 50	1 38	25 51	7 4	2 33	1 51	1 12	2 59	2 32
M30	15 33	3 42	0 20	8 2	1 49	21 36	1 51	13 42	1 38	22 31	0 13	3 58	2 12	15 32	0 46	0 50	1 38	25 50	7 4	2 34	1 53	1 11	3 0	2 32
T 31	15s14	0s 0	0n44	7s39	2n 4	21s37	1n48	13s50	1n38	22n31	0s13	3s55	2s12	15n33	0n46	0s49	1n38	25s50	7s 4	2n34	1n54	1n 9	3n 1	2n32

Julian Day Number = 2192230.5, Delta T = 10m40s
Ecliptic obliquity = 23°31'44, Nutation = 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'18, Lahiri = 13°57'19 Julian Calendar 1 Jan. 1290 == Greg. Calendar 8 Jan. 1290

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

FEBRUARY 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 13 33	19♒50'48	13♎30	5♓35	6♑36	12♏ 7	15°R20	25♓21	20°R 5	5°R49	5♒26	23♍36	25♍11	27♍44	1♈48	W 1
T 2	9 17 29	20°51'16	25°19	5°R38	7°46	12°33	15°D20	25°28	20♌ 3	5♎48	5°28	23°38	25° 8	27°51	1°51	T 2
F 3	9 21 26	21°51'42	7♏16	5°30	8°56	12°59	15♊20	25°35	20° 0	5°47	5°29	23°40	25° 5	27°57	1°54	F 3
S 4	9 25 22	22°52'07	19°24	5°13	10° 6	13°24	15°21	25°41	19°58	5°45	5°31	23°R41	25° 2	28° 4	1°57	S 4
S 5	9 29 19	23°52'31	1♐50	4°46	11°16	13°50	15°21	25°48	19°55	5°44	5°33	23°40	24°58	28°11	2° 0	S 5
M 6	9 33 15	24°52'53	14°37	4°11	12°26	14°15	15°22	25°55	19°52	5°43	5°35	23°39	24°55	28°17	2° 3	M 6
T 7	9 37 12	25°53'14	27°49	3°27	13°36	14°39	15°23	26° 2	19°50	5°42	5°36	23°36	24°52	28°24	2° 6	T 7
W 8	9 41 9	26°53'33	11♑29	2°37	14°47	15° 4	15°24	26° 9	19°47	5°41	5°38	23°32	24°49	28°31	2° 9	W 8
T 9	9 45 5	27°53'51	25°36	1°41	15°57	15°28	15°26	26°16	19°44	5°40	5°40	23°28	24°46	28°37	2°12	T 9
F 10	9 49 2	28°54'07	10♒ 7	0°41	17° 7	15°52	15°27	26°23	19°42	5°38	5°41	23°25	24°43	28°44	2°15	F 10
S 11	9 52 58	29°54'22	24°57	29♒39	18°18	16°15	15°29	26°30	19°39	5°37	5°43	23°22	24°39	28°50	2°18	S 11
S 12	9 56 55	0♓54'34	9♓58	28°36	19°29	16°38	15°31	26°37	19°37	5°36	5°45	23°20	24°36	28°57	2°21	S 12
M13	10 0 51	1°54'45	25° 2	27°33	20°39	17° 1	15°33	26°44	19°34	5°35	5°47	23°D20	24°33	29° 4	2°25	M13
T 14	10 4 48	2°54'53	9♈59	26°32	21°50	17°24	15°35	26°51	19°32	5°33	5°48	23°20	24°30	29°10	2°28	T 14
W15	10 8 44	3°55'00	24°43	25°35	23° 1	17°46	15°38	26°58	19°29	5°32	5°50	23°22	24°27	29°17	2°31	W15
T 16	10 12 41	4°55'04	9♉ 8	24°42	24°12	18° 8	15°41	27° 5	19°27	5°31	5°51	23°23	24°23	29°24	2°34	T 16
F 17	10 16 38	5°55'06	23°11	23°53	25°22	18°30	15°44	27°12	19°24	5°29	5°53	23°24	24°20	29°30	2°38	F 17
S 18	10 20 34	6°55'06	6♊52	23°11	26°33	18°51	15°47	27°20	19°22	5°28	5°55	23°R24	24°17	29°37	2°41	S 18
S 19	10 24 31	7°55'04	20°12	22°35	27°44	19°12	15°50	27°27	19°19	5°27	5°56	23°24	24°14	29°44	2°44	S 19
M20	10 28 27	8°55'00	3♋12	22° 5	28°55	19°33	15°53	27°34	19°17	5°25	5°58	23°23	24°11	29°50	2°48	M20
T 21	10 32 24	9°54'53	15°55	21°42	0♒ 7	19°53	15°57	27°42	19°14	5°24	5°59	23°21	24° 8	29°57	2°51	T 21
W22	10 36 20	10°54'44	28°24	21°25	1°18	20°13	16° 1	27°49	19°12	5°22	6° 1	23°19	24° 4	0♎ 4	2°55	W22
T 23	10 40 17	11°54'33	10♌41	21°15	2°29	20°33	16° 5	27°56	19°10	5°21	6° 3	23°18	24° 1	0°10	2°58	T 23
F 24	10 44 13	12°54'20	22°47	21°D12	3°40	20°52	16° 9	28° 4	19° 7	5°19	6° 4	23°16	23°58	0°17	3° 1	F 24
S 25	10 48 10	13°54'04	4♍46	21°14	4°52	21°11	16°14	28°11	19° 5	5°18	6° 6	23°15	23°55	0°23	3° 5	S 25
S 26	10 52 7	14°53'47	16°39	21°22	6° 3	21°29	16°18	28°19	19° 3	5°16	6° 7	23°15	23°52	0°30	3° 8	S 26
M27	10 56 3	15°53'27	28°28	21°36	7°14	21°47	16°23	28°26	19° 0	5°15	6° 9	23°D15	23°49	0°37	3°12	M27
T 28	11 0 0	16♓53'06	10♎16	21♒56	8♒26	22♏ 4	16♊28	28♓33	18♌58	5♎13	6♒10	23♍15	23♍45	0♎43	3♈15	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	14s55	3s42	1n47	7s20	2n20	21s38	1n44	13s58	1n38	22n31	0s12	3s52	2s12	15n34	0n46	0s49	1n38	25s50	7s 4	2n33	1n55	1n 7	3n 2	2n32
T 2	14 36	7 16	2 45	7 5	2 35	21 38	1 40	14 6	1 38	22 31	0 12	3 49	2 12	15 35	0 46	0 49	1 38	25 49	7 4	2 32	1 56	1 5	3 3	2 31
F 3	14 16	10 34	3 37	6 54	2 49	21 38	1 36	14 14	1 38	22 31	0 12	3 47	2 12	15 36	0 46	0 48	1 38	25 49	7 5	2 32	1 58	1 3	3 4	2 31
S 4	13 57	13 28	4 20	6 48	3 2	21 37	1 32	14 22	1 38	22 31	0 12	3 44	2 12	15 36	0 46	0 48	1 38	25 49	7 5	2 31	1 59	1 1	3 5	2 31
S 5	13 37	15 50	4 52	6 47	3 14	21 35	1 28	14 30	1 37	22 32	0 12	3 41	2 12	15 37	0 46	0 47	1 38	25 48	7 5	2 31	2 0	1 0	3 6	2 31
M 6	13 17	17 30	5 10	6 51	3 24	21 33	1 25	14 38	1 37	22 32	0 12	3 38	2 11	15 38	0 46	0 47	1 38	25 48	7 5	2 32	2 2	0 58	3 7	2 31
T 7	12 56	18 17	5 13	6 59	3 32	21 30	1 21	14 45	1 37	22 32	0 11	3 36	2 11	15 39	0 46	0 46	1 38	25 48	7 5	2 33	2 3	0 56	3 8	2 31
W 8	12 36	18 4	4 59	7 11	3 39	21 26	1 17	14 52	1 37	22 32	0 11	3 33	2 11	15 40	0 46	0 46	1 38	25 47	7 5	2 34	2 4	0 54	3 9	2 31
T 9	12 15	16 44	4 27	7 26	3 43	21 22	1 13	15 0	1 36	22 33	0 11	3 30	2 11	15 41	0 46	0 45	1 38	25 47	7 5	2 36	2 5	0 52	3 11	2 30
F 10	11 54	14 18	3 36	7 45	3 45	21 17	1 9	15 7	1 36	22 33	0 11	3 27	2 11	15 41	0 46	0 45	1 38	25 47	7 5	2 38	2 7	0 50	3 12	2 30
S 11	11 33	10 54	2 30	8 7	3 45	21 12	1 5	15 14	1 36	22 33	0 11	3 24	2 11	15 42	0 46	0 44	1 39	25 47	7 6	2 39	2 8	0 48	3 13	2 30
S 12	11 11	6 44	1 13	8 31	3 43	21 6	1 1	15 21	1 36	22 34	0 11	3 21	2 11	15 43	0 46	0 44	1 39	25 46	7 6	2 39	2 9	0 47	3 14	2 30
M13	10 50	2 7	0s 9	8 57	3 39	21 0	0 57	15 28	1 35	22 34	0 10	3 18	2 11	15 44	0 46	0 43	1 39	25 46	7 6	2 39	2 10	0 45	3 15	2 30
T 14	10 28	2n35	1 31	9 23	3 33	20 53	0 53	15 34	1 35	22 35	0 10	3 15	2 11	15 45	0 46	0 42	1 39	25 46	7 6	2 39	2 12	0 43	3 16	2 30
W15	10 7	7 3	2 45	9 50	3 25	20 45	0 49	15 41	1 35	22 35	0 10	3 13	2 11	15 45	0 46	0 42	1 39	25 45	7 6	2 39	2 13	0 41	3 18	2 30
T 16	9 45	11 0	3 47	10 16	3 15	20 37	0 45	15 47	1 34	22 35	0 10	3 10	2 11	15 46	0 46	0 41	1 39	25 45	7 6	2 38	2 14	0 39	3 19	2 30
F 17	9 22	14 13	4 34	10 43	3 4	20 28	0 42	15 54	1 34	22 36	0 10	3 7	2 11	15 47	0 46	0 41	1 39	25 45	7 7	2 38	2 15	0 37	3 20	2 29
S 18	9 0	16 33	5 4	11 8	2 52	20 18	0 38	16 0	1 33	22 36	0 10	3 4	2 11	15 48	0 46	0 40	1 39	25 45	7 7	2 38	2 17	0 36	3 21	2 29
S 19	8 38	17 55	5 16	11 31	2 40	20 8	0 34	16 6	1 33	22 37	0 9	3 1	2 11	15 48	0 46	0 40	1 39	25 44	7 7	2 38	2 18	0 34	3 22	2 29
M20	8 15	18 17	5 12	11 54	2 26	19 58	0 30	16 12	1 33	22 37	0 9	2 58	2 11	15 49	0 46	0 39	1 39	25 44	7 7	2 38	2 19	0 32	3 24	2 29
T 21	7 53	17 44	4 53	12 14	2 12	19 46	0 26	16 18	1 32	22 38	0 9	2 55	2 10	15 50	0 46	0 38	1 39	25 44	7 7	2 39	2 20	0 30	3 25	2 29
W22	7 30	16 19	4 20	12 33	1 58	19 35	0 23	16 24	1 32	22 39	0 9	2 52	2 10	15 51	0 46	0 38	1 39	25 44	7 7	2 40	2 22	0 28	3 26	2 29
T 23	7 7	14 10	3 35	12 50	1 44	19 22	0 19	16 29	1 31	22 39	0 9	2 49	2 10	15 51	0 46	0 37	1 39	25 43	7 8	2 40	2 23	0 26	3 27	2 29
F 24	6 44	11 26	2 41	13 5	1 29	19 10	0 15	16 35	1 31	22 40	0 9	2 46	2 10	15 52	0 46	0 36	1 39	25 43	7 8	2 41	2 24	0 24	3 29	2 29
S 25	6 21	8 14	1 41	13 17	1 15	18 56	0 11	16 40	1 30	22 40	0 9	2 43	2 10	15 53	0 46	0 36	1 39	25 43	7 8	2 41	2 26	0 23	3 30	2 28
S 26	5 58	4 44	0 37	13 28	1 1	18 42	0 8	16 46	1 29	22 41	0 8	2 40	2 10	15 54	0 46	0 35	1 39	25 43	7 8	2 42	2 27	0 21	3 31	2 28
M27	5 35	1 3	0n29	13 36	0 47	18 28	0 4	16 51	1 29	22 42	0 8	2 37	2 10	15 54	0 46	0 35	1 39	25 43	7 8	2 42	2 28	0 19	3 33	2 28
T 28	5s12	2s39	1n33	13s43	0n34	18s13	0n 1	16s56	1n28	22n42	0s 8	2s34	2s10	15n55	0n46	0s34	1n39	25s42	7s 8	2n41	2n29	0n17	3n34	2n28

Julian Day Number = 2192261.5, Delta T = 10m40s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'22, Lahiri = 13°57'23 Julian Calendar 1 Feb. 1290 == Greg. Calendar 8 Feb. 1290

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

MARCH 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	11 3 56	17♓52'43	22♎ 5	22♒20	9♒37	22♏21	16♊33	28♓41	18°R56	5°R12	6♒12	23♍15	23♍42	0♎50	3♈19	W 1
T 2	11 7 53	18°52'17	3♏57	22°49	10°49	22°38	16°38	28°48	18♌54	5♎10	6°13	23°16	23°39	0°57	3°22	T 2
F 3	11 11 49	19°51'50	15°56	23°22	12° 1	22°54	16°43	28°56	18°52	5° 8	6°14	23°16	23°36	1° 3	3°26	F 3
S 4	11 15 46	20°51'21	28° 6	24° 0	13°12	23°10	16°49	29° 3	18°49	5° 7	6°16	23°17	23°33	1°10	3°29	S 4
S 5	11 19 42	21°50'50	10♐31	24°42	14°24	23°25	16°55	29°11	18°47	5° 5	6°17	23°17	23°29	1°17	3°33	S 5
M 6	11 23 39	22°50'18	23°14	25°27	15°36	23°40	17° 0	29°18	18°45	5° 4	6°19	23°17	23°26	1°23	3°37	M 6
T 7	11 27 35	23°49'44	6♑20	26°16	16°47	23°54	17° 6	29°26	18°43	5° 2	6°20	23°17	23°23	1°30	3°40	T 7
W 8	11 31 32	24°49'08	19°51	27° 8	17°59	24° 8	17°13	29°34	18°41	5° 0	6°21	23°17	23°20	1°37	3°44	W 8
T 9	11 35 29	25°48'30	3♒48	28° 3	19°11	24°22	17°19	29°41	18°39	4°59	6°22	23°17	23°17	1°43	3°47	T 9
F 10	11 39 25	26°47'50	18°12	29° 1	20°23	24°34	17°26	29°49	18°37	4°57	6°24	23°17	23°14	1°50	3°51	F 10
S 11	11 43 22	27°47'08	2♓58	0♓ 2	21°35	24°46	17°32	29°56	18°36	4°56	6°25	23°18	23°10	1°57	3°55	S 11
S 12	11 47 18	28°46'25	18° 2	1° 5	22°47	24°58	17°39	0♈ 4	18°34	4°54	6°26	23°R18	23° 7	2° 3	3°58	S 12
M13	11 51 15	29°45'39	3♈14	2°11	23°59	25° 9	17°46	0°11	18°32	4°52	6°28	23°18	23° 4	2°10	4° 2	M13
T 14	11 55 11	0♈44'51	18°25	3°19	25°11	25°20	17°53	0°19	18°30	4°51	6°29	23°18	23° 1	2°16	4° 5	T 14
W15	11 59 8	1°44'01	3♉26	4°30	26°23	25°30	18° 0	0°26	18°29	4°49	6°30	23°17	22°58	2°23	4° 9	W15
T 16	12 3 4	2°43'09	18° 8	5°43	27°35	25°39	18° 8	0°34	18°27	4°47	6°31	23°16	22°54	2°30	4°13	T 16
F 17	12 7 1	3°42'15	2♊27	6°57	28°47	25°48	18°15	0°42	18°25	4°46	6°32	23°15	22°51	2°36	4°16	F 17
S 18	12 10 58	4°41'18	16°19	8°14	29°59	25°56	18°23	0°49	18°24	4°44	6°33	23°14	22°48	2°43	4°20	S 18
S 19	12 14 54	5°40'19	29°44	9°33	1♓11	26° 3	18°31	0°57	18°22	4°42	6°34	23°D13	22°45	2°50	4°24	S 19
M20	12 18 51	6°39'18	12♋44	10°54	2°23	26°10	18°38	1° 4	18°21	4°41	6°35	23°13	22°42	2°56	4°27	M20
T 21	12 22 47	7°38'14	25°23	12°16	3°36	26°16	18°46	1°12	18°19	4°39	6°37	23°14	22°39	3° 3	4°31	T 21
W22	12 26 44	8°37'08	7♌44	13°40	4°48	26°22	18°55	1°19	18°18	4°37	6°38	23°15	22°35	3°10	4°34	W22
T 23	12 30 40	9°35'59	19°51	15° 6	6° 0	26°27	19° 3	1°27	18°16	4°36	6°39	23°16	22°32	3°16	4°38	T 23
F 24	12 34 37	10°34'49	1♍48	16°34	7°12	26°31	19°11	1°34	18°15	4°34	6°40	23°18	22°29	3°23	4°42	F 24
S 25	12 38 33	11°33'36	13°40	18° 4	8°24	26°34	19°20	1°42	18°14	4°33	6°40	23°19	22°26	3°30	4°45	S 25
S 26	12 42 30	12°32'21	25°27	19°35	9°37	26°37	19°29	1°49	18°13	4°31	6°41	23°R19	22°23	3°36	4°49	S 26
M27	12 46 26	13°31'03	7♎15	21° 7	10°49	26°39	19°37	1°57	18°12	4°29	6°42	23°18	22°20	3°43	4°52	M27
T 28	12 50 23	14°29'44	19° 4	22°42	12° 1	26°41	19°46	2° 4	18°10	4°28	6°43	23°16	22°16	3°50	4°56	T 28
W29	12 54 20	15°28'23	0♏58	24°18	13°14	26°R41	19°55	2°12	18° 9	4°26	6°44	23°14	22°13	3°56	5° 0	W29
T 30	12 58 16	16°27'00	12°57	25°56	14°26	26°41	20° 5	2°19	18° 8	4°24	6°45	23°10	22°10	4° 3	5° 3	T 30
F 31	13 2 13	17♈25'35	25♏ 5	27♓35	15♓38	26♏41	20♊14	2♈27	18♌ 7	4♎23	6♒46	23♍ 6	22♍ 7	4♎ 9	5♈ 7	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	4s49	6s15	2n34	13s48	0n21	17s57	0s 3	17s 1	1n28	22n43	0s 8	2s31	2s10	15n56	0n46	0s33	1n39	25s42	7s 9	2n41	2n31	0n15	3n35	2n28
T 2	4 25	9 37	3 28	13 50	0 8	17 41	0 6	17 6	1 27	22 43	0 8	2 28	2 10	15 56	0 46	0 33	1 39	25 42	7 9	2 41	2 32	0 13	3 36	2 28
F 3	4 2	12 38	4 13	13 51	0s 4	17 25	0 10	17 11	1 26	22 44	0 8	2 25	2 10	15 57	0 46	0 32	1 39	25 42	7 9	2 41	2 33	0 12	3 38	2 28
S 4	3 38	15 8	4 48	13 49	0 16	17 8	0 13	17 15	1 26	22 45	0 8	2 22	2 10	15 58	0 46	0 31	1 39	25 42	7 9	2 41	2 34	0 10	3 39	2 28
S 5	3 15	16 59	5 10	13 46	0 27	16 50	0 16	17 20	1 25	22 46	0 7	2 19	2 10	15 58	0 46	0 31	1 39	25 41	7 9	2 41	2 36	0 8	3 40	2 28
M 6	2 51	18 4	5 18	13 41	0 38	16 32	0 20	17 24	1 24	22 46	0 7	2 16	2 10	15 59	0 46	0 30	1 39	25 41	7 10	2 41	2 37	0 6	3 42	2 28
T 7	2 28	18 13	5 10	13 34	0 49	16 14	0 23	17 29	1 23	22 47	0 7	2 13	2 10	15 59	0 46	0 29	1 39	25 41	7 10	2 41	2 38	0 4	3 43	2 28
W 8	2 4	17 22	4 45	13 26	0 59	15 55	0 26	17 33	1 22	22 48	0 7	2 10	2 10	16 0	0 46	0 29	1 39	25 41	7 10	2 41	2 39	0 2	3 44	2 27
T 9	1 40	15 27	4 2	13 16	1 8	15 35	0 29	17 37	1 22	22 48	0 7	2 7	2 10	16 1	0 45	0 28	1 39	25 41	7 10	2 40	2 41	0 0	3 46	2 27
F 10	1 17	12 32	3 3	13 4	1 17	15 15	0 32	17 41	1 21	22 49	0 7	2 4	2 10	16 1	0 45	0 27	1 39	25 41	7 10	2 40	2 42	0s 1	3 47	2 27
S 11	0 53	8 44	1 51	12 50	1 25	14 55	0 35	17 45	1 20	22 50	0 7	2 1	2 10	16 2	0 45	0 27	1 39	25 41	7 11	2 40	2 43	0 3	3 49	2 27
S 12	0 29	4 18	0 29	12 35	1 33	14 35	0 38	17 48	1 19	22 51	0 6	1 58	2 10	16 2	0 45	0 26	1 39	25 41	7 11	2 40	2 44	0 5	3 50	2 27
M13	0 6	0n27	0s55	12 18	1 41	14 13	0 41	17 52	1 18	22 51	0 6	1 55	2 10	16 3	0 45	0 25	1 39	25 40	7 11	2 40	2 46	0 7	3 51	2 27
T 14	0n18	5 10	2 15	12 0	1 48	13 52	0 44	17 55	1 17	22 52	0 6	1 52	2 10	16 3	0 45	0 25	1 39	25 40	7 11	2 40	2 47	0 9	3 53	2 27
W15	0 42	9 29	3 25	11 40	1 54	13 30	0 47	17 59	1 16	22 53	0 6	1 49	2 10	16 4	0 45	0 24	1 39	25 40	7 12	2 41	2 48	0 11	3 54	2 27
T 16	1 5	13 8	4 20	11 18	2 0	13 8	0 50	18 2	1 15	22 54	0 6	1 46	2 10	16 4	0 45	0 23	1 39	25 40	7 12	2 41	2 50	0 12	3 55	2 27
F 17	1 29	15 52	4 57	10 56	2 5	12 45	0 52	18 5	1 13	22 55	0 6	1 43	2 10	16 5	0 45	0 23	1 39	25 40	7 12	2 42	2 51	0 14	3 57	2 27
S 18	1 52	17 36	5 15	10 31	2 10	12 22	0 55	18 8	1 12	22 55	0 6	1 40	2 10	16 5	0 45	0 22	1 39	25 40	7 12	2 42	2 52	0 16	3 58	2 27
S 19	2 16	18 16	5 15	10 6	2 14	11 59	0 57	18 11	1 11	22 56	0 6	1 37	2 10	16 6	0 45	0 21	1 39	25 40	7 13	2 42	2 53	0 18	4 0	2 27
M20	2 39	17 57	4 59	9 38	2 18	11 35	1 0	18 14	1 10	22 57	0 5	1 34	2 10	16 6	0 45	0 21	1 39	25 40	7 13	2 42	2 55	0 20	4 1	2 27
T 21	3 2	16 44	4 29	9 10	2 22	11 12	1 2	18 17	1 9	22 58	0 5	1 31	2 10	16 7	0 45	0 20	1 39	25 40	7 13	2 42	2 56	0 22	4 2	2 27
W22	3 26	14 45	3 47	8 40	2 24	10 47	1 4	18 19	1 7	22 59	0 5	1 28	2 11	16 7	0 45	0 20	1 39	25 40	7 13	2 41	2 57	0 24	4 4	2 26
T 23	3 49	12 9	2 55	8 9	2 27	10 23	1 7	18 22	1 6	23 0	0 5	1 25	2 11	16 7	0 45	0 19	1 39	25 40	7 13	2 41	2 58	0 25	4 5	2 26
F 24	4 12	9 4	1 56	7 36	2 29	9 58	1 9	18 24	1 4	23 0	0 5	1 22	2 11	16 8	0 45	0 18	1 39	25 40	7 14	2 40	3 0	0 27	4 7	2 26
S 25	4 35	5 38	0 53	7 2	2 30	9 33	1 11	18 26	1 3	23 1	0 5	1 19	2 11	16 8	0 45	0 18	1 39	25 40	7 14	2 40	3 1	0 29	4 8	2 26
S 26	4 58	2 0	0n12	6 27	2 31	9 7	1 13	18 29	1 1	23 2	0 5	1 16	2 11	16 9	0 45	0 17	1 39	25 40	7 14	2 40	3 2	0 31	4 9	2 26
M27	5 21	1s43	1 16	5 50	2 31	8 42	1 15	18 31	1 0	23 3	0 5	1 13	2 11	16 9	0 45	0 16	1 39	25 40	7 14	2 40	3 3	0 33	4 11	2 26
T 28	5 44	5 22	2 18	5 13	2 31	8 16	1 17	18 32	0 58	23 4	0 4	1 10	2 11	16 9	0 45	0 16	1 39	25 40	7 15	2 41	3 5	0 35	4 12	2 26
W29	6 7	8 50	3 13	4 34	2 30	7 50	1 19	18 34	0 57	23 4	0 4	1 7	2 11	16 9	0 45	0 15	1 39	25 40	7 15	2 42	3 6	0 37	4 14	2 26
T 30	6 29	11 58	4 1	3 54	2 29	7 23	1 20	18 36	0 55	23 5	0 4	1 5	2 11	16 10	0 45	0 14	1 39	25 40	7 15	2 43	3 7	0 38	4 15	2 26
F 31	6n52	14s37	4n38	3s12	2s27	6s57	1s22	18s37	0n53	23n 6	0s 4	1s 2	2s11	16n10	0n45	0s14	1n39	25s40	7s15	2n45	3n 8	0s40	4n16	2n26

Julian Day Number = 2192289.5, Delta T = 10m39s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'26, Lahiri = 13°57'27 Julian Calendar 1 March 1290 == Greg. Calendar 8 March 1290

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

APRIL 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 6 9	18♈24'09	7♐23	29♓16	16♓51	26°R39	20♊23	2♈34	18°R 6	4°R21	6♒47	23°R 2	22♍ 4	4♎16	5♈10	S 1
S 2	13 10 6	19°22'40	19°53	0♈59	18° 3	26♏37	20°33	2°41	18♌ 6	4♎20	6°47	22♍59	22° 0	4°23	5°14	S 2
M 3	13 14 2	20°21'10	2♑39	2°43	19°15	26°34	20°42	2°49	18° 5	4°18	6°48	22°56	21°57	4°29	5°17	M 3
T 4	13 17 59	21°19'39	15°42	4°29	20°28	26°30	20°52	2°56	18° 4	4°17	6°49	22°D55	21°54	4°36	5°21	T 4
W 5	13 21 55	22°18'05	29° 6	6°16	21°40	26°26	21° 2	3° 3	18° 3	4°15	6°49	22°55	21°51	4°43	5°24	W 5
T 6	13 25 52	23°16'31	12♒53	8° 6	22°53	26°20	21°12	3°11	18° 3	4°13	6°50	22°56	21°48	4°49	5°28	T 6
F 7	13 29 49	24°14'54	27° 2	9°57	24° 5	26°14	21°22	3°18	18° 2	4°12	6°51	22°58	21°45	4°56	5°31	F 7
S 8	13 33 45	25°13'16	11♓33	11°49	25°18	26° 7	21°32	3°25	18° 1	4°10	6°51	22°59	21°41	5° 3	5°35	S 8
S 9	13 37 42	26°11'36	26°24	13°44	26°30	26° 0	21°42	3°32	18° 1	4° 9	6°52	22°R59	21°38	5° 9	5°38	S 9
M10	13 41 38	27° 9'55	11♈27	15°40	27°43	25°51	21°52	3°40	18° 0	4° 7	6°52	22°58	21°35	5°16	5°42	M10
T 11	13 45 35	28° 8'11	26°35	17°37	28°55	25°42	22° 3	3°47	18° 0	4° 6	6°53	22°55	21°32	5°23	5°45	T 11
W12	13 49 31	29° 6'27	11♉38	19°37	0♈ 8	25°32	22°13	3°54	18° 0	4° 4	6°53	22°51	21°29	5°29	5°49	W12
T 13	13 53 28	0♉ 4'40	26°28	21°37	1°21	25°21	22°24	4° 1	17°59	4° 3	6°54	22°46	21°25	5°36	5°52	T 13
F 14	13 57 24	1° 2'51	10♊55	23°40	2°33	25°10	22°34	4° 8	17°59	4° 2	6°54	22°40	21°22	5°43	5°55	F 14
S 15	14 1 21	2° 1'01	24°57	25°44	3°46	24°58	22°45	4°15	17°59	4° 0	6°55	22°35	21°19	5°49	5°59	S 15
S 16	14 5 18	2°59'08	8♋29	27°49	4°58	24°45	22°56	4°22	17°59	3°59	6°55	22°31	21°16	5°56	6° 2	S 16
M17	14 9 14	3°57'14	21°35	29°56	6°11	24°32	23° 7	4°29	17°59	3°57	6°56	22°28	21°13	6° 2	6° 5	M17
T 18	14 13 11	4°55'17	4♌15	2♉ 3	7°24	24°17	23°18	4°36	17°D59	3°56	6°56	22°D27	21°10	6° 9	6° 9	T 18
W19	14 17 7	5°53'19	16°35	4°12	8°36	24° 3	23°29	4°43	17°59	3°55	6°56	22°28	21° 6	6°16	6°12	W19
T 20	14 21 4	6°51'18	28°40	6°21	9°49	23°47	23°40	4°50	17°59	3°53	6°57	22°29	21° 3	6°22	6°15	T 20
F 21	14 25 0	7°49'16	10♍34	8°32	11° 2	23°31	23°52	4°56	17°59	3°52	6°57	22°31	21° 0	6°29	6°18	F 21
S 22	14 28 57	8°47'12	22°22	10°42	12°14	23°15	24° 3	5° 3	17°59	3°51	6°57	22°R31	20°57	6°36	6°22	S 22
S 23	14 32 53	9°45'06	4♎ 9	12°53	13°27	22°57	24°14	5°10	17°59	3°49	6°57	22°30	20°54	6°42	6°25	S 23
M24	14 36 50	10°42'58	15°57	15° 3	14°40	22°40	24°26	5°16	18° 0	3°48	6°57	22°28	20°51	6°49	6°28	M24
T 25	14 40 47	11°40'49	27°51	17°13	15°52	22°22	24°37	5°23	18° 0	3°47	6°58	22°23	20°47	6°56	6°31	T 25
W26	14 44 43	12°38'38	9♏53	19°22	17° 5	22° 3	24°49	5°30	18° 0	3°46	6°58	22°16	20°44	7° 2	6°34	W26
T 27	14 48 40	13°36'26	22° 4	21°30	18°18	21°44	25° 1	5°36	18° 1	3°44	6°58	22° 7	20°41	7° 9	6°37	T 27
F 28	14 52 36	14°34'12	4♐25	23°37	19°30	21°25	25°12	5°43	18° 1	3°43	6°58	21°58	20°38	7°16	6°40	F 28
S 29	14 56 33	15°31'57	16°57	25°43	20°43	21° 5	25°24	5°49	18° 2	3°42	6°58	21°48	20°35	7°22	6°43	S 29
S 30	15 0 29	16♉29'41	29♐40	27♉46	21♈56	20♏45	25♊36	5♈56	18♌ 3	3♎41	6♒58	21♍40	20♍31	7♎29	6♈46	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n14	16s39	5n 3	2s30	2s24	6s30	1s24	18s39	0n51	23n 7	0s 4	0s59	2s11	16n10	0n45	0s13	1n39	25s40	7s16	2n46	3n10	0s42	4n18	2n26
S 2	7 37	17 56	5 14	1 46	2 22	6 3	1 25	18 40	0 50	23 8	0 4	0 56	2 11	16 11	0 45	0 12	1 39	25 40	7 16	2 48	3 11	0 44	4 19	2 26
M 3	7 59	18 20	5 10	1 2	2 18	5 36	1 27	18 41	0 48	23 8	0 4	0 53	2 11	16 11	0 45	0 12	1 39	25 40	7 16	2 49	3 12	0 46	4 20	2 26
T 4	8 21	17 48	4 50	0 16	2 14	5 8	1 28	18 42	0 46	23 9	0 4	0 50	2 11	16 11	0 45	0 11	1 39	25 40	7 16	2 49	3 13	0 48	4 22	2 26
W 5	8 43	16 16	4 14	0n31	2 10	4 41	1 29	18 43	0 44	23 10	0 3	0 47	2 11	16 11	0 45	0 11	1 39	25 40	7 17	2 49	3 15	0 50	4 23	2 26
T 6	9 5	13 46	3 22	1 18	2 5	4 13	1 31	18 44	0 42	23 11	0 3	0 45	2 12	16 11	0 45	0 10	1 39	25 40	7 17	2 49	3 16	0 51	4 25	2 26
F 7	9 26	10 24	2 18	2 7	2 0	3 46	1 32	18 45	0 39	23 12	0 3	0 42	2 12	16 11	0 45	0 9	1 39	25 40	7 17	2 48	3 17	0 53	4 26	2 26
S 8	9 48	6 18	1 2	2 57	1 54	3 18	1 33	18 45	0 37	23 12	0 3	0 39	2 12	16 12	0 45	0 9	1 39	25 40	7 18	2 48	3 18	0 55	4 27	2 26
S 9	10 9	1 43	0s19	3 47	1 47	2 50	1 34	18 45	0 35	23 13	0 3	0 36	2 12	16 12	0 45	0 8	1 39	25 40	7 18	2 48	3 20	0 57	4 29	2 26
M10	10 30	3n 1	1 39	4 39	1 40	2 22	1 35	18 46	0 33	23 14	0 3	0 33	2 12	16 12	0 45	0 8	1 39	25 41	7 18	2 48	3 21	0 59	4 30	2 26
T 11	10 51	7 36	2 53	5 31	1 33	1 53	1 36	18 46	0 31	23 15	0 3	0 31	2 12	16 12	0 45	0 7	1 39	25 41	7 18	2 49	3 22	1 1	4 31	2 26
W12	11 12	11 40	3 55	6 23	1 25	1 25	1 36	18 46	0 28	23 15	0 3	0 28	2 12	16 12	0 44	0 6	1 39	25 41	7 19	2 51	3 23	1 3	4 33	2 26
T 13	11 32	14 54	4 39	7 16	1 17	0 57	1 37	18 45	0 26	23 16	0 3	0 25	2 12	16 12	0 44	0 6	1 39	25 41	7 19	2 53	3 25	1 4	4 34	2 26
F 14	11 53	17 8	5 5	8 10	1 8	0 28	1 38	18 45	0 23	23 17	0 2	0 23	2 12	16 12	0 44	0 5	1 39	25 41	7 19	2 55	3 26	1 6	4 35	2 26
S 15	12 13	18 15	5 11	9 4	0 59	0n 0	1 38	18 45	0 21	23 17	0 2	0 20	2 13	16 12	0 44	0 5	1 39	25 41	7 19	2 57	3 27	1 8	4 37	2 26
S 16	12 33	18 17	4 59	9 58	0 50	0 29	1 39	18 44	0 18	23 18	0 2	0 17	2 13	16 12	0 44	0 4	1 39	25 41	7 20	2 59	3 29	1 10	4 38	2 26
M17	12 53	17 19	4 32	10 52	0 40	0 57	1 39	18 43	0 15	23 19	0 2	0 15	2 13	16 12	0 44	0 4	1 39	25 41	7 20	3 0	3 30	1 12	4 39	2 26
T 18	13 13	15 30	3 52	11 46	0 30	1 26	1 39	18 42	0 13	23 20	0 2	0 12	2 13	16 12	0 44	0 3	1 39	25 42	7 20	3 0	3 31	1 14	4 41	2 26
W19	13 32	13 1	3 3	12 40	0 19	1 54	1 39	18 41	0 10	23 20	0 2	0 9	2 13	16 12	0 44	0 3	1 39	25 42	7 20	3 0	3 32	1 15	4 42	2 26
T 20	13 51	10 1	2 6	13 33	0 9	2 23	1 40	18 40	0 7	23 21	0 2	0 7	2 13	16 12	0 44	0 2	1 39	25 42	7 21	3 0	3 34	1 17	4 43	2 26
F 21	14 10	6 38	1 4	14 25	0n 2	2 51	1 40	18 39	0 5	23 21	0 2	0 4	2 13	16 12	0 44	0 2	1 39	25 42	7 21	2 59	3 35	1 19	4 45	2 26
S 22	14 29	3 2	0 1	15 17	0 12	3 19	1 40	18 38	0 2	23 22	0 2	0 2	2 13	16 12	0 44	0 1	1 39	25 42	7 21	2 59	3 36	1 21	4 46	2 26
S 23	14 47	0s42	1n 3	16 7	0 23	3 48	1 40	18 36	0s 1	23 23	0 1	0n 1	2 14	16 12	0 44	0 1	1 39	25 43	7 22	2 59	3 37	1 23	4 47	2 26
M24	15 6	4 24	2 3	16 56	0 33	4 16	1 39	18 34	0 4	23 23	0 1	0 4	2 14	16 12	0 44	0 0	1 39	25 43	7 22	3 0	3 39	1 25	4 48	2 26
T 25	15 24	7 58	2 59	17 44	0 43	4 44	1 39	18 33	0 7	23 24	0 1	0 6	2 14	16 11	0 44	0n 0	1 39	25 43	7 22	3 2	3 40	1 27	4 50	2 26
W26	15 41	11 14	3 47	18 30	0 53	5 13	1 39	18 31	0 10	23 24	0 1	0 8	2 14	16 11	0 44	0 1	1 39	25 43	7 22	3 5	3 41	1 28	4 51	2 26
T 27	15 59	14 4	4 25	19 13	1 3	5 41	1 39	18 29	0 13	23 25	0 1	0 11	2 14	16 11	0 44	0 1	1 39	25 43	7 23	3 8	3 42	1 30	4 52	2 26
F 28	16 16	16 19	4 52	19 55	1 13	6 9	1 38	18 26	0 16	23 26	0 1	0 13	2 14	16 11	0 44	0 2	1 39	25 44	7 23	3 12	3 44	1 32	4 53	2 26
S 29	16 33	17 50	5 5	20 34	1 21	6 37	1 38	18 24	0 19	23 26	0 1	0 16	2 14	16 11	0 44	0 2	1 39	25 44	7 23	3 16	3 45	1 34	4 54	2 26
S 30	16n50	18s29	5n 3	21n12	1n30	7n 4	1s37	18s22	0s22	23n27	0s 1	0n18	2s15	16n10	0n44	0n 2	1n39	25s44	7s23	3n19	3n46	1s36	4n56	2n26

Julian Day Number = 2192320.5, Delta T = 10m39s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'30, Lahiri = 13°57'31 Julian Calendar 1 Apr. 1290 == Greg. Calendar 8 Apr. 1290

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

MAY 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	15 4 26	17♉27'23	12♋37	29♉48	23♈ 9	20°R25	25♊48	6♈ 2	18♌ 3	3°R40	6°R58	21°R33	20♍28	7♎36	6♈49	M 1
T 2	15 8 22	18°25'05	25°47	1♊47	24°21	20♏ 4	26° 0	6° 8	18° 4	3♎39	6♒58	21♍28	20°25	7°42	6°52	T 2
W 3	15 12 19	19°22'45	9♒12	3°44	25°34	19°43	26°12	6°14	18° 5	3°38	6°58	21°26	20°22	7°49	6°55	W 3
T 4	15 16 16	20°20'24	22°53	5°39	26°47	19°23	26°24	6°21	18° 6	3°37	6°58	21°D26	20°19	7°56	6°58	T 4
F 5	15 20 12	21°18'02	6♓52	7°31	28° 0	19° 2	26°36	6°27	18° 6	3°36	6°58	21°26	20°16	8° 2	7° 0	F 5
S 6	15 24 9	22°15'39	21° 7	9°20	29°13	18°40	26°49	6°33	18° 7	3°35	6°58	21°R27	20°12	8° 9	7° 3	S 6
S 7	15 28 5	23°13'16	5♈39	11° 6	0♉25	18°19	27° 1	6°39	18° 8	3°34	6°58	21°26	20° 9	8°15	7° 6	S 7
M 8	15 32 2	24°10'51	20°23	12°49	1°38	17°58	27°13	6°45	18° 9	3°33	6°57	21°23	20° 6	8°22	7° 9	M 8
T 9	15 35 58	25° 8'25	5♉13	14°30	2°51	17°38	27°26	6°51	18°10	3°32	6°57	21°18	20° 3	8°29	7°11	T 9
W10	15 39 55	26° 5'58	20° 3	16° 7	4° 4	17°17	27°38	6°57	18°12	3°31	6°57	21°10	20° 0	8°35	7°14	W10
T 11	15 43 51	27° 3'31	4♊43	17°42	5°17	16°56	27°51	7° 2	18°13	3°30	6°57	21° 0	19°57	8°42	7°17	T 11
F 12	15 47 48	28° 1'02	19° 7	19°13	6°30	16°36	28° 3	7° 8	18°14	3°30	6°56	20°50	19°53	8°49	7°19	F 12
S 13	15 51 45	28°58'32	3♋ 7	20°42	7°43	16°16	28°16	7°14	18°15	3°29	6°56	20°40	19°50	8°55	7°22	S 13
S 14	15 55 41	29°56'00	16°42	22° 7	8°56	15°56	28°29	7°19	18°17	3°28	6°56	20°32	19°47	9° 2	7°24	S 14
M15	15 59 38	0♊53'28	29°50	23°29	10° 8	15°37	28°41	7°25	18°18	3°27	6°55	20°26	19°44	9° 9	7°27	M15
T 16	16 3 34	1°50'54	12♌33	24°48	11°21	15°18	28°54	7°30	18°20	3°27	6°55	20°22	19°41	9°15	7°29	T 16
W17	16 7 31	2°48'19	24°55	26° 4	12°34	14°59	29° 7	7°36	18°21	3°26	6°55	20°21	19°37	9°22	7°32	W17
T 18	16 11 27	3°45'43	7♍ 0	27°16	13°47	14°41	29°20	7°41	18°23	3°25	6°54	20°D21	19°34	9°29	7°34	T 18
F 19	16 15 24	4°43'05	18°54	28°25	15° 0	14°24	29°32	7°46	18°24	3°25	6°54	20°R21	19°31	9°35	7°36	F 19
S 20	16 19 20	5°40'27	0♎43	29°30	16°13	14° 7	29°45	7°52	18°26	3°24	6°53	20°20	19°28	9°42	7°39	S 20
S 21	16 23 17	6°37'47	12°31	0♋33	17°26	13°50	29°58	7°57	18°27	3°24	6°53	20°18	19°25	9°49	7°41	S 21
M22	16 27 13	7°35'06	24°23	1°31	18°39	13°35	0♋11	8° 2	18°29	3°23	6°52	20°14	19°22	9°55	7°43	M22
T 23	16 31 10	8°32'24	6♏23	2°26	19°52	13°20	0°24	8° 7	18°31	3°23	6°52	20° 7	19°18	10° 2	7°45	T 23
W24	16 35 7	9°29'42	18°34	3°17	21° 5	13° 5	0°37	8°12	18°33	3°22	6°51	19°58	19°15	10° 9	7°47	W24
T 25	16 39 3	10°26'59	0♐57	4° 5	22°18	12°51	0°50	8°16	18°35	3°22	6°50	19°46	19°12	10°15	7°49	T 25
F 26	16 43 0	11°24'15	13°34	4°48	23°31	12°38	1° 3	8°21	18°37	3°21	6°50	19°34	19° 9	10°22	7°51	F 26
S 27	16 46 56	12°21'30	26°25	5°28	24°44	12°26	1°17	8°26	18°39	3°21	6°49	19°21	19° 6	10°29	7°53	S 27
S 28	16 50 53	13°18'45	9♑28	6° 3	25°57	12°15	1°30	8°31	18°41	3°21	6°48	19°10	19° 3	10°35	7°55	S 28
M29	16 54 49	14°15'59	22°43	6°34	27°10	12° 4	1°43	8°35	18°43	3°20	6°48	19° 0	18°59	10°42	7°57	M29
T 30	16 58 46	15°13'13	6♒ 9	7° 1	28°23	11°54	1°56	8°40	18°45	3°20	6°47	18°54	18°56	10°49	7°59	T 30
W31	17 2 43	16♊10'27	19♒46	7♋24	29♉37	11♏45	2♋ 9	8♈44	18♌47	3♎20	6♒46	18♍50	18♍53	10♎55	8♈ 1	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	17n 6	18s11	4n46	21n46	1n37	7n32	1s36	18s19	0s25	23n27	0s 1	0n21	2s15	16n10	0n44	0n 3	1n39	25s44	7s24	3n22	3n47	1s38	4n57	2n26
T 2	17 22	16 55	4 13	22 18	1 45	8 0	1 36	18 17	0 28	23 28	0 1	0 23	2 15	16 10	0 44	0 3	1 39	25 45	7 24	3 24	3 49	1 40	4 58	2 26
W 3	17 38	14 42	3 26	22 48	1 51	8 27	1 35	18 14	0 31	23 28	0 0	0 25	2 15	16 10	0 44	0 4	1 39	25 45	7 24	3 25	3 50	1 41	4 59	2 26
T 4	17 54	11 38	2 27	23 15	1 57	8 54	1 34	18 12	0 35	23 28	0 0	0 28	2 15	16 9	0 44	0 4	1 39	25 45	7 24	3 25	3 51	1 43	5 0	2 26
F 5	18 9	7 50	1 17	23 39	2 2	9 21	1 33	18 9	0 38	23 29	0 0	0 30	2 15	16 9	0 44	0 4	1 39	25 46	7 25	3 24	3 52	1 45	5 1	2 26
S 6	18 24	3 30	0 2	24 1	2 6	9 48	1 32	18 6	0 41	23 29	0 0	0 32	2 16	16 9	0 44	0 5	1 39	25 46	7 25	3 24	3 54	1 47	5 3	2 26
S 7	18 39	1n 6	1s15	24 20	2 10	10 14	1 31	18 3	0 44	23 30	0 0	0 34	2 16	16 8	0 44	0 5	1 39	25 46	7 25	3 25	3 55	1 49	5 4	2 26
M 8	18 53	5 42	2 28	24 37	2 12	10 41	1 30	18 0	0 47	23 30	0n 0	0 36	2 16	16 8	0 44	0 5	1 38	25 46	7 26	3 26	3 56	1 51	5 5	2 26
T 9	19 7	9 59	3 31	24 51	2 14	11 7	1 29	17 57	0 50	23 30	0 0	0 39	2 16	16 8	0 43	0 6	1 38	25 47	7 26	3 28	3 57	1 53	5 6	2 26
W10	19 21	13 38	4 20	25 3	2 15	11 33	1 28	17 54	0 53	23 31	0 0	0 41	2 16	16 7	0 43	0 6	1 38	25 47	7 26	3 31	3 59	1 54	5 7	2 26
T 11	19 34	16 23	4 51	25 13	2 16	11 58	1 26	17 51	0 56	23 31	0 0	0 43	2 17	16 7	0 43	0 6	1 38	25 47	7 26	3 35	4 0	1 56	5 8	2 26
F 12	19 48	18 3	5 3	25 20	2 15	12 24	1 25	17 48	0 59	23 31	0 0	0 45	2 17	16 7	0 43	0 7	1 38	25 48	7 27	3 39	4 1	1 58	5 9	2 26
S 13	20 0	18 33	4 56	25 26	2 14	12 49	1 24	17 46	1 2	23 32	0 1	0 47	2 17	16 6	0 43	0 7	1 38	25 48	7 27	3 43	4 2	2 0	5 10	2 26
S 14	20 13	17 58	4 33	25 29	2 12	13 14	1 22	17 43	1 5	23 32	0 1	0 49	2 17	16 6	0 43	0 7	1 38	25 48	7 27	3 46	4 4	2 2	5 11	2 26
M15	20 25	16 26	3 55	25 31	2 9	13 38	1 21	17 40	1 8	23 32	0 1	0 51	2 17	16 5	0 43	0 7	1 38	25 49	7 27	3 48	4 5	2 4	5 12	2 26
T 16	20 37	14 7	3 7	25 31	2 5	14 2	1 19	17 37	1 11	23 32	0 1	0 53	2 18	16 5	0 43	0 8	1 38	25 49	7 28	3 50	4 6	2 6	5 13	2 26
W17	20 48	11 12	2 11	25 29	2 1	14 26	1 18	17 34	1 14	23 33	0 1	0 55	2 18	16 4	0 43	0 8	1 38	25 49	7 28	3 50	4 7	2 7	5 14	2 26
T 18	20 59	7 53	1 10	25 26	1 56	14 50	1 16	17 32	1 17	23 33	0 1	0 57	2 18	16 4	0 43	0 8	1 38	25 50	7 28	3 50	4 9	2 9	5 15	2 26
F 19	21 10	4 17	0 8	25 21	1 50	15 13	1 14	17 29	1 20	23 33	0 1	0 59	2 18	16 3	0 43	0 8	1 38	25 50	7 28	3 50	4 10	2 11	5 16	2 26
S 20	21 20	0 33	0n55	25 15	1 43	15 36	1 13	17 27	1 22	23 33	0 1	1 1	2 18	16 3	0 43	0 8	1 38	25 51	7 29	3 50	4 11	2 13	5 17	2 27
S 21	21 30	3s12	1 55	25 7	1 35	15 58	1 11	17 24	1 25	23 33	0 1	1 2	2 19	16 2	0 43	0 9	1 38	25 51	7 29	3 51	4 12	2 15	5 18	2 27
M22	21 39	6 51	2 50	24 58	1 27	16 20	1 9	17 22	1 28	23 33	0 1	1 4	2 19	16 1	0 43	0 9	1 38	25 51	7 29	3 53	4 14	2 17	5 19	2 27
T 23	21 49	10 16	3 38	24 48	1 18	16 42	1 7	17 20	1 30	23 33	0 2	1 6	2 19	16 1	0 43	0 9	1 38	25 52	7 29	3 56	4 15	2 19	5 20	2 27
W24	21 57	13 17	4 17	24 37	1 8	17 3	1 5	17 18	1 33	23 33	0 2	1 8	2 19	16 0	0 43	0 9	1 38	25 52	7 30	3 59	4 16	2 20	5 21	2 27
T 25	22 6	15 47	4 45	24 25	0 58	17 24	1 3	17 16	1 35	23 33	0 2	1 9	2 19	16 0	0 43	0 9	1 38	25 52	7 30	4 4	4 17	2 22	5 22	2 27
F 26	22 14	17 34	4 59	24 13	0 46	17 44	1 1	17 14	1 38	23 33	0 2	1 11	2 20	15 59	0 43	0 9	1 38	25 53	7 30	4 9	4 19	2 24	5 22	2 27
S 27	22 22	18 31	4 58	23 59	0 34	18 4	0 59	17 13	1 40	23 33	0 2	1 13	2 20	15 58	0 43	0 9	1 38	25 53	7 30	4 14	4 20	2 26	5 23	2 27
S 28	22 29	18 30	4 42	23 45	0 22	18 24	0 57	17 12	1 42	23 33	0 2	1 14	2 20	15 58	0 43	0 10	1 38	25 54	7 31	4 18	4 21	2 28	5 24	2 27
M29	22 36	17 29	4 11	23 30	0 8	18 43	0 55	17 10	1 45	23 33	0 2	1 16	2 20	15 57	0 43	0 10	1 38	25 54	7 31	4 22	4 22	2 30	5 25	2 27
T 30	22 42	15 29	3 25	23 15	0s 5	19 1	0 53	17 9	1 47	23 33	0 2	1 18	2 21	15 56	0 43	0 10	1 38	25 54	7 31	4 25	4 24	2 32	5 26	2 27
W31	22n48	12s37	2n27	23n 0	0s20	19n19	0s51	17s 9	1s49	23n33	0n 2	1n19	2s21	15n56	0n43	0n10	1n38	25s55	7s31	4n26	4n25	2s33	5n26	2n27

Julian Day Number = 2192350.5, Delta T = 10m39s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'35, Lahiri = 13°57'35 Julian Calendar 1 May 1290 == Greg. Calendar 8 May 1290

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

JUNE 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 6 39	17♊ 7'40	3♓33	7♋42	0♊50	11°R36	2♋23	8♈48	18♌49	3°R20	6°R46	18°R48	18♍50	11♎ 2	8♈ 2	T 1
F 2	17 10 36	18° 4'53	17°29	7°56	2° 3	11♏28	2°36	8°52	18°51	3♎19	6♒45	18♍48	18°47	11° 9	8° 4	F 2
S 3	17 14 32	19° 2'06	1♈36	8° 5	3°16	11°22	2°49	8°57	18°53	3°19	6°44	18°48	18°43	11°15	8° 6	S 3
S 4	17 18 29	19°59'19	15°52	8°R 9	4°29	11°16	3° 3	9° 1	18°56	3°19	6°43	18°46	18°40	11°22	8° 7	S 4
M 5	17 22 25	20°56'32	0♉15	8° 9	5°42	11°11	3°16	9° 5	18°58	3°19	6°42	18°43	18°37	11°28	8° 9	M 5
T 6	17 26 22	21°53'45	14°42	8° 5	6°56	11° 6	3°29	9° 8	19° 0	3°19	6°41	18°37	18°34	11°35	8°10	T 6
W 7	17 30 18	22°50'58	29° 8	7°56	8° 9	11° 3	3°43	9°12	19° 3	3°D19	6°41	18°28	18°31	11°42	8°12	W 7
T 8	17 34 15	23°48'10	13♊27	7°42	9°22	11° 0	3°56	9°16	19° 5	3°19	6°40	18°17	18°28	11°48	8°13	T 8
F 9	17 38 12	24°45'23	27°33	7°25	10°35	10°58	4° 9	9°20	19° 8	3°19	6°39	18° 5	18°24	11°55	8°15	F 9
S 10	17 42 8	25°42'35	11♋21	7° 4	11°49	10°57	4°23	9°23	19°10	3°19	6°38	17°54	18°21	12° 2	8°16	S 10
S 11	17 46 5	26°39'47	24°47	6°39	13° 2	10°D57	4°36	9°27	19°13	3°19	6°37	17°44	18°18	12° 8	8°17	S 11
M12	17 50 1	27°36'59	7♌51	6°11	14°15	10°58	4°50	9°30	19°16	3°19	6°36	17°37	18°15	12°15	8°18	M12
T 13	17 53 58	28°34'10	20°32	5°40	15°29	11° 0	5° 3	9°33	19°18	3°20	6°35	17°32	18°12	12°22	8°20	T 13
W14	17 57 54	29°31'21	2♍53	5° 6	16°42	11° 2	5°17	9°36	19°21	3°20	6°34	17°29	18° 9	12°28	8°21	W14
T 15	18 1 51	0♋28'32	14°59	4°31	17°55	11° 5	5°30	9°40	19°24	3°20	6°33	17°D28	18° 5	12°35	8°22	T 15
F 16	18 5 47	1°25'42	26°55	3°55	19° 9	11° 9	5°44	9°43	19°27	3°20	6°32	17°R28	18° 2	12°42	8°23	F 16
S 17	18 9 44	2°22'53	8♎44	3°18	20°22	11°14	5°57	9°45	19°29	3°21	6°31	17°28	17°59	12°48	8°24	S 17
S 18	18 13 41	3°20'02	20°34	2°41	21°36	11°20	6°11	9°48	19°32	3°21	6°30	17°27	17°56	12°55	8°25	S 18
M19	18 17 37	4°17'12	2♏29	2° 4	22°49	11°26	6°24	9°51	19°35	3°21	6°29	17°24	17°53	13° 2	8°26	M19
T 20	18 21 34	5°14'22	14°33	1°29	24° 2	11°33	6°38	9°54	19°38	3°22	6°27	17°18	17°49	13° 8	8°26	T 20
W21	18 25 30	6°11'32	26°51	0°56	25°16	11°41	6°51	9°56	19°41	3°22	6°26	17°10	17°46	13°15	8°27	W21
T 22	18 29 27	7° 8'42	9♐26	0°25	26°29	11°50	7° 4	9°59	19°44	3°23	6°25	17° 0	17°43	13°22	8°28	T 22
F 23	18 33 23	8° 5'51	22°17	29♊57	27°43	11°59	7°18	10° 1	19°47	3°23	6°24	16°49	17°40	13°28	8°28	F 23
S 24	18 37 20	9° 3'02	5♑27	29°33	28°56	12° 9	7°31	10° 3	19°50	3°24	6°23	16°38	17°37	13°35	8°29	S 24
S 25	18 41 16	10° 0'12	18°52	29°13	0♋10	12°20	7°45	10° 5	19°53	3°24	6°22	16°28	17°34	13°42	8°30	S 25
M26	18 45 13	10°57'23	2♒30	28°57	1°23	12°31	7°58	10° 7	19°56	3°25	6°20	16°19	17°30	13°48	8°30	M26
T 27	18 49 10	11°54'34	16°20	28°46	2°37	12°44	8°12	10° 9	19°59	3°25	6°19	16°14	17°27	13°55	8°31	T 27
W28	18 53 6	12°51'45	0♓17	28°39	3°51	12°56	8°25	10°11	20° 2	3°26	6°18	16°10	17°24	14° 2	8°31	W28
T 29	18 57 3	13°48'57	14°20	28°D38	5° 4	13°10	8°39	10°13	20° 5	3°27	6°17	16°D 9	17°21	14° 8	8°31	T 29
F 30	19 0 59	14♋46'10	28♓26	28♊43	6♋18	13♏24	8♋52	10♈15	20♌ 9	3♎27	6♒16	16♍10	17♍18	14♎15	8♈32	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n54	9s 0	1n20	22n44	0s35	19n37	0s48	17s 8	1s51	23n33	0n 2	1n21	2s21	15n55	0n43	0n10	1n37	25s55	7s32	4n27	4n26	2s35	5n27	2n27
F 2	23 0	4 51	0 7	22 28	0 50	19 54	0 46	17 8	1 53	23 33	0 3	1 22	2 21	15 54	0 43	0 10	1 37	25 56	7 32	4 27	4 27	2 37	5 28	2 27
S 3	23 4	0 23	1s 7	22 11	1 6	20 10	0 44	17 7	1 55	23 33	0 3	1 23	2 22	15 54	0 43	0 10	1 37	25 56	7 32	4 27	4 29	2 39	5 29	2 27
S 4	23 9	4n 9	2 18	21 55	1 22	20 26	0 42	17 7	1 57	23 32	0 3	1 25	2 22	15 53	0 43	0 10	1 37	25 57	7 32	4 28	4 30	2 41	5 29	2 27
M 5	23 13	8 28	3 20	21 39	1 38	20 41	0 39	17 7	1 59	23 32	0 3	1 26	2 22	15 52	0 43	0 10	1 37	25 57	7 32	4 29	4 31	2 43	5 30	2 27
T 6	23 17	12 19	4 10	21 23	1 54	20 56	0 37	17 8	2 1	23 32	0 3	1 27	2 22	15 51	0 43	0 10	1 37	25 57	7 33	4 31	4 32	2 45	5 31	2 27
W 7	23 20	15 25	4 44	21 7	2 10	21 11	0 35	17 8	2 3	23 32	0 3	1 29	2 23	15 50	0 43	0 10	1 37	25 58	7 33	4 35	4 34	2 46	5 31	2 28
T 8	23 23	17 32	5 0	20 52	2 27	21 24	0 32	17 9	2 4	23 31	0 3	1 30	2 23	15 50	0 43	0 10	1 37	25 58	7 33	4 39	4 35	2 48	5 32	2 28
F 9	23 25	18 34	4 57	20 37	2 43	21 37	0 30	17 10	2 6	23 31	0 3	1 31	2 23	15 49	0 42	0 10	1 37	25 59	7 33	4 44	4 36	2 50	5 32	2 28
S 10	23 28	18 27	4 36	20 22	2 58	21 50	0 28	17 11	2 8	23 31	0 3	1 32	2 23	15 48	0 42	0 10	1 37	25 59	7 33	4 48	4 37	2 52	5 33	2 28
S 11	23 29	17 18	4 1	20 9	3 13	22 2	0 25	17 13	2 9	23 30	0 3	1 33	2 24	15 47	0 42	0 9	1 37	26 0	7 34	4 52	4 39	2 54	5 34	2 28
M12	23 30	15 15	3 14	19 56	3 28	22 13	0 23	17 15	2 11	23 30	0 3	1 34	2 24	15 46	0 42	0 9	1 37	26 0	7 34	4 55	4 40	2 56	5 34	2 28
T 13	23 31	12 31	2 18	19 44	3 41	22 24	0 20	17 16	2 12	23 29	0 4	1 35	2 24	15 45	0 42	0 9	1 37	26 1	7 34	4 57	4 41	2 58	5 35	2 28
W14	23 32	9 17	1 17	19 32	3 54	22 34	0 18	17 19	2 14	23 29	0 4	1 36	2 24	15 45	0 42	0 9	1 37	26 1	7 34	4 58	4 42	2 59	5 35	2 28
T 15	23 32	5 44	0 13	19 22	4 5	22 43	0 16	17 21	2 15	23 29	0 4	1 37	2 25	15 44	0 42	0 9	1 37	26 2	7 34	4 58	4 44	3 1	5 36	2 28
F 16	23 31	2 0	0n50	19 13	4 15	22 52	0 13	17 23	2 16	23 28	0 4	1 38	2 25	15 43	0 42	0 9	1 37	26 2	7 35	4 58	4 45	3 3	5 36	2 28
S 17	23 30	1s47	1 51	19 5	4 24	23 0	0 11	17 26	2 18	23 28	0 4	1 39	2 25	15 42	0 42	0 9	1 37	26 2	7 35	4 58	4 46	3 5	5 37	2 28
S 18	23 29	5 30	2 46	18 58	4 32	23 7	0 8	17 29	2 19	23 27	0 4	1 40	2 26	15 41	0 42	0 8	1 37	26 3	7 35	4 59	4 47	3 7	5 37	2 28
M19	23 28	9 1	3 35	18 53	4 38	23 14	0 6	17 32	2 20	23 27	0 4	1 41	2 26	15 40	0 42	0 8	1 37	26 3	7 35	5 0	4 49	3 9	5 37	2 28
T 20	23 25	12 12	4 15	18 49	4 42	23 20	0 3	17 35	2 21	23 26	0 4	1 42	2 26	15 39	0 42	0 8	1 37	26 4	7 35	5 2	4 50	3 11	5 38	2 28
W21	23 23	14 55	4 44	18 47	4 45	23 26	0 1	17 39	2 22	23 25	0 4	1 42	2 26	15 38	0 42	0 8	1 37	26 4	7 36	5 5	4 51	3 12	5 38	2 28
T 22	23 20	17 0	5 0	18 46	4 46	23 31	0n 2	17 43	2 23	23 25	0 5	1 43	2 27	15 37	0 42	0 8	1 36	26 5	7 36	5 9	4 52	3 14	5 39	2 29
F 23	23 17	18 18	5 1	18 46	4 45	23 35	0 4	17 46	2 24	23 24	0 5	1 44	2 27	15 36	0 42	0 7	1 36	26 5	7 36	5 13	4 54	3 16	5 39	2 29
S 24	23 13	18 39	4 47	18 48	4 43	23 38	0 6	17 50	2 25	23 23	0 5	1 44	2 27	15 35	0 42	0 7	1 36	26 6	7 36	5 18	4 55	3 18	5 39	2 29
S 25	23 9	17 58	4 16	18 52	4 40	23 41	0 9	17 55	2 26	23 23	0 5	1 45	2 27	15 34	0 42	0 7	1 36	26 6	7 36	5 22	4 56	3 20	5 39	2 29
M26	23 4	16 15	3 31	18 56	4 35	23 43	0 11	17 59	2 27	23 22	0 5	1 46	2 28	15 33	0 42	0 7	1 36	26 7	7 36	5 25	4 57	3 22	5 40	2 29
T 27	23 0	13 35	2 32	19 2	4 29	23 44	0 14	18 4	2 28	23 21	0 5	1 46	2 28	15 32	0 42	0 6	1 36	26 7	7 37	5 27	4 59	3 24	5 40	2 29
W28	22 54	10 6	1 24	19 10	4 21	23 44	0 16	18 8	2 29	23 21	0 5	1 47	2 28	15 31	0 42	0 6	1 36	26 8	7 37	5 28	5 0	3 25	5 40	2 29
T 29	22 49	6 2	0 10	19 19	4 13	23 44	0 18	18 13	2 29	23 20	0 5	1 47	2 29	15 30	0 42	0 6	1 36	26 8	7 37	5 29	5 1	3 27	5 40	2 29
F 30	22n42	1s37	1s 5	19n28	4s 3	23n43	0n21	18s18	2s30	23n19	0n 5	1n47	2s29	15n29	0n42	0n 5	1n36	26s 9	7s37	5n29	5n 2	3s29	5n40	2n29

Julian Day Number = 2192381.5, Delta T = 10m39s
Ecliptic obliquity = 23°31'43, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'39, Lahiri = 13°57'39 Julian Calendar 1 June 1290 == Greg. Calendar 8 June 1290

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

JULY 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 4 56	15♋43'24	12♈34	28♊53	7♋32	13♏39	9♋ 6	10♈16	20♌12	3♎28	6°R14	16°R10	17♍14	14♎22	8♈32	S 1
S 2	19 8 52	16°40'39	26°44	29° 9	8°45	13°54	9°19	10°18	20°15	3°29	6♒13	16♍10	17°11	14°28	8°32	S 2
M 3	19 12 49	17°37'54	10♉52	29°30	9°59	14°10	9°33	10°19	20°18	3°30	6°12	16° 8	17° 8	14°35	8°32	M 3
T 4	19 16 45	18°35'10	24°58	29°57	11°13	14°27	9°46	10°20	20°22	3°31	6°11	16° 3	17° 5	14°42	8°32	T 4
W 5	19 20 42	19°32'27	9♊ 0	0♋30	12°26	14°44	9°59	10°21	20°25	3°31	6° 9	15°57	17° 2	14°48	8°R32	W 5
T 6	19 24 39	20°29'46	22°53	1° 9	13°40	15° 2	10°13	10°22	20°28	3°32	6° 8	15°49	16°59	14°55	8°32	T 6
F 7	19 28 35	21°27'04	6♋34	1°53	14°54	15°21	10°26	10°23	20°32	3°33	6° 7	15°40	16°55	15° 2	8°32	F 7
S 8	19 32 32	22°24'24	20° 0	2°43	16° 8	15°40	10°39	10°24	20°35	3°34	6° 5	15°31	16°52	15° 8	8°32	S 8
S 9	19 36 28	23°21'44	3♌ 9	3°38	17°22	15°59	10°53	10°25	20°39	3°35	6° 4	15°23	16°49	15°15	8°32	S 9
M10	19 40 25	24°19'05	16° 0	4°39	18°35	16°19	11° 6	10°26	20°42	3°36	6° 3	15°18	16°46	15°22	8°31	M10
T 11	19 44 21	25°16'27	28°33	5°45	19°49	16°40	11°19	10°26	20°45	3°37	6° 1	15°14	16°43	15°28	8°31	T 11
W12	19 48 18	26°13'49	10♍50	6°56	21° 3	17° 1	11°33	10°26	20°49	3°38	6° 0	15°D13	16°40	15°35	8°31	W12
T 13	19 52 14	27°11'12	22°54	8°13	22°17	17°23	11°46	10°27	20°52	3°39	5°59	15°13	16°36	15°42	8°30	T 13
F 14	19 56 11	28° 8'36	4♎49	9°35	23°31	17°45	11°59	10°27	20°56	3°41	5°57	15°14	16°33	15°48	8°30	F 14
S 15	20 0 8	29° 6'00	16°38	11° 1	24°45	18° 8	12°12	10°27	21° 0	3°42	5°56	15°15	16°30	15°55	8°29	S 15
S 16	20 4 4	0♌ 3'25	28°29	12°32	25°59	18°31	12°25	10°R27	21° 3	3°43	5°55	15°R16	16°27	16° 2	8°29	S 16
M17	20 8 1	1° 0'51	10♏24	14° 7	27°13	18°55	12°38	10°27	21° 7	3°44	5°53	15°15	16°24	16° 8	8°28	M17
T 18	20 11 57	1°58'17	22°30	15°47	28°27	19°19	12°51	10°27	21°10	3°45	5°52	15°13	16°20	16°15	8°27	T 18
W19	20 15 54	2°55'45	4♐52	17°30	29°41	19°44	13° 4	10°27	21°14	3°47	5°51	15° 9	16°17	16°22	8°27	W19
T 20	20 19 50	3°53'13	17°31	19°17	0♌55	20° 9	13°18	10°26	21°17	3°48	5°49	15° 4	16°14	16°28	8°26	T 20
F 21	20 23 47	4°50'42	0♑32	21° 7	2° 9	20°34	13°30	10°26	21°21	3°49	5°48	14°58	16°11	16°35	8°25	F 21
S 22	20 27 43	5°48'12	13°54	22°59	3°23	21° 0	13°43	10°25	21°25	3°51	5°47	14°51	16° 8	16°42	8°24	S 22
S 23	20 31 40	6°45'43	27°37	24°55	4°37	21°26	13°56	10°24	21°28	3°52	5°45	14°45	16° 5	16°48	8°23	S 23
M24	20 35 37	7°43'15	11♒37	26°52	5°51	21°53	14° 9	10°23	21°32	3°53	5°44	14°41	16° 1	16°55	8°22	M24
T 25	20 39 33	8°40'48	25°52	28°51	7° 5	22°20	14°22	10°22	21°36	3°55	5°43	14°38	15°58	17° 2	8°21	T 25
W26	20 43 30	9°38'22	10♓15	0♌51	8°20	22°48	14°35	10°21	21°39	3°56	5°41	14°D36	15°55	17° 8	8°20	W26
T 27	20 47 26	10°35'58	24°42	2°52	9°34	23°16	14°48	10°20	21°43	3°58	5°40	14°37	15°52	17°15	8°19	T 27
F 28	20 51 23	11°33'36	9♈ 8	4°54	10°48	23°44	15° 0	10°19	21°47	3°59	5°38	14°38	15°49	17°22	8°18	F 28
S 29	20 55 19	12°31'15	23°29	6°56	12° 2	24°13	15°13	10°18	21°50	4° 1	5°37	14°39	15°46	17°28	8°17	S 29
S 30	20 59 16	13°28'55	7♉43	8°58	13°16	24°42	15°26	10°16	21°54	4° 2	5°36	14°R40	15°42	17°35	8°15	S 30
M31	21 3 12	14♌26'38	21♉47	11♌ 0	14♌31	25♏11	15♋38	10♈15	21♌58	4♎ 4	5♒34	14♍40	15♍39	17♎42	8♈14	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n36	2n54	2s16	19n39	3s52	23n42	0n23	18s23	2s31	23n18	0n 5	1n48	2s29	15n28	0n42	0n 5	1n36	26s 9	7s37	5n29	5n 3	3s31	5n41	2n29
S 2	22 29	7 15	3 19	19 51	3 41	23 40	0 25	18 29	2 32	23 17	0 5	1 48	2 29	15 27	0 42	0 5	1 36	26 9	7 37	5 29	5 5	3 33	5 41	2 29
M 3	22 22	11 11	4 10	20 3	3 29	23 37	0 28	18 34	2 32	23 17	0 6	1 48	2 30	15 26	0 42	0 4	1 36	26 10	7 37	5 30	5 6	3 35	5 41	2 29
T 4	22 14	14 28	4 45	20 16	3 16	23 33	0 30	18 40	2 33	23 16	0 6	1 49	2 30	15 25	0 42	0 4	1 36	26 10	7 38	5 31	5 7	3 37	5 41	2 29
W 5	22 6	16 53	5 3	20 29	3 3	23 29	0 32	18 46	2 33	23 15	0 6	1 49	2 30	15 24	0 42	0 4	1 36	26 11	7 38	5 34	5 8	3 38	5 41	2 29
T 6	21 58	18 17	5 3	20 43	2 49	23 23	0 34	18 51	2 34	23 14	0 6	1 49	2 31	15 23	0 42	0 3	1 36	26 11	7 38	5 37	5 10	3 40	5 41	2 30
F 7	21 49	18 37	4 46	20 56	2 35	23 18	0 36	18 57	2 34	23 13	0 6	1 49	2 31	15 22	0 42	0 3	1 36	26 12	7 38	5 40	5 11	3 42	5 41	2 30
S 8	21 39	17 52	4 13	21 10	2 20	23 11	0 39	19 3	2 35	23 12	0 6	1 49	2 31	15 21	0 42	0 2	1 36	26 12	7 38	5 44	5 12	3 44	5 41	2 30
S 9	21 30	16 11	3 26	21 23	2 5	23 4	0 41	19 10	2 35	23 11	0 6	1 49	2 31	15 20	0 42	0 2	1 36	26 13	7 38	5 47	5 13	3 46	5 41	2 30
M10	21 20	13 42	2 31	21 36	1 51	22 56	0 43	19 16	2 36	23 10	0 6	1 49	2 32	15 18	0 42	0 1	1 36	26 13	7 38	5 49	5 15	3 48	5 41	2 30
T 11	21 10	10 38	1 29	21 49	1 36	22 48	0 45	19 22	2 36	23 9	0 6	1 49	2 32	15 17	0 42	0 1	1 36	26 14	7 38	5 50	5 16	3 49	5 41	2 30
W12	20 59	7 10	0 24	22 0	1 21	22 39	0 47	19 29	2 37	23 8	0 6	1 49	2 32	15 16	0 42	0 1	1 36	26 14	7 39	5 51	5 17	3 51	5 41	2 30
T 13	20 48	3 28	0n42	22 10	1 6	22 29	0 49	19 35	2 37	23 7	0 7	1 49	2 33	15 15	0 42	0 0	1 35	26 14	7 39	5 51	5 18	3 53	5 41	2 30
F 14	20 37	0s20	1 44	22 19	0 52	22 18	0 51	19 42	2 37	23 6	0 7	1 49	2 33	15 14	0 42	0s 0	1 35	26 15	7 39	5 50	5 20	3 55	5 41	2 30
S 15	20 25	4 4	2 42	22 27	0 38	22 7	0 52	19 49	2 37	23 5	0 7	1 48	2 33	15 13	0 42	0 1	1 35	26 15	7 39	5 50	5 21	3 57	5 41	2 30
S 16	20 13	7 40	3 33	22 32	0 24	21 55	0 54	19 56	2 38	23 4	0 7	1 48	2 33	15 12	0 42	0 1	1 35	26 16	7 39	5 50	5 22	3 59	5 40	2 30
M17	20 0	10 58	4 15	22 36	0 11	21 43	0 56	20 2	2 38	23 2	0 7	1 48	2 34	15 10	0 42	0 2	1 35	26 16	7 39	5 50	5 23	4 1	5 40	2 30
T 18	19 48	13 51	4 46	22 38	0n 2	21 30	0 58	20 9	2 38	23 1	0 7	1 47	2 34	15 9	0 42	0 3	1 35	26 17	7 39	5 51	5 25	4 2	5 40	2 30
W19	19 35	16 11	5 5	22 37	0 15	21 16	1 0	20 16	2 38	23 0	0 7	1 47	2 34	15 8	0 42	0 3	1 35	26 17	7 39	5 52	5 26	4 4	5 40	2 30
T 20	19 21	17 48	5 10	22 34	0 26	21 1	1 1	20 23	2 39	22 59	0 7	1 47	2 35	15 7	0 42	0 4	1 35	26 18	7 39	5 54	5 27	4 6	5 39	2 30
F 21	19 8	18 33	4 59	22 29	0 37	20 46	1 3	20 30	2 39	22 58	0 7	1 46	2 35	15 6	0 42	0 4	1 35	26 18	7 39	5 57	5 28	4 8	5 39	2 31
S 22	18 53	18 18	4 31	22 20	0 47	20 31	1 4	20 38	2 39	22 57	0 7	1 46	2 35	15 5	0 42	0 5	1 35	26 18	7 39	5 59	5 30	4 10	5 39	2 31
S 23	18 39	16 59	3 48	22 10	0 57	20 15	1 6	20 45	2 39	22 55	0 8	1 45	2 35	15 3	0 42	0 5	1 35	26 19	7 40	6 2	5 31	4 12	5 39	2 31
M24	18 24	14 38	2 50	21 56	1 5	19 58	1 7	20 52	2 39	22 54	0 8	1 45	2 36	15 2	0 42	0 6	1 35	26 19	7 40	6 3	5 32	4 14	5 38	2 31
T 25	18 9	11 22	1 41	21 40	1 13	19 41	1 9	20 59	2 39	22 53	0 8	1 44	2 36	15 1	0 42	0 7	1 35	26 20	7 40	6 4	5 33	4 15	5 38	2 31
W26	17 54	7 23	0 24	21 21	1 20	19 23	1 10	21 6	2 39	22 52	0 8	1 43	2 36	15 0	0 42	0 7	1 35	26 20	7 40	6 5	5 34	4 17	5 38	2 31
T 27	17 39	2 57	0s55	20 59	1 26	19 4	1 11	21 14	2 39	22 50	0 8	1 43	2 36	14 59	0 42	0 8	1 35	26 20	7 40	6 5	5 36	4 19	5 37	2 31
F 28	17 23	1n38	2 10	20 36	1 32	18 45	1 13	21 21	2 39	22 49	0 8	1 42	2 37	14 57	0 42	0 8	1 35	26 21	7 40	6 4	5 37	4 21	5 37	2 31
S 29	17 7	6 6	3 17	20 9	1 36	18 26	1 14	21 28	2 39	22 48	0 8	1 41	2 37	14 56	0 42	0 9	1 35	26 21	7 40	6 4	5 38	4 23	5 36	2 31
S 30	16 50	10 11	4 11	19 41	1 40	18 6	1 15	21 35	2 39	22 46	0 8	1 40	2 37	14 55	0 42	0 10	1 35	26 22	7 40	6 3	5 39	4 25	5 36	2 31
M31	16n34	13n38	4s49	19n10	1n42	17n45	1n16	21s42	2s39	22n45	0n 8	1n39	2s38	14n54	0n42	0s10	1n35	26s22	7s40	6n 4	5n41	4s26	5n35	2n31

Julian Day Number = 2192411.5, Delta T = 10m39s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'43, Lahiri = 13°57'43 Julian Calendar 1 July 1290 == Greg. Calendar 8 July 1290

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

AUGUST 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 7 9	15♌24'22	5♊41	13♌ 2	15♌45	25♏41	15♋51	10°R13	22♌ 2	4♎ 6	5°R33	14°R39	15♍36	17♎48	8°R13	T 1
W 2	21 11 6	16°22'08	19°23	15° 2	16°59	26°11	16° 3	10♈11	22° 5	4° 7	5♒32	14♍36	15°33	17°55	8♈11	W 2
T 3	21 15 2	17°19'55	2♋52	17° 3	18°13	26°41	16°16	10°10	22° 9	4° 9	5°30	14°33	15°30	18° 2	8°10	T 3
F 4	21 18 59	18°17'44	16° 8	19° 2	19°28	27°12	16°28	10° 8	22°13	4°10	5°29	14°28	15°26	18° 8	8° 8	F 4
S 5	21 22 55	19°15'35	29°10	21° 0	20°42	27°43	16°40	10° 6	22°17	4°12	5°28	14°25	15°23	18°15	8° 7	S 5
S 6	21 26 52	20°13'27	11♌58	22°57	21°56	28°14	16°53	10° 4	22°20	4°14	5°27	14°21	15°20	18°22	8° 5	S 6
M 7	21 30 48	21°11'21	24°32	24°53	23°11	28°46	17° 5	10° 1	22°24	4°16	5°25	14°19	15°17	18°28	8° 3	M 7
T 8	21 34 45	22° 9'16	6♍53	26°48	24°25	29°18	17°17	9°59	22°28	4°17	5°24	14°18	15°14	18°35	8° 2	T 8
W 9	21 38 41	23° 7'13	19° 2	28°42	25°40	29°51	17°29	9°57	22°32	4°19	5°23	14°D17	15°11	18°42	8° 0	W 9
T 10	21 42 38	24° 5'11	1♎ 1	0♍34	26°54	0♐23	17°41	9°54	22°35	4°21	5°21	14°18	15° 7	18°48	7°58	T 10
F 11	21 46 35	25° 3'11	12°53	2°25	28° 8	0°56	17°53	9°52	22°39	4°23	5°20	14°20	15° 4	18°55	7°56	F 11
S 12	21 50 31	26° 1'12	24°42	4°15	29°23	1°29	18° 5	9°49	22°43	4°25	5°19	14°21	15° 1	19° 2	7°54	S 12
S 13	21 54 28	26°59'15	6♏31	6° 3	0♍37	2° 3	18°17	9°46	22°47	4°26	5°18	14°23	14°58	19° 8	7°52	S 13
M14	21 58 24	27°57'19	18°26	7°50	1°52	2°37	18°29	9°43	22°50	4°28	5°16	14°23	14°55	19°15	7°50	M14
T 15	22 2 21	28°55'25	0♐31	9°36	3° 6	3°11	18°40	9°40	22°54	4°30	5°15	14°R24	14°52	19°22	7°48	T 15
W16	22 6 17	29°53'32	12°51	11°21	4°21	3°45	18°52	9°37	22°58	4°32	5°14	14°23	14°48	19°28	7°46	W16
T 17	22 10 14	0♍51'40	25°30	13° 5	5°35	4°20	19° 4	9°34	23° 2	4°34	5°13	14°22	14°45	19°35	7°44	T 17
F 18	22 14 10	1°49'50	8♑31	14°47	6°50	4°54	19°15	9°31	23° 5	4°36	5°12	14°21	14°42	19°42	7°42	F 18
S 19	22 18 7	2°48'02	21°56	16°28	8° 4	5°29	19°27	9°28	23° 9	4°38	5°10	14°19	14°39	19°48	7°40	S 19
S 20	22 22 4	3°46'15	5♒47	18° 8	9°19	6° 5	19°38	9°25	23°13	4°40	5° 9	14°18	14°36	19°55	7°38	S 20
M21	22 26 0	4°44'30	20° 1	19°47	10°33	6°40	19°49	9°21	23°16	4°42	5° 8	14°17	14°32	20° 2	7°36	M21
T 22	22 29 57	5°42'46	4♓34	21°24	11°48	7°16	20° 0	9°18	23°20	4°44	5° 7	14°16	14°29	20° 8	7°34	T 22
W23	22 33 53	6°41'04	19°20	23° 1	13° 2	7°52	20°12	9°14	23°24	4°46	5° 6	14°D16	14°26	20°15	7°31	W23
T 24	22 37 50	7°39'24	4♈12	24°36	14°17	8°28	20°23	9°11	23°27	4°48	5° 5	14°17	14°23	20°22	7°29	T 24
F 25	22 41 46	8°37'46	19° 3	26°10	15°31	9° 5	20°34	9° 7	23°31	4°50	5° 4	14°17	14°20	20°28	7°27	F 25
S 26	22 45 43	9°36'11	3♉46	27°43	16°46	9°41	20°44	9° 3	23°35	4°52	5° 3	14°18	14°17	20°35	7°24	S 26
S 27	22 49 39	10°34'37	18°14	29°15	18° 0	10°18	20°55	8°59	23°38	4°54	5° 1	14°18	14°13	20°42	7°22	S 27
M28	22 53 36	11°33'06	2♊25	0♎46	19°15	10°55	21° 6	8°55	23°42	4°56	5° 0	14°18	14°10	20°48	7°19	M28
T 29	22 57 32	12°31'37	16°17	2°16	20°30	11°32	21°17	8°51	23°46	4°58	4°59	14°R18	14° 7	20°55	7°17	T 29
W30	23 1 29	13°30'10	29°50	3°44	21°44	12°10	21°27	8°47	23°49	5° 0	4°58	14°18	14° 4	21° 2	7°15	W30
T 31	23 5 26	14♍28'46	13♋ 4	5♎12	22♍59	12♐48	21♋37	8♈43	23♌53	5♎ 2	4♒57	14°D18	14♍ 1	21♎ 8	7♈12	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16n17	16n15	5s10	18n38	1n44	17n24	1n17	21s50	2s39	22n44	0n 9	1n39	2s38	14n53	0n42	0s11	1n35	26s22	7s40	6n 4	5n42	4s28	5n35	2n31
W 2	15 59	17 55	5 12	18 4	1 46	17 3	1 18	21 57	2 39	22 42	0 9	1 38	2 38	14 51	0 42	0 12	1 35	26 23	7 40	6 5	5 43	4 30	5 34	2 31
T 3	15 42	18 32	4 58	17 28	1 46	16 40	1 19	22 4	2 39	22 41	0 9	1 37	2 38	14 50	0 42	0 12	1 35	26 23	7 40	6 6	5 44	4 32	5 34	2 31
F 4	15 24	18 8	4 27	16 51	1 46	16 18	1 20	22 11	2 39	22 39	0 9	1 36	2 39	14 49	0 42	0 13	1 35	26 23	7 40	6 8	5 46	4 34	5 33	2 31
S 5	15 6	16 46	3 43	16 13	1 45	15 55	1 21	22 18	2 39	22 38	0 9	1 35	2 39	14 48	0 42	0 14	1 35	26 24	7 40	6 10	5 47	4 36	5 33	2 31
S 6	14 48	14 34	2 49	15 33	1 44	15 32	1 21	22 25	2 39	22 37	0 9	1 34	2 39	14 46	0 42	0 14	1 35	26 24	7 40	6 11	5 48	4 38	5 32	2 31
M 7	14 29	11 43	1 47	14 53	1 42	15 8	1 22	22 32	2 39	22 35	0 9	1 33	2 39	14 45	0 42	0 15	1 35	26 24	7 40	6 12	5 49	4 39	5 31	2 31
T 8	14 11	8 23	0 41	14 11	1 40	14 44	1 23	22 39	2 38	22 34	0 9	1 31	2 40	14 44	0 42	0 16	1 35	26 25	7 40	6 12	5 50	4 41	5 31	2 31
W 9	13 52	4 45	0n26	13 29	1 37	14 19	1 23	22 46	2 38	22 32	0 9	1 30	2 40	14 43	0 42	0 17	1 35	26 25	7 40	6 12	5 52	4 43	5 30	2 31
T 10	13 33	0 59	1 31	12 46	1 33	13 54	1 24	22 53	2 38	22 31	0 10	1 29	2 40	14 42	0 42	0 17	1 34	26 25	7 40	6 12	5 53	4 45	5 29	2 31
F 11	13 13	2s47	2 32	12 3	1 29	13 29	1 24	23 0	2 38	22 29	0 10	1 28	2 40	14 40	0 42	0 18	1 34	26 26	7 40	6 11	5 54	4 47	5 29	2 32
S 12	12 54	6 25	3 25	11 19	1 25	13 3	1 24	23 6	2 37	22 28	0 10	1 27	2 41	14 39	0 42	0 19	1 34	26 26	7 40	6 11	5 55	4 49	5 28	2 32
S 13	12 34	9 48	4 10	10 34	1 21	12 37	1 25	23 13	2 37	22 26	0 10	1 25	2 41	14 38	0 42	0 20	1 34	26 26	7 40	6 10	5 57	4 50	5 27	2 32
M14	12 14	12 49	4 45	9 50	1 16	12 10	1 25	23 19	2 37	22 25	0 10	1 24	2 41	14 37	0 42	0 20	1 34	26 27	7 40	6 10	5 58	4 52	5 26	2 32
T 15	11 54	15 19	5 8	9 5	1 10	11 43	1 25	23 26	2 37	22 23	0 10	1 23	2 41	14 35	0 42	0 21	1 34	26 27	7 40	6 10	5 59	4 54	5 26	2 32
W16	11 33	17 11	5 17	8 20	1 5	11 16	1 25	23 32	2 36	22 22	0 10	1 21	2 41	14 34	0 42	0 22	1 34	26 27	7 40	6 10	6 0	4 56	5 25	2 32
T 17	11 13	18 16	5 11	7 35	0 59	10 49	1 25	23 39	2 36	22 20	0 10	1 20	2 42	14 33	0 42	0 23	1 34	26 28	7 40	6 10	6 2	4 58	5 24	2 32
F 18	10 52	18 27	4 49	6 49	0 53	10 21	1 25	23 45	2 36	22 19	0 10	1 18	2 42	14 32	0 42	0 24	1 34	26 28	7 40	6 11	6 3	5 0	5 23	2 32
S 19	10 31	17 36	4 11	6 4	0 46	9 53	1 25	23 51	2 35	22 17	0 11	1 17	2 42	14 31	0 42	0 24	1 34	26 28	7 40	6 12	6 4	5 2	5 22	2 32
S 20	10 10	15 42	3 18	5 19	0 40	9 25	1 25	23 57	2 35	22 16	0 11	1 15	2 42	14 29	0 42	0 25	1 34	26 28	7 40	6 12	6 5	5 3	5 22	2 32
M21	9 48	12 48	2 11	4 34	0 33	8 56	1 24	24 3	2 35	22 14	0 11	1 14	2 42	14 28	0 42	0 26	1 34	26 29	7 40	6 13	6 7	5 5	5 21	2 32
T 22	9 27	9 2	0 54	3 49	0 26	8 28	1 24	24 8	2 34	22 13	0 11	1 12	2 43	14 27	0 42	0 27	1 34	26 29	7 40	6 13	6 8	5 7	5 20	2 32
W23	9 5	4 40	0s28	3 5	0 19	7 59	1 24	24 14	2 34	22 11	0 11	1 11	2 43	14 26	0 42	0 28	1 34	26 29	7 40	6 13	6 9	5 9	5 19	2 32
T 24	8 44	0n 1	1 49	2 20	0 12	7 29	1 23	24 20	2 34	22 10	0 11	1 9	2 43	14 25	0 42	0 28	1 34	26 29	7 40	6 13	6 10	5 11	5 18	2 32
F 25	8 22	4 41	3 1	1 36	0 4	7 0	1 23	24 25	2 33	22 8	0 11	1 8	2 43	14 23	0 42	0 29	1 34	26 30	7 40	6 12	6 11	5 13	5 17	2 32
S 26	8 0	9 2	4 2	0 52	0s 3	6 30	1 22	24 30	2 33	22 7	0 11	1 6	2 43	14 22	0 42	0 30	1 34	26 30	7 40	6 12	6 13	5 14	5 16	2 32
S 27	7 38	12 45	4 46	0 8	0 11	6 1	1 22	24 35	2 32	22 5	0 12	1 4	2 44	14 21	0 42	0 31	1 34	26 30	7 40	6 12	6 14	5 16	5 15	2 32
M28	7 15	15 38	5 11	0s35	0 18	5 31	1 21	24 40	2 32	22 4	0 12	1 3	2 44	14 20	0 42	0 32	1 34	26 30	7 40	6 12	6 15	5 18	5 14	2 32
T 29	6 53	17 33	5 18	1 18	0 26	5 0	1 20	24 45	2 31	22 2	0 12	1 1	2 44	14 19	0 42	0 33	1 34	26 30	7 39	6 12	6 16	5 20	5 13	2 32
W30	6 31	18 26	5 6	2 0	0 34	4 30	1 19	24 50	2 31	22 1	0 12	0 59	2 44	14 17	0 42	0 33	1 34	26 31	7 39	6 12	6 18	5 22	5 12	2 32
T 31	6n 8	18n16	4s39	2s42	0s42	4n 0	1n18	24s54	2s30	21n59	0n12	0n57	2s44	14n16	0n42	0s34	1n34	26s31	7s39	6n12	6n19	5s24	5n11	2n32

Julian Day Number = 2192442.5, Delta T = 10m39s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'47, Lahiri = 13°57'48 Julian Calendar 1 Aug. 1290 == Greg. Calendar 8 Aug. 1290

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

SEPTEMBER 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	23 9 22	15♍27'23	26♋ 1	6♎38	24♍14	13♐25	21♋48	8°R39	23♌56	5♎ 4	4°R56	14♍18	13♍57	21♎15	7°R10	F 1
S 2	23 13 19	16°26'03	8♌43	8° 3	25°28	14° 3	21°58	8♈35	24° 0	5° 7	4♒55	14°18	13°54	21°22	7♈ 7	S 2
S 3	23 17 15	17°24'45	21°11	9°27	26°43	14°42	22° 8	8°31	24° 3	5° 9	4°55	14°19	13°51	21°28	7° 4	S 3
M 4	23 21 12	18°23'29	3♍28	10°50	27°57	15°20	22°18	8°26	24° 7	5°11	4°54	14°19	13°48	21°35	7° 2	M 4
T 5	23 25 8	19°22'15	15°35	12°12	29°12	15°59	22°28	8°22	24°10	5°13	4°53	14°R19	13°45	21°42	6°59	T 5
W 6	23 29 5	20°21'03	27°35	13°33	0♎27	16°38	22°38	8°18	24°14	5°15	4°52	14°19	13°42	21°48	6°57	W 6
T 7	23 33 1	21°19'53	9♎28	14°52	1°41	17°16	22°48	8°13	24°17	5°17	4°51	14°18	13°38	21°55	6°54	T 7
F 8	23 36 58	22°18'46	21°18	16° 9	2°56	17°56	22°57	8° 9	24°21	5°20	4°50	14°17	13°35	22° 2	6°51	F 8
S 9	23 40 55	23°17'40	3♏ 7	17°26	4°11	18°35	23° 7	8° 4	24°24	5°22	4°49	14°16	13°32	22° 8	6°49	S 9
S 10	23 44 51	24°16'35	14°57	18°41	5°25	19°14	23°16	8° 0	24°28	5°24	4°49	14°15	13°29	22°15	6°46	S 10
M11	23 48 48	25°15'33	26°52	19°54	6°40	19°54	23°26	7°55	24°31	5°26	4°48	14°13	13°26	22°22	6°43	M11
T 12	23 52 44	26°14'33	8♐55	21° 6	7°55	20°34	23°35	7°51	24°34	5°28	4°47	14°12	13°23	22°28	6°40	T 12
W13	23 56 41	27°13'34	21°12	22°16	9°10	21°14	23°44	7°46	24°38	5°31	4°46	14°12	13°19	22°35	6°38	W13
T 14	0 0 37	28°12'38	3♑46	23°24	10°24	21°54	23°53	7°41	24°41	5°33	4°46	14°D12	13°16	22°42	6°35	T 14
F 15	0 4 34	29°11'43	16°41	24°30	11°39	22°34	24° 2	7°37	24°44	5°35	4°45	14°12	13°13	22°48	6°32	F 15
S 16	0 8 30	0♎10'49	0♒ 1	25°34	12°54	23°15	24°11	7°32	24°47	5°37	4°44	14°13	13°10	22°55	6°29	S 16
S 17	0 12 27	1° 9'58	13°47	26°35	14° 8	23°55	24°19	7°27	24°51	5°40	4°44	14°15	13° 7	23° 2	6°27	S 17
M18	0 16 24	2° 9'08	28° 1	27°34	15°23	24°36	24°28	7°23	24°54	5°42	4°43	14°16	13° 3	23° 8	6°24	M18
T 19	0 20 20	3° 8'21	12♓39	28°30	16°38	25°17	24°36	7°18	24°57	5°44	4°42	14°R16	13° 0	23°15	6°21	T 19
W20	0 24 17	4° 7'35	27°36	29°23	17°52	25°57	24°44	7°13	25° 0	5°46	4°42	14°16	12°57	23°22	6°18	W20
T 21	0 28 13	5° 6'51	12♈46	0♏13	19° 7	26°38	24°52	7° 8	25° 3	5°49	4°41	14°14	12°54	23°28	6°15	T 21
F 22	0 32 10	6° 6'10	27°58	0°59	20°22	27°20	25° 0	7° 4	25° 6	5°51	4°41	14°12	12°51	23°35	6°13	F 22
S 23	0 36 6	7° 5'30	13♉ 2	1°41	21°36	28° 1	25° 8	6°59	25° 9	5°53	4°40	14° 9	12°48	23°42	6°10	S 23
S 24	0 40 3	8° 4'53	27°51	2°19	22°51	28°42	25°16	6°54	25°12	5°55	4°40	14° 6	12°44	23°49	6° 7	S 24
M25	0 43 59	9° 4'18	12♊17	2°52	24° 6	29°24	25°23	6°49	25°15	5°57	4°39	14° 3	12°41	23°55	6° 4	M25
T 26	0 47 56	10° 3'46	26°17	3°20	25°20	0♑ 6	25°31	6°45	25°18	6° 0	4°39	14° 1	12°38	24° 2	6° 2	T 26
W27	0 51 52	11° 3'16	9♋50	3°43	26°35	0°47	25°38	6°40	25°21	6° 2	4°39	14°D 1	12°35	24° 9	5°59	W27
T 28	0 55 49	12° 2'49	23° 0	3°59	27°50	1°29	25°45	6°35	25°24	6° 4	4°38	14° 1	12°32	24°15	5°56	T 28
F 29	0 59 46	13° 2'23	5♌47	4° 8	29° 5	2°11	25°52	6°30	25°27	6° 6	4°38	14° 2	12°28	24°22	5°53	F 29
S 30	1 3 42	14♎ 2'00	18♌16	4°R10	0♏19	2♑53	25♋59	6♈26	25♌30	6♎ 9	4♒38	14♍ 4	12♍25	24♎29	5♈50	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5n45	17n 8	3s57	3s24	0s49	3n29	1n17	24s59	2s30	21n58	0n12	0n56	2s44	14n15	0n42	0s35	1n34	26s31	7s39	6n12	6n20	5s25	5n10	2n32
S 2	5 22	15 10	3 5	4 5	0 57	2 59	1 16	25 3	2 29	21 56	0 12	0 54	2 44	14 14	0 42	0 36	1 34	26 31	7 39	6 12	6 21	5 27	5 9	2 32
S 3	4 59	12 31	2 5	4 45	1 5	2 28	1 15	25 7	2 29	21 54	0 13	0 52	2 45	14 13	0 42	0 37	1 34	26 31	7 39	6 12	6 22	5 29	5 8	2 32
M 4	4 36	9 21	1 0	5 25	1 13	1 57	1 14	25 11	2 28	21 53	0 13	0 50	2 45	14 12	0 42	0 38	1 34	26 32	7 39	6 12	6 24	5 31	5 7	2 32
T 5	4 13	5 49	0n 7	6 5	1 21	1 26	1 13	25 14	2 28	21 51	0 13	0 48	2 45	14 10	0 42	0 39	1 34	26 32	7 39	6 12	6 25	5 33	5 6	2 32
W 6	3 50	2 5	1 13	6 43	1 28	0 55	1 12	25 18	2 27	21 50	0 13	0 47	2 45	14 9	0 42	0 39	1 34	26 32	7 39	6 12	6 26	5 35	5 5	2 32
T 7	3 27	1s42	2 15	7 21	1 36	0 24	1 11	25 21	2 27	21 49	0 13	0 45	2 45	14 8	0 42	0 40	1 34	26 32	7 39	6 12	6 27	5 36	5 4	2 32
F 8	3 4	5 23	3 11	7 58	1 44	0s 7	1 9	25 24	2 26	21 47	0 13	0 43	2 45	14 7	0 42	0 41	1 34	26 32	7 39	6 12	6 29	5 38	5 3	2 32
S 9	2 40	8 51	3 59	8 35	1 51	0 38	1 8	25 27	2 26	21 46	0 13	0 41	2 45	14 6	0 42	0 42	1 34	26 32	7 39	6 13	6 30	5 40	5 2	2 31
S 10	2 17	11 58	4 37	9 10	1 58	1 9	1 6	25 30	2 25	21 44	0 13	0 39	2 45	14 5	0 42	0 43	1 34	26 32	7 39	6 13	6 31	5 42	5 1	2 31
M11	1 53	14 37	5 2	9 45	2 6	1 40	1 5	25 33	2 24	21 43	0 14	0 37	2 45	14 4	0 42	0 44	1 34	26 32	7 38	6 14	6 32	5 44	5 0	2 31
T 12	1 30	16 40	5 15	10 19	2 13	2 11	1 3	25 35	2 24	21 41	0 14	0 35	2 46	14 3	0 42	0 45	1 34	26 32	7 38	6 14	6 34	5 46	4 58	2 31
W13	1 6	18 0	5 14	10 51	2 20	2 42	1 2	25 37	2 23	21 40	0 14	0 33	2 46	14 1	0 42	0 46	1 34	26 33	7 38	6 15	6 35	5 47	4 57	2 31
T 14	0 43	18 30	4 59	11 23	2 26	3 13	1 0	25 39	2 23	21 38	0 14	0 32	2 46	14 0	0 42	0 46	1 34	26 33	7 38	6 15	6 36	5 49	4 56	2 31
F 15	0 19	18 4	4 27	11 54	2 33	3 44	0 58	25 41	2 22	21 37	0 14	0 30	2 46	13 59	0 42	0 47	1 34	26 33	7 38	6 14	6 37	5 51	4 55	2 31
S 16	0s 4	16 37	3 41	12 23	2 39	4 15	0 56	25 42	2 21	21 36	0 14	0 28	2 46	13 58	0 42	0 48	1 34	26 33	7 38	6 14	6 38	5 53	4 54	2 31
S 17	0 28	14 11	2 41	12 51	2 45	4 45	0 55	25 44	2 21	21 34	0 14	0 26	2 46	13 57	0 42	0 49	1 34	26 33	7 38	6 13	6 40	5 55	4 53	2 31
M18	0 52	10 49	1 29	13 18	2 51	5 16	0 53	25 45	2 20	21 33	0 15	0 24	2 46	13 56	0 42	0 50	1 34	26 33	7 38	6 13	6 41	5 57	4 52	2 31
T 19	1 15	6 42	0 9	13 43	2 56	5 47	0 51	25 46	2 19	21 32	0 15	0 22	2 46	13 55	0 42	0 51	1 34	26 33	7 38	6 13	6 42	5 58	4 50	2 31
W20	1 39	2 4	1s13	14 7	3 1	6 17	0 49	25 46	2 19	21 30	0 15	0 20	2 46	13 54	0 42	0 52	1 34	26 33	7 38	6 13	6 43	6 0	4 49	2 31
T 21	2 2	2n45	2 31	14 29	3 5	6 47	0 47	25 47	2 18	21 29	0 15	0 18	2 46	13 53	0 42	0 53	1 34	26 33	7 37	6 14	6 45	6 2	4 48	2 31
F 22	2 26	7 24	3 38	14 49	3 9	7 18	0 45	25 47	2 17	21 28	0 15	0 16	2 46	13 52	0 42	0 54	1 34	26 33	7 37	6 14	6 46	6 4	4 47	2 31
S 23	2 50	11 31	4 30	15 7	3 13	7 48	0 43	25 47	2 16	21 26	0 15	0 14	2 46	13 51	0 42	0 54	1 34	26 33	7 37	6 16	6 47	6 6	4 46	2 31
S 24	3 13	14 51	5 2	15 23	3 16	8 17	0 41	25 47	2 16	21 25	0 15	0 12	2 46	13 50	0 42	0 55	1 34	26 33	7 37	6 17	6 48	6 8	4 45	2 31
M25	3 37	17 9	5 14	15 36	3 18	8 47	0 38	25 47	2 15	21 24	0 16	0 11	2 46	13 49	0 43	0 56	1 34	26 33	7 37	6 18	6 49	6 9	4 43	2 31
T 26	4 0	18 21	5 8	15 47	3 19	9 17	0 36	25 46	2 14	21 23	0 16	0 9	2 46	13 48	0 43	0 57	1 34	26 33	7 37	6 19	6 51	6 11	4 42	2 30
W27	4 23	18 27	4 43	15 55	3 19	9 46	0 34	25 45	2 13	21 21	0 16	0 7	2 46	13 47	0 43	0 58	1 34	26 33	7 37	6 19	6 52	6 13	4 41	2 30
T 28	4 47	17 32	4 5	16 0	3 19	10 15	0 32	25 44	2 13	21 20	0 16	0 5	2 46	13 46	0 43	0 59	1 34	26 33	7 37	6 19	6 53	6 15	4 40	2 30
F 29	5 10	15 45	3 15	16 2	3 17	10 44	0 29	25 43	2 12	21 19	0 16	0 3	2 46	13 45	0 43	1 0	1 34	26 33	7 36	6 18	6 54	6 17	4 39	2 30
S 30	5s33	13n14	2s17	16s 0	3s14	11s12	0n27	25s41	2s11	21n18	0n16	0n 1	2s46	13n44	0n43	1s 1	1n34	26s33	7s36	6n18	6n55	6s19	4n37	2n30

Julian Day Number = 2192473.5, Delta T = 10m39s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'51, Lahiri = 13°57'52 Julian Calendar 1 Sept. 1290 == Greg. Calendar 8 Sept. 1290

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

OCTOBER 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 7 39	15♎ 1'40	0♍31	4°R 5	1♏34	3♑36	26♋ 6	6°R21	25♌32	6♎11	4°R37	14♍ 6	12♍22	24♎35	5°R48	S 1
M 2	1 11 35	16° 1'21	12°35	3♏51	2°49	4°18	26°12	6♈16	25°35	6°13	4♒37	14°R 6	12°19	24°42	5♈45	M 2
T 3	1 15 32	17° 1'05	24°32	3°29	4° 3	5° 0	26°19	6°12	25°38	6°15	4°37	14° 6	12°16	24°49	5°42	T 3
W 4	1 19 28	18° 0'50	6♎24	2°57	5°18	5°43	26°25	6° 7	25°41	6°17	4°37	14° 4	12°13	24°55	5°40	W 4
T 5	1 23 25	19° 0'38	18°14	2°17	6°33	6°25	26°31	6° 2	25°43	6°20	4°37	13°59	12° 9	25° 2	5°37	T 5
F 6	1 27 21	20° 0'28	0♏ 3	1°28	7°47	7° 8	26°37	5°58	25°46	6°22	4°36	13°54	12° 6	25° 9	5°34	F 6
S 7	1 31 18	21° 0'20	11°53	0°31	9° 2	7°51	26°43	5°53	25°48	6°24	4°36	13°47	12° 3	25°15	5°31	S 7
S 8	1 35 15	22° 0'13	23°47	29♎27	10°17	8°34	26°49	5°49	25°51	6°26	4°36	13°40	12° 0	25°22	5°29	S 8
M 9	1 39 11	23° 0'09	5♐46	28°17	11°31	9°17	26°54	5°44	25°53	6°28	4°36	13°32	11°57	25°29	5°26	M 9
T 10	1 43 8	24° 0'06	17°53	27° 2	12°46	10° 0	26°59	5°40	25°56	6°31	4°36	13°26	11°54	25°35	5°24	T 10
W11	1 47 4	25° 0'06	0♑10	25°46	14° 1	10°43	27° 5	5°36	25°58	6°33	4°D36	13°21	11°50	25°42	5°21	W11
T 12	1 51 1	26° 0'06	12°41	24°29	15°15	11°26	27° 9	5°31	26° 0	6°35	4°36	13°18	11°47	25°49	5°18	T 12
F 13	1 54 57	27° 0'09	25°30	23°14	16°30	12°10	27°14	5°27	26° 3	6°37	4°36	13°D17	11°44	25°55	5°16	F 13
S 14	1 58 54	28° 0'13	8♒41	22° 5	17°45	12°53	27°19	5°23	26° 5	6°39	4°36	13°18	11°41	26° 2	5°13	S 14
S 15	2 2 50	29° 0'19	22°16	21° 2	18°59	13°37	27°23	5°19	26° 7	6°41	4°36	13°19	11°38	26° 9	5°11	S 15
M16	2 6 47	0♏ 0'26	6♓18	20° 8	20°14	14°20	27°28	5°15	26° 9	6°43	4°36	13°R20	11°34	26°15	5° 8	M16
T 17	2 10 44	1° 0'34	20°46	19°24	21°29	15° 4	27°32	5°10	26°11	6°45	4°37	13°20	11°31	26°22	5° 6	T 17
W18	2 14 40	2° 0'45	5♈38	18°51	22°43	15°48	27°36	5° 6	26°13	6°47	4°37	13°18	11°28	26°29	5° 3	W18
T 19	2 18 37	3° 0'57	20°48	18°30	23°58	16°31	27°39	5° 3	26°15	6°50	4°37	13°14	11°25	26°36	5° 1	T 19
F 20	2 22 33	4° 1'11	6♉ 6	18°D20	25°13	17°15	27°43	4°59	26°17	6°52	4°37	13° 8	11°22	26°42	4°59	F 20
S 21	2 26 30	5° 1'26	21°22	18°22	26°27	17°59	27°46	4°55	26°19	6°54	4°37	13° 0	11°19	26°49	4°56	S 21
S 22	2 30 26	6° 1'44	6♊25	18°35	27°42	18°43	27°50	4°51	26°21	6°56	4°38	12°52	11°15	26°56	4°54	S 22
M23	2 34 23	7° 2'03	21° 5	18°57	28°56	19°27	27°53	4°48	26°23	6°58	4°38	12°44	11°12	27° 2	4°52	M23
T 24	2 38 19	8° 2'25	5♋18	19°29	0♐11	20°11	27°56	4°44	26°24	7° 0	4°38	12°37	11° 9	27° 9	4°50	T 24
W25	2 42 16	9° 2'48	19° 0	20°10	1°26	20°55	27°58	4°40	26°26	7° 2	4°39	12°33	11° 6	27°16	4°47	W25
T 26	2 46 13	10° 3'14	2♌13	20°58	2°40	21°40	28° 1	4°37	26°28	7° 4	4°39	12°31	11° 3	27°22	4°45	T 26
F 27	2 50 9	11° 3'41	15° 1	21°53	3°55	22°24	28° 3	4°34	26°29	7° 5	4°40	12°D31	11° 0	27°29	4°43	F 27
S 28	2 54 6	12° 4'10	27°27	22°54	5° 9	23° 8	28° 5	4°30	26°31	7° 7	4°40	12°32	10°56	27°36	4°41	S 28
S 29	2 58 2	13° 4'41	9♍36	24° 0	6°24	23°52	28° 7	4°27	26°33	7° 9	4°41	12°R32	10°53	27°42	4°39	S 29
M30	3 1 59	14° 5'14	21°34	25°10	7°39	24°37	28° 9	4°24	26°34	7°11	4°41	12°32	10°50	27°49	4°37	M30
T 31	3 5 55	15♏ 5'49	3♎25	26♎24	8♐53	25♑21	28♋10	4♈21	26♌35	7♎13	4♒42	12♍29	10♍47	27♎56	4♈35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s56	10n11	1s14	15s54	3s10	11s41	0n25	25s39	2s10	21n17	0n17	0s 1	2s46	13n43	0n43	1s 1	1n34	26s33	7s36	6n17	6n57	6s20	4n36	2n30
M 2	6 20	6 44	0 8	15 44	3 4	12 9	0 22	25 37	2 10	21 16	0 17	0 2	2 46	13 43	0 43	1 2	1 34	26 33	7 36	6 17	6 58	6 22	4 35	2 30
T 3	6 43	3 3	0n57	15 29	2 57	12 36	0 20	25 35	2 9	21 15	0 17	0 4	2 46	13 42	0 43	1 3	1 34	26 33	7 36	6 17	6 59	6 24	4 34	2 30
W 4	7 5	0s44	1 59	15 10	2 48	13 4	0 17	25 32	2 8	21 14	0 17	0 6	2 46	13 41	0 43	1 4	1 34	26 33	7 36	6 18	7 0	6 26	4 33	2 30
T 5	7 28	4 28	2 55	14 46	2 37	13 31	0 15	25 29	2 7	21 13	0 17	0 8	2 46	13 40	0 43	1 5	1 34	26 33	7 36	6 19	7 2	6 28	4 32	2 30
F 6	7 51	8 2	3 44	14 17	2 24	13 58	0 12	25 26	2 6	21 12	0 17	0 9	2 46	13 39	0 43	1 6	1 34	26 32	7 35	6 21	7 3	6 30	4 30	2 30
S 7	8 14	11 17	4 24	13 44	2 10	14 24	0 10	25 23	2 6	21 11	0 18	0 11	2 46	13 38	0 43	1 7	1 34	26 32	7 35	6 24	7 4	6 31	4 29	2 29
S 8	8 36	14 5	4 52	13 6	1 54	14 50	0 7	25 19	2 5	21 10	0 18	0 13	2 46	13 38	0 43	1 7	1 34	26 32	7 35	6 27	7 5	6 33	4 28	2 29
M 9	8 58	16 19	5 7	12 24	1 36	15 16	0 5	25 16	2 4	21 9	0 18	0 15	2 45	13 37	0 43	1 8	1 34	26 32	7 35	6 30	7 6	6 35	4 27	2 29
T 10	9 21	17 51	5 9	11 40	1 17	15 41	0 2	25 12	2 3	21 8	0 18	0 16	2 45	13 36	0 43	1 9	1 34	26 32	7 35	6 32	7 8	6 37	4 26	2 29
W11	9 43	18 35	4 57	10 53	0 57	16 6	0s 0	25 7	2 2	21 7	0 18	0 18	2 45	13 35	0 43	1 10	1 34	26 32	7 35	6 34	7 9	6 39	4 25	2 29
T 12	10 5	18 26	4 30	10 6	0 37	16 31	0 3	25 3	2 1	21 6	0 18	0 20	2 45	13 34	0 43	1 11	1 34	26 32	7 35	6 35	7 10	6 40	4 23	2 29
F 13	10 27	17 21	3 50	9 19	0 16	16 55	0 5	24 58	2 0	21 6	0 19	0 21	2 45	13 34	0 43	1 12	1 34	26 32	7 35	6 35	7 11	6 42	4 22	2 29
S 14	10 48	15 19	2 56	8 34	0n 4	17 19	0 8	24 53	2 0	21 5	0 19	0 23	2 45	13 33	0 43	1 12	1 34	26 31	7 34	6 35	7 13	6 44	4 21	2 29
S 15	11 10	12 23	1 52	7 52	0 24	17 42	0 11	24 48	1 59	21 4	0 19	0 24	2 45	13 32	0 43	1 13	1 34	26 31	7 34	6 35	7 14	6 46	4 20	2 28
M16	11 31	8 39	0 38	7 14	0 43	18 5	0 13	24 42	1 58	21 3	0 19	0 26	2 45	13 32	0 43	1 14	1 34	26 31	7 34	6 34	7 15	6 48	4 19	2 28
T 17	11 52	4 17	0s40	6 42	1 0	18 27	0 16	24 37	1 57	21 3	0 19	0 27	2 45	13 31	0 43	1 15	1 34	26 31	7 34	6 34	7 16	6 50	4 18	2 28
W18	12 13	0n27	1 57	6 15	1 16	18 49	0 18	24 31	1 56	21 2	0 19	0 29	2 45	13 30	0 43	1 16	1 34	26 31	7 34	6 35	7 17	6 51	4 17	2 28
T 19	12 34	5 15	3 8	5 54	1 29	19 10	0 21	24 24	1 55	21 2	0 20	0 30	2 44	13 30	0 43	1 16	1 34	26 31	7 34	6 37	7 19	6 53	4 16	2 28
F 20	12 54	9 45	4 5	5 39	1 41	19 31	0 24	24 18	1 54	21 1	0 20	0 32	2 44	13 29	0 43	1 17	1 35	26 30	7 34	6 39	7 20	6 55	4 15	2 28
S 21	13 15	13 35	4 45	5 30	1 52	19 52	0 26	24 11	1 53	21 1	0 20	0 33	2 44	13 28	0 43	1 18	1 35	26 30	7 33	6 42	7 21	6 57	4 14	2 28
S 22	13 35	16 28	5 4	5 27	2 0	20 11	0 29	24 4	1 52	21 0	0 20	0 34	2 44	13 28	0 43	1 19	1 35	26 30	7 33	6 45	7 22	6 59	4 13	2 27
M23	13 55	18 11	5 3	5 30	2 7	20 31	0 31	23 57	1 51	21 0	0 20	0 36	2 44	13 27	0 44	1 20	1 35	26 30	7 33	6 48	7 23	7 0	4 12	2 27
T 24	14 14	18 43	4 43	5 37	2 12	20 49	0 34	23 50	1 51	20 59	0 20	0 37	2 44	13 27	0 44	1 20	1 35	26 29	7 33	6 51	7 25	7 2	4 10	2 27
W25	14 34	18 6	4 7	5 49	2 16	21 7	0 37	23 42	1 50	20 59	0 21	0 38	2 43	13 26	0 44	1 21	1 35	26 29	7 33	6 52	7 26	7 4	4 9	2 27
T 26	14 53	16 31	3 19	6 5	2 18	21 25	0 39	23 34	1 49	20 59	0 21	0 39	2 43	13 25	0 44	1 22	1 35	26 29	7 33	6 53	7 27	7 6	4 8	2 27
F 27	15 12	14 8	2 22	6 25	2 19	21 42	0 42	23 26	1 48	20 58	0 21	0 40	2 43	13 25	0 44	1 23	1 35	26 29	7 33	6 53	7 28	7 8	4 7	2 27
S 28	15 31	11 9	1 20	6 47	2 19	21 58	0 44	23 18	1 47	20 58	0 21	0 42	2 43	13 24	0 44	1 23	1 35	26 29	7 32	6 53	7 29	7 10	4 7	2 27
S 29	15 49	7 45	0 16	7 12	2 18	22 13	0 47	23 9	1 46	20 58	0 21	0 43	2 43	13 24	0 44	1 24	1 35	26 28	7 32	6 53	7 31	7 11	4 6	2 26
M30	16 8	4 6	0n48	7 40	2 16	22 28	0 49	23 0	1 45	20 58	0 22	0 44	2 43	13 24	0 44	1 25	1 35	26 28	7 32	6 53	7 32	7 13	4 5	2 26
T 31	16s26	0n18	1n49	8s 9	2n13	22s43	0s52	22s51	1s44	20n58	0n22	0s45	2s42	13n23	0n44	1s25	1n35	26s28	7s32	6n54	7n33	7s15	4n 4	2n26

Julian Day Number = 2192503.5, Delta T = 10m39s
Ecliptic obliquity = 23°31'45, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°50'56, Lahiri = 13°57'56 Julian Calendar 1 Oct. 1290 == Greg. Calendar 8 Oct. 1290

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

NOVEMBER 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	3 9 52	16♏ 6'25	15♎13	27♎41	10♐ 8	26♑ 6	28♋11	4°R18	26♌37	7♎15	4♒42	12°R24	10♍44	28♎ 2	4°R33	W 1
T 2	3 13 48	17° 7'03	27° 2	29° 1	11°22	26°50	28°13	4♈15	26°38	7°17	4°43	12♍17	10°40	28° 9	4♈31	T 2
F 3	3 17 45	18° 7'43	8♏53	0♏23	12°37	27°35	28°14	4°13	26°39	7°19	4°43	12° 6	10°37	28°16	4°29	F 3
S 4	3 21 41	19° 8'24	20°49	1°48	13°51	28°20	28°14	4°10	26°40	7°20	4°44	11°54	10°34	28°23	4°27	S 4
S 5	3 25 38	20° 9'07	2♐50	3°14	15° 6	29° 4	28°15	4° 7	26°42	7°22	4°45	11°40	10°31	28°29	4°26	S 5
M 6	3 29 35	21° 9'51	14°59	4°41	16°20	29°49	28°15	4° 5	26°43	7°24	4°45	11°27	10°28	28°36	4°24	M 6
T 7	3 33 31	22°10'36	27°15	6° 9	17°35	0♒34	28°R15	4° 2	26°44	7°26	4°46	11°15	10°25	28°43	4°22	T 7
W 8	3 37 28	23°11'23	9♑41	7°39	18°49	1°19	28°15	4° 0	26°45	7°27	4°47	11° 5	10°21	28°49	4°21	W 8
T 9	3 41 24	24°12'10	22°18	9° 9	20° 4	2° 3	28°15	3°58	26°46	7°29	4°48	10°58	10°18	28°56	4°19	T 9
F 10	3 45 21	25°12'59	5♒ 8	10°39	21°18	2°48	28°15	3°56	26°46	7°31	4°49	10°54	10°15	29° 3	4°18	F 10
S 11	3 49 17	26°13'49	18°15	12°11	22°33	3°33	28°14	3°54	26°47	7°32	4°49	10°53	10°12	29° 9	4°16	S 11
S 12	3 53 14	27°14'39	1♓41	13°42	23°47	4°18	28°13	3°52	26°48	7°34	4°50	10°D52	10° 9	29°16	4°15	S 12
M13	3 57 10	28°15'31	15°30	15°15	25° 2	5° 3	28°12	3°50	26°49	7°35	4°51	10°R53	10° 5	29°23	4°13	M13
T 14	4 1 7	29°16'23	29°41	16°47	26°16	5°48	28°11	3°49	26°49	7°37	4°52	10°51	10° 2	29°29	4°12	T 14
W15	4 5 4	0♗17'16	14♈15	18°19	27°31	6°33	28° 9	3°47	26°50	7°39	4°53	10°48	9°59	29°36	4°11	W15
T 16	4 9 0	1°18'10	29° 8	19°52	28°45	7°18	28° 8	3°46	26°50	7°40	4°54	10°42	9°56	29°43	4°10	T 16
F 17	4 12 57	2°19'05	14♉13	21°25	29°59	8° 3	28° 6	3°44	26°51	7°42	4°55	10°33	9°53	29°49	4° 8	F 17
S 18	4 16 53	3°20'01	29°22	22°58	1♑14	8°48	28° 4	3°43	26°51	7°43	4°56	10°22	9°50	29°56	4° 7	S 18
S 19	4 20 50	4°20'57	14♊23	24°31	2°28	9°33	28° 1	3°42	26°52	7°44	4°57	10°10	9°46	0♏ 3	4° 6	S 19
M20	4 24 46	5°21'55	29° 6	26° 4	3°42	10°18	27°59	3°41	26°52	7°46	4°58	9°59	9°43	0°10	4° 5	M20
T 21	4 28 43	6°22'55	13♋25	27°38	4°57	11° 3	27°56	3°40	26°52	7°47	4°59	9°49	9°40	0°16	4° 4	T 21
W22	4 32 40	7°23'55	27°15	29°11	6°11	11°49	27°54	3°39	26°52	7°49	5° 0	9°42	9°37	0°23	4° 3	W22
T 23	4 36 36	8°24'56	10♌36	0♗44	7°25	12°34	27°51	3°38	26°53	7°50	5° 1	9°37	9°34	0°30	4° 2	T 23
F 24	4 40 33	9°25'58	23°29	2°18	8°39	13°19	27°47	3°38	26°53	7°51	5° 2	9°35	9°31	0°36	4° 2	F 24
S 25	4 44 29	10°27'01	5♍58	3°51	9°54	14° 4	27°44	3°37	26°R53	7°52	5° 4	9°35	9°27	0°43	4° 1	S 25
S 26	4 48 26	11°28'06	18° 9	5°25	11° 8	14°49	27°41	3°37	26°53	7°54	5° 5	9°35	9°24	0°50	4° 0	S 26
M27	4 52 22	12°29'11	0♎ 7	6°59	12°22	15°34	27°37	3°36	26°53	7°55	5° 6	9°34	9°21	0°56	4° 0	M27
T 28	4 56 19	13°30'17	11°57	8°33	13°36	16°20	27°33	3°36	26°52	7°56	5° 7	9°31	9°18	1° 3	3°59	T 28
W29	5 0 15	14°31'24	23°45	10° 7	14°50	17° 5	27°29	3°D36	26°52	7°57	5° 8	9°26	9°15	1°10	3°58	W29
T 30	5 4 12	15♗32'32	5♏35	11♗41	16♑ 5	17♒50	27♋24	3♈36	26♌52	7♎58	5♒10	9♍17	9♍11	1♏17	3♈58	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16s43	3s29	2n45	8s40	2n10	22s56	0s54	22s42	1s43	20n58	0n22	0s46	2s42	13n23	0n44	1s26	1n35	26s27	7s32	6n56	7n34	7s17	4n 3	2n26
T 2	17 1	7 8	3 34	9 12	2 6	23 10	0 56	22 32	1 42	20 58	0 22	0 47	2 42	13 22	0 44	1 27	1 35	26 27	7 32	6 59	7 36	7 19	4 2	2 26
F 3	17 18	10 31	4 13	9 45	2 1	23 22	0 59	22 22	1 41	20 58	0 22	0 48	2 42	13 22	0 44	1 27	1 35	26 27	7 32	7 3	7 37	7 20	4 1	2 26
S 4	17 34	13 30	4 42	10 19	1 56	23 34	1 1	22 12	1 40	20 58	0 23	0 49	2 42	13 22	0 44	1 28	1 35	26 27	7 31	7 8	7 38	7 22	4 0	2 25
S 5	17 51	15 56	4 58	10 54	1 51	23 45	1 3	22 2	1 39	20 58	0 23	0 49	2 41	13 21	0 44	1 29	1 35	26 26	7 31	7 13	7 39	7 24	3 59	2 25
M 6	18 7	17 42	5 1	11 28	1 46	23 55	1 6	21 52	1 38	20 58	0 23	0 50	2 41	13 21	0 44	1 29	1 35	26 26	7 31	7 18	7 40	7 26	3 58	2 25
T 7	18 23	18 40	4 50	12 3	1 40	24 4	1 8	21 41	1 37	20 58	0 23	0 51	2 41	13 21	0 44	1 30	1 35	26 26	7 31	7 22	7 42	7 28	3 58	2 25
W 8	18 38	18 46	4 25	12 38	1 33	24 13	1 10	21 30	1 36	20 58	0 23	0 52	2 41	13 20	0 44	1 31	1 35	26 25	7 31	7 26	7 43	7 29	3 57	2 25
T 9	18 54	17 56	3 47	13 13	1 27	24 21	1 12	21 19	1 35	20 58	0 23	0 52	2 40	13 20	0 44	1 31	1 35	26 25	7 31	7 29	7 44	7 31	3 56	2 25
F 10	19 8	16 11	2 57	13 48	1 20	24 29	1 14	21 8	1 34	20 59	0 24	0 53	2 40	13 20	0 44	1 32	1 35	26 25	7 31	7 30	7 45	7 33	3 55	2 24
S 11	19 23	13 34	1 57	14 23	1 14	24 35	1 16	20 57	1 33	20 59	0 24	0 53	2 40	13 19	0 44	1 33	1 35	26 24	7 31	7 31	7 46	7 35	3 54	2 24
S 12	19 37	10 9	0 49	14 57	1 7	24 41	1 18	20 45	1 32	20 59	0 24	0 54	2 40	13 19	0 44	1 33	1 35	26 24	7 30	7 31	7 48	7 37	3 54	2 24
M13	19 51	6 7	0s24	15 31	1 0	24 46	1 20	20 33	1 31	21 0	0 24	0 54	2 40	13 19	0 44	1 34	1 35	26 24	7 30	7 31	7 49	7 38	3 53	2 24
T 14	20 4	1 37	1 38	16 4	0 53	24 51	1 22	20 21	1 30	21 0	0 24	0 55	2 39	13 19	0 44	1 34	1 35	26 23	7 30	7 31	7 50	7 40	3 52	2 24
W15	20 17	3n 5	2 47	16 37	0 46	24 55	1 24	20 9	1 29	21 1	0 25	0 55	2 39	13 19	0 45	1 35	1 36	26 23	7 30	7 33	7 51	7 42	3 52	2 23
T 16	20 30	7 41	3 46	17 9	0 39	24 57	1 26	19 56	1 28	21 1	0 25	0 56	2 39	13 19	0 45	1 35	1 36	26 23	7 30	7 35	7 52	7 44	3 51	2 23
F 17	20 42	11 52	4 30	17 40	0 32	25 0	1 28	19 44	1 27	21 2	0 25	0 56	2 39	13 18	0 45	1 36	1 36	26 22	7 30	7 38	7 54	7 46	3 50	2 23
S 18	20 54	15 17	4 55	18 11	0 25	25 1	1 30	19 31	1 26	21 2	0 25	0 56	2 38	13 18	0 45	1 37	1 36	26 22	7 30	7 42	7 55	7 47	3 50	2 23
S 19	21 6	17 39	5 0	18 41	0 18	25 2	1 31	19 18	1 25	21 3	0 25	0 56	2 38	13 18	0 45	1 37	1 36	26 22	7 30	7 47	7 56	7 49	3 49	2 23
M20	21 17	18 47	4 44	19 10	0 11	25 1	1 33	19 5	1 24	21 4	0 26	0 57	2 38	13 18	0 45	1 38	1 36	26 21	7 30	7 51	7 57	7 51	3 49	2 23
T 21	21 27	18 41	4 11	19 38	0 4	25 1	1 34	18 51	1 23	21 4	0 26	0 57	2 38	13 18	0 45	1 38	1 36	26 21	7 29	7 55	7 58	7 53	3 48	2 22
W22	21 38	17 27	3 24	20 6	0s 3	24 59	1 36	18 38	1 22	21 5	0 26	0 57	2 37	13 18	0 45	1 39	1 36	26 20	7 29	7 58	8 0	7 55	3 47	2 22
T 23	21 47	15 17	2 27	20 32	0 10	24 56	1 37	18 24	1 21	21 6	0 26	0 57	2 37	13 18	0 45	1 39	1 36	26 20	7 29	7 59	8 1	7 56	3 47	2 22
F 24	21 57	12 25	1 24	20 58	0 17	24 53	1 39	18 10	1 20	21 7	0 26	0 57	2 37	13 18	0 45	1 39	1 36	26 20	7 29	8 0	8 2	7 58	3 46	2 22
S 25	22 6	9 4	0 19	21 23	0 23	24 49	1 40	17 56	1 19	21 8	0 27	0 57	2 37	13 18	0 45	1 40	1 36	26 19	7 29	8 0	8 3	8 0	3 46	2 22
S 26	22 14	5 24	0n45	21 46	0 30	24 45	1 41	17 42	1 18	21 8	0 27	0 57	2 36	13 18	0 45	1 40	1 36	26 19	7 29	8 0	8 4	8 2	3 45	2 21
M27	22 23	1 35	1 46	22 9	0 36	24 39	1 43	17 27	1 17	21 9	0 27	0 57	2 36	13 18	0 45	1 41	1 36	26 18	7 29	8 1	8 6	8 4	3 45	2 21
T 28	22 30	2s15	2 42	22 30	0 42	24 33	1 44	17 13	1 16	21 10	0 27	0 57	2 36	13 18	0 45	1 41	1 36	26 18	7 29	8 2	8 7	8 5	3 45	2 21
W29	22 38	5 59	3 31	22 51	0 48	24 26	1 45	16 58	1 15	21 11	0 27	0 56	2 35	13 19	0 45	1 42	1 36	26 18	7 29	8 4	8 8	8 7	3 44	2 21
T 30	22s44	9s30	4n10	23s10	0s54	24s18	1s46	16s43	1s14	21n12	0n28	0s56	2s35	13n19	0n45	1s42	1n36	26s17	7s29	8n 7	8n 9	8s 9	3n44	2n21

Julian Day Number = 2192534.5, Delta T = 10m38s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'00, Lahiri = 13°58'00 Julian Calendar 1 Nov. 1290 == Greg. Calendar 8 Nov. 1290

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ASTRODIENST EPHEMERIS for the year 1290
geocentric

DECEMBER 1290 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	5 8 9	16♐33'41	17♏30	13♐15	17♑19	18♒35	27°R20	3♈36	26°R52	7♎59	5♒11	9°R 6	9♍ 8	1♏23	3°R58	F 1
S 2	5 12 5	17°34'50	29°32	14°49	18°33	19°20	27♋15	3°37	26♌51	8° 0	5°12	8♍53	9° 5	1°30	3♈57	S 2
S 3	5 16 2	18°36'00	11♐44	16°24	19°47	20° 6	27°10	3°37	26°51	8° 1	5°14	8°38	9° 2	1°37	3°57	S 3
M 4	5 19 58	19°37'11	24° 5	17°59	21° 1	20°51	27° 6	3°38	26°50	8° 2	5°15	8°24	8°59	1°43	3°57	M 4
T 5	5 23 55	20°38'22	6♑37	19°33	22°15	21°36	27° 0	3°38	26°50	8° 3	5°16	8°11	8°56	1°50	3°56	T 5
W 6	5 27 51	21°39'33	19°20	21° 9	23°29	22°21	26°55	3°39	26°49	8° 4	5°18	8° 0	8°52	1°57	3°56	W 6
T 7	5 31 48	22°40'45	2♒12	22°44	24°43	23° 7	26°50	3°40	26°49	8° 5	5°19	7°52	8°49	2° 3	3°56	T 7
F 8	5 35 44	23°41'56	15°16	24°20	25°57	23°52	26°44	3°41	26°48	8° 6	5°20	7°47	8°46	2°10	3°D56	F 8
S 9	5 39 41	24°43'08	28°32	25°56	27°11	24°37	26°38	3°42	26°47	8° 7	5°22	7°45	8°43	2°17	3°56	S 9
S 10	5 43 38	25°44'19	12♓ 0	27°32	28°25	25°22	26°32	3°43	26°46	8° 8	5°23	7°D45	8°40	2°23	3°56	S 10
M11	5 47 34	26°45'31	25°44	29° 8	29°38	26° 8	26°26	3°44	26°45	8° 8	5°25	7°R45	8°37	2°30	3°57	M11
T 12	5 51 31	27°46'42	9♈44	0♑45	0♒52	26°53	26°20	3°46	26°44	8° 9	5°26	7°45	8°33	2°37	3°57	T 12
W13	5 55 27	28°47'53	24° 0	2°22	2° 6	27°38	26°14	3°47	26°43	8°10	5°28	7°42	8°30	2°44	3°57	W13
T 14	5 59 24	29°49'04	8♉29	3°59	3°20	28°23	26° 7	3°49	26°42	8°11	5°29	7°37	8°27	2°50	3°57	T 14
F 15	6 3 20	0♑50'15	23° 9	5°37	4°33	29° 8	26° 1	3°50	26°41	8°11	5°31	7°30	8°24	2°57	3°58	F 15
S 16	6 7 17	1°51'25	7♊54	7°15	5°47	29°54	25°54	3°52	26°40	8°12	5°32	7°20	8°21	3° 4	3°58	S 16
S 17	6 11 13	2°52'35	22°34	8°53	7° 0	0♓39	25°47	3°54	26°39	8°12	5°34	7°10	8°17	3°10	3°59	S 17
M18	6 15 10	3°53'46	7♋ 3	10°32	8°14	1°24	25°40	3°56	26°38	8°13	5°36	6°59	8°14	3°17	3°59	M18
T 19	6 19 7	4°54'56	21°14	12°10	9°27	2° 9	25°33	3°58	26°37	8°13	5°37	6°50	8°11	3°24	4° 0	T 19
W20	6 23 3	5°56'06	5♌ 1	13°49	10°41	2°54	25°26	4° 1	26°35	8°14	5°39	6°43	8° 8	3°30	4° 1	W20
T 21	6 27 0	6°57'16	18°22	15°29	11°54	3°39	25°19	4° 3	26°34	8°14	5°40	6°39	8° 5	3°37	4° 1	T 21
F 22	6 30 56	7°58'26	1♍18	17° 8	13° 7	4°24	25°11	4° 5	26°33	8°15	5°42	6°D38	8° 2	3°44	4° 2	F 22
S 23	6 34 53	8°59'36	13°52	18°48	14°21	5°10	25° 4	4° 8	26°31	8°15	5°44	6°38	7°58	3°51	4° 3	S 23
S 24	6 38 49	10° 0'45	26° 7	20°28	15°34	5°55	24°57	4°11	26°30	8°15	5°45	6°39	7°55	3°57	4° 4	S 24
M25	6 42 46	11° 1'55	8♎ 8	22° 7	16°47	6°40	24°49	4°13	26°28	8°16	5°47	6°R39	7°52	4° 4	4° 5	M25
T 26	6 46 42	12° 3'05	20° 1	23°47	18° 0	7°25	24°41	4°16	26°26	8°16	5°49	6°39	7°49	4°11	4° 6	T 26
W27	6 50 39	13° 4'14	1♏51	25°26	19°13	8°10	24°34	4°19	26°25	8°16	5°50	6°37	7°46	4°17	4° 7	W27
T 28	6 54 36	14° 5'23	13°43	27° 5	20°26	8°55	24°26	4°22	26°23	8°16	5°52	6°32	7°43	4°24	4° 8	T 28
F 29	6 58 32	15° 6'32	25°40	28°44	21°39	9°40	24°18	4°25	26°21	8°16	5°54	6°26	7°39	4°31	4° 9	F 29
S 30	7 2 29	16° 7'41	7♐48	0♒22	22°52	10°25	24°10	4°29	26°20	8°17	5°56	6°17	7°36	4°37	4°10	S 30
S 31	7 6 25	17♑ 8'49	20♐ 8	1♒58	24♒ 5	11♓10	24♋ 2	4♈32	26♌18	8♎17	5♒57	6♍ 8	7♍33	4♏44	4♈12	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s51	12s39	4n39	23s28	1s 0	24s10	1s47	16s28	1s13	21n14	0n28	0s56	2s35	13n19	0n45	1s42	1n36	26s17	7s28	8n11	8n10	8s11	3n44	2n20
S 2	22 57	15 18	4 56	23 45	1 6	24 1	1 47	16 13	1 12	21 15	0 28	0 55	2 35	13 19	0 45	1 43	1 36	26 16	7 28	8 16	8 12	8 13	3 43	2 20
S 3	23 2	17 20	4 59	24 1	1 11	23 51	1 48	15 58	1 11	21 16	0 28	0 55	2 34	13 19	0 45	1 43	1 36	26 16	7 28	8 22	8 13	8 14	3 43	2 20
M 4	23 7	18 35	4 49	24 15	1 17	23 40	1 49	15 43	1 10	21 17	0 28	0 55	2 34	13 19	0 45	1 43	1 37	26 16	7 28	8 27	8 14	8 16	3 43	2 20
T 5	23 12	18 58	4 24	24 29	1 22	23 29	1 49	15 27	1 9	21 18	0 29	0 54	2 34	13 20	0 45	1 44	1 37	26 15	7 28	8 32	8 15	8 18	3 42	2 20
W 6	23 16	18 24	3 46	24 41	1 27	23 17	1 50	15 11	1 8	21 19	0 29	0 54	2 34	13 20	0 45	1 44	1 37	26 15	7 28	8 36	8 16	8 20	3 42	2 19
T 7	23 20	16 53	2 56	24 51	1 31	23 4	1 50	14 55	1 7	21 21	0 29	0 53	2 33	13 20	0 45	1 44	1 37	26 14	7 28	8 39	8 18	8 22	3 42	2 19
F 8	23 23	14 28	1 56	25 0	1 36	22 51	1 51	14 39	1 6	21 22	0 29	0 52	2 33	13 20	0 46	1 45	1 37	26 14	7 28	8 41	8 19	8 23	3 42	2 19
S 9	23 25	11 16	0 49	25 8	1 40	22 37	1 51	14 23	1 5	21 23	0 29	0 52	2 33	13 21	0 46	1 45	1 37	26 13	7 28	8 42	8 20	8 25	3 42	2 19
S 10	23 28	7 26	0s23	25 15	1 44	22 22	1 51	14 7	1 4	21 24	0 29	0 51	2 33	13 21	0 46	1 45	1 37	26 13	7 28	8 42	8 21	8 27	3 41	2 19
M11	23 29	3 8	1 34	25 19	1 48	22 7	1 51	13 51	1 3	21 26	0 30	0 50	2 32	13 21	0 46	1 45	1 37	26 13	7 28	8 41	8 22	8 29	3 41	2 18
T 12	23 31	1n24	2 41	25 23	1 51	21 51	1 51	13 34	1 2	21 27	0 30	0 49	2 32	13 22	0 46	1 46	1 37	26 12	7 28	8 42	8 24	8 30	3 41	2 18
W13	23 31	5 56	3 40	25 25	1 55	21 34	1 51	13 18	1 1	21 29	0 30	0 49	2 32	13 22	0 46	1 46	1 37	26 12	7 28	8 43	8 25	8 32	3 41	2 18
T 14	23 32	10 12	4 25	25 25	1 57	21 17	1 51	13 1	1 0	21 30	0 30	0 48	2 31	13 22	0 46	1 46	1 37	26 11	7 28	8 44	8 26	8 34	3 41	2 18
F 15	23 32	13 54	4 53	25 24	2 0	20 59	1 51	12 45	0 59	21 31	0 30	0 47	2 31	13 23	0 46	1 46	1 37	26 11	7 27	8 47	8 27	8 36	3 41	2 18
S 16	23 31	16 44	5 3	25 22	2 2	20 41	1 51	12 28	0 58	21 33	0 31	0 46	2 31	13 23	0 46	1 46	1 37	26 10	7 27	8 51	8 28	8 38	3 41	2 17
S 17	23 30	18 28	4 52	25 17	2 4	20 22	1 50	12 11	0 57	21 34	0 31	0 45	2 31	13 24	0 46	1 47	1 37	26 10	7 27	8 55	8 29	8 39	3 41	2 17
M18	23 28	18 58	4 23	25 12	2 5	20 3	1 50	11 54	0 56	21 36	0 31	0 44	2 30	13 24	0 46	1 47	1 37	26 10	7 27	8 59	8 31	8 41	3 41	2 17
T 19	23 26	18 16	3 37	25 4	2 6	19 42	1 49	11 37	0 55	21 37	0 31	0 43	2 30	13 25	0 46	1 47	1 37	26 9	7 27	9 2	8 32	8 43	3 41	2 17
W20	23 24	16 29	2 40	24 55	2 7	19 22	1 49	11 19	0 54	21 39	0 31	0 42	2 30	13 25	0 46	1 47	1 37	26 9	7 27	9 5	8 33	8 45	3 41	2 17
T 21	23 21	13 51	1 36	24 44	2 7	19 1	1 48	11 2	0 53	21 40	0 31	0 40	2 30	13 26	0 46	1 47	1 38	26 8	7 27	9 6	8 34	8 46	3 41	2 16
F 22	23 17	10 36	0 28	24 32	2 7	18 39	1 47	10 45	0 52	21 42	0 32	0 39	2 29	13 26	0 46	1 47	1 38	26 8	7 27	9 7	8 35	8 48	3 42	2 16
S 23	23 13	6 58	0n39	24 17	2 6	18 17	1 46	10 27	0 52	21 43	0 32	0 38	2 29	13 27	0 46	1 47	1 38	26 7	7 27	9 7	8 37	8 50	3 42	2 16
S 24	23 9	3 7	1 43	24 1	2 5	17 54	1 45	10 10	0 51	21 45	0 32	0 37	2 29	13 27	0 46	1 47	1 38	26 7	7 27	9 6	8 38	8 52	3 42	2 16
M25	23 4	0s47	2 41	23 44	2 3	17 31	1 44	9 52	0 50	21 46	0 32	0 35	2 29	13 28	0 46	1 47	1 38	26 6	7 27	9 6	8 39	8 54	3 42	2 16
T 26	22 59	4 36	3 31	23 25	2 1	17 7	1 43	9 34	0 49	21 48	0 32	0 34	2 28	13 28	0 46	1 48	1 38	26 6	7 27	9 6	8 40	8 55	3 42	2 16
W27	22 53	8 13	4 12	23 4	1 58	16 43	1 42	9 17	0 48	21 49	0 32	0 32	2 28	13 29	0 46	1 48	1 38	26 5	7 27	9 7	8 41	8 57	3 43	2 15
T 28	22 47	11 31	4 43	22 41	1 54	16 19	1 40	8 59	0 47	21 51	0 33	0 31	2 28	13 30	0 46	1 48	1 38	26 5	7 27	9 9	8 43	8 59	3 43	2 15
F 29	22 40	14 22	5 1	22 17	1 50	15 54	1 39	8 41	0 46	21 52	0 33	0 30	2 28	13 30	0 46	1 48	1 38	26 5	7 27	9 11	8 44	9 1	3 43	2 15
S 30	22 33	16 39	5 6	21 52	1 45	15 29	1 37	8 23	0 45	21 54	0 33	0 28	2 27	13 31	0 46	1 48	1 38	26 4	7 27	9 14	8 45	9 2	3 43	2 15
S 31	22s25	18s13	4n58	21s25	1s39	15s 3	1s36	8s 5	0s44	21n55	0n33	0s26	2s27	13n32	0n46	1s48	1n38	26s 4	7s27	9n18	8n46	9s 4	3n44	2n15

Julian Day Number = 2192564.5, Delta T = 10m38s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'04, Lahiri = 13°58'04 Julian Calendar 1 Dec. 1290 == Greg. Calendar 8 Dec. 1290

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ASTRODIENST EPHEMERIS for the year 1291
geocentric

JANUARY 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	7 10 22	18♉ 9'57	2♉43	3♒34	25♒18	11♓55	23°R54	4♈35	26°R16	8♎17	5♒59	5°R58	7♍30	4♏51	4♈13	M 1
T 2	7 14 18	19°11'04	15°31	5° 8	26°30	12°39	23♋46	4°39	26♌14	8°R17	6° 1	5♍50	7°27	4°58	4°14	T 2
W 3	7 18 15	20°12'11	28°34	6°40	27°43	13°24	23°38	4°43	26°12	8°17	6° 3	5°43	7°23	5° 4	4°16	W 3
T 4	7 22 11	21°13'16	11♒49	8°10	28°56	14° 9	23°30	4°46	26°10	8°17	6° 4	5°38	7°20	5°11	4°17	T 4
F 5	7 26 8	22°14'21	25°16	9°37	0♓ 8	14°54	23°22	4°50	26° 8	8°17	6° 6	5°35	7°17	5°18	4°19	F 5
S 6	7 30 5	23°15'25	8♓53	11° 0	1°21	15°39	23°14	4°54	26° 6	8°16	6° 8	5°D35	7°14	5°24	4°20	S 6
S 7	7 34 1	24°16'28	22°39	12°20	2°33	16°24	23° 6	4°58	26° 4	8°16	6°10	5°36	7°11	5°31	4°22	S 7
M 8	7 37 58	25°17'30	6♈34	13°34	3°45	17° 8	22°58	5° 2	26° 2	8°16	6°11	5°37	7° 8	5°38	4°24	M 8
T 9	7 41 54	26°18'30	20°35	14°44	4°57	17°53	22°50	5° 6	26° 0	8°16	6°13	5°R38	7° 4	5°44	4°25	T 9
W10	7 45 51	27°19'29	4♉44	15°47	6° 9	18°38	22°42	5°11	25°58	8°16	6°15	5°38	7° 1	5°51	4°27	W10
T 11	7 49 47	28°20'27	18°57	16°42	7°21	19°22	22°34	5°15	25°55	8°15	6°17	5°37	6°58	5°58	4°29	T 11
F 12	7 53 44	29°21'24	3♊13	17°31	8°33	20° 7	22°26	5°20	25°53	8°15	6°19	5°33	6°55	6° 5	4°31	F 12
S 13	7 57 40	0♒22'19	17°29	18°10	9°45	20°52	22°18	5°24	25°51	8°15	6°20	5°28	6°52	6°11	4°33	S 13
S 14	8 1 37	1°23'13	1♋39	18°40	10°57	21°36	22°10	5°29	25°49	8°14	6°22	5°23	6°49	6°18	4°35	S 14
M15	8 5 34	2°24'06	15°40	19° 0	12° 8	22°21	22° 2	5°34	25°46	8°14	6°24	5°17	6°45	6°25	4°37	M15
T 16	8 9 30	3°24'58	29°28	19°R 9	13°20	23° 5	21°55	5°38	25°44	8°13	6°26	5°13	6°42	6°31	4°39	T 16
W17	8 13 27	4°25'48	12♌58	19° 7	14°31	23°50	21°47	5°43	25°42	8°13	6°28	5° 9	6°39	6°38	4°41	W17
T 18	8 17 23	5°26'38	26° 9	18°54	15°42	24°34	21°39	5°48	25°39	8°12	6°29	5° 7	6°36	6°45	4°43	T 18
F 19	8 21 20	6°27'26	9♍ 0	18°30	16°53	25°19	21°32	5°53	25°37	8°12	6°31	5°D 7	6°33	6°52	4°46	F 19
S 20	8 25 16	7°28'13	21°33	17°56	18° 5	26° 3	21°24	5°58	25°34	8°11	6°33	5° 8	6°29	6°58	4°48	S 20
S 21	8 29 13	8°28'58	3♎49	17°12	19°15	26°47	21°17	6° 3	25°32	8°11	6°35	5°10	6°26	7° 5	4°50	S 21
M22	8 33 9	9°29'43	15°53	16°19	20°26	27°32	21°10	6° 9	25°29	8°10	6°37	5°12	6°23	7°12	4°52	M22
T 23	8 37 6	10°30'27	27°48	15°20	21°37	28°16	21° 2	6°14	25°27	8° 9	6°38	5°13	6°20	7°18	4°55	T 23
W24	8 41 3	11°31'09	9♏40	14°15	22°48	29° 0	20°55	6°19	25°24	8° 9	6°40	5°R14	6°17	7°25	4°57	W24
T 25	8 44 59	12°31'51	21°32	13° 7	23°58	29°44	20°48	6°25	25°22	8° 8	6°42	5°13	6°14	7°32	5° 0	T 25
F 26	8 48 56	13°32'31	3♐31	11°57	25° 8	0♈29	20°41	6°30	25°19	8° 7	6°44	5°12	6°10	7°38	5° 2	F 26
S 27	8 52 52	14°33'10	15°41	10°47	26°18	1°13	20°35	6°36	25°17	8° 6	6°46	5°10	6° 7	7°45	5° 5	S 27
S 28	8 56 49	15°33'48	28° 5	9°39	27°29	1°57	20°28	6°42	25°14	8° 5	6°48	5° 7	6° 4	7°52	5° 7	S 28
M29	9 0 45	16°34'24	10♑46	8°35	28°38	2°41	20°21	6°48	25°12	8° 5	6°49	5° 4	6° 1	7°59	5°10	M29
T 30	9 4 42	17°34'59	23°46	7°36	29°48	3°25	20°15	6°53	25° 9	8° 4	6°51	5° 1	5°58	8° 5	5°13	T 30
W31	9 8 38	18♒35'33	7♒ 5	6♒43	0♈58	4♈ 9	20♋ 8	6♈59	25♌ 6	8♎ 3	6♒53	4♍59	5♍55	8♏12	5♈15	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s17	18s56	4n34	20s56	1s33	14s37	1s34	7s47	0s43	21n57	0n33	0s25	2s27	13n32	0n46	1s47	1n38	26s 3	7s27	9n21	8n47	9s 6	3n44	2n14
T 2	22 9	18 42	3 57	20 27	1 26	14 10	1 32	7 29	0 42	21 58	0 33	0 23	2 27	13 33	0 46	1 47	1 38	26 3	7 27	9 24	8 48	9 8	3 45	2 14
W 3	22 0	17 29	3 6	19 56	1 18	13 43	1 30	7 11	0 41	22 0	0 33	0 22	2 26	13 34	0 46	1 47	1 38	26 2	7 27	9 27	8 50	9 9	3 45	2 14
T 4	21 51	15 18	2 5	19 24	1 9	13 16	1 28	6 52	0 40	22 2	0 34	0 20	2 26	13 34	0 47	1 47	1 38	26 2	7 27	9 29	8 51	9 11	3 45	2 14
F 5	21 41	12 16	0 56	18 52	0 59	12 49	1 26	6 34	0 39	22 3	0 34	0 18	2 26	13 35	0 47	1 47	1 38	26 1	7 27	9 30	8 52	9 13	3 46	2 14
S 6	21 31	8 33	0s18	18 19	0 48	12 21	1 24	6 16	0 38	22 5	0 34	0 16	2 26	13 36	0 47	1 47	1 39	26 1	7 27	9 30	8 53	9 15	3 46	2 13
S 7	21 20	4 19	1 31	17 45	0 37	11 53	1 22	5 58	0 37	22 6	0 34	0 15	2 25	13 36	0 47	1 47	1 39	26 1	7 27	9 30	8 54	9 17	3 47	2 13
M 8	21 9	0n10	2 40	17 12	0 24	11 24	1 20	5 39	0 36	22 8	0 34	0 13	2 25	13 37	0 47	1 47	1 39	26 0	7 27	9 29	8 56	9 18	3 47	2 13
T 9	20 58	4 40	3 40	16 39	0 11	10 56	1 17	5 21	0 35	22 9	0 34	0 11	2 25	13 38	0 47	1 47	1 39	26 0	7 27	9 29	8 57	9 20	3 48	2 13
W10	20 46	8 57	4 27	16 7	0n 4	10 27	1 15	5 2	0 34	22 10	0 34	0 9	2 25	13 39	0 47	1 47	1 39	25 59	7 27	9 29	8 58	9 22	3 48	2 13
T 11	20 34	12 44	4 58	15 36	0 19	9 57	1 12	4 44	0 34	22 12	0 34	0 7	2 25	13 39	0 47	1 46	1 39	25 59	7 27	9 29	8 59	9 24	3 49	2 13
F 12	20 22	15 48	5 11	15 6	0 34	9 28	1 9	4 26	0 33	22 13	0 35	0 5	2 24	13 40	0 47	1 46	1 39	25 58	7 27	9 31	9 0	9 25	3 50	2 12
S 13	20 9	17 53	5 4	14 38	0 51	8 58	1 7	4 7	0 32	22 15	0 35	0 3	2 24	13 41	0 47	1 46	1 39	25 58	7 27	9 32	9 2	9 27	3 50	2 12
S 14	19 56	18 52	4 39	14 13	1 8	8 28	1 4	3 49	0 31	22 16	0 35	0 1	2 24	13 42	0 47	1 46	1 39	25 58	7 27	9 34	9 3	9 29	3 51	2 12
M15	19 42	18 40	3 58	13 50	1 25	7 58	1 1	3 30	0 30	22 17	0 35	0n 1	2 24	13 43	0 47	1 46	1 39	25 57	7 27	9 36	9 4	9 31	3 51	2 12
T 16	19 28	17 22	3 3	13 31	1 43	7 28	0 58	3 12	0 29	22 19	0 35	0 3	2 23	13 43	0 47	1 45	1 39	25 57	7 28	9 38	9 5	9 32	3 52	2 12
W17	19 13	15 6	1 58	13 15	2 0	6 58	0 55	2 53	0 28	22 20	0 35	0 5	2 23	13 44	0 47	1 45	1 39	25 56	7 28	9 39	9 6	9 34	3 53	2 12
T 18	18 59	12 5	0 49	13 3	2 17	6 27	0 52	2 35	0 27	22 21	0 35	0 8	2 23	13 45	0 47	1 45	1 39	25 56	7 28	9 40	9 7	9 36	3 53	2 11
F 19	18 44	8 33	0n21	12 54	2 33	5 56	0 49	2 16	0 26	22 23	0 35	0 10	2 23	13 46	0 47	1 45	1 39	25 55	7 28	9 40	9 9	9 38	3 54	2 11
S 20	18 28	4 44	1 29	12 50	2 49	5 25	0 45	1 58	0 25	22 24	0 35	0 12	2 23	13 47	0 47	1 44	1 39	25 55	7 28	9 40	9 10	9 39	3 55	2 11
S 21	18 13	0 47	2 31	12 50	3 3	4 55	0 42	1 39	0 25	22 25	0 35	0 14	2 22	13 48	0 47	1 44	1 39	25 55	7 28	9 39	9 11	9 41	3 56	2 11
M22	17 57	3s 7	3 26	12 54	3 15	4 23	0 38	1 21	0 24	22 27	0 36	0 16	2 22	13 49	0 47	1 44	1 39	25 54	7 28	9 39	9 12	9 43	3 56	2 11
T 23	17 40	6 50	4 10	13 2	3 25	3 52	0 35	1 2	0 23	22 28	0 36	0 19	2 22	13 49	0 47	1 43	1 40	25 54	7 28	9 38	9 13	9 45	3 57	2 11
W24	17 23	10 16	4 44	13 12	3 34	3 21	0 31	0 44	0 22	22 29	0 36	0 21	2 22	13 50	0 47	1 43	1 40	25 53	7 28	9 38	9 14	9 46	3 58	2 10
T 25	17 7	13 17	5 6	13 26	3 40	2 50	0 28	0 25	0 21	22 30	0 36	0 23	2 22	13 51	0 47	1 43	1 40	25 53	7 28	9 38	9 16	9 48	3 59	2 10
F 26	16 49	15 47	5 15	13 42	3 43	2 18	0 24	0 7	0 20	22 31	0 36	0 26	2 21	13 52	0 47	1 42	1 40	25 53	7 28	9 38	9 17	9 50	4 0	2 10
S 27	16 32	17 37	5 10	14 0	3 45	1 47	0 20	0n11	0 19	22 32	0 36	0 28	2 21	13 53	0 47	1 42	1 40	25 52	7 28	9 39	9 18	9 52	4 1	2 10
S 28	16 14	18 41	4 50	14 19	3 43	1 15	0 16	0 30	0 18	22 33	0 36	0 31	2 21	13 54	0 47	1 42	1 40	25 52	7 28	9 40	9 19	9 53	4 2	2 10
M29	15 56	18 50	4 16	14 38	3 40	0 44	0 12	0 48	0 18	22 35	0 36	0 33	2 21	13 55	0 47	1 41	1 40	25 51	7 28	9 41	9 20	9 55	4 2	2 10
T 30	15 37	18 1	3 28	14 58	3 35	0 12	0 8	1 6	0 17	22 36	0 36	0 35	2 21	13 55	0 47	1 41	1 40	25 51	7 29	9 42	9 22	9 57	4 3	2 9
W31	15s19	16s11	2n28	15s18	3n28	0n19	0s 4	1n25	0s16	22n37	0n36	0n38	2s21	13n56	0n47	1s40	1n40	25s51	7s29	9n43	9n23	9s59	4n 4	2n 9

Julian Day Number = 2192595.5, Delta T = 10m38s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'08, Lahiri = 13°58'09 Julian Calendar 1 Jan. 1291 == Greg. Calendar 8 Jan. 1291

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ASTRODIENST EPHEMERIS for the year 1291
geocentric

FEBRUARY 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 12 35	19♒36'05	20♒42	5°R56	2♈ 7	4♈53	20°R 2	7♈ 5	25°R 4	8°R 2	6♒55	4°R58	5♍51	8♏19	5♈18	T 1
F 2	9 16 32	20°36'35	4♓35	5♒17	3°17	5°37	19♋56	7°11	25♌ 1	8♎ 1	6°56	4°D57	5°48	8°25	5°21	F 2
S 3	9 20 28	21°37'04	18°40	4°45	4°26	6°21	19°50	7°17	24°59	8° 0	6°58	4♍58	5°45	8°32	5°24	S 3
S 4	9 24 25	22°37'31	2♈54	4°21	5°35	7° 5	19°45	7°23	24°56	7°59	7° 0	4°58	5°42	8°39	5°26	S 4
M 5	9 28 21	23°37'56	17°12	4° 4	6°44	7°48	19°39	7°30	24°53	7°58	7° 2	4°59	5°39	8°46	5°29	M 5
T 6	9 32 18	24°38'19	1♉31	3°54	7°53	8°32	19°34	7°36	24°51	7°57	7° 3	5° 0	5°35	8°52	5°32	T 6
W 7	9 36 14	25°38'40	15°47	3°D51	9° 1	9°16	19°28	7°42	24°48	7°56	7° 5	5° 1	5°32	8°59	5°35	W 7
T 8	9 40 11	26°38'59	29°57	3°55	10° 9	10° 0	19°23	7°49	24°45	7°55	7° 7	5°R 1	5°29	9° 6	5°38	T 8
F 9	9 44 7	27°39'16	14♊ 1	4° 6	11°18	10°43	19°18	7°55	24°43	7°53	7° 9	5° 1	5°26	9°12	5°41	F 9
S 10	9 48 4	28°39'30	27°55	4°22	12°26	11°27	19°13	8° 1	24°40	7°52	7°10	5° 0	5°23	9°19	5°44	S 10
S 11	9 52 1	29°39'43	11♋39	4°44	13°33	12°10	19° 9	8° 8	24°38	7°51	7°12	4°59	5°20	9°26	5°47	S 11
M12	9 55 57	0♓39'54	25°11	5°11	14°41	12°54	19° 4	8°15	24°35	7°50	7°14	4°59	5°16	9°32	5°50	M12
T 13	9 59 54	1°40'02	8♌31	5°42	15°48	13°37	19° 0	8°21	24°32	7°49	7°15	4°58	5°13	9°39	5°54	T 13
W14	10 3 50	2°40'09	21°36	6°19	16°55	14°21	18°56	8°28	24°30	7°47	7°17	4°58	5°10	9°46	5°57	W14
T 15	10 7 47	3°40'14	4♍28	6°59	18° 2	15° 4	18°52	8°35	24°27	7°46	7°19	4°D58	5° 7	9°53	6° 0	T 15
F 16	10 11 43	4°40'16	17° 6	7°43	19° 9	15°48	18°48	8°41	24°25	7°45	7°20	4°R58	5° 4	9°59	6° 3	F 16
S 17	10 15 40	5°40'17	29°30	8°31	20°15	16°31	18°45	8°48	24°22	7°43	7°22	4°58	5° 0	10° 6	6° 6	S 17
S 18	10 19 36	6°40'16	11♎42	9°23	21°22	17°14	18°41	8°55	24°20	7°42	7°24	4°58	4°57	10°13	6° 9	S 18
M19	10 23 33	7°40'14	23°44	10°17	22°28	17°58	18°38	9° 2	24°17	7°41	7°25	4°58	4°54	10°19	6°13	M19
T 20	10 27 30	8°40'09	5♏40	11°15	23°33	18°41	18°35	9° 9	24°14	7°39	7°27	4°57	4°51	10°26	6°16	T 20
W21	10 31 26	9°40'03	17°32	12°15	24°39	19°24	18°32	9°16	24°12	7°38	7°29	4°57	4°48	10°33	6°19	W21
T 22	10 35 23	10°39'55	29°25	13°18	25°44	20° 7	18°29	9°23	24° 9	7°37	7°30	4°56	4°45	10°40	6°23	T 22
F 23	10 39 19	11°39'45	11♐23	14°23	26°49	20°50	18°27	9°30	24° 7	7°35	7°32	4°D56	4°41	10°46	6°26	F 23
S 24	10 43 16	12°39'34	23°31	15°30	27°54	21°33	18°25	9°37	24° 5	7°34	7°33	4°56	4°38	10°53	6°29	S 24
S 25	10 47 12	13°39'21	5♑53	16°40	28°58	22°16	18°22	9°44	24° 2	7°32	7°35	4°57	4°35	11° 0	6°33	S 25
M26	10 51 9	14°39'06	18°34	17°52	0♉ 2	22°59	18°21	9°51	24° 0	7°31	7°36	4°58	4°32	11° 6	6°36	M26
T 27	10 55 5	15°38'50	1♒36	19° 5	1° 6	23°42	18°19	9°58	23°57	7°29	7°38	4°59	4°29	11°13	6°40	T 27
W28	10 59 2	16♓38'31	15♒ 2	20♒21	2♉10	24♈25	18♋17	10♈ 6	23♌55	7♎28	7♒39	5♍ 0	4♍26	11♏20	6♈43	W28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	15s 0	13s25	1n18	15s38	3n19	0n51	0s 0	1n43	0s15	22n38	0n36	0n40	2s20	13n57	0n47	1s40	1n40	25s50	7s29	9n44	9n24	10s 0	4n 5	2n 9	T 1
F 2	14 41	9 50	0 2	15 57	3 10	1 22	0n 4	2 1	0 14	22 38	0 36	0 43	2 20	13 58	0 47	1 40	1 40	25 50	7 29	9 44	9 25	10 2	4 6	2 9	F 2
S 3	14 21	5 39	1s15	16 15	2 59	1 54	0 8	2 19	0 13	22 39	0 36	0 46	2 20	13 59	0 47	1 39	1 40	25 50	7 29	9 44	9 26	10 4	4 7	2 9	S 3
S 4	14 1	1 7	2 29	16 32	2 47	2 25	0 12	2 38	0 13	22 40	0 36	0 48	2 20	14 0	0 47	1 39	1 40	25 49	7 29	9 43	9 27	10 6	4 8	2 9	S 4
M 5	13 42	3n30	3 33	16 48	2 35	2 56	0 17	2 56	0 12	22 41	0 37	0 51	2 20	14 1	0 47	1 38	1 40	25 49	7 29	9 43	9 29	10 7	4 9	2 9	M 5
T 6	13 21	7 54	4 25	17 2	2 23	3 28	0 21	3 14	0 11	22 42	0 37	0 53	2 20	14 2	0 47	1 38	1 40	25 49	7 29	9 43	9 30	10 9	4 10	2 8	T 6
W 7	13 1	11 51	4 59	17 16	2 10	3 59	0 26	3 32	0 10	22 43	0 37	0 56	2 19	14 3	0 47	1 37	1 40	25 48	7 30	9 42	9 31	10 11	4 11	2 8	W 7
T 8	12 41	15 4	5 16	17 27	1 57	4 30	0 30	3 50	0 9	22 44	0 37	0 59	2 19	14 3	0 47	1 37	1 40	25 48	7 30	9 42	9 32	10 12	4 12	2 8	T 8
F 9	12 20	17 23	5 13	17 38	1 44	5 1	0 35	4 8	0 9	22 44	0 37	1 1	2 19	14 4	0 47	1 36	1 40	25 48	7 30	9 43	9 33	10 14	4 13	2 8	F 9
S 10	11 59	18 39	4 52	17 46	1 31	5 32	0 39	4 26	0 8	22 45	0 37	1 4	2 19	14 5	0 47	1 36	1 40	25 47	7 30	9 43	9 34	10 16	4 15	2 8	S 10
S 11	11 38	18 47	4 15	17 54	1 18	6 2	0 44	4 43	0 7	22 46	0 37	1 7	2 19	14 6	0 47	1 35	1 40	25 47	7 30	9 43	9 36	10 18	4 16	2 8	S 11
M12	11 17	17 51	3 23	18 0	1 5	6 33	0 48	5 1	0 6	22 46	0 37	1 9	2 19	14 7	0 47	1 35	1 40	25 47	7 30	9 43	9 37	10 19	4 17	2 8	M12
T 13	10 55	15 55	2 22	18 4	0 53	7 3	0 53	5 19	0 5	22 47	0 37	1 12	2 19	14 8	0 47	1 34	1 41	25 46	7 30	9 43	9 38	10 21	4 18	2 7	T 13
W14	10 34	13 12	1 14	18 7	0 40	7 34	0 58	5 36	0 5	22 48	0 37	1 15	2 18	14 9	0 47	1 34	1 41	25 46	7 30	9 43	9 39	10 23	4 19	2 7	W14
T 15	10 12	9 52	0 3	18 8	0 29	8 4	1 3	5 54	0 4	22 48	0 37	1 18	2 18	14 10	0 47	1 33	1 41	25 46	7 31	9 43	9 40	10 25	4 20	2 7	T 15
F 16	9 50	6 8	1n 7	18 8	0 17	8 34	1 7	6 11	0 3	22 49	0 37	1 20	2 18	14 10	0 47	1 33	1 41	25 45	7 31	9 43	9 41	10 26	4 21	2 7	F 16
S 17	9 28	2 13	2 12	18 6	0 6	9 3	1 12	6 29	0 2	22 49	0 37	1 23	2 18	14 11	0 47	1 32	1 41	25 45	7 31	9 43	9 43	10 28	4 22	2 7	S 17
S 18	9 6	1s44	3 10	18 3	0s 5	9 33	1 17	6 46	0 2	22 50	0 37	1 26	2 18	14 12	0 47	1 31	1 41	25 45	7 31	9 44	9 44	10 30	4 24	2 7	S 18
M19	8 43	5 33	3 59	17 59	0 16	10 2	1 22	7 4	0 1	22 50	0 37	1 29	2 18	14 13	0 47	1 31	1 41	25 45	7 31	9 44	9 45	10 31	4 25	2 7	M19
T 20	8 21	9 6	4 37	17 53	0 26	10 31	1 27	7 21	0 0	22 51	0 37	1 32	2 18	14 14	0 47	1 30	1 41	25 44	7 31	9 44	9 46	10 33	4 26	2 7	T 20
W21	7 58	12 17	5 3	17 45	0 35	11 0	1 32	7 38	0n 1	22 51	0 37	1 35	2 18	14 15	0 47	1 30	1 41	25 44	7 32	9 44	9 47	10 35	4 27	2 6	W21
T 22	7 36	14 58	5 16	17 36	0 45	11 29	1 36	7 55	0 1	22 52	0 37	1 37	2 17	14 15	0 47	1 29	1 41	25 44	7 32	9 44	9 48	10 37	4 28	2 6	T 22
F 23	7 13	17 2	5 15	17 26	0 53	11 57	1 41	8 12	0 2	22 52	0 37	1 40	2 17	14 16	0 47	1 29	1 41	25 44	7 32	9 44	9 50	10 38	4 30	2 6	F 23
S 24	6 50	18 22	5 1	17 14	1 2	12 25	1 46	8 29	0 3	22 52	0 37	1 43	2 17	14 17	0 47	1 28	1 41	25 43	7 32	9 44	9 51	10 40	4 31	2 6	S 24
S 25	6 27	18 52	4 32	17 1	1 10	12 53	1 51	8 45	0 4	22 53	0 37	1 46	2 17	14 18	0 47	1 27	1 41	25 43	7 32	9 44	9 52	10 42	4 32	2 6	S 25
M26	6 4	18 26	3 50	16 46	1 18	13 20	1 56	9 2	0 4	22 53	0 37	1 49	2 17	14 19	0 47	1 27	1 41	25 43	7 32	9 44	9 53	10 43	4 33	2 6	M26
T 27	5 41	17 2	2 55	16 30	1 25	13 47	2 1	9 19	0 5	22 53	0 37	1 52	2 17	14 19	0 47	1 26	1 41	25 43	7 33	9 43	9 54	10 45	4 35	2 6	T 27
W28	5s18	14s40	1n48	16s12	1s32	14n14	2n 6	9n35	0n 6	22n53	0n37	1n55	2s17	14n20	0n47	1s26	1n41	25s42	7s33	9n43	9n55	10s47	4n36	2n 6	W28

Julian Day Number = 2192626.5, Delta T = 10m38s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'12, Lahiri = 13°58'13 Julian Calendar 1 Feb. 1291 == Greg. Calendar 8 Feb. 1291

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ASTRODIENST EPHEMERIS for the year 1291
geocentric

MARCH 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 2 59	17♓38'11	28♒52	21♒38	3♉13	25♈ 8	18°R16	10♈13	23°R53	7°R26	7♒41	5°R 0	4♍22	11♏27	6♈47	T 1
F 2	11 6 55	18°37'48	13♓ 4	22°58	4°16	25°50	18♋15	10°20	23♌50	7♎25	7°42	5♍ 0	4°19	11°33	6°50	F 2
S 3	11 10 52	19°37'24	27°34	24°18	5°18	26°33	18°14	10°27	23°48	7°23	7°44	4°59	4°16	11°40	6°54	S 3
S 4	11 14 48	20°36'57	12♈16	25°41	6°21	27°16	18°13	10°35	23°46	7°22	7°45	4°58	4°13	11°47	6°57	S 4
M 5	11 18 45	21°36'29	27° 3	27° 5	7°23	27°58	18°13	10°42	23°43	7°20	7°46	4°56	4°10	11°53	7° 1	M 5
T 6	11 22 41	22°35'58	11♉47	28°30	8°24	28°41	18°12	10°50	23°41	7°18	7°48	4°54	4° 6	12° 0	7° 4	T 6
W 7	11 26 38	23°35'24	26°22	29°58	9°25	29°24	18°D12	10°57	23°39	7°17	7°49	4°52	4° 3	12° 7	7° 8	W 7
T 8	11 30 34	24°34'49	10♊43	1♓26	10°26	0♉ 6	18°12	11° 4	23°37	7°15	7°51	4°50	4° 0	12°14	7°11	T 8
F 9	11 34 31	25°34'11	24°48	2°56	11°26	0°49	18°12	11°12	23°35	7°14	7°52	4°D50	3°57	12°20	7°15	F 9
S 10	11 38 27	26°33'31	8♋34	4°28	12°26	1°31	18°13	11°19	23°33	7°12	7°53	4°50	3°54	12°27	7°19	S 10
S 11	11 42 24	27°32'48	22° 2	6° 0	13°26	2°14	18°13	11°27	23°31	7°10	7°54	4°51	3°51	12°34	7°22	S 11
M12	11 46 21	28°32'03	5♌14	7°35	14°25	2°56	18°14	11°34	23°29	7° 9	7°56	4°53	3°47	12°40	7°26	M12
T 13	11 50 17	29°31'16	18°10	9°11	15°24	3°38	18°15	11°42	23°27	7° 7	7°57	4°54	3°44	12°47	7°29	T 13
W14	11 54 14	0♈30'26	0♍54	10°48	16°22	4°20	18°16	11°49	23°25	7° 6	7°58	4°R55	3°41	12°54	7°33	W14
T 15	11 58 10	1°29'34	13°25	12°26	17°20	5° 3	18°18	11°57	23°23	7° 4	7°59	4°55	3°38	13° 1	7°37	T 15
F 16	12 2 7	2°28'40	25°46	14° 6	18°17	5°45	18°19	12° 5	23°21	7° 2	8° 1	4°53	3°35	13° 7	7°40	F 16
S 17	12 6 3	3°27'43	7♎58	15°48	19°13	6°27	18°21	12°12	23°19	7° 1	8° 2	4°50	3°32	13°14	7°44	S 17
S 18	12 10 0	4°26'45	20° 3	17°31	20° 9	7° 9	18°23	12°20	23°17	6°59	8° 3	4°46	3°28	13°21	7°47	S 18
M19	12 13 56	5°25'45	2♏ 1	19°15	21° 5	7°51	18°25	12°27	23°16	6°57	8° 4	4°41	3°25	13°27	7°51	M19
T 20	12 17 53	6°24'43	13°55	21° 1	22° 0	8°33	18°27	12°35	23°14	6°56	8° 5	4°35	3°22	13°34	7°55	T 20
W21	12 21 50	7°23'38	25°47	22°48	22°54	9°15	18°30	12°43	23°12	6°54	8° 6	4°29	3°19	13°41	7°58	W21
T 22	12 25 46	8°22'32	7♐40	24°37	23°48	9°57	18°32	12°50	23°11	6°52	8° 7	4°25	3°16	13°48	8° 2	T 22
F 23	12 29 43	9°21'25	19°37	26°27	24°41	10°39	18°35	12°58	23° 9	6°51	8° 8	4°21	3°12	13°54	8° 6	F 23
S 24	12 33 39	10°20'15	1♑43	28°19	25°34	11°21	18°38	13° 6	23° 8	6°49	8° 9	4°19	3° 9	14° 1	8° 9	S 24
S 25	12 37 36	11°19'04	14° 2	0♈12	26°26	12° 3	18°41	13°13	23° 6	6°47	8°10	4°D19	3° 6	14° 8	8°13	S 25
M26	12 41 32	12°17'51	26°38	2° 7	27°17	12°44	18°45	13°21	23° 5	6°46	8°11	4°20	3° 3	14°14	8°17	M26
T 27	12 45 29	13°16'36	9♒36	4° 3	28° 7	13°26	18°48	13°29	23° 3	6°44	8°12	4°21	3° 0	14°21	8°20	T 27
W28	12 49 25	14°15'20	23° 0	6° 0	28°57	14° 8	18°52	13°36	23° 2	6°43	8°13	4°22	2°57	14°28	8°24	W28
T 29	12 53 22	15°14'01	6♓50	7°59	29°46	14°49	18°56	13°44	23° 1	6°41	8°14	4°R23	2°53	14°35	8°27	T 29
F 30	12 57 18	16°12'41	21° 8	10° 0	0♊34	15°31	19° 0	13°51	22°59	6°39	8°15	4°22	2°50	14°41	8°31	F 30
S 31	13 1 15	17♈11'19	5♈50	12♈ 2	1♊21	16♉12	19♋ 4	13♈59	22♌58	6♎38	8♒16	4♍19	2♍47	14♏48	8♈35	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s54	11s23	0n34	15s53	1s38	14n41	2n11	9n52	0n 7	22n54	0n37	1n58	2s17	14n21	0n47	1s25	1n41	25s42	7s33	9n43	9n57	10s49	4n37	2n 6
F 2	4 31	7 22	0s45	15 33	1 44	15 7	2 16	10 8	0 7	22 54	0 37	2 1	2 17	14 22	0 47	1 24	1 41	25 42	7 33	9 43	9 58	10 50	4 39	2 5
S 3	4 7	2 50	2 2	15 11	1 50	15 33	2 21	10 24	0 8	22 54	0 37	2 4	2 17	14 23	0 47	1 24	1 41	25 42	7 33	9 43	9 59	10 52	4 40	2 5
S 4	3 44	1n55	3 12	14 48	1 55	15 59	2 26	10 40	0 9	22 54	0 37	2 7	2 17	14 23	0 47	1 23	1 41	25 42	7 34	9 44	10 0	10 54	4 41	2 5
M 5	3 20	6 35	4 9	14 24	1 59	16 24	2 31	10 56	0 9	22 54	0 37	2 10	2 17	14 24	0 47	1 22	1 41	25 41	7 34	9 44	10 1	10 55	4 42	2 5
T 6	2 57	10 49	4 50	13 58	2 4	16 48	2 35	11 12	0 10	22 54	0 37	2 13	2 16	14 25	0 47	1 22	1 41	25 41	7 34	9 45	10 2	10 57	4 44	2 5
W 7	2 33	14 21	5 12	13 31	2 7	17 13	2 40	11 28	0 11	22 54	0 37	2 15	2 16	14 25	0 47	1 21	1 41	25 41	7 34	9 46	10 4	10 59	4 45	2 5
T 8	2 10	16 58	5 14	13 2	2 11	17 37	2 45	11 44	0 11	22 54	0 37	2 18	2 16	14 26	0 47	1 20	1 41	25 41	7 34	9 46	10 5	11 1	4 46	2 5
F 9	1 46	18 29	4 57	12 32	2 14	18 1	2 50	11 59	0 12	22 54	0 37	2 21	2 16	14 27	0 47	1 20	1 41	25 41	7 35	9 47	10 6	11 2	4 48	2 5
S 10	1 22	18 53	4 23	12 1	2 16	18 24	2 55	12 15	0 13	22 54	0 37	2 24	2 16	14 27	0 47	1 19	1 41	25 41	7 35	9 46	10 7	11 4	4 49	2 5
S 11	0 59	18 11	3 35	11 29	2 18	18 47	2 59	12 30	0 13	22 54	0 37	2 27	2 16	14 28	0 47	1 18	1 41	25 40	7 35	9 46	10 8	11 6	4 51	2 5
M12	0 35	16 30	2 36	10 55	2 20	19 9	3 4	12 45	0 14	22 54	0 37	2 30	2 16	14 29	0 47	1 18	1 41	25 40	7 35	9 45	10 9	11 7	4 52	2 5
T 13	0 11	14 0	1 31	10 20	2 21	19 31	3 9	13 0	0 15	22 54	0 37	2 33	2 16	14 29	0 47	1 17	1 41	25 40	7 36	9 45	10 10	11 9	4 53	2 4
W14	0n12	10 51	0 22	9 43	2 21	19 53	3 13	13 15	0 15	22 54	0 37	2 36	2 16	14 30	0 47	1 16	1 41	25 40	7 36	9 45	10 12	11 11	4 55	2 4
T 15	0 36	7 15	0n47	9 5	2 21	20 14	3 18	13 30	0 16	22 53	0 37	2 39	2 16	14 31	0 47	1 16	1 41	25 40	7 36	9 45	10 13	11 12	4 56	2 4
F 16	0 59	3 24	1 52	8 26	2 21	20 34	3 22	13 45	0 17	22 53	0 37	2 42	2 16	14 31	0 47	1 15	1 41	25 40	7 36	9 45	10 14	11 14	4 57	2 4
S 17	1 23	0s33	2 51	7 46	2 20	20 54	3 27	14 0	0 17	22 53	0 37	2 45	2 16	14 32	0 47	1 14	1 41	25 40	7 36	9 46	10 15	11 16	4 59	2 4
S 18	1 46	4 26	3 42	7 5	2 19	21 14	3 31	14 14	0 18	22 53	0 37	2 48	2 16	14 32	0 47	1 14	1 41	25 40	7 37	9 48	10 16	11 17	5 0	2 4
M19	2 10	8 6	4 23	6 22	2 17	21 33	3 35	14 28	0 19	22 52	0 37	2 51	2 16	14 33	0 47	1 13	1 41	25 40	7 37	9 50	10 17	11 19	5 1	2 4
T 20	2 33	11 26	4 52	5 38	2 14	21 52	3 40	14 43	0 19	22 52	0 37	2 54	2 16	14 33	0 47	1 13	1 41	25 40	7 37	9 52	10 19	11 21	5 3	2 4
W21	2 57	14 17	5 8	4 53	2 11	22 10	3 44	14 57	0 20	22 52	0 37	2 57	2 16	14 34	0 47	1 12	1 41	25 39	7 37	9 54	10 20	11 23	5 4	2 4
T 22	3 20	16 33	5 11	4 6	2 8	22 28	3 48	15 11	0 20	22 51	0 37	3 0	2 16	14 34	0 47	1 11	1 41	25 39	7 38	9 56	10 21	11 24	5 6	2 4
F 23	3 43	18 8	5 1	3 19	2 4	22 45	3 52	15 24	0 21	22 51	0 37	3 3	2 16	14 35	0 46	1 11	1 41	25 39	7 38	9 57	10 22	11 26	5 7	2 4
S 24	4 6	18 54	4 37	2 30	2 0	23 2	3 56	15 38	0 22	22 50	0 37	3 6	2 16	14 35	0 46	1 10	1 41	25 39	7 38	9 58	10 23	11 28	5 8	2 4
S 25	4 30	18 49	4 0	1 40	1 55	23 19	4 0	15 52	0 22	22 50	0 37	3 9	2 16	14 36	0 46	1 9	1 41	25 39	7 38	9 58	10 24	11 29	5 10	2 4
M26	4 53	17 47	3 11	0 50	1 49	23 34	4 3	16 5	0 23	22 50	0 37	3 12	2 16	14 36	0 46	1 9	1 41	25 39	7 39	9 58	10 25	11 31	5 11	2 4
T 27	5 16	15 49	2 11	0n 2	1 43	23 49	4 7	16 18	0 23	22 49	0 37	3 15	2 16	14 37	0 46	1 8	1 41	25 39	7 39	9 57	10 27	11 33	5 13	2 4
W28	5 38	12 56	1 2	0 55	1 37	24 4	4 11	16 31	0 24	22 49	0 37	3 18	2 16	14 37	0 46	1 7	1 41	25 39	7 39	9 57	10 28	11 34	5 14	2 3
T 29	6 1	9 14	0s13	1 48	1 30	24 18	4 14	16 44	0 25	22 48	0 37	3 21	2 16	14 38	0 46	1 7	1 41	25 39	7 39	9 56	10 29	11 36	5 15	2 3
F 30	6 24	4 54	1 30	2 43	1 22	24 32	4 17	16 57	0 25	22 47	0 37	3 24	2 16	14 38	0 46	1 6	1 41	25 39	7 40	9 57	10 30	11 38	5 17	2 3
S 31	6n47	0s 9	2s42	3n38	1s14	24n45	4n20	17n10	0n26	22n47	0n37	3n27	2s16	14n38	0n46	1s 5	1n41	25s39	7s40	9n58	10n31	11s39	5n18	2n 3

Julian Day Number = 2192654.5, Delta T = 10m38s
Ecliptic obliquity = 23°31'45, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'16, Lahiri = 13°58'17 Julian Calendar 1 March 1291 == Greg. Calendar 8 March 1291

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ASTRODIENST EPHEMERIS for the year 1291
geocentric

APRIL 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 5 12	18♈ 9'55	20♈50	14♈ 5	2♊ 8	16♉54	19♋ 8	14♈ 7	22°R57	6°R36	8♒17	4°R14	2♍44	14♏55	8♈38	S 1
M 2	13 9 8	19° 8'29	5♉59	16° 9	2°53	17°35	19°13	14°14	22♌56	6♎34	8°17	4♍ 7	2°41	15° 1	8°42	M 2
T 3	13 13 5	20° 7'01	21° 7	18°15	3°38	18°17	19°17	14°22	22°55	6°33	8°18	4° 0	2°37	15° 8	8°45	T 3
W 4	13 17 1	21° 5'31	6♊ 4	20°21	4°21	18°58	19°22	14°30	22°54	6°31	8°19	3°54	2°34	15°15	8°49	W 4
T 5	13 20 58	22° 3'59	20°42	22°29	5° 4	19°40	19°27	14°37	22°53	6°30	8°20	3°49	2°31	15°22	8°53	T 5
F 6	13 24 54	23° 2'25	4♋57	24°37	5°45	20°21	19°33	14°45	22°52	6°28	8°20	3°45	2°28	15°28	8°56	F 6
S 7	13 28 51	24° 0'49	18°46	26°45	6°26	21° 2	19°38	14°53	22°51	6°27	8°21	3°D44	2°25	15°35	9° 0	S 7
S 8	13 32 47	24°59'10	2♌11	28°53	7° 5	21°44	19°43	15° 0	22°50	6°25	8°22	3°44	2°22	15°42	9° 3	S 8
M 9	13 36 44	25°57'30	15°14	1♉ 2	7°43	22°25	19°49	15° 8	22°49	6°23	8°22	3°45	2°18	15°48	9° 7	M 9
T 10	13 40 41	26°55'47	27°58	3°10	8°20	23° 6	19°55	15°15	22°49	6°22	8°23	3°R46	2°15	15°55	9°10	T 10
W11	13 44 37	27°54'02	10♍26	5°17	8°56	23°47	20° 1	15°23	22°48	6°20	8°23	3°46	2°12	16° 2	9°14	W11
T 12	13 48 34	28°52'15	22°43	7°24	9°30	24°28	20° 7	15°30	22°47	6°19	8°24	3°44	2° 9	16° 9	9°17	T 12
F 13	13 52 30	29°50'26	4♎51	9°29	10° 3	25° 9	20°13	15°38	22°47	6°17	8°25	3°39	2° 6	16°15	9°21	F 13
S 14	13 56 27	0♉48'35	16°52	11°33	10°34	25°50	20°20	15°45	22°46	6°16	8°25	3°33	2° 3	16°22	9°24	S 14
S 15	14 0 23	1°46'42	28°49	13°35	11° 4	26°31	20°26	15°53	22°46	6°14	8°25	3°24	1°59	16°29	9°28	S 15
M16	14 4 20	2°44'48	10♏43	15°34	11°33	27°12	20°33	16° 0	22°45	6°13	8°26	3°13	1°56	16°35	9°31	M16
T 17	14 8 16	3°42'52	22°36	17°32	11°59	27°53	20°40	16° 8	22°45	6°12	8°26	3° 2	1°53	16°42	9°34	T 17
W18	14 12 13	4°40'54	4♐29	19°26	12°25	28°34	20°47	16°15	22°45	6°10	8°27	2°50	1°50	16°49	9°38	W18
T 19	14 16 10	5°38'55	16°23	21°18	12°48	29°14	20°54	16°23	22°44	6° 9	8°27	2°40	1°47	16°56	9°41	T 19
F 20	14 20 6	6°36'54	28°22	23° 7	13°10	29°55	21° 1	16°30	22°44	6° 7	8°27	2°32	1°43	17° 2	9°45	F 20
S 21	14 24 3	7°34'52	10♑29	24°53	13°30	0♊36	21° 8	16°37	22°44	6° 6	8°28	2°26	1°40	17° 9	9°48	S 21
S 22	14 27 59	8°32'49	22°47	26°35	13°48	1°17	21°16	16°45	22°44	6° 5	8°28	2°23	1°37	17°16	9°51	S 22
M23	14 31 56	9°30'44	5♒20	28°15	14° 4	1°57	21°23	16°52	22°D44	6° 3	8°28	2°D21	1°34	17°22	9°54	M23
T 24	14 35 52	10°28'38	18°13	29°50	14°18	2°38	21°31	16°59	22°44	6° 2	8°29	2°22	1°31	17°29	9°58	T 24
W25	14 39 49	11°26'30	1♓30	1♊22	14°30	3°18	21°39	17° 6	22°44	6° 1	8°29	2°R22	1°28	17°36	10° 1	W25
T 26	14 43 45	12°24'22	15°14	2°51	14°40	3°59	21°47	17°14	22°44	6° 0	8°29	2°21	1°24	17°43	10° 4	T 26
F 27	14 47 42	13°22'12	29°26	4°16	14°47	4°39	21°55	17°21	22°44	5°58	8°29	2°19	1°21	17°49	10° 7	F 27
S 28	14 51 39	14°20'01	14♈ 6	5°37	14°53	5°20	22° 3	17°28	22°45	5°57	8°29	2°14	1°18	17°56	10°10	S 28
S 29	14 55 35	15°17'48	29° 8	6°54	14°56	6° 0	22°12	17°35	22°45	5°56	8°29	2° 6	1°15	18° 3	10°14	S 29
M30	14 59 32	16♉15'35	14♉24	8♊ 8	14°R57	6♊41	22♋20	17♈42	22♌45	5♎55	8♒29	1♍57	1♍12	18♏ 9	10♈17	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n 9	4n42	3s45	4n34	1s 6	24n58	4n23	17n22	0n26	22n46	0n37	3n30	2s16	14n39	0n46	1s 5	1n41	25s39	7s40	10n 0	10n32	11s41	5n19	2n 3
M 2	7 31	9 17	4 32	5 30	0 57	25 10	4 26	17 34	0 27	22 46	0 37	3 33	2 16	14 39	0 46	1 4	1 41	25 39	7 40	10 2	10 34	11 43	5 21	2 3
T 3	7 54	13 16	5 0	6 27	0 48	25 21	4 29	17 47	0 27	22 45	0 37	3 36	2 16	14 39	0 46	1 3	1 41	25 39	7 41	10 5	10 35	11 44	5 22	2 3
W 4	8 16	16 21	5 8	7 23	0 38	25 32	4 32	17 59	0 28	22 44	0 37	3 39	2 16	14 40	0 46	1 3	1 41	25 39	7 41	10 7	10 36	11 46	5 24	2 3
T 5	8 38	18 18	4 55	8 20	0 28	25 43	4 34	18 10	0 29	22 43	0 37	3 42	2 16	14 40	0 46	1 2	1 41	25 40	7 41	10 9	10 37	11 48	5 25	2 3
F 6	8 59	19 3	4 24	9 17	0 18	25 53	4 36	18 22	0 29	22 43	0 37	3 45	2 16	14 40	0 46	1 2	1 41	25 40	7 41	10 10	10 38	11 49	5 26	2 3
S 7	9 21	18 36	3 38	10 14	0 8	26 2	4 38	18 34	0 30	22 42	0 37	3 48	2 16	14 41	0 46	1 1	1 41	25 40	7 42	10 11	10 39	11 51	5 28	2 3
S 8	9 42	17 7	2 42	11 10	0n 3	26 11	4 40	18 45	0 30	22 41	0 37	3 50	2 16	14 41	0 46	1 0	1 41	25 40	7 42	10 11	10 40	11 53	5 29	2 3
M 9	10 4	14 46	1 38	12 5	0 14	26 19	4 42	18 56	0 31	22 40	0 37	3 53	2 16	14 41	0 46	1 0	1 41	25 40	7 42	10 10	10 42	11 54	5 30	2 3
T 10	10 25	11 44	0 31	13 0	0 24	26 26	4 44	19 7	0 31	22 39	0 37	3 56	2 16	14 41	0 46	0 59	1 41	25 40	7 43	10 10	10 43	11 56	5 32	2 3
W11	10 46	8 14	0n36	13 53	0 35	26 34	4 45	19 18	0 32	22 38	0 37	3 59	2 16	14 41	0 46	0 59	1 41	25 40	7 43	10 10	10 44	11 58	5 33	2 3
T 12	11 7	4 26	1 40	14 45	0 46	26 40	4 46	19 29	0 32	22 38	0 37	4 2	2 16	14 42	0 46	0 58	1 41	25 40	7 43	10 11	10 45	11 59	5 35	2 3
F 13	11 27	0 29	2 39	15 36	0 56	26 46	4 47	19 39	0 33	22 37	0 37	4 5	2 16	14 42	0 46	0 57	1 41	25 40	7 43	10 12	10 46	12 1	5 36	2 3
S 14	11 48	3s26	3 29	16 24	1 6	26 51	4 47	19 50	0 33	22 36	0 37	4 8	2 16	14 42	0 46	0 57	1 41	25 40	7 44	10 15	10 47	12 3	5 37	2 3
S 15	12 8	7 11	4 11	17 11	1 16	26 56	4 48	20 0	0 34	22 35	0 37	4 10	2 16	14 42	0 46	0 56	1 41	25 41	7 44	10 18	10 48	12 4	5 39	2 3
M16	12 28	10 39	4 41	17 56	1 26	27 0	4 48	20 10	0 34	22 34	0 37	4 13	2 16	14 42	0 46	0 56	1 41	25 41	7 44	10 22	10 50	12 6	5 40	2 3
T 17	12 48	13 41	4 58	18 38	1 35	27 4	4 48	20 20	0 35	22 33	0 37	4 16	2 16	14 42	0 46	0 55	1 41	25 41	7 44	10 26	10 51	12 8	5 41	2 3
W18	13 8	16 9	5 3	19 19	1 43	27 7	4 47	20 29	0 35	22 31	0 37	4 19	2 17	14 42	0 46	0 55	1 41	25 41	7 45	10 30	10 52	12 9	5 43	2 3
T 19	13 27	17 57	4 55	19 56	1 51	27 9	4 47	20 39	0 36	22 30	0 37	4 22	2 17	14 42	0 46	0 54	1 41	25 41	7 45	10 34	10 53	12 11	5 44	2 3
F 20	13 46	18 58	4 33	20 32	1 58	27 11	4 45	20 48	0 36	22 29	0 37	4 24	2 17	14 42	0 46	0 54	1 41	25 41	7 45	10 37	10 54	12 13	5 45	2 3
S 21	14 6	19 8	4 0	21 4	2 5	27 12	4 44	20 57	0 37	22 28	0 37	4 27	2 17	14 42	0 45	0 53	1 41	25 41	7 46	10 39	10 55	12 14	5 46	2 3
S 22	14 24	18 24	3 14	21 35	2 10	27 13	4 42	21 6	0 37	22 27	0 37	4 30	2 17	14 42	0 45	0 53	1 41	25 42	7 46	10 40	10 56	12 16	5 48	2 3
M23	14 43	16 46	2 19	22 2	2 15	27 13	4 40	21 15	0 38	22 26	0 37	4 33	2 17	14 42	0 45	0 52	1 41	25 42	7 46	10 40	10 57	12 18	5 49	2 3
T 24	15 1	14 15	1 15	22 28	2 20	27 12	4 38	21 23	0 38	22 25	0 37	4 35	2 17	14 42	0 45	0 52	1 41	25 42	7 46	10 40	10 59	12 19	5 50	2 3
W25	15 19	10 55	0 5	22 51	2 23	27 10	4 35	21 32	0 39	22 23	0 37	4 38	2 17	14 42	0 45	0 51	1 41	25 42	7 47	10 40	11 0	12 21	5 52	2 3
T 26	15 37	6 53	1s 8	23 11	2 25	27 8	4 32	21 40	0 39	22 22	0 37	4 41	2 17	14 42	0 45	0 51	1 41	25 42	7 47	10 40	11 1	12 22	5 53	2 3
F 27	15 55	2 20	2 18	23 29	2 27	27 6	4 28	21 48	0 40	22 21	0 37	4 43	2 17	14 42	0 45	0 50	1 41	25 43	7 47	10 41	11 2	12 24	5 54	2 3
S 28	16 12	2n29	3 22	23 45	2 28	27 2	4 24	21 56	0 40	22 19	0 37	4 46	2 17	14 42	0 45	0 50	1 41	25 43	7 48	10 43	11 3	12 26	5 55	2 3
S 29	16 29	7 15	4 13	23 58	2 28	26 58	4 19	22 3	0 41	22 18	0 37	4 49	2 18	14 42	0 45	0 49	1 41	25 43	7 48	10 46	11 4	12 27	5 57	2 3
M30	16n46	11n38	4s48	24n10	2n27	26n53	4n14	22n11	0n41	22n17	0n37	4n51	2s18	14n42	0n45	0s49	1n41	25s43	7s48	10n49	11n 5	12s29	5n58	2n 3

Julian Day Number = 2192685.5, Delta T = 10m38s
Ecliptic obliquity = 23°31'45, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'21, Lahiri = 13°58'21 Julian Calendar 1 Apr. 1291 == Greg. Calendar 8 Apr. 1291

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ASTRODIENST EPHEMERIS for the year 1291
geocentric

MAY 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 3 28	17♉13'20	29♉43	9♊17	14°R56	7♊21	22♋29	17♈49	22♌46	5°R54	8♒29	1°R47	1♍ 8	18♏16	10♈20	T 1
W 2	15 7 25	18°11'03	14♊54	10°23	14♊52	8° 2	22°37	17°56	22°46	5♎52	8°R29	1♍36	1° 5	18°23	10°23	W 2
T 3	15 11 21	19° 8'45	29°46	11°24	14°46	8°42	22°46	18° 3	22°47	5°51	8°29	1°28	1° 2	18°30	10°26	T 3
F 4	15 15 18	20° 6'26	14♋13	12°22	14°37	9°22	22°55	18°10	22°47	5°50	8°29	1°22	0°59	18°36	10°29	F 4
S 5	15 19 14	21° 4'05	28°11	13°15	14°26	10° 2	23° 4	18°17	22°48	5°49	8°29	1°18	0°56	18°43	10°32	S 5
S 6	15 23 11	22° 1'42	11♌41	14° 5	14°12	10°43	23°13	18°24	22°48	5°48	8°29	1°16	0°53	18°50	10°35	S 6
M 7	15 27 8	22°59'18	24°44	14°49	13°56	11°23	23°23	18°30	22°49	5°47	8°29	1°16	0°49	18°57	10°38	M 7
T 8	15 31 4	23°56'52	7♍25	15°30	13°38	12° 3	23°32	18°37	22°50	5°46	8°29	1°16	0°46	19° 3	10°41	T 8
W 9	15 35 1	24°54'25	19°48	16° 6	13°18	12°43	23°41	18°44	22°51	5°45	8°29	1°15	0°43	19°10	10°43	W 9
T 10	15 38 57	25°51'56	1♎57	16°38	12°55	13°23	23°51	18°51	22°52	5°44	8°29	1°12	0°40	19°17	10°46	T 10
F 11	15 42 54	26°49'26	13°58	17° 5	12°30	14° 3	24° 1	18°57	22°53	5°43	8°28	1° 7	0°37	19°23	10°49	F 11
S 12	15 46 50	27°46'55	25°53	17°27	12° 3	14°43	24°10	19° 4	22°54	5°43	8°28	0°58	0°34	19°30	10°52	S 12
S 13	15 50 47	28°44'22	7♏45	17°45	11°34	15°23	24°20	19°10	22°55	5°42	8°28	0°47	0°30	19°37	10°54	S 13
M14	15 54 43	29°41'49	19°37	17°58	11° 3	16° 3	24°30	19°17	22°56	5°41	8°28	0°34	0°27	19°44	10°57	M14
T 15	15 58 40	0♊39'14	1♐31	18° 6	10°31	16°43	24°40	19°23	22°57	5°40	8°27	0°20	0°24	19°50	11° 0	T 15
W16	16 2 37	1°36'38	13°27	18°R10	9°57	17°23	24°50	19°30	22°58	5°39	8°27	0° 7	0°21	19°57	11° 2	W16
T 17	16 6 33	2°34'02	25°27	18° 9	9°22	18° 2	25° 1	19°36	22°59	5°39	8°27	29♌54	0°18	20° 4	11° 5	T 17
F 18	16 10 30	3°31'24	7♑32	18° 4	8°46	18°42	25°11	19°42	23° 1	5°38	8°26	29°44	0°14	20°10	11° 7	F 18
S 19	16 14 26	4°28'46	19°45	17°55	8° 9	19°22	25°21	19°48	23° 2	5°37	8°26	29°37	0°11	20°17	11°10	S 19
S 20	16 18 23	5°26'07	2♒ 8	17°41	7°32	20° 2	25°32	19°54	23° 3	5°36	8°25	29°32	0° 8	20°24	11°12	S 20
M21	16 22 19	6°23'28	14°44	17°23	6°54	20°41	25°42	20° 1	23° 5	5°36	8°25	29°30	0° 5	20°31	11°15	M21
T 22	16 26 16	7°20'48	27°37	17° 2	6°16	21°21	25°53	20° 7	23° 6	5°35	8°24	29°D29	0° 2	20°37	11°17	T 22
W23	16 30 12	8°18'07	10♓50	16°38	5°39	22° 1	26° 4	20°13	23° 8	5°35	8°24	29°R29	29♌59	20°44	11°19	W23
T 24	16 34 9	9°15'26	24°27	16°11	5° 2	22°40	26°14	20°19	23° 9	5°34	8°23	29°28	29°55	20°51	11°22	T 24
F 25	16 38 6	10°12'45	8♈30	15°41	4°25	23°20	26°25	20°24	23°11	5°34	8°23	29°26	29°52	20°58	11°24	F 25
S 26	16 42 2	11°10'03	22°58	15°10	3°50	24° 0	26°36	20°30	23°13	5°33	8°22	29°21	29°49	21° 4	11°26	S 26
S 27	16 45 59	12° 7'21	7♉49	14°37	3°15	24°39	26°47	20°36	23°14	5°33	8°22	29°14	29°46	21°11	11°28	S 27
M28	16 49 55	13° 4'38	22°55	14° 3	2°42	25°19	26°58	20°42	23°16	5°32	8°21	29° 5	29°43	21°18	11°30	M28
T 29	16 53 52	14° 1'55	8♊ 9	13°29	2°11	25°58	27°10	20°47	23°18	5°32	8°20	28°55	29°40	21°24	11°32	T 29
W30	16 57 48	14°59'11	23°18	12°56	1°41	26°38	27°21	20°53	23°20	5°32	8°20	28°45	29°36	21°31	11°34	W30
T 31	17 1 45	15♊56'27	8♋13	12♊23	1♊12	27♊17	27♋32	20♈58	23♌22	5♎31	8♒19	28♌36	29♌33	21♏38	11♈36	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	17n 2	15n16	5s 1	24n19	2n25	26n47	4n 9	22n18	0n41	22n15	0n37	4n54	2s18	14n41	0n45	0s48	1n41	25s44	7s48	10n53	11n 7	12s31	5n59	2n 3	T 1
W 2	17 19	17 49	4 53	24 26	2 22	26 41	4 3	22 25	0 42	22 14	0 37	4 56	2 18	14 41	0 45	0 48	1 41	25 44	7 49	10 57	11 8	12 32	6 0	2 3	W 2
T 3	17 35	19 6	4 26	24 31	2 18	26 34	3 56	22 32	0 42	22 12	0 37	4 59	2 18	14 41	0 45	0 48	1 41	25 44	7 49	11 0	11 9	12 34	6 1	2 3	T 3
F 4	17 50	19 6	3 42	24 34	2 14	26 26	3 49	22 39	0 43	22 11	0 37	5 1	2 18	14 41	0 45	0 47	1 41	25 44	7 49	11 2	11 10	12 35	6 3	2 3	F 4
S 5	18 6	17 54	2 46	24 36	2 8	26 17	3 42	22 45	0 43	22 9	0 37	5 4	2 18	14 41	0 45	0 47	1 41	25 45	7 49	11 3	11 11	12 37	6 4	2 3	S 5
S 6	18 21	15 43	1 42	24 35	2 2	26 7	3 33	22 51	0 44	22 8	0 37	5 6	2 18	14 40	0 45	0 46	1 41	25 45	7 50	11 4	11 12	12 39	6 5	2 3	S 6
M 7	18 35	12 47	0 35	24 33	1 54	25 57	3 25	22 57	0 44	22 6	0 37	5 9	2 18	14 40	0 45	0 46	1 41	25 45	7 50	11 4	11 13	12 40	6 6	2 3	M 7
T 8	18 50	9 19	0n32	24 29	1 46	25 46	3 16	23 3	0 45	22 5	0 37	5 11	2 19	14 40	0 45	0 46	1 41	25 46	7 50	11 4	11 14	12 42	6 7	2 3	T 8
W 9	19 4	5 32	1 36	24 24	1 37	25 33	3 6	23 9	0 45	22 3	0 37	5 14	2 19	14 39	0 45	0 45	1 41	25 46	7 51	11 4	11 16	12 44	6 8	2 3	W 9
T 10	19 18	1 35	2 35	24 17	1 26	25 20	2 56	23 14	0 45	22 1	0 37	5 16	2 19	14 39	0 45	0 45	1 40	25 46	7 51	11 5	11 17	12 45	6 9	2 3	T 10
F 11	19 31	2s23	3 25	24 9	1 15	25 7	2 45	23 20	0 46	22 0	0 37	5 18	2 19	14 39	0 45	0 45	1 40	25 47	7 51	11 7	11 18	12 47	6 11	2 3	F 11
S 12	19 44	6 13	4 6	23 59	1 3	24 52	2 34	23 25	0 46	21 58	0 37	5 21	2 19	14 38	0 45	0 44	1 40	25 47	7 51	11 10	11 19	12 48	6 12	2 3	S 12
S 13	19 57	9 48	4 36	23 48	0 51	24 36	2 23	23 30	0 47	21 56	0 37	5 23	2 19	14 38	0 45	0 44	1 40	25 47	7 52	11 14	11 20	12 50	6 13	2 3	S 13
M14	20 10	12 59	4 54	23 36	0 37	24 20	2 10	23 34	0 47	21 54	0 37	5 25	2 19	14 38	0 45	0 44	1 40	25 48	7 52	11 19	11 21	12 52	6 14	2 3	M14
T 15	20 22	15 39	4 59	23 22	0 23	24 3	1 58	23 39	0 47	21 53	0 37	5 28	2 20	14 37	0 45	0 44	1 40	25 48	7 52	11 24	11 22	12 53	6 15	2 3	T 15
W16	20 34	17 40	4 52	23 8	0 8	23 45	1 45	23 43	0 48	21 51	0 37	5 30	2 20	14 37	0 45	0 43	1 40	25 48	7 52	11 28	11 23	12 55	6 16	2 3	W16
T 17	20 45	18 56	4 31	22 52	0s 8	23 27	1 32	23 47	0 48	21 49	0 37	5 32	2 20	14 36	0 44	0 43	1 40	25 49	7 53	11 33	11 25	12 57	6 17	2 3	T 17
F 18	20 56	19 21	3 58	22 35	0 24	23 8	1 18	23 51	0 49	21 47	0 37	5 34	2 20	14 36	0 44	0 43	1 40	25 49	7 53	11 36	11 26	12 58	6 18	2 3	F 18
S 19	21 7	18 53	3 13	22 18	0 41	22 49	1 5	23 55	0 49	21 45	0 37	5 37	2 20	14 35	0 44	0 43	1 40	25 49	7 53	11 39	11 27	13 0	6 19	2 3	S 19
S 20	21 17	17 30	2 19	22 0	0 58	22 29	0 51	23 58	0 49	21 43	0 37	5 39	2 20	14 35	0 44	0 42	1 40	25 50	7 53	11 41	11 28	13 1	6 20	2 3	S 20
M21	21 27	15 15	1 17	21 41	1 15	22 9	0 37	24 2	0 50	21 41	0 37	5 41	2 21	14 34	0 44	0 42	1 40	25 50	7 54	11 42	11 29	13 3	6 21	2 3	M21
T 22	21 37	12 11	0 10	21 22	1 32	21 48	0 23	24 5	0 50	21 39	0 37	5 43	2 21	14 34	0 44	0 42	1 40	25 50	7 54	11 42	11 30	13 5	6 22	2 3	T 22
W23	21 46	8 27	1s 0	21 3	1 49	21 28	0 8	24 8	0 50	21 37	0 37	5 45	2 21	14 33	0 44	0 42	1 40	25 51	7 54	11 42	11 31	13 6	6 23	2 3	W23
T 24	21 55	4 10	2 8	20 43	2 6	21 7	0s 6	24 10	0 51	21 35	0 37	5 47	2 21	14 33	0 44	0 42	1 40	25 51	7 55	11 42	11 32	13 8	6 24	2 3	T 24
F 25	22 4	0n28	3 11	20 24	2 22	20 47	0 20	24 13	0 51	21 33	0 37	5 49	2 21	14 32	0 44	0 41	1 40	25 52	7 55	11 43	11 34	13 9	6 25	2 3	F 25
S 26	22 12	5 12	4 3	20 5	2 38	20 27	0 34	24 15	0 51	21 31	0 37	5 51	2 21	14 32	0 44	0 41	1 40	25 52	7 55	11 44	11 35	13 11	6 25	2 3	S 26
S 27	22 20	9 44	4 41	19 46	2 54	20 7	0 47	24 17	0 52	21 29	0 37	5 53	2 22	14 31	0 44	0 41	1 40	25 52	7 55	11 47	11 36	13 13	6 26	2 3	S 27
M28	22 27	13 44	5 0	19 27	3 8	19 47	1 1	24 19	0 52	21 27	0 37	5 55	2 22	14 30	0 44	0 41	1 40	25 53	7 56	11 50	11 37	13 14	6 27	2 3	M28
T 29	22 34	16 51	4 57	19 10	3 22	19 28	1 14	24 20	0 52	21 25	0 37	5 57	2 22	14 30	0 44	0 41	1 40	25 53	7 56	11 54	11 38	13 16	6 28	2 3	T 29
W30	22 41	18 47	4 34	18 53	3 34	19 10	1 27	24 22	0 53	21 23	0 37	5 59	2 22	14 29	0 44	0 41	1 40	25 54	7 56	11 57	11 39	13 17	6 29	2 3	W30
T 31	22n47	19n24	3s53	18n38	3s46	18n52	1s39	24n23	0n53	21n20	0n37	6n 1	2s22	14n28	0n44	0s41	1n40	25s54	7s56	12n 0	11n40	13s19	6n30	2n 3	T 31

Julian Day Number = 2192715.5, Delta T = 10m38s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'25, Lahiri = 13°58'25 Julian Calendar 1 May 1291 == Greg. Calendar 8 May 1291

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ASTRODIENST EPHEMERIS for the year 1291
geocentric

JUNE 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 5 41	16♊53'43	22♋45	11°R52	0°R46	27♊56	27♋44	21♈ 4	23♌24	5°R31	8°R18	28°R29	29♌30	21♏45	11♈38	F 1
S 2	17 9 38	17°50'57	6♌49	11♊22	0♊22	28°36	27°55	21° 9	23°26	5♎31	8♒18	28♌25	29°27	21°51	11°40	S 2
S 3	17 13 35	18°48'11	20°24	10°56	29♉59	29°15	28° 7	21°14	23°28	5°31	8°17	28°24	29°24	21°58	11°42	S 3
M 4	17 17 31	19°45'24	3♍32	10°32	29°40	29°54	28°18	21°20	23°30	5°30	8°16	28°D24	29°20	22° 5	11°44	M 4
T 5	17 21 28	20°42'36	16°16	10°11	29°22	0♋34	28°30	21°25	23°32	5°30	8°15	28°R24	29°17	22°11	11°46	T 5
W 6	17 25 24	21°39'48	28°39	9°55	29° 7	1°13	28°41	21°30	23°34	5°30	8°14	28°24	29°14	22°18	11°47	W 6
T 7	17 29 21	22°36'59	10♎48	9°42	28°54	1°52	28°53	21°35	23°36	5°30	8°14	28°22	29°11	22°25	11°49	T 7
F 8	17 33 17	23°34'10	22°47	9°34	28°43	2°31	29° 5	21°40	23°39	5°30	8°13	28°18	29° 8	22°32	11°51	F 8
S 9	17 37 14	24°31'20	4♏41	9°D30	28°35	3°11	29°17	21°45	23°41	5°30	8°12	28°12	29° 5	22°38	11°52	S 9
S 10	17 41 10	25°28'30	16°32	9°30	28°29	3°50	29°29	21°49	23°43	5°D30	8°11	28° 4	29° 1	22°45	11°54	S 10
M11	17 45 7	26°25'40	28°25	9°36	28°26	4°29	29°41	21°54	23°46	5°30	8°10	27°53	28°58	22°52	11°55	M11
T 12	17 49 4	27°22'49	10♐21	9°46	28°D25	5° 8	29°53	21°59	23°48	5°30	8° 9	27°42	28°55	22°59	11°57	T 12
W13	17 53 0	28°19'58	22°23	10° 1	28°26	5°47	0♌ 5	22° 3	23°50	5°30	8° 8	27°31	28°52	23° 5	11°58	W13
T 14	17 56 57	29°17'07	4♑32	10°21	28°30	6°26	0°17	22° 8	23°53	5°30	8° 7	27°21	28°49	23°12	11°59	T 14
F 15	18 0 53	0♋14'16	16°48	10°46	28°36	7° 5	0°29	22°12	23°56	5°30	8° 6	27°13	28°46	23°19	12° 1	F 15
S 16	18 4 50	1°11'25	29°13	11°16	28°44	7°44	0°41	22°16	23°58	5°30	8° 5	27° 8	28°42	23°25	12° 2	S 16
S 17	18 8 46	2° 8'34	11♒49	11°51	28°54	8°23	0°54	22°21	24° 1	5°31	8° 4	27° 4	28°39	23°32	12° 3	S 17
M18	18 12 43	3° 5'44	24°36	12°31	29° 6	9° 2	1° 6	22°25	24° 3	5°31	8° 3	27°D 3	28°36	23°39	12° 4	M18
T 19	18 16 39	4° 2'54	7♓38	13°15	29°20	9°41	1°18	22°29	24° 6	5°31	8° 2	27° 3	28°33	23°46	12° 5	T 19
W20	18 20 36	5° 0'04	20°56	14° 4	29°36	10°20	1°31	22°33	24° 9	5°32	8° 1	27° 4	28°30	23°52	12° 6	W20
T 21	18 24 33	5°57'14	4♈32	14°58	29°54	10°59	1°43	22°37	24°12	5°32	8° 0	27°R 5	28°26	23°59	12° 7	T 21
F 22	18 28 29	6°54'25	18°28	15°57	0♊14	11°38	1°56	22°40	24°14	5°32	7°59	27° 5	28°23	24° 6	12° 8	F 22
S 23	18 32 26	7°51'36	2♉44	17° 0	0°36	12°17	2° 8	22°44	24°17	5°33	7°58	27° 2	28°20	24°13	12° 9	S 23
S 24	18 36 22	8°48'48	17°18	18° 7	1° 0	12°56	2°21	22°48	24°20	5°33	7°56	26°58	28°17	24°19	12°10	S 24
M25	18 40 19	9°46'01	2♊ 5	19°19	1°25	13°35	2°33	22°51	24°23	5°34	7°55	26°52	28°14	24°26	12°11	M25
T 26	18 44 15	10°43'14	16°59	20°35	1°51	14°13	2°46	22°55	24°26	5°34	7°54	26°45	28°11	24°33	12°11	T 26
W27	18 48 12	11°40'28	1♋51	21°56	2°20	14°52	2°59	22°58	24°29	5°35	7°53	26°38	28° 7	24°39	12°12	W27
T 28	18 52 8	12°37'42	16°34	23°21	2°49	15°31	3°11	23° 1	24°32	5°35	7°52	26°33	28° 4	24°46	12°13	T 28
F 29	18 56 5	13°34'57	0♌58	24°50	3°20	16°10	3°24	23° 4	24°35	5°36	7°51	26°28	28° 1	24°53	12°13	F 29
S 30	19 0 2	14♋32'11	14♌59	26♊23	3♊53	16♋49	3♌37	23♈ 8	24♌38	5♎37	7♒49	26♌26	27♌58	25♏ 0	12♈14	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n53	18n41	2s57	18n24	3s56	18n34	1s51	24n24	0n53	21n18	0n37	6n 3	2s23	14n28	0n44	0s41	1n40	25s55	7s56	12n 3	11n41	13s20	6n30	2n 3
S 2	22 58	16 50	1 52	18 12	4 4	18 18	2 3	24 25	0 54	21 16	0 37	6 5	2 23	14 27	0 44	0 41	1 39	25 55	7 57	12 4	11 43	13 22	6 31	2 3
S 3	23 3	14 4	0 42	18 1	4 12	18 3	2 14	24 26	0 54	21 13	0 37	6 6	2 23	14 26	0 44	0 41	1 39	25 55	7 57	12 5	11 44	13 24	6 32	2 3
M 4	23 8	10 40	0n27	17 52	4 18	17 48	2 25	24 26	0 54	21 11	0 37	6 8	2 23	14 26	0 44	0 40	1 39	25 56	7 57	12 5	11 45	13 25	6 33	2 3
T 5	23 12	6 53	1 34	17 44	4 22	17 34	2 35	24 26	0 55	21 9	0 37	6 10	2 23	14 25	0 44	0 40	1 39	25 56	7 57	12 4	11 46	13 27	6 33	2 3
W 6	23 16	2 53	2 34	17 39	4 25	17 21	2 45	24 27	0 55	21 6	0 37	6 12	2 24	14 24	0 44	0 40	1 39	25 57	7 58	12 5	11 47	13 28	6 34	2 3
T 7	23 19	1s 8	3 26	17 35	4 27	17 9	2 54	24 26	0 55	21 4	0 37	6 13	2 24	14 23	0 44	0 40	1 39	25 57	7 58	12 5	11 48	13 30	6 35	2 3
F 8	23 22	5 4	4 8	17 34	4 27	16 58	3 3	24 26	0 56	21 2	0 37	6 15	2 24	14 23	0 44	0 40	1 39	25 58	7 58	12 6	11 49	13 32	6 36	2 3
S 9	23 25	8 45	4 38	17 34	4 26	16 49	3 11	24 25	0 56	20 59	0 37	6 17	2 24	14 22	0 44	0 41	1 39	25 58	7 58	12 9	11 50	13 33	6 36	2 3
S 10	23 27	12 6	4 57	17 36	4 24	16 40	3 19	24 25	0 56	20 57	0 37	6 18	2 24	14 21	0 44	0 41	1 39	25 59	7 59	12 12	11 51	13 35	6 37	2 4
M11	23 29	14 57	5 3	17 41	4 21	16 32	3 26	24 24	0 57	20 54	0 37	6 20	2 25	14 20	0 44	0 41	1 39	25 59	7 59	12 15	11 53	13 36	6 37	2 4
T 12	23 30	17 12	4 56	17 47	4 16	16 25	3 33	24 23	0 57	20 52	0 37	6 21	2 25	14 19	0 44	0 41	1 39	25 59	7 59	12 19	11 54	13 38	6 38	2 4
W13	23 31	18 43	4 36	17 54	4 11	16 19	3 40	24 21	0 57	20 49	0 37	6 23	2 25	14 19	0 44	0 41	1 39	26 0	7 59	12 23	11 55	13 39	6 39	2 4
T 14	23 32	19 25	4 3	18 4	4 4	16 14	3 46	24 20	0 58	20 47	0 38	6 24	2 25	14 18	0 44	0 41	1 39	26 0	7 59	12 26	11 56	13 41	6 39	2 4
F 15	23 32	19 12	3 18	18 14	3 57	16 10	3 51	24 18	0 58	20 44	0 38	6 25	2 26	14 17	0 44	0 41	1 39	26 1	8 0	12 29	11 57	13 43	6 40	2 4
S 16	23 31	18 3	2 23	18 27	3 48	16 6	3 56	24 16	0 58	20 41	0 38	6 27	2 26	14 16	0 43	0 41	1 39	26 1	8 0	12 31	11 58	13 44	6 40	2 4
S 17	23 31	16 1	1 21	18 40	3 39	16 4	4 1	24 14	0 58	20 39	0 38	6 28	2 26	14 15	0 43	0 41	1 39	26 2	8 0	12 32	11 59	13 46	6 41	2 4
M18	23 30	13 10	0 13	18 55	3 29	16 2	4 5	24 12	0 59	20 36	0 38	6 30	2 26	14 14	0 43	0 41	1 39	26 2	8 0	12 32	12 0	13 47	6 41	2 4
T 19	23 28	9 37	0s57	19 11	3 19	16 2	4 9	24 9	0 59	20 33	0 38	6 31	2 26	14 13	0 43	0 42	1 39	26 3	8 0	12 32	12 1	13 49	6 42	2 4
W20	23 26	5 31	2 5	19 28	3 8	16 2	4 13	24 7	0 59	20 31	0 38	6 32	2 27	14 12	0 43	0 42	1 39	26 3	8 1	12 32	12 2	13 50	6 42	2 4
T 21	23 24	1 4	3 8	19 45	2 57	16 2	4 16	24 4	0 59	20 28	0 38	6 33	2 27	14 11	0 43	0 42	1 39	26 4	8 1	12 32	12 4	13 52	6 43	2 4
F 22	23 21	3n33	4 1	20 3	2 45	16 4	4 19	24 1	1 0	20 25	0 38	6 34	2 27	14 10	0 43	0 42	1 39	26 4	8 1	12 32	12 5	13 53	6 43	2 4
S 23	23 18	8 4	4 41	20 22	2 32	16 6	4 21	23 57	1 0	20 22	0 38	6 36	2 27	14 9	0 43	0 42	1 38	26 5	8 1	12 33	12 6	13 55	6 43	2 4
S 24	23 14	12 12	5 3	20 41	2 20	16 8	4 23	23 54	1 0	20 20	0 38	6 37	2 28	14 8	0 43	0 43	1 38	26 5	8 1	12 34	12 7	13 57	6 44	2 4
M25	23 10	15 39	5 6	21 0	2 7	16 12	4 25	23 50	1 1	20 17	0 38	6 38	2 28	14 7	0 43	0 43	1 38	26 6	8 1	12 36	12 8	13 58	6 44	2 4
T 26	23 6	18 6	4 49	21 18	1 53	16 15	4 26	23 46	1 1	20 14	0 38	6 39	2 28	14 6	0 43	0 43	1 38	26 6	8 2	12 39	12 9	14 0	6 44	2 4
W27	23 1	19 19	4 12	21 37	1 40	16 20	4 28	23 42	1 1	20 11	0 38	6 40	2 28	14 5	0 43	0 43	1 38	26 7	8 2	12 41	12 10	14 1	6 45	2 4
T 28	22 56	19 13	3 19	21 55	1 27	16 24	4 29	23 38	1 1	20 8	0 38	6 41	2 29	14 4	0 43	0 44	1 38	26 7	8 2	12 43	12 11	14 3	6 45	2 4
F 29	22 50	17 51	2 13	22 12	1 13	16 30	4 29	23 34	1 2	20 5	0 38	6 42	2 29	14 3	0 43	0 44	1 38	26 7	8 2	12 44	12 12	14 4	6 45	2 4
S 30	22n44	15n25	1s 2	22n29	1s 0	16n35	4s30	23n29	1n 2	20n 2	0n38	6n43	2s29	14n 2	0n43	0s44	1n38	26s 8	8s 2	12n45	12n14	14s 6	6n45	2n 4

Julian Day Number = 2192746.5, Delta T = 10m38s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'29, Lahiri = 13°58'29 Julian Calendar 1 June 1291 == Greg. Calendar 8 June 1291

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ASTRODIENST EPHEMERIS for the year 1291
geocentric

JULY 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 3 58	15♋29'26	28♌35	27♊59	4♊27	17♋27	3♌50	23♈10	24♌41	5♎37	7°R48	26°D26	27♌55	25♏ 6	12♈14	S 1
M 2	19 7 55	16°26'42	11♍45	29°40	5° 2	18° 6	4° 3	23°13	24°44	5°38	7♒47	26♌26	27°52	25°13	12°15	M 2
T 3	19 11 51	17°23'57	24°32	1♋24	5°38	18°45	4°15	23°16	24°47	5°39	7°46	26°28	27°48	25°20	12°15	T 3
W 4	19 15 48	18°21'13	6♎59	3°12	6°15	19°23	4°28	23°19	24°51	5°39	7°44	26°29	27°45	25°26	12°15	W 4
T 5	19 19 44	19°18'30	19°10	5° 2	6°54	20° 2	4°41	23°21	24°54	5°40	7°43	26°R30	27°42	25°33	12°15	T 5
F 6	19 23 41	20°15'46	1♏11	6°56	7°34	20°41	4°54	23°24	24°57	5°41	7°42	26°29	27°39	25°40	12°16	F 6
S 7	19 27 37	21°13'03	13° 5	8°52	8°14	21°19	5° 7	23°26	25° 0	5°42	7°41	26°27	27°36	25°47	12°16	S 7
S 8	19 31 34	22°10'21	24°57	10°51	8°56	21°58	5°20	23°29	25° 3	5°43	7°39	26°23	27°32	25°53	12°16	S 8
M 9	19 35 31	23° 7'39	6♐52	12°51	9°39	22°36	5°33	23°31	25° 7	5°44	7°38	26°18	27°29	26° 0	12°R16	M 9
T 10	19 39 27	24° 4'58	18°53	14°53	10°23	23°15	5°46	23°33	25°10	5°45	7°37	26°13	27°26	26° 7	12°16	T 10
W11	19 43 24	25° 2'17	1♑ 1	16°57	11° 7	23°53	5°59	23°35	25°13	5°46	7°35	26° 8	27°23	26°14	12°16	W11
T 12	19 47 20	25°59'37	13°20	19° 2	11°53	24°32	6°12	23°37	25°17	5°47	7°34	26° 3	27°20	26°20	12°16	T 12
F 13	19 51 17	26°56'58	25°50	21° 7	12°39	25°11	6°25	23°39	25°20	5°48	7°33	25°59	27°17	26°27	12°15	F 13
S 14	19 55 13	27°54'19	8♒32	23°13	13°26	25°49	6°38	23°40	25°24	5°49	7°31	25°56	27°13	26°34	12°15	S 14
S 15	19 59 10	28°51'42	21°26	25°18	14°14	26°28	6°51	23°42	25°27	5°50	7°30	25°D55	27°10	26°40	12°15	S 15
M16	20 3 6	29°49'06	4♓33	27°24	15° 3	27° 6	7° 4	23°43	25°31	5°51	7°29	25°55	27° 7	26°47	12°14	M16
T 17	20 7 3	0♌46'30	17°53	29°29	15°52	27°44	7°18	23°45	25°34	5°52	7°27	25°57	27° 4	26°54	12°14	T 17
W18	20 11 0	1°43'56	1♈26	1♌34	16°42	28°23	7°31	23°46	25°38	5°53	7°26	25°58	27° 1	27° 1	12°14	W18
T 19	20 14 56	2°41'23	15°12	3°37	17°33	29° 1	7°44	23°47	25°41	5°54	7°25	25°59	26°58	27° 7	12°13	T 19
F 20	20 18 53	3°38'52	29°10	5°40	18°24	29°40	7°57	23°48	25°45	5°56	7°23	26°R 0	26°54	27°14	12°12	F 20
S 21	20 22 49	4°36'22	13♉20	7°42	19°17	0♌18	8°10	23°49	25°48	5°57	7°22	26° 0	26°51	27°21	12°12	S 21
S 22	20 26 46	5°33'53	27°39	9°42	20° 9	0°57	8°23	23°50	25°52	5°58	7°21	25°59	26°48	27°28	12°11	S 22
M23	20 30 42	6°31'26	12♊ 6	11°41	21° 3	1°35	8°36	23°51	25°55	6° 0	7°19	25°57	26°45	27°34	12°10	M23
T 24	20 34 39	7°29'01	26°34	13°39	21°56	2°13	8°50	23°52	25°59	6° 1	7°18	25°55	26°42	27°41	12°10	T 24
W25	20 38 35	8°26'36	11♋ 0	15°36	22°51	2°52	9° 3	23°52	26° 3	6° 2	7°17	25°52	26°38	27°48	12° 9	W25
T 26	20 42 32	9°24'13	25°18	17°31	23°46	3°30	9°16	23°53	26° 6	6° 4	7°15	25°50	26°35	27°54	12° 8	T 26
F 27	20 46 29	10°21'52	9♌23	19°25	24°41	4° 8	9°29	23°53	26°10	6° 5	7°14	25°49	26°32	28° 1	12° 7	F 27
S 28	20 50 25	11°19'32	23°10	21°17	25°37	4°47	9°42	23°53	26°14	6° 6	7°13	25°D49	26°29	28° 8	12° 6	S 28
S 29	20 54 22	12°17'12	6♍37	23° 8	26°34	5°25	9°55	23°53	26°17	6° 8	7°11	25°49	26°26	28°15	12° 5	S 29
M30	20 58 18	13°14'54	19°43	24°57	27°31	6° 3	10° 9	23°R54	26°21	6° 9	7°10	25°50	26°23	28°21	12° 4	M30
T 31	21 2 15	14♌12'38	2♎29	26♌45	28♊28	6♌42	10♌22	23♈53	26♌25	6♎11	7♒ 9	25♌51	26♌19	28♏28	12♈ 3	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22n38	12n12	0n12	22n44	0s47	16n41	4s30	23n25	1n 2	19n59	0n38	6n43	2s29	14n 1	0n43	0s44	1n38	26s 8	8s 2	12n45	12n15	14s 7	6n46	2n 4
M 2	22 31	8 27	1 22	22 58	0 34	16 48	4 30	23 20	1 2	19 56	0 38	6 44	2 30	14 0	0 43	0 45	1 38	26 9	8 3	12 45	12 16	14 9	6 46	2 5
T 3	22 24	4 25	2 27	23 10	0 21	16 54	4 30	23 15	1 2	19 53	0 38	6 45	2 30	13 59	0 43	0 45	1 38	26 9	8 3	12 44	12 17	14 10	6 46	2 5
W 4	22 16	0 19	3 23	23 21	0 9	17 1	4 29	23 9	1 3	19 50	0 38	6 46	2 30	13 58	0 43	0 45	1 38	26 10	8 3	12 44	12 18	14 12	6 46	2 5
T 5	22 8	3s43	4 8	23 30	0n 4	17 8	4 28	23 4	1 3	19 47	0 38	6 47	2 31	13 57	0 43	0 46	1 38	26 10	8 3	12 44	12 19	14 13	6 46	2 5
F 6	22 0	7 31	4 42	23 36	0 15	17 15	4 27	22 58	1 3	19 44	0 38	6 47	2 31	13 56	0 43	0 46	1 38	26 11	8 3	12 44	12 20	14 15	6 46	2 5
S 7	21 51	11 0	5 3	23 40	0 26	17 23	4 26	22 53	1 3	19 41	0 39	6 48	2 31	13 55	0 43	0 47	1 38	26 11	8 3	12 45	12 21	14 17	6 47	2 5
S 8	21 42	14 3	5 11	23 42	0 37	17 31	4 25	22 47	1 4	19 38	0 39	6 48	2 31	13 54	0 43	0 47	1 38	26 12	8 3	12 46	12 22	14 18	6 47	2 5
M 9	21 32	16 31	5 6	23 41	0 47	17 38	4 23	22 40	1 4	19 35	0 39	6 49	2 32	13 52	0 43	0 47	1 38	26 12	8 4	12 48	12 23	14 20	6 47	2 5
T 10	21 22	18 17	4 48	23 37	0 56	17 46	4 22	22 34	1 4	19 31	0 39	6 50	2 32	13 51	0 43	0 48	1 38	26 13	8 4	12 50	12 25	14 21	6 47	2 5
W11	21 12	19 16	4 16	23 31	1 4	17 54	4 20	22 28	1 4	19 28	0 39	6 50	2 32	13 50	0 43	0 48	1 38	26 13	8 4	12 51	12 26	14 23	6 47	2 5
T 12	21 2	19 21	3 32	23 22	1 12	18 2	4 18	22 21	1 4	19 25	0 39	6 50	2 32	13 49	0 43	0 49	1 38	26 14	8 4	12 53	12 27	14 24	6 47	2 5
F 13	20 51	18 29	2 37	23 10	1 19	18 10	4 16	22 14	1 5	19 22	0 39	6 51	2 33	13 48	0 43	0 49	1 38	26 14	8 4	12 54	12 28	14 26	6 47	2 5
S 14	20 39	16 41	1 34	22 56	1 25	18 18	4 14	22 7	1 5	19 19	0 39	6 51	2 33	13 47	0 43	0 50	1 37	26 15	8 4	12 55	12 29	14 27	6 47	2 5
S 15	20 28	14 1	0 25	22 38	1 31	18 26	4 11	22 0	1 5	19 15	0 39	6 52	2 33	13 45	0 43	0 50	1 37	26 15	8 4	12 56	12 30	14 29	6 47	2 5
M16	20 16	10 36	0s47	22 19	1 35	18 34	4 9	21 53	1 5	19 12	0 39	6 52	2 34	13 44	0 43	0 51	1 37	26 15	8 4	12 55	12 31	14 30	6 46	2 5
T 17	20 4	6 37	1 58	21 57	1 39	18 42	4 6	21 46	1 5	19 9	0 39	6 52	2 34	13 43	0 43	0 51	1 37	26 16	8 4	12 55	12 32	14 32	6 46	2 5
W18	19 51	2 13	3 3	21 33	1 42	18 50	4 3	21 38	1 6	19 6	0 39	6 52	2 34	13 42	0 43	0 52	1 37	26 16	8 5	12 55	12 33	14 33	6 46	2 5
T 19	19 38	2n20	3 59	21 6	1 44	18 57	4 0	21 30	1 6	19 2	0 39	6 53	2 34	13 41	0 43	0 52	1 37	26 17	8 5	12 54	12 34	14 35	6 46	2 5
F 20	19 25	6 50	4 41	20 38	1 46	19 5	3 57	21 22	1 6	18 59	0 39	6 53	2 35	13 39	0 43	0 53	1 37	26 17	8 5	12 54	12 35	14 36	6 46	2 5
S 21	19 11	11 1	5 7	20 8	1 46	19 12	3 54	21 14	1 6	18 56	0 39	6 53	2 35	13 38	0 43	0 53	1 37	26 18	8 5	12 54	12 37	14 38	6 46	2 5
S 22	18 57	14 36	5 15	19 36	1 47	19 20	3 51	21 6	1 6	18 52	0 39	6 53	2 35	13 37	0 43	0 54	1 37	26 18	8 5	12 54	12 38	14 39	6 45	2 5
M23	18 43	17 20	5 2	19 3	1 46	19 27	3 47	20 58	1 7	18 49	0 40	6 53	2 35	13 36	0 43	0 54	1 37	26 19	8 5	12 55	12 39	14 41	6 45	2 5
T 24	18 28	18 58	4 31	18 28	1 45	19 33	3 44	20 49	1 7	18 45	0 40	6 53	2 36	13 35	0 43	0 55	1 37	26 19	8 5	12 56	12 40	14 42	6 45	2 5
W25	18 13	19 22	3 43	17 52	1 43	19 40	3 40	20 41	1 7	18 42	0 40	6 53	2 36	13 33	0 43	0 55	1 37	26 19	8 5	12 57	12 41	14 44	6 45	2 6
T 26	17 58	18 31	2 41	17 15	1 41	19 46	3 37	20 32	1 7	18 39	0 40	6 53	2 36	13 32	0 43	0 56	1 37	26 20	8 5	12 57	12 42	14 45	6 44	2 6
F 27	17 43	16 32	1 30	16 36	1 38	19 52	3 33	20 23	1 7	18 35	0 40	6 53	2 37	13 31	0 43	0 57	1 37	26 20	8 5	12 58	12 43	14 47	6 44	2 6
S 28	17 27	13 37	0 15	15 57	1 35	19 58	3 29	20 14	1 7	18 32	0 40	6 52	2 37	13 30	0 43	0 57	1 37	26 21	8 5	12 58	12 44	14 48	6 44	2 6
S 29	17 11	10 2	0n59	15 18	1 31	20 4	3 25	20 5	1 8	18 28	0 40	6 52	2 37	13 28	0 43	0 58	1 37	26 21	8 5	12 58	12 45	14 50	6 43	2 6
M30	16 54	6 3	2 8	14 37	1 27	20 9	3 22	19 55	1 8	18 25	0 40	6 52	2 37	13 27	0 43	0 58	1 37	26 21	8 5	12 58	12 46	14 51	6 43	2 6
T 31	16n38	1n54	3n 9	13n56	1n22	20n14	3s18	19n46	1n 8	18n21	0n40	6n52	2s38	13n26	0n43	0s59	1n37	26s22	8s 5	12n57	12n47	14s53	6n42	2n 6

Julian Day Number = 2192776.5, Delta T = 10m37s
Ecliptic obliquity = 23°31'44, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'33, Lahiri = 13°58'33 Julian Calendar 1 July 1291 == Greg. Calendar 8 July 1291

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1291
geocentric

AUGUST 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 6 11	15♌10'22	14♎57	28♌31	29♊26	7♌20	10♌35	23°R53	26♌28	6♎12	7°R 7	25♌52	26♌16	28♏35	12°R 2	W 1
T 2	21 10 8	16° 8'08	27°10	0♍16	0♋24	7°58	10°48	23♈53	26°32	6°14	7♒ 6	25°52	26°13	28°41	12♈ 0	T 2
F 3	21 14 4	17° 5'54	9♏12	2° 0	1°23	8°36	11° 1	23°53	26°36	6°16	7° 5	25°53	26°10	28°48	11°59	F 3
S 4	21 18 1	18° 3'42	21° 7	3°42	2°22	9°15	11°14	23°52	26°39	6°17	7° 3	25°R53	26° 7	28°55	11°58	S 4
S 5	21 21 58	19° 1'31	3♐ 1	5°23	3°21	9°53	11°27	23°51	26°43	6°19	7° 2	25°53	26° 3	29° 2	11°56	S 5
M 6	21 25 54	19°59'22	14°57	7° 2	4°21	10°31	11°40	23°51	26°47	6°21	7° 1	25°52	26° 0	29° 8	11°55	M 6
T 7	21 29 51	20°57'14	26°59	8°40	5°21	11° 9	11°53	23°50	26°51	6°22	6°59	25°52	25°57	29°15	11°53	T 7
W 8	21 33 47	21°55'07	9♑13	10°17	6°22	11°48	12° 6	23°49	26°54	6°24	6°58	25°51	25°54	29°22	11°52	W 8
T 9	21 37 44	22°53'01	21°39	11°53	7°23	12°26	12°19	23°48	26°58	6°26	6°57	25°51	25°51	29°29	11°50	T 9
F 10	21 41 40	23°50'57	4♒22	13°27	8°24	13° 4	12°33	23°47	27° 2	6°27	6°55	25°50	25°48	29°35	11°49	F 10
S 11	21 45 37	24°48'55	17°21	14°59	9°25	13°42	12°46	23°46	27° 6	6°29	6°54	25°50	25°44	29°42	11°47	S 11
S 12	21 49 33	25°46'53	0♓37	16°31	10°27	14°20	12°59	23°44	27° 9	6°31	6°53	25°50	25°41	29°49	11°45	S 12
M13	21 53 30	26°44'54	14° 9	18° 1	11°29	14°58	13°11	23°43	27°13	6°33	6°52	25°50	25°38	29°55	11°44	M13
T 14	21 57 27	27°42'56	27°54	19°29	12°32	15°37	13°24	23°41	27°17	6°35	6°50	25°50	25°35	0♐ 2	11°42	T 14
W15	22 1 23	28°41'01	11♈51	20°57	13°35	16°15	13°37	23°40	27°21	6°36	6°49	25°50	25°32	0° 9	11°40	W15
T 16	22 5 20	29°39'07	25°57	22°23	14°38	16°53	13°50	23°38	27°24	6°38	6°48	25°50	25°29	0°16	11°38	T 16
F 17	22 9 16	0♍37'15	10♉ 8	23°48	15°41	17°31	14° 3	23°36	27°28	6°40	6°47	25°49	25°25	0°22	11°36	F 17
S 18	22 13 13	1°35'25	24°22	25°11	16°45	18° 9	14°16	23°34	27°32	6°42	6°46	25°49	25°22	0°29	11°34	S 18
S 19	22 17 9	2°33'37	8♊36	26°33	17°49	18°47	14°29	23°32	27°36	6°44	6°44	25°D49	25°19	0°36	11°32	S 19
M20	22 21 6	3°31'52	22°48	27°53	18°53	19°25	14°42	23°30	27°39	6°46	6°43	25°49	25°16	0°43	11°30	M20
T 21	22 25 2	4°30'08	6♋54	29°12	19°58	20° 4	14°54	23°28	27°43	6°48	6°42	25°50	25°13	0°49	11°28	T 21
W22	22 28 59	5°28'27	20°53	0♎29	21° 3	20°42	15° 7	23°26	27°47	6°50	6°41	25°51	25° 9	0°56	11°26	W22
T 23	22 32 56	6°26'48	4♌43	1°45	22° 8	21°20	15°20	23°23	27°51	6°52	6°40	25°51	25° 6	1° 3	11°24	T 23
F 24	22 36 52	7°25'10	18°21	2°59	23°13	21°58	15°32	23°21	27°54	6°54	6°39	25°52	25° 3	1° 9	11°22	F 24
S 25	22 40 49	8°23'35	1♍46	4°11	24°18	22°36	15°45	23°18	27°58	6°56	6°37	25°R52	25° 0	1°16	11°19	S 25
S 26	22 44 45	9°22'01	14°56	5°21	25°24	23°14	15°58	23°15	28° 2	6°58	6°36	25°51	24°57	1°23	11°17	S 26
M27	22 48 42	10°20'30	27°51	6°30	26°30	23°52	16°10	23°12	28° 5	7° 0	6°35	25°50	24°54	1°30	11°15	M27
T 28	22 52 38	11°19'00	10♎30	7°36	27°36	24°30	16°23	23°10	28° 9	7° 2	6°34	25°48	24°50	1°36	11°13	T 28
W29	22 56 35	12°17'32	22°54	8°41	28°42	25° 8	16°35	23° 7	28°13	7° 4	6°33	25°46	24°47	1°43	11°10	W29
T 30	23 0 31	13°16'05	5♏ 5	9°42	29°49	25°46	16°48	23° 4	28°17	7° 6	6°32	25°43	24°44	1°50	11° 8	T 30
F 31	23 4 28	14♍14'41	17♏ 7	10♎42	0♌56	26♌24	17♌ 0	23♈ 0	28♌20	7♎ 8	6♒31	25♌41	24♌41	1♐56	11♈ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	16n21	2s14	4n 0	13n15	1n17	20n18	3s14	19n36	1n 8	18n18	0n40	6n51	2s38	13n24	0n43	1s 0	1n37	26s22	8s 5	12n57	12n48	14s54	6n42	2n 6
T 2	16 4	6 11	4 38	12 33	1 12	20 22	3 9	19 26	1 8	18 14	0 40	6 51	2 38	13 23	0 43	1 0	1 37	26 23	8 5	12 57	12 50	14 56	6 41	2 6
F 3	15 46	9 49	5 3	11 50	1 6	20 26	3 5	19 17	1 8	18 11	0 40	6 51	2 38	13 22	0 43	1 1	1 37	26 23	8 5	12 56	12 51	14 57	6 41	2 6
S 4	15 28	13 2	5 16	11 8	1 0	20 29	3 1	19 7	1 8	18 7	0 41	6 50	2 39	13 21	0 43	1 2	1 37	26 23	8 5	12 56	12 52	14 58	6 41	2 6
S 5	15 11	15 42	5 14	10 25	0 54	20 32	2 57	18 56	1 9	18 4	0 41	6 50	2 39	13 19	0 43	1 2	1 37	26 24	8 5	12 56	12 53	15 0	6 40	2 6
M 6	14 52	17 43	4 59	9 42	0 48	20 35	2 52	18 46	1 9	18 0	0 41	6 49	2 39	13 18	0 43	1 3	1 37	26 24	8 6	12 57	12 54	15 1	6 39	2 6
T 7	14 34	18 58	4 31	8 59	0 41	20 37	2 48	18 36	1 9	17 56	0 41	6 49	2 40	13 17	0 43	1 4	1 37	26 24	8 6	12 57	12 55	15 3	6 39	2 6
W 8	14 15	19 22	3 51	8 16	0 34	20 39	2 44	18 25	1 9	17 53	0 41	6 48	2 40	13 16	0 43	1 4	1 36	26 25	8 6	12 57	12 56	15 4	6 38	2 6
T 9	13 56	18 51	2 58	7 33	0 27	20 40	2 39	18 15	1 9	17 49	0 41	6 48	2 40	13 14	0 43	1 5	1 36	26 25	8 6	12 57	12 57	15 6	6 38	2 6
F 10	13 37	17 21	1 56	6 50	0 19	20 41	2 35	18 4	1 9	17 46	0 41	6 47	2 40	13 13	0 43	1 6	1 36	26 26	8 6	12 57	12 58	15 7	6 37	2 6
S 11	13 18	14 57	0 47	6 7	0 11	20 42	2 30	17 53	1 9	17 42	0 41	6 46	2 41	13 12	0 43	1 7	1 36	26 26	8 6	12 57	12 59	15 9	6 36	2 6
S 12	12 58	11 43	0s26	5 24	0 4	20 42	2 26	17 42	1 10	17 39	0 41	6 45	2 41	13 10	0 43	1 7	1 36	26 26	8 6	12 57	13 0	15 10	6 36	2 6
M13	12 39	7 48	1 40	4 41	0s 4	20 41	2 21	17 31	1 10	17 35	0 41	6 45	2 41	13 9	0 43	1 8	1 36	26 27	8 6	12 57	13 1	15 12	6 35	2 6
T 14	12 19	3 25	2 49	3 59	0 12	20 40	2 17	17 20	1 10	17 31	0 41	6 44	2 41	13 8	0 43	1 9	1 36	26 27	8 6	12 57	13 2	15 13	6 34	2 6
W15	11 59	1n12	3 48	3 17	0 20	20 39	2 12	17 8	1 10	17 28	0 42	6 43	2 42	13 6	0 43	1 10	1 36	26 27	8 6	12 57	13 4	15 15	6 34	2 6
T 16	11 38	5 47	4 35	2 36	0 29	20 37	2 8	16 57	1 10	17 24	0 42	6 42	2 42	13 5	0 43	1 10	1 36	26 27	8 5	12 58	13 5	15 16	6 33	2 6
F 17	11 18	10 5	5 5	1 54	0 37	20 34	2 3	16 45	1 10	17 20	0 42	6 41	2 42	13 4	0 43	1 11	1 36	26 28	8 5	12 58	13 6	15 17	6 32	2 6
S 18	10 57	13 49	5 17	1 14	0 46	20 31	1 58	16 34	1 10	17 17	0 42	6 40	2 42	13 3	0 43	1 12	1 36	26 28	8 5	12 58	13 7	15 19	6 32	2 6
S 19	10 36	16 44	5 9	0 33	0 54	20 28	1 54	16 22	1 10	17 13	0 42	6 39	2 43	13 1	0 43	1 13	1 36	26 28	8 5	12 58	13 8	15 20	6 31	2 6
M20	10 15	18 38	4 43	0s 7	1 3	20 24	1 49	16 10	1 10	17 9	0 42	6 38	2 43	13 0	0 43	1 13	1 36	26 29	8 5	12 58	13 9	15 22	6 30	2 6
T 21	9 54	19 22	3 59	0 46	1 11	20 19	1 44	15 58	1 11	17 6	0 42	6 37	2 43	12 59	0 43	1 14	1 36	26 29	8 5	12 57	13 10	15 23	6 29	2 6
W22	9 32	18 54	3 2	1 25	1 20	20 14	1 40	15 46	1 11	17 2	0 42	6 36	2 43	12 57	0 43	1 15	1 36	26 29	8 5	12 57	13 11	15 25	6 28	2 6
T 23	9 11	17 18	1 54	2 3	1 28	20 8	1 35	15 34	1 11	16 59	0 42	6 35	2 43	12 56	0 43	1 16	1 36	26 29	8 5	12 57	13 12	15 26	6 27	2 6
F 24	8 49	14 44	0 41	2 40	1 37	20 2	1 31	15 21	1 11	16 55	0 43	6 34	2 44	12 55	0 43	1 17	1 36	26 30	8 5	12 57	13 13	15 27	6 27	2 6
S 25	8 27	11 24	0n33	3 17	1 45	19 56	1 26	15 9	1 11	16 51	0 43	6 33	2 44	12 54	0 43	1 17	1 36	26 30	8 5	12 57	13 14	15 29	6 26	2 6
S 26	8 5	7 33	1 44	3 53	1 54	19 48	1 21	14 56	1 11	16 48	0 43	6 32	2 44	12 52	0 43	1 18	1 36	26 30	8 5	12 57	13 15	15 30	6 25	2 6
M27	7 43	3 25	2 48	4 27	2 2	19 41	1 17	14 44	1 11	16 44	0 43	6 30	2 44	12 51	0 43	1 19	1 36	26 30	8 5	12 57	13 16	15 32	6 24	2 6
T 28	7 21	0s46	3 42	5 1	2 10	19 32	1 12	14 31	1 11	16 40	0 43	6 29	2 45	12 50	0 43	1 20	1 36	26 31	8 5	12 58	13 17	15 33	6 23	2 6
W29	6 58	4 50	4 25	5 34	2 19	19 24	1 8	14 19	1 11	16 37	0 43	6 28	2 45	12 48	0 43	1 21	1 36	26 31	8 5	12 59	13 19	15 35	6 22	2 6
T 30	6 36	8 38	4 55	6 6	2 27	19 14	1 3	14 6	1 11	16 33	0 43	6 27	2 45	12 47	0 43	1 22	1 36	26 31	8 5	13 0	13 20	15 36	6 21	2 6
F 31	6n13	12s 1	5n11	6s37	2s35	19n 4	0s59	13n53	1n11	16n29	0n43	6n25	2s45	12n46	0n43	1s22	1n36	26s31	8s 5	13n 0	13n21	15s37	6n20	2n 6

Julian Day Number = 2192807.5, Delta T = 10m37s
Ecliptic obliquity = 23°31'45, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'37, Lahiri = 13°58'38 Julian Calendar 1 Aug. 1291 == Greg. Calendar 8 Aug. 1291

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ASTRODIENST EPHEMERIS for the year 1291
geocentric

SEPTEMBER 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 8 24	15♍13'18	29♏ 1	11♎39	2♌ 3	27♌ 2	17♌12	22°R57	28♌24	7♎10	6°R30	25°R39	24♌38	2♐ 3	11°R 3	S 1
S 2	23 12 21	16°11'57	10♐54	12°33	3°10	27°41	17°25	22♈54	28°27	7°12	6♒29	25°D38	24°35	2°10	11♈ 1	S 2
M 3	23 16 18	17°10'38	22°49	13°24	4°17	28°19	17°37	22°51	28°31	7°14	6°28	25♌38	24°31	2°17	10°58	M 3
T 4	23 20 14	18° 9'20	4♑51	14°12	5°25	28°57	17°49	22°47	28°35	7°17	6°27	25°39	24°28	2°23	10°56	T 4
W 5	23 24 11	19° 8'05	17° 4	14°56	6°32	29°35	18° 1	22°44	28°38	7°19	6°26	25°40	24°25	2°30	10°53	W 5
T 6	23 28 7	20° 6'51	29°34	15°36	7°40	0♏13	18°13	22°40	28°42	7°21	6°25	25°42	24°22	2°37	10°50	T 6
F 7	23 32 4	21° 5'38	12♒22	16°12	8°48	0°51	18°25	22°36	28°45	7°23	6°25	25°43	24°19	2°44	10°48	F 7
S 8	23 36 0	22° 4'28	25°33	16°44	9°56	1°29	18°37	22°33	28°49	7°25	6°24	25°R44	24°15	2°50	10°45	S 8
S 9	23 39 57	23° 3'19	9♓ 6	17°11	11° 5	2° 7	18°49	22°29	28°53	7°27	6°23	25°43	24°12	2°57	10°43	S 9
M10	23 43 53	24° 2'13	23° 1	17°33	12°13	2°45	19° 1	22°25	28°56	7°29	6°22	25°41	24° 9	3° 4	10°40	M10
T 11	23 47 50	25° 1'08	7♈14	17°49	13°22	3°23	19°13	22°21	28°59	7°32	6°21	25°38	24° 6	3°10	10°37	T 11
W12	23 51 47	26° 0'05	21°40	17°59	14°31	4° 1	19°25	22°17	29° 3	7°34	6°20	25°34	24° 3	3°17	10°35	W12
T 13	23 55 43	26°59'05	6♉14	18°R 2	15°40	4°39	19°36	22°13	29° 6	7°36	6°20	25°29	24° 0	3°24	10°32	T 13
F 14	23 59 40	27°58'07	20°48	17°59	16°49	5°17	19°48	22° 9	29°10	7°38	6°19	25°25	23°56	3°31	10°29	F 14
S 15	0 3 36	28°57'12	5♊17	17°48	17°59	5°55	19°59	22° 5	29°13	7°41	6°18	25°22	23°53	3°37	10°27	S 15
S 16	0 7 33	29°56'19	19°37	17°30	19° 8	6°33	20°11	22° 0	29°17	7°43	6°17	25°20	23°50	3°44	10°24	S 16
M17	0 11 29	0♎55'28	3♋44	17° 4	20°18	7°11	20°22	21°56	29°20	7°45	6°17	25°D19	23°47	3°51	10°21	M17
T 18	0 15 26	1°54'39	17°37	16°30	21°28	7°49	20°34	21°52	29°23	7°47	6°16	25°20	23°44	3°57	10°18	T 18
W19	0 19 22	2°53'53	1♌17	15°48	22°38	8°27	20°45	21°47	29°27	7°49	6°16	25°22	23°40	4° 4	10°15	W19
T 20	0 23 19	3°53'10	14°43	14°59	23°48	9° 5	20°56	21°43	29°30	7°52	6°15	25°23	23°37	4°11	10°13	T 20
F 21	0 27 16	4°52'28	27°56	14° 2	24°58	9°43	21° 7	21°38	29°33	7°54	6°14	25°R23	23°34	4°18	10°10	F 21
S 22	0 31 12	5°51'49	10♍57	13° 0	26° 9	10°21	21°18	21°34	29°36	7°56	6°14	25°22	23°31	4°24	10° 7	S 22
S 23	0 35 9	6°51'12	23°47	11°53	27°19	10°59	21°29	21°29	29°40	7°58	6°13	25°19	23°28	4°31	10° 4	S 23
M24	0 39 5	7°50'37	6♎25	10°42	28°30	11°37	21°40	21°25	29°43	8° 1	6°13	25°14	23°25	4°38	10° 2	M24
T 25	0 43 2	8°50'04	18°52	9°30	29°41	12°14	21°51	21°20	29°46	8° 3	6°12	25° 7	23°21	4°44	9°59	T 25
W26	0 46 58	9°49'33	1♏ 8	8°18	0♏51	12°52	22° 2	21°15	29°49	8° 5	6°12	24°58	23°18	4°51	9°56	W26
T 27	0 50 55	10°49'04	13°14	7° 9	2° 2	13°30	22°12	21°11	29°52	8° 7	6°11	24°49	23°15	4°58	9°53	T 27
F 28	0 54 51	11°48'37	25°13	6° 4	3°14	14° 8	22°23	21° 6	29°55	8°10	6°11	24°41	23°12	5° 5	9°50	F 28
S 29	0 58 48	12°48'12	7♐ 6	5° 5	4°25	14°46	22°34	21° 1	29°58	8°12	6°11	24°34	23° 9	5°11	9°47	S 29
S 30	1 2 44	13♎47'49	18♐56	4♎14	5♏36	15♏24	22♌44	20♈56	0♏ 1	8♎14	6♒10	24♌28	23♌ 6	5♐18	9♈45	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n51	14s54	5n14	7s 7	2s42	18n54	0s54	13n40	1n11	16n26	0n44	6n24	2s45	12n45	0n43	1s23	1n36	26s31	8s 5	13n 1	13n22	15s39	6n19	2n 6
S 2	5 28	17 9	5 4	7 35	2 50	18 43	0 50	13 27	1 12	16 22	0 44	6 22	2 46	12 43	0 43	1 24	1 36	26 32	8 5	13 1	13 23	15 40	6 18	2 6
M 3	5 5	18 40	4 40	8 1	2 57	18 32	0 45	13 14	1 12	16 18	0 44	6 21	2 46	12 42	0 43	1 25	1 36	26 32	8 5	13 1	13 24	15 42	6 17	2 6
T 4	4 42	19 22	4 4	8 26	3 4	18 20	0 41	13 0	1 12	16 15	0 44	6 20	2 46	12 41	0 43	1 26	1 36	26 32	8 4	13 1	13 25	15 43	6 16	2 6
W 5	4 19	19 11	3 17	8 49	3 10	18 7	0 36	12 47	1 12	16 11	0 44	6 18	2 46	12 40	0 43	1 27	1 36	26 32	8 4	13 1	13 26	15 44	6 15	2 6
T 6	3 56	18 3	2 19	9 11	3 16	17 54	0 32	12 34	1 12	16 8	0 44	6 17	2 46	12 38	0 43	1 28	1 36	26 32	8 4	13 0	13 27	15 46	6 14	2 6
F 7	3 33	15 59	1 13	9 30	3 22	17 41	0 28	12 20	1 12	16 4	0 44	6 15	2 46	12 37	0 43	1 28	1 36	26 32	8 4	13 0	13 28	15 47	6 13	2 6
S 8	3 9	13 2	0 1	9 47	3 27	17 27	0 24	12 7	1 12	16 0	0 44	6 14	2 47	12 36	0 43	1 29	1 36	26 33	8 4	12 59	13 29	15 49	6 12	2 6
S 9	2 46	9 18	1s13	10 1	3 31	17 12	0 19	11 53	1 12	15 57	0 45	6 12	2 47	12 35	0 43	1 30	1 36	26 33	8 4	13 0	13 30	15 50	6 11	2 6
M10	2 23	4 59	2 24	10 13	3 35	16 57	0 15	11 39	1 12	15 53	0 45	6 10	2 47	12 34	0 43	1 31	1 36	26 33	8 4	13 0	13 31	15 51	6 10	2 6
T 11	1 59	0 18	3 28	10 22	3 38	16 42	0 11	11 25	1 12	15 50	0 45	6 9	2 47	12 32	0 43	1 32	1 36	26 33	8 4	13 1	13 32	15 53	6 9	2 6
W12	1 36	4n28	4 19	10 28	3 40	16 26	0 7	11 12	1 12	15 46	0 45	6 7	2 47	12 31	0 43	1 33	1 36	26 33	8 4	13 3	13 33	15 54	6 8	2 6
T 13	1 12	9 1	4 54	10 30	3 41	16 9	0 3	10 58	1 12	15 43	0 45	6 6	2 47	12 30	0 43	1 34	1 36	26 33	8 4	13 4	13 34	15 56	6 7	2 6
F 14	0 49	13 1	5 11	10 29	3 41	15 52	0n 1	10 44	1 12	15 39	0 45	6 4	2 47	12 29	0 43	1 35	1 36	26 33	8 4	13 6	13 35	15 57	6 5	2 6
S 15	0 25	16 13	5 7	10 23	3 39	15 35	0 5	10 30	1 12	15 35	0 45	6 2	2 48	12 28	0 43	1 35	1 36	26 33	8 3	13 7	13 37	15 58	6 4	2 6
S 16	0 1	18 24	4 44	10 14	3 37	15 17	0 9	10 16	1 12	15 32	0 46	6 1	2 48	12 26	0 43	1 36	1 36	26 33	8 3	13 8	13 38	16 0	6 3	2 5
M17	0s22	19 24	4 5	10 0	3 32	14 58	0 13	10 2	1 12	15 28	0 46	5 59	2 48	12 25	0 43	1 37	1 36	26 33	8 3	13 8	13 39	16 1	6 2	2 5
T 18	0 46	19 12	3 11	9 41	3 26	14 40	0 16	9 47	1 12	15 25	0 46	5 57	2 48	12 24	0 43	1 38	1 36	26 34	8 3	13 7	13 40	16 3	6 1	2 5
W19	1 9	17 53	2 7	9 18	3 19	14 20	0 20	9 33	1 12	15 22	0 46	5 55	2 48	12 23	0 43	1 39	1 36	26 34	8 3	13 7	13 41	16 4	6 0	2 5
T 20	1 33	15 34	0 58	8 50	3 9	14 1	0 24	9 19	1 12	15 18	0 46	5 54	2 48	12 22	0 43	1 40	1 36	26 34	8 3	13 6	13 42	16 5	5 59	2 5
F 21	1 57	12 27	0n14	8 17	2 58	13 40	0 27	9 4	1 12	15 15	0 46	5 52	2 48	12 21	0 43	1 41	1 36	26 34	8 3	13 6	13 43	16 7	5 57	2 5
S 22	2 20	8 46	1 23	7 40	2 44	13 20	0 31	8 50	1 12	15 11	0 47	5 50	2 48	12 20	0 43	1 42	1 36	26 34	8 3	13 7	13 44	16 8	5 56	2 5
S 23	2 44	4 44	2 28	7 0	2 29	12 59	0 34	8 36	1 12	15 8	0 47	5 48	2 48	12 19	0 43	1 42	1 36	26 34	8 2	13 8	13 45	16 9	5 55	2 5
M24	3 7	0 33	3 23	6 17	2 12	12 38	0 37	8 21	1 12	15 4	0 47	5 47	2 48	12 17	0 43	1 43	1 36	26 34	8 2	13 10	13 46	16 11	5 54	2 5
T 25	3 31	3s35	4 9	5 31	1 54	12 16	0 41	8 7	1 12	15 1	0 47	5 45	2 48	12 16	0 43	1 44	1 36	26 34	8 2	13 12	13 47	16 12	5 53	2 5
W26	3 54	7 31	4 41	4 45	1 35	11 54	0 44	7 52	1 12	14 58	0 47	5 43	2 49	12 15	0 43	1 45	1 36	26 34	8 2	13 15	13 48	16 13	5 52	2 5
T 27	4 18	11 5	5 1	3 59	1 14	11 31	0 47	7 37	1 12	14 54	0 47	5 41	2 49	12 14	0 43	1 46	1 36	26 34	8 2	13 18	13 49	16 15	5 50	2 5
F 28	4 41	14 10	5 7	3 14	0 54	11 8	0 50	7 23	1 12	14 51	0 48	5 39	2 49	12 13	0 43	1 47	1 36	26 34	8 2	13 21	13 50	16 16	5 49	2 5
S 29	5 5	16 39	5 0	2 32	0 33	10 45	0 53	7 8	1 12	14 48	0 48	5 38	2 49	12 12	0 43	1 48	1 36	26 34	8 2	13 23	13 51	16 18	5 48	2 5
S 30	5s28	18s25	4n40	1s53	0s13	10n22	0n56	6n53	1n12	14n45	0n48	5n36	2s49	12n11	0n43	1s49	1n36	26s34	8s 2	13n25	13n52	16s19	5n47	2n 5

Julian Day Number = 2192838.5, Delta T = 10m37s
Ecliptic obliquity = 23°31'45, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'42, Lahiri = 13°58'42 Julian Calendar 1 Sept. 1291 == Greg. Calendar 8 Sept. 1291

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ASTRODIENST EPHEMERIS for the year 1291
geocentric

OCTOBER 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 6 41	14♎47'28	0♉48	3°R33	6♍48	16♍ 2	22♌54	20°R52	0♍ 4	8♎16	6°R10	24°R25	23♌ 2	5♐25	9°R42	M 1
T 2	1 10 38	15°47'08	12°47	3♎ 2	7°59	16°40	23° 4	20♈47	0° 7	8°18	6♒10	24°D24	22°59	5°32	9♈39	T 2
W 3	1 14 34	16°46'51	24°57	2°43	9°11	17°18	23°15	20°42	0°10	8°21	6° 9	24♌24	22°56	5°38	9°36	W 3
T 4	1 18 31	17°46'35	7♒23	2°D34	10°23	17°56	23°25	20°37	0°13	8°23	6° 9	24°25	22°53	5°45	9°33	T 4
F 5	1 22 27	18°46'20	20°10	2°37	11°35	18°34	23°34	20°32	0°15	8°25	6° 9	24°R26	22°50	5°52	9°31	F 5
S 6	1 26 24	19°46'08	3♓23	2°51	12°47	19°12	23°44	20°28	0°18	8°27	6° 9	24°26	22°46	5°58	9°28	S 6
S 7	1 30 20	20°45'57	17° 3	3°15	13°59	19°50	23°54	20°23	0°21	8°30	6° 8	24°23	22°43	6° 5	9°25	S 7
M 8	1 34 17	21°45'48	1♈10	3°48	15°11	20°28	24° 4	20°18	0°24	8°32	6° 8	24°19	22°40	6°12	9°22	M 8
T 9	1 38 13	22°45'40	15°42	4°31	16°23	21° 6	24°13	20°13	0°26	8°34	6° 8	24°12	22°37	6°19	9°20	T 9
W10	1 42 10	23°45'35	0♉32	5°21	17°35	21°44	24°22	20° 8	0°29	8°36	6° 8	24° 3	22°34	6°25	9°17	W10
T 11	1 46 7	24°45'32	15°33	6°19	18°48	22°22	24°32	20° 4	0°31	8°38	6° 8	23°54	22°31	6°32	9°14	T 11
F 12	1 50 3	25°45'31	0♊34	7°23	20° 0	22°59	24°41	19°59	0°34	8°40	6° 8	23°44	22°27	6°39	9°12	F 12
S 13	1 54 0	26°45'32	15°26	8°32	21°13	23°37	24°50	19°54	0°37	8°43	6°D 8	23°37	22°24	6°45	9° 9	S 13
S 14	1 57 56	27°45'35	0♋ 2	9°46	22°26	24°15	24°59	19°49	0°39	8°45	6° 8	23°31	22°21	6°52	9° 6	S 14
M15	2 1 53	28°45'40	14°17	11° 5	23°39	24°53	25° 8	19°44	0°41	8°47	6° 8	23°28	22°18	6°59	9° 4	M15
T 16	2 5 49	29°45'48	28°11	12°26	24°51	25°31	25°17	19°40	0°44	8°49	6° 8	23°D27	22°15	7° 6	9° 1	T 16
W17	2 9 46	0♏45'58	11♌43	13°51	26° 4	26° 9	25°25	19°35	0°46	8°51	6° 8	23°28	22°12	7°12	8°59	W17
T 18	2 13 42	1°46'09	24°56	15°18	27°17	26°47	25°34	19°30	0°48	8°53	6° 8	23°R28	22° 8	7°19	8°56	T 18
F 19	2 17 39	2°46'23	7♍52	16°47	28°31	27°25	25°42	19°26	0°51	8°55	6° 9	23°27	22° 5	7°26	8°54	F 19
S 20	2 21 36	3°46'39	20°35	18°18	29°44	28° 3	25°50	19°21	0°53	8°57	6° 9	23°24	22° 2	7°32	8°51	S 20
S 21	2 25 32	4°46'57	3♎ 6	19°50	0♎57	28°41	25°58	19°17	0°55	8°59	6° 9	23°18	21°59	7°39	8°49	S 21
M22	2 29 29	5°47'16	15°27	21°24	2°10	29°19	26° 6	19°12	0°57	9° 2	6° 9	23° 9	21°56	7°46	8°46	M22
T 23	2 33 25	6°47'38	27°41	22°58	3°24	29°56	26°14	19° 7	0°59	9° 4	6° 9	22°57	21°52	7°53	8°44	T 23
W24	2 37 22	7°48'01	9♏47	24°33	4°37	0♎34	26°22	19° 3	1° 1	9° 6	6°10	22°44	21°49	7°59	8°41	W24
T 25	2 41 18	8°48'26	21°47	26° 8	5°51	1°12	26°30	18°59	1° 3	9° 8	6°10	22°29	21°46	8° 6	8°39	T 25
F 26	2 45 15	9°48'53	3♐41	27°43	7° 4	1°50	26°37	18°54	1° 5	9°10	6°10	22°15	21°43	8°13	8°37	F 26
S 27	2 49 11	10°49'22	15°32	29°19	8°18	2°28	26°44	18°50	1° 7	9°12	6°11	22° 3	21°40	8°19	8°34	S 27
S 28	2 53 8	11°49'51	27°22	0♏55	9°32	3° 6	26°52	18°46	1° 9	9°14	6°11	21°53	21°37	8°26	8°32	S 28
M29	2 57 5	12°50'23	9♑13	2°31	10°46	3°44	26°59	18°42	1°10	9°16	6°12	21°46	21°33	8°33	8°30	M29
T 30	3 1 1	13°50'55	21°10	4° 7	11°59	4°22	27° 5	18°37	1°12	9°17	6°12	21°42	21°30	8°40	8°28	T 30
W31	3 4 58	14♏51'29	3♒16	5♏43	13♎13	5♎ 0	27♌12	18♈33	1♍14	9♎19	6♒13	21♌40	21♌27	8♐46	8♈26	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5s51	19s24	4n 8	1s19	0n 6	9n58	0n59	6n38	1n12	14n41	0n48	5n34	2s49	12n10	0n44	1s49	1n36	26s34	8s 1	13n26	13n53	16s20	5n46	2n 4
T 2	6 14	19 31	3 25	0 50	0 25	9 34	1 2	6 24	1 12	14 38	0 48	5 32	2 49	12 9	0 44	1 50	1 36	26 33	8 1	13 26	13 54	16 22	5 45	2 4
W 3	6 37	18 44	2 32	0 27	0 42	9 9	1 5	6 9	1 12	14 35	0 48	5 30	2 49	12 8	0 44	1 51	1 36	26 33	8 1	13 26	13 55	16 23	5 43	2 4
T 4	7 0	17 2	1 30	0 9	0 57	8 44	1 7	5 54	1 12	14 32	0 49	5 29	2 49	12 7	0 44	1 52	1 36	26 33	8 1	13 26	13 56	16 24	5 42	2 4
F 5	7 23	14 27	0 23	0n 3	1 11	8 19	1 10	5 39	1 12	14 29	0 49	5 27	2 49	12 6	0 44	1 53	1 36	26 33	8 1	13 26	13 57	16 26	5 41	2 4
S 6	7 46	11 3	0s48	0 9	1 24	7 54	1 12	5 24	1 12	14 26	0 49	5 25	2 49	12 5	0 44	1 54	1 36	26 33	8 1	13 26	13 59	16 27	5 40	2 4
S 7	8 8	6 57	1 58	0 9	1 35	7 28	1 15	5 9	1 12	14 23	0 49	5 23	2 49	12 4	0 44	1 55	1 36	26 33	8 1	13 26	14 0	16 28	5 39	2 4
M 8	8 31	2 20	3 3	0 4	1 44	7 2	1 17	4 54	1 12	14 20	0 49	5 21	2 49	12 3	0 44	1 55	1 36	26 33	8 0	13 28	14 1	16 30	5 37	2 4
T 9	8 53	2n32	3 58	0s 6	1 51	6 36	1 19	4 39	1 12	14 17	0 50	5 20	2 49	12 2	0 44	1 56	1 36	26 33	8 0	13 30	14 2	16 31	5 36	2 4
W10	9 15	7 21	4 39	0 20	1 57	6 10	1 21	4 24	1 12	14 14	0 50	5 18	2 49	12 2	0 44	1 57	1 36	26 33	8 0	13 33	14 3	16 32	5 35	2 4
T 11	9 37	11 46	5 0	0 39	2 2	5 43	1 23	4 9	1 12	14 11	0 50	5 16	2 49	12 1	0 44	1 58	1 36	26 33	8 0	13 36	14 4	16 34	5 34	2 4
F 12	9 59	15 26	5 2	1 1	2 5	5 17	1 25	3 54	1 12	14 8	0 50	5 14	2 49	12 0	0 44	1 59	1 36	26 32	8 0	13 39	14 5	16 35	5 33	2 3
S 13	10 21	18 3	4 42	1 27	2 8	4 50	1 27	3 39	1 12	14 5	0 50	5 12	2 49	11 59	0 44	2 0	1 36	26 32	8 0	13 42	14 6	16 36	5 32	2 3
S 14	10 43	19 27	4 5	1 55	2 9	4 22	1 29	3 24	1 12	14 2	0 51	5 11	2 49	11 58	0 44	2 1	1 36	26 32	7 59	13 44	14 7	16 38	5 31	2 3
M15	11 4	19 34	3 13	2 25	2 9	3 55	1 31	3 8	1 12	13 59	0 51	5 9	2 49	11 57	0 44	2 1	1 36	26 32	7 59	13 45	14 8	16 39	5 29	2 3
T 16	11 26	18 29	2 10	2 58	2 8	3 28	1 32	2 53	1 12	13 57	0 51	5 7	2 48	11 56	0 44	2 2	1 36	26 32	7 59	13 45	14 9	16 40	5 28	2 3
W17	11 47	16 21	1 2	3 32	2 7	3 0	1 34	2 38	1 12	13 54	0 51	5 6	2 48	11 56	0 44	2 3	1 36	26 32	7 59	13 45	14 10	16 41	5 27	2 3
T 18	12 8	13 23	0n 8	4 8	2 4	2 32	1 35	2 23	1 12	13 51	0 51	5 4	2 48	11 55	0 44	2 4	1 36	26 31	7 59	13 45	14 11	16 43	5 26	2 3
F 19	12 29	9 49	1 16	4 45	2 2	2 4	1 37	2 8	1 12	13 49	0 52	5 2	2 48	11 54	0 44	2 5	1 36	26 31	7 59	13 45	14 12	16 44	5 25	2 3
S 20	12 49	5 52	2 19	5 23	1 58	1 36	1 38	1 53	1 12	13 46	0 52	5 1	2 48	11 53	0 44	2 5	1 36	26 31	7 59	13 46	14 13	16 45	5 24	2 2
S 21	13 10	1 43	3 14	6 2	1 54	1 8	1 39	1 37	1 12	13 43	0 52	4 59	2 48	11 53	0 44	2 6	1 36	26 31	7 58	13 48	14 14	16 47	5 23	2 2
M22	13 30	2s26	3 59	6 41	1 50	0 40	1 40	1 22	1 12	13 41	0 52	4 57	2 48	11 52	0 44	2 7	1 36	26 31	7 58	13 51	14 15	16 48	5 22	2 2
T 23	13 50	6 27	4 32	7 20	1 45	0 11	1 41	1 7	1 12	13 38	0 52	4 56	2 48	11 51	0 44	2 8	1 36	26 30	7 58	13 55	14 16	16 49	5 21	2 2
W24	14 10	10 10	4 53	8 0	1 40	0s17	1 42	0 52	1 11	13 36	0 53	4 54	2 48	11 51	0 44	2 8	1 36	26 30	7 58	13 59	14 17	16 51	5 20	2 2
T 25	14 29	13 27	5 0	8 40	1 34	0 45	1 43	0 37	1 11	13 34	0 53	4 53	2 48	11 50	0 44	2 9	1 36	26 30	7 58	14 4	14 18	16 52	5 18	2 2
F 26	14 49	16 9	4 54	9 20	1 28	1 14	1 44	0 21	1 11	13 31	0 53	4 51	2 47	11 49	0 44	2 10	1 36	26 30	7 58	14 9	14 19	16 53	5 17	2 2
S 27	15 8	18 10	4 36	9 59	1 23	1 42	1 44	0 6	1 11	13 29	0 53	4 50	2 47	11 49	0 44	2 11	1 36	26 30	7 58	14 13	14 20	16 54	5 16	2 2
S 28	15 26	19 25	4 5	10 39	1 16	2 11	1 45	0s 9	1 11	13 27	0 54	4 48	2 47	11 48	0 44	2 12	1 37	26 29	7 57	14 16	14 21	16 56	5 15	2 1
M29	15 45	19 49	3 24	11 18	1 10	2 40	1 45	0 24	1 11	13 24	0 54	4 47	2 47	11 47	0 45	2 12	1 37	26 29	7 57	14 18	14 22	16 57	5 14	2 1
T 30	16 3	19 20	2 34	11 57	1 4	3 8	1 46	0 39	1 11	13 22	0 54	4 45	2 47	11 47	0 45	2 13	1 37	26 29	7 57	14 20	14 23	16 58	5 13	2 1
W31	16s21	17s57	1n36	12s35	0n57	3s37	1n46	0s54	1n11	13n20	0n54	4n44	2s47	11n46	0n45	2s14	1n37	26s28	7s57	14n20	14n24	17s 0	5n12	2n 1

Julian Day Number = 2192868.5, Delta T = 10m37s
Ecliptic obliquity = 23°31'45, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'46, Lahiri = 13°58'46 Julian Calendar 1 Oct. 1291 == Greg. Calendar 8 Oct. 1291

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ASTRODIENST EPHEMERIS for the year 1291
geocentric

NOVEMBER 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 8 54	15♏52'04	15♒37	7♏19	14♎27	5♎37	27♌19	18°R29	1♍15	9♎21	6♒13	21°R39	21♌24	8♐53	8°R24	T 1
F 2	3 12 51	16°52'41	28°18	8°55	15°41	6°15	27°25	18♈25	1°17	9°23	6°14	21♌39	21°21	9° 0	8♈22	F 2
S 3	3 16 47	17°53'18	11♓24	10°31	16°55	6°53	27°32	18°21	1°18	9°25	6°14	21°38	21°17	9° 7	8°20	S 3
S 4	3 20 44	18°53'57	24°59	12° 7	18° 9	7°31	27°38	18°18	1°20	9°27	6°15	21°35	21°14	9°13	8°18	S 4
M 5	3 24 40	19°54'37	9♈ 4	13°42	19°24	8° 9	27°44	18°14	1°21	9°29	6°15	21°30	21°11	9°20	8°16	M 5
T 6	3 28 37	20°55'18	23°39	15°18	20°38	8°47	27°50	18°10	1°23	9°30	6°16	21°21	21° 8	9°27	8°14	T 6
W 7	3 32 34	21°56'01	8♉38	16°53	21°52	9°24	27°55	18° 7	1°24	9°32	6°17	21°11	21° 5	9°33	8°12	W 7
T 8	3 36 30	22°56'44	23°53	18°28	23° 6	10° 2	28° 1	18° 3	1°25	9°34	6°17	20°59	21° 2	9°40	8°10	T 8
F 9	3 40 27	23°57'29	9♊13	20° 3	24°20	10°40	28° 6	18° 0	1°26	9°36	6°18	20°48	20°58	9°47	8° 8	F 9
S 10	3 44 23	24°58'16	24°25	21°37	25°35	11°18	28°11	17°56	1°28	9°37	6°19	20°38	20°55	9°54	8° 7	S 10
S 11	3 48 20	25°59'04	9♋21	23°12	26°49	11°56	28°16	17°53	1°29	9°39	6°20	20°30	20°52	10° 0	8° 5	S 11
M12	3 52 16	26°59'53	23°53	24°47	28° 4	12°34	28°21	17°50	1°30	9°41	6°21	20°26	20°49	10° 7	8° 3	M12
T 13	3 56 13	28° 0'44	7♌58	26°21	29°18	13°11	28°26	17°47	1°31	9°42	6°21	20°24	20°46	10°14	8° 2	T 13
W14	4 0 9	29° 1'36	21°35	27°56	0♏33	13°49	28°31	17°44	1°32	9°44	6°22	20°24	20°43	10°20	8° 0	W14
T 15	4 4 6	0♐ 2'30	4♍48	29°30	1°47	14°27	28°35	17°41	1°32	9°46	6°23	20°24	20°39	10°27	7°59	T 15
F 16	4 8 3	1° 3'25	17°39	1♐ 4	3° 2	15° 5	28°39	17°38	1°33	9°47	6°24	20°23	20°36	10°34	7°57	F 16
S 17	4 11 59	2° 4'21	0♎12	2°38	4°16	15°43	28°43	17°35	1°34	9°49	6°25	20°20	20°33	10°41	7°56	S 17
S 18	4 15 56	3° 5'19	12°32	4°13	5°31	16°20	28°47	17°33	1°35	9°50	6°26	20°14	20°30	10°47	7°55	S 18
M19	4 19 52	4° 6'18	24°42	5°47	6°46	16°58	28°51	17°30	1°35	9°52	6°27	20° 5	20°27	10°54	7°53	M19
T 20	4 23 49	5° 7'18	6♏45	7°21	8° 0	17°36	28°54	17°28	1°36	9°53	6°28	19°53	20°23	11° 1	7°52	T 20
W21	4 27 45	6° 8'19	18°43	8°55	9°15	18°14	28°57	17°25	1°36	9°55	6°29	19°40	20°20	11° 7	7°51	W21
T 22	4 31 42	7° 9'21	0♐37	10°30	10°30	18°51	29° 1	17°23	1°37	9°56	6°30	19°26	20°17	11°14	7°50	T 22
F 23	4 35 38	8°10'24	12°29	12° 4	11°45	19°29	29° 4	17°21	1°37	9°57	6°31	19°12	20°14	11°21	7°49	F 23
S 24	4 39 35	9°11'28	24°20	13°39	13° 0	20° 7	29° 6	17°19	1°38	9°59	6°32	18°59	20°11	11°28	7°48	S 24
S 25	4 43 32	10°12'33	6♑11	15°13	14°14	20°45	29° 9	17°17	1°38	10° 0	6°33	18°49	20° 8	11°34	7°47	S 25
M26	4 47 28	11°13'38	18° 6	16°48	15°29	21°22	29°11	17°15	1°38	10° 1	6°34	18°42	20° 4	11°41	7°46	M26
T 27	4 51 25	12°14'44	0♒ 5	18°22	16°44	22° 0	29°14	17°13	1°38	10° 3	6°36	18°37	20° 1	11°48	7°45	T 27
W28	4 55 21	13°15'50	12°13	19°57	17°59	22°38	29°16	17°12	1°39	10° 4	6°37	18°35	19°58	11°54	7°44	W28
T 29	4 59 18	14°16'57	24°34	21°32	19°14	23°15	29°17	17°10	1°39	10° 5	6°38	18°D35	19°55	12° 1	7°43	T 29
F 30	5 3 14	15♐18'04	7♓11	23♐ 7	20♏29	23♎53	29♌19	17♈ 9	1°R39	10♎ 6	6♒39	18♌36	19♌52	12♐ 8	7♈43	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s39	15s42	0n32	13s13	0n50	4s 5	1n46	1s10	1n11	13n18	0n55	4n42	2s47	11n46	0n45	2s14	1n37	26s28	7s57	14n20	14n25	17s 1	5n11	2n 1
F 2	16 56	12 40	0s35	13 50	0 44	4 33	1 47	1 25	1 11	13 16	0 55	4 41	2 46	11 45	0 45	2 15	1 37	26 28	7 57	14 20	14 26	17 2	5 10	2 1
S 3	17 14	8 54	1 42	14 27	0 37	5 2	1 47	1 40	1 10	13 14	0 55	4 40	2 46	11 45	0 45	2 16	1 37	26 28	7 56	14 21	14 27	17 3	5 10	2 1
S 4	17 30	4 33	2 46	15 3	0 30	5 30	1 47	1 55	1 10	13 12	0 55	4 38	2 46	11 44	0 45	2 16	1 37	26 27	7 56	14 22	14 28	17 5	5 9	2 0
M 5	17 47	0n12	3 42	15 38	0 23	5 58	1 47	2 10	1 10	13 10	0 55	4 37	2 46	11 44	0 45	2 17	1 37	26 27	7 56	14 23	14 29	17 6	5 8	2 0
T 6	18 3	5 5	4 26	16 13	0 17	6 27	1 46	2 25	1 10	13 9	0 56	4 36	2 46	11 43	0 45	2 18	1 37	26 27	7 56	14 26	14 30	17 7	5 7	2 0
W 7	18 19	9 48	4 53	16 47	0 10	6 55	1 46	2 40	1 10	13 7	0 56	4 35	2 45	11 43	0 45	2 19	1 37	26 26	7 56	14 30	14 32	17 8	5 6	2 0
T 8	18 35	13 58	5 0	17 20	0 3	7 22	1 46	2 55	1 10	13 5	0 56	4 34	2 45	11 43	0 45	2 19	1 37	26 26	7 56	14 33	14 33	17 10	5 5	2 0
F 9	18 50	17 13	4 45	17 53	0s 4	7 50	1 45	3 10	1 10	13 4	0 56	4 33	2 45	11 42	0 45	2 20	1 37	26 26	7 56	14 37	14 34	17 11	5 4	2 0
S 10	19 5	19 15	4 10	18 24	0 10	8 18	1 45	3 25	1 10	13 2	0 57	4 31	2 45	11 42	0 45	2 20	1 37	26 25	7 55	14 40	14 35	17 12	5 3	2 0
S 11	19 19	19 54	3 18	18 55	0 17	8 45	1 44	3 40	1 9	13 0	0 57	4 30	2 45	11 41	0 45	2 21	1 37	26 25	7 55	14 42	14 36	17 13	5 3	1 59
M12	19 34	19 11	2 15	19 25	0 24	9 13	1 44	3 55	1 9	12 59	0 57	4 29	2 44	11 41	0 45	2 22	1 37	26 25	7 55	14 44	14 37	17 15	5 2	1 59
T 13	19 47	17 18	1 5	19 54	0 30	9 40	1 43	4 10	1 9	12 58	0 57	4 28	2 44	11 41	0 45	2 22	1 37	26 24	7 55	14 45	14 38	17 16	5 1	1 59
W14	20 1	14 28	0n 6	20 22	0 36	10 7	1 42	4 25	1 9	12 56	0 58	4 27	2 44	11 41	0 45	2 23	1 37	26 24	7 55	14 45	14 39	17 17	5 0	1 59
T 15	20 14	10 57	1 15	20 49	0 43	10 33	1 41	4 40	1 9	12 55	0 58	4 27	2 44	11 40	0 45	2 23	1 37	26 24	7 55	14 45	14 40	17 18	5 0	1 59
F 16	20 27	7 2	2 19	21 15	0 49	11 0	1 41	4 54	1 9	12 54	0 58	4 26	2 44	11 40	0 45	2 24	1 37	26 23	7 55	14 45	14 41	17 20	4 59	1 59
S 17	20 39	2 53	3 14	21 40	0 55	11 26	1 40	5 9	1 9	12 53	0 58	4 25	2 43	11 40	0 45	2 25	1 37	26 23	7 55	14 46	14 42	17 21	4 58	1 58
S 18	20 51	1s18	3 59	22 4	1 1	11 52	1 38	5 24	1 8	12 51	0 59	4 24	2 43	11 40	0 45	2 25	1 37	26 23	7 54	14 48	14 43	17 22	4 57	1 58
M19	21 3	5 23	4 32	22 27	1 6	12 17	1 37	5 38	1 8	12 50	0 59	4 23	2 43	11 39	0 45	2 26	1 37	26 22	7 54	14 51	14 44	17 23	4 57	1 58
T 20	21 14	9 12	4 53	22 48	1 12	12 43	1 36	5 53	1 8	12 49	0 59	4 23	2 43	11 39	0 45	2 26	1 37	26 22	7 54	14 54	14 45	17 24	4 56	1 58
W21	21 25	12 38	5 0	23 9	1 17	13 8	1 35	6 8	1 8	12 49	1 0	4 22	2 42	11 39	0 46	2 27	1 38	26 21	7 54	14 58	14 46	17 26	4 56	1 58
T 22	21 35	15 33	4 55	23 28	1 23	13 33	1 34	6 22	1 8	12 48	1 0	4 21	2 42	11 39	0 46	2 27	1 38	26 21	7 54	15 3	14 47	17 27	4 55	1 58
F 23	21 45	17 48	4 37	23 46	1 28	13 57	1 32	6 37	1 7	12 47	1 0	4 21	2 42	11 39	0 46	2 28	1 38	26 21	7 54	15 7	14 48	17 28	4 54	1 57
S 24	21 55	19 18	4 6	24 3	1 33	14 21	1 31	6 51	1 7	12 46	1 0	4 20	2 42	11 39	0 46	2 28	1 38	26 20	7 54	15 11	14 49	17 29	4 54	1 57
S 25	22 4	19 58	3 25	24 19	1 37	14 45	1 29	7 6	1 7	12 46	1 1	4 20	2 41	11 39	0 46	2 29	1 38	26 20	7 54	15 14	14 50	17 30	4 53	1 57
M26	22 13	19 45	2 35	24 33	1 42	15 9	1 28	7 20	1 7	12 45	1 1	4 19	2 41	11 39	0 46	2 29	1 38	26 19	7 53	15 17	14 51	17 32	4 53	1 57
T 27	22 21	18 38	1 37	24 46	1 46	15 32	1 26	7 34	1 7	12 44	1 1	4 19	2 41	11 39	0 46	2 30	1 38	26 19	7 53	15 18	14 52	17 33	4 52	1 57
W28	22 29	16 39	0 34	24 58	1 50	15 54	1 24	7 48	1 6	12 44	1 1	4 18	2 40	11 39	0 46	2 30	1 38	26 19	7 53	15 19	14 53	17 34	4 52	1 57
T 29	22 36	13 53	0s32	25 9	1 53	16 17	1 23	8 3	1 6	12 44	1 2	4 18	2 40	11 39	0 46	2 31	1 38	26 18	7 53	15 19	14 54	17 35	4 51	1 56
F 30	22s43	10s25	1s38	25s18	1s57	16s38	1n21	8s17	1n 6	12n43	1n 2	4n18	2s40	11n39	0n46	2s31	1n38	26s18	7s53	15n18	14n55	17s36	4n51	1n56

Julian Day Number = 2192899.5, Delta T = 10m37s
Ecliptic obliquity = 23°31'45, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'50, Lahiri = 13°58'50 Julian Calendar 1 Nov. 1291 == Greg. Calendar 8 Nov. 1291

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ASTRODIENST EPHEMERIS for the year 1291
geocentric

DECEMBER 1291 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 7 11	16♐19'11	20♓11	24♐42	21♏44	24♎31	29♌20	17°R 7	1°R39	10♎ 8	6♒40	18°R36	19♌49	12♐15	7°R42	S 1
S 2	5 11 7	17°20'19	3♈36	26°17	22°59	25° 8	29°22	17♈ 6	1♍39	10° 9	6°42	18♌35	19°45	12°21	7♈41	S 2
M 3	5 15 4	18°21'27	17°29	27°53	24°14	25°46	29°23	17° 5	1°38	10°10	6°43	18°31	19°42	12°28	7°41	M 3
T 4	5 19 1	19°22'35	1♉52	29°28	25°29	26°24	29°24	17° 4	1°38	10°11	6°44	18°25	19°39	12°35	7°40	T 4
W 5	5 22 57	20°23'43	16°41	1♊ 3	26°44	27° 1	29°24	17° 3	1°38	10°12	6°46	18°18	19°36	12°41	7°40	W 5
T 6	5 26 54	21°24'51	1♋50	2°39	27°59	27°39	29°25	17° 2	1°38	10°13	6°47	18° 9	19°33	12°48	7°40	T 6
F 7	5 30 50	22°26'00	17°10	4°14	29°14	28°16	29°25	17° 2	1°37	10°14	6°48	18° 0	19°29	12°55	7°39	F 7
S 8	5 34 47	23°27'09	2♌29	5°49	0♐29	28°54	29°R25	17° 1	1°37	10°15	6°50	17°52	19°26	13° 2	7°39	S 8
S 9	5 38 43	24°28'18	17°35	7°24	1°44	29°31	29°25	17° 1	1°36	10°16	6°51	17°46	19°23	13° 8	7°39	S 9
M10	5 42 40	25°29'28	2♍20	8°59	2°59	0♏ 9	29°25	17° 0	1°36	10°17	6°52	17°43	19°20	13°15	7°39	M10
T 11	5 46 37	26°30'38	16°39	10°33	4°14	0°47	29°24	17° 0	1°35	10°17	6°54	17°D42	19°17	13°22	7°39	T 11
W12	5 50 33	27°31'49	0♎28	12° 7	5°29	1°24	29°24	17°D 0	1°35	10°18	6°55	17°42	19°14	13°28	7°D39	W12
T 13	5 54 30	28°32'59	13°50	13°40	6°44	2° 2	29°23	17° 0	1°34	10°19	6°57	17°43	19°10	13°35	7°39	T 13
F 14	5 58 26	29°34'11	26°46	15°13	7°59	2°39	29°22	17° 0	1°33	10°20	6°58	17°R44	19° 7	13°42	7°39	F 14
S 15	6 2 23	0♑35'22	9♎21	16°44	9°14	3°17	29°20	17° 0	1°32	10°20	7° 0	17°44	19° 4	13°49	7°39	S 15
S 16	6 6 19	1°36'34	21°39	18°14	10°30	3°54	29°19	17° 1	1°31	10°21	7° 1	17°42	19° 1	13°55	7°39	S 16
M17	6 10 16	2°37'46	3♏45	19°43	11°45	4°32	29°17	17° 1	1°30	10°22	7° 3	17°37	18°58	14° 2	7°40	M17
T 18	6 14 12	3°38'58	15°42	21°10	13° 0	5° 9	29°15	17° 2	1°29	10°22	7° 4	17°31	18°55	14° 9	7°40	T 18
W19	6 18 9	4°40'10	27°35	22°35	14°15	5°46	29°13	17° 3	1°28	10°23	7° 6	17°23	18°51	14°15	7°40	W19
T 20	6 22 5	5°41'23	9♐26	23°57	15°30	6°24	29°11	17° 3	1°27	10°24	7° 8	17°15	18°48	14°22	7°41	T 20
F 21	6 26 2	6°42'35	21°17	25°16	16°45	7° 1	29° 9	17° 4	1°26	10°24	7° 9	17° 6	18°45	14°29	7°41	F 21
S 22	6 29 59	7°43'47	3♑11	26°31	18° 1	7°39	29° 6	17° 5	1°25	10°25	7°11	16°59	18°42	14°35	7°42	S 22
S 23	6 33 55	8°44'59	15° 8	27°42	19°16	8°16	29° 3	17° 6	1°24	10°25	7°12	16°53	18°39	14°42	7°42	S 23
M24	6 37 52	9°46'10	27°10	28°48	20°31	8°53	29° 0	17° 8	1°23	10°25	7°14	16°49	18°35	14°49	7°43	M24
T 25	6 41 48	10°47'21	9♒20	29°47	21°46	9°31	28°57	17° 9	1°21	10°26	7°16	16°47	18°32	14°56	7°44	T 25
W26	6 45 45	11°48'32	21°38	0♒41	23° 1	10° 8	28°54	17°10	1°20	10°26	7°17	16°D47	18°29	15° 2	7°45	W26
T 27	6 49 41	12°49'42	4♓ 8	1°27	24°16	10°45	28°50	17°12	1°19	10°26	7°19	16°48	18°26	15° 9	7°46	T 27
F 28	6 53 38	13°50'51	16°52	2° 4	25°32	11°23	28°47	17°14	1°17	10°27	7°21	16°49	18°23	15°16	7°46	F 28
S 29	6 57 35	14°52'00	29°53	2°32	26°47	12° 0	28°43	17°16	1°16	10°27	7°22	16°51	18°20	15°22	7°47	S 29
S 30	7 1 31	15°53'07	13♈14	2°50	28° 2	12°37	28°39	17°17	1°14	10°27	7°24	16°R52	18°16	15°29	7°48	S 30
M31	7 5 28	16♑54'14	26♈58	2°R57	29♐17	13♏14	28♌34	17♈19	1♍12	10♎27	7♒26	16♌51	18♌13	15♐36	7♈50	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s49	6s22	2s40	25s25	2s 0	17s 0	1n19	8s31	1n 6	12n43	1n 2	4n18	2s40	11n39	0n46	2s31	1n38	26s17	7s53	15n18	14n56	17s38	4n50	1n56
S 2	22 55	1 52	3 36	25 31	2 3	17 21	1 17	8 45	1 6	12 43	1 2	4 17	2 39	11 39	0 46	2 32	1 38	26 17	7 53	15 19	14 57	17 39	4 50	1 56
M 3	23 1	2n52	4 22	25 36	2 5	17 41	1 15	8 59	1 5	12 43	1 3	4 17	2 39	11 39	0 46	2 32	1 38	26 17	7 53	15 20	14 58	17 40	4 50	1 56
T 4	23 6	7 36	4 52	25 39	2 7	18 1	1 13	9 13	1 5	12 43	1 3	4 17	2 39	11 39	0 46	2 32	1 38	26 16	7 53	15 22	14 59	17 41	4 49	1 55
W 5	23 11	12 1	5 5	25 40	2 9	18 21	1 11	9 27	1 5	12 43	1 3	4 17	2 39	11 39	0 46	2 33	1 38	26 16	7 53	15 24	15 0	17 42	4 49	1 55
T 6	23 15	15 46	4 56	25 40	2 10	18 40	1 9	9 40	1 5	12 43	1 4	4 17	2 38	11 39	0 46	2 33	1 38	26 15	7 52	15 27	15 1	17 44	4 49	1 55
F 7	23 19	18 29	4 27	25 39	2 11	18 58	1 7	9 54	1 4	12 43	1 4	4 17	2 38	11 39	0 46	2 33	1 38	26 15	7 52	15 30	15 2	17 45	4 48	1 55
S 8	23 22	19 52	3 38	25 35	2 11	19 16	1 5	10 8	1 4	12 43	1 4	4 17	2 38	11 40	0 46	2 34	1 38	26 14	7 52	15 32	15 3	17 46	4 48	1 55
S 9	23 25	19 49	2 34	25 30	2 11	19 34	1 3	10 21	1 4	12 43	1 4	4 17	2 37	11 40	0 46	2 34	1 39	26 14	7 52	15 34	15 4	17 47	4 48	1 55
M10	23 27	18 23	1 22	25 24	2 11	19 51	1 0	10 35	1 3	12 44	1 5	4 17	2 37	11 40	0 46	2 34	1 39	26 13	7 52	15 35	15 5	17 48	4 48	1 54
T 11	23 29	15 49	0 6	25 16	2 10	20 7	0 58	10 48	1 3	12 44	1 5	4 17	2 37	11 40	0 46	2 35	1 39	26 13	7 52	15 35	15 6	17 49	4 48	1 54
W12	23 30	12 25	1n 8	25 6	2 8	20 23	0 56	11 1	1 3	12 45	1 5	4 18	2 37	11 41	0 46	2 35	1 39	26 13	7 52	15 35	15 7	17 51	4 47	1 54
T 13	23 31	8 28	2 16	24 55	2 6	20 38	0 53	11 15	1 3	12 45	1 6	4 18	2 36	11 41	0 46	2 35	1 39	26 12	7 52	15 35	15 8	17 52	4 47	1 54
F 14	23 32	4 16	3 15	24 42	2 3	20 53	0 51	11 28	1 2	12 46	1 6	4 18	2 36	11 41	0 47	2 35	1 39	26 12	7 52	15 34	15 9	17 53	4 47	1 54
S 15	23 32	0s 0	4 2	24 27	2 0	21 7	0 49	11 41	1 2	12 47	1 6	4 19	2 36	11 42	0 47	2 36	1 39	26 11	7 52	15 35	15 10	17 54	4 47	1 54
S 16	23 31	4 11	4 37	24 11	1 55	21 20	0 46	11 54	1 2	12 47	1 6	4 19	2 35	11 42	0 47	2 36	1 39	26 11	7 52	15 35	15 11	17 55	4 47	1 53
M17	23 30	8 7	4 59	23 54	1 50	21 33	0 44	12 7	1 1	12 48	1 7	4 19	2 35	11 42	0 47	2 36	1 39	26 10	7 52	15 37	15 12	17 56	4 47	1 53
T 18	23 29	11 41	5 8	23 35	1 45	21 46	0 41	12 20	1 1	12 49	1 7	4 20	2 35	11 43	0 47	2 36	1 39	26 10	7 52	15 39	15 13	17 57	4 47	1 53
W19	23 27	14 46	5 4	23 14	1 38	21 57	0 39	12 33	1 1	12 50	1 7	4 20	2 34	11 43	0 47	2 36	1 39	26 9	7 52	15 41	15 14	17 59	4 47	1 53
T 20	23 24	17 14	4 46	22 53	1 30	22 8	0 36	12 45	1 0	12 51	1 7	4 21	2 34	11 43	0 47	2 37	1 39	26 9	7 52	15 44	15 15	18 0	4 47	1 53
F 21	23 21	18 59	4 16	22 30	1 22	22 18	0 34	12 58	1 0	12 52	1 8	4 22	2 34	11 44	0 47	2 37	1 39	26 8	7 51	15 46	15 16	18 1	4 47	1 52
S 22	23 18	19 55	3 35	22 7	1 12	22 28	0 31	13 10	1 0	12 53	1 8	4 22	2 34	11 44	0 47	2 37	1 39	26 8	7 51	15 48	15 17	18 2	4 47	1 52
S 23	23 14	19 57	2 44	21 43	1 2	22 37	0 29	13 23	0 59	12 55	1 8	4 23	2 33	11 45	0 47	2 37	1 39	26 7	7 51	15 50	15 18	18 3	4 47	1 52
M24	23 10	19 5	1 45	21 18	0 51	22 45	0 26	13 35	0 59	12 56	1 8	4 24	2 33	11 45	0 47	2 37	1 39	26 7	7 51	15 51	15 19	18 4	4 47	1 52
T 25	23 5	17 20	0 41	20 53	0 38	22 53	0 24	13 47	0 59	12 57	1 9	4 25	2 33	11 46	0 47	2 37	1 40	26 6	7 51	15 52	15 20	18 5	4 47	1 52
W26	23 0	14 46	0s27	20 29	0 24	22 59	0 21	13 59	0 58	12 59	1 9	4 25	2 32	11 46	0 47	2 37	1 40	26 6	7 51	15 52	15 21	18 7	4 47	1 52
T 27	22 54	11 29	1 33	20 4	0 10	23 6	0 19	14 12	0 58	13 0	1 9	4 26	2 32	11 47	0 47	2 37	1 40	26 6	7 51	15 52	15 22	18 8	4 48	1 51
F 28	22 48	7 37	2 37	19 41	0n 6	23 11	0 16	14 23	0 57	13 2	1 10	4 27	2 32	11 47	0 47	2 37	1 40	26 5	7 51	15 51	15 23	18 9	4 48	1 51
S 29	22 42	3 19	3 34	19 18	0 22	23 16	0 14	14 35	0 57	13 3	1 10	4 28	2 32	11 48	0 47	2 37	1 40	26 5	7 51	15 51	15 24	18 10	4 48	1 51
S 30	22 35	1n14	4 21	18 57	0 40	23 20	0 11	14 47	0 57	13 5	1 10	4 29	2 31	11 49	0 47	2 37	1 40	26 4	7 51	15 50	15 25	18 11	4 48	1 51
M31	22s27	5n51	4s55	18s38	0n58	23s23	0n 8	14s59	0n56	13n 7	1n10	4n30	2s31	11n49	0n47	2s37	1n40	26s 4	7s51	15n51	15n26	18s12	4n49	1n51

Julian Day Number = 2192929.5, Delta T = 10m37s
Ecliptic obliquity = 23°31'45, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'54, Lahiri = 13°58'54 Julian Calendar 1 Dec. 1291 == Greg. Calendar 8 Dec. 1291

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

JANUARY 1292 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 9 24	17♉55'20	11♉ 5	2°R53	0♉32	13♏51	28°R30	17♈22	1°R11	10♎27	7♒27	16°R50	18♌10	15♐43	7♈51	T 1
W 2	7 13 21	18°56'25	25°34	2♒37	1°47	14°28	28♌25	17°24	1♍ 9	10°27	7°29	16♌47	18° 7	15°49	7°52	W 2
T 3	7 17 17	19°57'29	10♊22	2° 9	3° 3	15° 6	28°21	17°26	1° 7	10°28	7°31	16°43	18° 4	15°56	7°53	T 3
F 4	7 21 14	20°58'32	25°22	1°30	4°18	15°43	28°16	17°29	1° 6	10°R28	7°33	16°39	18° 1	16° 3	7°54	F 4
S 5	7 25 10	21°59'35	10♋26	0°41	5°33	16°20	28°11	17°31	1° 4	10°28	7°34	16°36	17°57	16° 9	7°56	S 5
S 6	7 29 7	23° 0'36	25°24	29♉43	6°48	16°57	28° 5	17°34	1° 2	10°28	7°36	16°33	17°54	16°16	7°57	S 6
M 7	7 33 4	24° 1'37	10♌ 8	28°37	8° 3	17°34	28° 0	17°37	1° 0	10°27	7°38	16°D32	17°51	16°23	7°59	M 7
T 8	7 37 0	25° 2'36	24°31	27°25	9°18	18°11	27°55	17°39	0°58	10°27	7°40	16°32	17°48	16°30	8° 0	T 8
W 9	7 40 57	26° 3'35	8♍28	26°11	10°33	18°48	27°49	17°42	0°56	10°27	7°41	16°33	17°45	16°36	8° 2	W 9
T 10	7 44 53	27° 4'34	21°59	24°55	11°49	19°25	27°43	17°45	0°54	10°27	7°43	16°35	17°41	16°43	8° 3	T 10
F 11	7 48 50	28° 5'31	5♎ 4	23°40	13° 4	20° 2	27°37	17°49	0°52	10°27	7°45	16°36	17°38	16°50	8° 5	F 11
S 12	7 52 46	29° 6'28	17°46	22°29	14°19	20°39	27°31	17°52	0°50	10°27	7°47	16°37	17°35	16°56	8° 7	S 12
S 13	7 56 43	0♒ 7'24	0♏ 9	21°22	15°34	21°15	27°25	17°55	0°48	10°26	7°48	16°R38	17°32	17° 3	8° 8	S 13
M14	8 0 39	1° 8'19	12°16	20°22	16°49	21°52	27°19	17°59	0°46	10°26	7°50	16°37	17°29	17°10	8°10	M14
T 15	8 4 36	2° 9'14	24°14	19°29	18° 4	22°29	27°12	18° 2	0°44	10°26	7°52	16°36	17°26	17°16	8°12	T 15
W16	8 8 33	3°10'07	6♐ 6	18°44	19°19	23° 6	27° 5	18° 6	0°41	10°25	7°54	16°35	17°22	17°23	8°14	W16
T 17	8 12 29	4°11'00	17°56	18° 8	20°35	23°43	26°59	18°10	0°39	10°25	7°56	16°33	17°19	17°30	8°16	T 17
F 18	8 16 26	5°11'52	29°48	17°40	21°50	24°19	26°52	18°13	0°37	10°24	7°57	16°31	17°16	17°37	8°18	F 18
S 19	8 20 22	6°12'42	11♉45	17°20	23° 5	24°56	26°45	18°17	0°35	10°24	7°59	16°29	17°13	17°43	8°20	S 19
S 20	8 24 19	7°13'32	23°49	17° 9	24°20	25°33	26°38	18°21	0°32	10°23	8° 1	16°28	17°10	17°50	8°22	S 20
M21	8 28 15	8°14'20	6♒ 3	17°D 6	25°35	26° 9	26°31	18°26	0°30	10°23	8° 3	16°27	17° 7	17°57	8°24	M21
T 22	8 32 12	9°15'07	18°27	17° 9	26°50	26°46	26°24	18°30	0°28	10°22	8° 5	16°D27	17° 3	18° 3	8°26	T 22
W23	8 36 8	10°15'52	1♓ 4	17°20	28° 5	27°22	26°16	18°34	0°25	10°22	8° 6	16°27	17° 0	18°10	8°29	W23
T 24	8 40 5	11°16'36	13°52	17°37	29°20	27°59	26° 9	18°38	0°23	10°21	8° 8	16°28	16°57	18°17	8°31	T 24
F 25	8 44 2	12°17'19	26°54	18° 0	0♒35	28°35	26° 2	18°43	0°20	10°20	8°10	16°28	16°54	18°24	8°33	F 25
S 26	8 47 58	13°17'59	10♈10	18°29	1°51	29°12	25°54	18°47	0°18	10°20	8°12	16°29	16°51	18°30	8°35	S 26
S 27	8 51 55	14°18'38	23°40	19° 3	3° 6	29°48	25°46	18°52	0°15	10°19	8°14	16°29	16°47	18°37	8°38	S 27
M28	8 55 51	15°19'16	7♉25	19°41	4°21	0♐24	25°39	18°57	0°13	10°18	8°15	16°29	16°44	18°44	8°40	M28
T 29	8 59 48	16°19'51	21°25	20°24	5°36	1° 1	25°31	19° 2	0°10	10°17	8°17	16°29	16°41	18°50	8°43	T 29
W30	9 3 44	17°20'25	5♊38	21°10	6°51	1°37	25°23	19° 6	0° 8	10°17	8°19	16°29	16°38	18°57	8°45	W30
T 31	9 7 41	18♒20'57	20♊ 3	22♉ 0	8♒ 6	2♐13	25♌16	19♈11	0♍ 5	10♎16	8♒21	16♌29	16♌35	19♐ 4	8♈48	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s19	10n16	5s12	18s21	1n16	23s26	0n 6	15s10	0n56	13n 8	1n11	4n31	2s31	11n50	0n47	2s37	1n40	26s 3	7s51	15n51	15n27	18s13	4n49	1n51
W 2	22 11	14 12	5 10	18 7	1 35	23 28	0 3	15 22	0 55	13 10	1 11	4 32	2 30	11 51	0 47	2 37	1 40	26 3	7 51	15 52	15 27	18 14	4 49	1 50
T 3	22 2	17 21	4 47	17 55	1 53	23 29	0 1	15 33	0 55	13 12	1 11	4 34	2 30	11 51	0 47	2 37	1 40	26 2	7 51	15 53	15 28	18 15	4 50	1 50
F 4	21 53	19 22	4 5	17 46	2 11	23 29	0s 2	15 44	0 54	13 14	1 11	4 35	2 30	11 52	0 47	2 37	1 40	26 2	7 51	15 54	15 29	18 16	4 50	1 50
S 5	21 44	20 2	3 6	17 40	2 28	23 29	0 4	15 55	0 54	13 16	1 11	4 36	2 30	11 52	0 47	2 37	1 40	26 1	7 51	15 55	15 30	18 18	4 50	1 50
S 6	21 34	19 16	1 54	17 37	2 44	23 28	0 7	16 6	0 54	13 18	1 12	4 37	2 29	11 53	0 47	2 37	1 40	26 1	7 51	15 56	15 31	18 19	4 51	1 50
M 7	21 23	17 12	0 35	17 36	2 59	23 26	0 9	16 17	0 53	13 20	1 12	4 39	2 29	11 54	0 47	2 37	1 40	26 0	7 51	15 56	15 32	18 20	4 51	1 50
T 8	21 12	14 5	0n44	17 38	3 11	23 24	0 12	16 28	0 53	13 22	1 12	4 40	2 29	11 55	0 47	2 37	1 40	26 0	7 51	15 56	15 33	18 21	4 52	1 49
W 9	21 1	10 15	1 58	17 42	3 21	23 21	0 14	16 39	0 52	13 25	1 12	4 41	2 28	11 55	0 47	2 37	1 40	26 0	7 51	15 56	15 34	18 22	4 52	1 49
T 10	20 49	6 0	3 3	17 48	3 29	23 17	0 17	16 49	0 52	13 27	1 13	4 43	2 28	11 56	0 48	2 37	1 40	25 59	7 51	15 56	15 35	18 23	4 52	1 49
F 11	20 37	1 36	3 57	17 56	3 34	23 12	0 19	17 0	0 51	13 29	1 13	4 44	2 28	11 57	0 48	2 37	1 41	25 59	7 51	15 55	15 36	18 24	4 53	1 49
S 12	20 25	2s44	4 37	18 5	3 37	23 7	0 22	17 10	0 51	13 31	1 13	4 46	2 28	11 58	0 48	2 36	1 41	25 58	7 51	15 55	15 37	18 25	4 54	1 49
S 13	20 12	6 50	5 3	18 15	3 37	23 1	0 24	17 20	0 50	13 34	1 13	4 47	2 27	11 58	0 48	2 36	1 41	25 58	7 51	15 55	15 38	18 26	4 54	1 49
M14	19 59	10 34	5 15	18 26	3 35	22 54	0 26	17 30	0 50	13 36	1 13	4 49	2 27	11 59	0 48	2 36	1 41	25 57	7 51	15 55	15 39	18 27	4 55	1 48
T 15	19 45	13 50	5 13	18 37	3 31	22 47	0 29	17 40	0 49	13 39	1 14	4 50	2 27	12 0	0 48	2 36	1 41	25 57	7 51	15 55	15 40	18 28	4 55	1 48
W16	19 31	16 31	4 58	18 49	3 26	22 38	0 31	17 50	0 48	13 41	1 14	4 52	2 27	12 1	0 48	2 36	1 41	25 56	7 51	15 56	15 41	18 29	4 56	1 48
T 17	19 17	18 30	4 30	19 1	3 19	22 30	0 33	18 0	0 48	13 43	1 14	4 54	2 26	12 2	0 48	2 36	1 41	25 56	7 52	15 56	15 42	18 30	4 56	1 48
F 18	19 2	19 41	3 51	19 13	3 10	22 20	0 35	18 10	0 47	13 46	1 14	4 55	2 26	12 2	0 48	2 35	1 41	25 55	7 52	15 57	15 43	18 31	4 57	1 48
S 19	18 47	20 0	3 1	19 25	3 1	22 10	0 38	18 19	0 47	13 49	1 14	4 57	2 26	12 3	0 48	2 35	1 41	25 55	7 52	15 57	15 44	18 33	4 58	1 48
S 20	18 32	19 25	2 2	19 36	2 51	21 59	0 40	18 28	0 46	13 51	1 15	4 59	2 25	12 4	0 48	2 35	1 41	25 55	7 52	15 58	15 45	18 34	4 58	1 47
M21	18 16	17 54	0 57	19 47	2 40	21 47	0 42	18 38	0 46	13 54	1 15	5 1	2 25	12 5	0 48	2 35	1 41	25 54	7 52	15 58	15 46	18 35	4 59	1 47
T 22	18 0	15 32	0s11	19 58	2 29	21 35	0 44	18 47	0 45	13 56	1 15	5 2	2 25	12 6	0 48	2 34	1 41	25 54	7 52	15 58	15 47	18 36	5 0	1 47
W23	17 44	12 23	1 20	20 8	2 18	21 22	0 46	18 56	0 44	13 59	1 15	5 4	2 25	12 7	0 48	2 34	1 41	25 53	7 52	15 58	15 48	18 37	5 1	1 47
T 24	17 28	8 37	2 26	20 17	2 6	21 9	0 48	19 5	0 44	14 2	1 15	5 6	2 24	12 8	0 48	2 34	1 41	25 53	7 52	15 58	15 49	18 38	5 1	1 47
F 25	17 11	4 23	3 26	20 26	1 54	20 55	0 50	19 13	0 43	14 4	1 15	5 8	2 24	12 8	0 48	2 33	1 41	25 53	7 52	15 58	15 50	18 39	5 2	1 47
S 26	16 53	0n 7	4 16	20 33	1 43	20 40	0 52	19 22	0 42	14 7	1 16	5 10	2 24	12 9	0 48	2 33	1 41	25 52	7 52	15 57	15 51	18 40	5 3	1 47
S 27	16 36	4 41	4 53	20 40	1 31	20 25	0 54	19 30	0 42	14 10	1 16	5 12	2 24	12 10	0 48	2 33	1 41	25 52	7 52	15 57	15 52	18 41	5 4	1 46
M28	16 18	9 6	5 14	20 46	1 19	20 9	0 56	19 39	0 41	14 12	1 16	5 14	2 24	12 11	0 48	2 32	1 42	25 51	7 52	15 57	15 53	18 42	5 5	1 46
T 29	16 0	13 5	5 16	20 51	1 8	19 52	0 58	19 47	0 40	14 15	1 16	5 16	2 23	12 12	0 48	2 32	1 42	25 51	7 52	15 57	15 54	18 43	5 5	1 46
W30	15 42	16 24	5 0	20 55	0 57	19 35	0 59	19 55	0 40	14 18	1 16	5 18	2 23	12 13	0 48	2 32	1 42	25 50	7 52	15 57	15 55	18 44	5 6	1 46
T 31	15s23	18n45	4s25	20s59	0n46	19s18	1s 1	20s 3	0n39	14n21	1n16	5n20	2s23	12n14	0n48	2s31	1n42	25s50	7s53	15n57	15n56	18s45	5n 7	1n46

Julian Day Number = 2192960.5, Delta T = 10m37s
Ecliptic obliquity = 23°31'45, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°51'58, Lahiri = 13°58'59 Julian Calendar 1 Jan. 1292 == Greg. Calendar 8 Jan. 1292

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

FEBRUARY 1292 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 11 37	19♒21'27	4♋35	22♑54	9♒21	2♐49	25°R 8	19♈16	0°R 3	10°R15	8♒23	16♌30	16♌32	19♐10	8♈51	F 1
S 2	9 15 34	20°21'55	19°11	23°50	10°36	3°25	25♌ 0	19°22	0♍ 0	10♎14	8°24	16°30	16°28	19°17	8°53	S 2
S 3	9 19 31	21°22'22	3♌44	24°49	11°51	4° 1	24°52	19°27	29♌58	10°13	8°26	16°30	16°25	19°24	8°56	S 3
M 4	9 23 27	22°22'46	18° 9	25°51	13° 6	4°37	24°44	19°32	29°55	10°12	8°28	16°R30	16°22	19°31	8°59	M 4
T 5	9 27 24	23°23'09	2♍20	26°56	14°21	5°13	24°36	19°37	29°52	10°11	8°30	16°30	16°19	19°37	9° 1	T 5
W 6	9 31 20	24°23'30	16°12	28° 3	15°36	5°49	24°29	19°43	29°50	10°10	8°31	16°29	16°16	19°44	9° 4	W 6
T 7	9 35 17	25°23'49	29°43	29°11	16°51	6°25	24°21	19°48	29°47	10° 9	8°33	16°28	16°12	19°51	9° 7	T 7
F 8	9 39 13	26°24'07	12♎51	0♒22	18° 6	7° 1	24°13	19°54	29°45	10° 8	8°35	16°27	16° 9	19°57	9°10	F 8
S 9	9 43 10	27°24'24	25°38	1°35	19°20	7°37	24° 5	20° 0	29°42	10° 7	8°37	16°26	16° 6	20° 4	9°13	S 9
S 10	9 47 6	28°24'38	8♏ 6	2°50	20°35	8°12	23°57	20° 5	29°39	10° 6	8°38	16°24	16° 3	20°11	9°16	S 10
M11	9 51 3	29°24'52	20°17	4° 6	21°50	8°48	23°49	20°11	29°37	10° 5	8°40	16°24	16° 0	20°17	9°19	M11
T 12	9 55 0	0♓25'04	2♐17	5°24	23° 5	9°24	23°41	20°17	29°34	10° 4	8°42	16°D23	15°57	20°24	9°22	T 12
W13	9 58 56	1°25'14	14°10	6°43	24°20	9°59	23°34	20°23	29°32	10° 2	8°43	16°24	15°53	20°31	9°25	W13
T 14	10 2 53	2°25'22	26° 0	8° 4	25°35	10°35	23°26	20°29	29°29	10° 1	8°45	16°25	15°50	20°38	9°28	T 14
F 15	10 6 49	3°25'29	7♑53	9°26	26°50	11°10	23°18	20°35	29°26	10° 0	8°47	16°26	15°47	20°44	9°31	F 15
S 16	10 10 46	4°25'35	19°53	10°50	28° 5	11°45	23°11	20°41	29°24	9°59	8°48	16°28	15°44	20°51	9°34	S 16
S 17	10 14 42	5°25'38	2♒ 4	12°15	29°20	12°21	23° 3	20°47	29°21	9°57	8°50	16°29	15°41	20°58	9°37	S 17
M18	10 18 39	6°25'40	14°28	13°41	0♓34	12°56	22°55	20°53	29°18	9°56	8°52	16°R30	15°38	21° 4	9°40	M18
T 19	10 22 35	7°25'40	27° 8	15° 9	1°49	13°31	22°48	21° 0	29°16	9°55	8°53	16°29	15°34	21°11	9°43	T 19
W20	10 26 32	8°25'38	10♓ 4	16°38	3° 4	14° 6	22°41	21° 6	29°13	9°54	8°55	16°28	15°31	21°18	9°47	W20
T 21	10 30 28	9°25'34	23°16	18° 8	4°19	14°41	22°33	21°12	29°11	9°52	8°56	16°25	15°28	21°24	9°50	T 21
F 22	10 34 25	10°25'28	6♈43	19°40	5°34	15°16	22°26	21°19	29° 8	9°51	8°58	16°22	15°25	21°31	9°53	F 22
S 23	10 38 22	11°25'20	20°24	21°12	6°48	15°51	22°19	21°25	29° 6	9°49	9° 0	16°18	15°22	21°38	9°56	S 23
S 24	10 42 18	12°25'10	4♉16	22°46	8° 3	16°26	22°12	21°32	29° 3	9°48	9° 1	16°14	15°18	21°44	10° 0	S 24
M25	10 46 15	13°24'57	18°16	24°21	9°18	17° 0	22° 5	21°38	29° 1	9°47	9° 3	16°12	15°15	21°51	10° 3	M25
T 26	10 50 11	14°24'43	2♊21	25°58	10°33	17°35	21°58	21°45	28°58	9°45	9° 4	16°10	15°12	21°58	10° 6	T 26
W27	10 54 8	15°24'25	16°31	27°35	11°47	18°10	21°51	21°52	28°56	9°44	9° 6	16°D 9	15° 9	22° 5	10°10	W27
T 28	10 58 4	16°24'06	0♋42	29°14	13° 2	18°44	21°45	21°59	28°53	9°42	9° 7	16°10	15° 6	22°11	10°13	T 28
F 29	11 2 1	17♓23'44	14♋53	0♓54	14♓17	19♐18	21♌38	22♈ 5	28♌51	9♎41	9♒ 9	16♌11	15♌ 3	22♐18	10♈17	F 29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	15s 4	19n55	3s32	21s 0	0n35	18s59	1s 3	20s11	0n38	14n23	1n16	5n22	2s23	12n15	0n48	2s31	1n42	25s50	7s53	15n57	15n57	18s46	5n 8	1n46
S 2	14 45	19 45	2 26	21 1	0 24	18 41	1 4	20 18	0 37	14 26	1 16	5 25	2 22	12 16	0 48	2 30	1 42	25 49	7 53	15 57	15 58	18 47	5 9	1 46
S 3	14 26	18 15	1 10	21 1	0 14	18 21	1 6	20 26	0 37	14 29	1 17	5 27	2 22	12 17	0 48	2 30	1 42	25 49	7 53	15 57	15 58	18 48	5 10	1 45
M 4	14 6	15 35	0n 9	20 59	0 4	18 1	1 7	20 33	0 36	14 32	1 17	5 29	2 22	12 18	0 48	2 30	1 42	25 49	7 53	15 57	15 59	18 49	5 11	1 45
T 5	13 46	12 2	1 27	20 57	0s 6	17 41	1 9	20 41	0 35	14 34	1 17	5 31	2 22	12 18	0 48	2 29	1 42	25 48	7 53	15 57	16 0	18 50	5 12	1 45
W 6	13 26	7 53	2 37	20 53	0 15	17 20	1 10	20 48	0 34	14 37	1 17	5 33	2 21	12 19	0 48	2 29	1 42	25 48	7 53	15 57	16 1	18 51	5 13	1 45
T 7	13 6	3 26	3 37	20 47	0 24	16 59	1 12	20 55	0 34	14 40	1 17	5 36	2 21	12 20	0 48	2 28	1 42	25 47	7 53	15 58	16 2	18 52	5 14	1 45
F 8	12 46	1s 3	4 24	20 41	0 33	16 37	1 13	21 1	0 33	14 43	1 17	5 38	2 21	12 21	0 48	2 28	1 42	25 47	7 53	15 58	16 3	18 53	5 15	1 45
S 9	12 25	5 21	4 56	20 33	0 41	16 15	1 14	21 8	0 32	14 45	1 17	5 40	2 21	12 22	0 48	2 27	1 42	25 47	7 54	15 58	16 4	18 54	5 16	1 45
S 10	12 4	9 19	5 13	20 24	0 49	15 52	1 15	21 15	0 31	14 48	1 17	5 43	2 21	12 23	0 48	2 27	1 42	25 46	7 54	15 59	16 5	18 55	5 17	1 44
M11	11 43	12 48	5 16	20 14	0 57	15 29	1 16	21 21	0 30	14 51	1 17	5 45	2 20	12 24	0 48	2 26	1 42	25 46	7 54	15 59	16 6	18 56	5 18	1 44
T 12	11 22	15 43	5 5	20 2	1 5	15 5	1 17	21 28	0 29	14 53	1 17	5 47	2 20	12 25	0 48	2 26	1 42	25 46	7 54	15 59	16 7	18 57	5 19	1 44
W13	11 1	17 57	4 40	19 49	1 12	14 41	1 18	21 34	0 28	14 56	1 17	5 50	2 20	12 26	0 48	2 25	1 42	25 45	7 54	15 59	16 8	18 58	5 20	1 44
T 14	10 39	19 24	4 4	19 35	1 18	14 17	1 19	21 40	0 28	14 59	1 17	5 52	2 20	12 27	0 48	2 25	1 42	25 45	7 54	15 59	16 9	18 59	5 21	1 44
F 15	10 17	20 0	3 18	19 19	1 25	13 52	1 20	21 46	0 27	15 1	1 17	5 55	2 20	12 28	0 48	2 24	1 42	25 45	7 54	15 58	16 10	19 0	5 22	1 44
S 16	9 55	19 43	2 22	19 2	1 31	13 27	1 21	21 51	0 26	15 4	1 17	5 57	2 19	12 29	0 48	2 24	1 42	25 44	7 55	15 58	16 11	19 1	5 23	1 44
S 17	9 33	18 30	1 19	18 44	1 36	13 2	1 22	21 57	0 25	15 6	1 17	6 0	2 19	12 30	0 48	2 23	1 42	25 44	7 55	15 57	16 12	19 2	5 25	1 44
M18	9 11	16 22	0 11	18 24	1 42	12 36	1 22	22 3	0 24	15 9	1 18	6 2	2 19	12 30	0 48	2 23	1 43	25 44	7 55	15 57	16 13	19 2	5 26	1 43
T 19	8 49	13 26	0s58	18 3	1 47	12 10	1 23	22 8	0 23	15 11	1 18	6 5	2 19	12 31	0 48	2 22	1 43	25 44	7 55	15 57	16 14	19 3	5 27	1 43
W20	8 26	9 46	2 6	17 41	1 51	11 43	1 24	22 13	0 22	15 14	1 18	6 7	2 19	12 32	0 48	2 22	1 43	25 43	7 55	15 58	16 15	19 4	5 28	1 43
T 21	8 4	5 34	3 9	17 17	1 55	11 16	1 24	22 18	0 21	15 16	1 18	6 10	2 19	12 33	0 48	2 21	1 43	25 43	7 55	15 58	16 16	19 5	5 29	1 43
F 22	7 41	1 1	4 2	16 51	1 59	10 49	1 25	22 23	0 20	15 18	1 18	6 12	2 18	12 34	0 48	2 21	1 43	25 43	7 56	15 59	16 16	19 6	5 30	1 43
S 23	7 18	3n38	4 42	16 25	2 2	10 22	1 25	22 28	0 19	15 21	1 18	6 15	2 18	12 35	0 48	2 20	1 43	25 42	7 56	16 1	16 17	19 7	5 32	1 43
S 24	6 56	8 10	5 7	15 57	2 5	9 54	1 25	22 33	0 18	15 23	1 18	6 17	2 18	12 36	0 48	2 19	1 43	25 42	7 56	16 2	16 18	19 8	5 33	1 43
M25	6 33	12 19	5 13	15 28	2 8	9 26	1 26	22 37	0 17	15 25	1 18	6 20	2 18	12 37	0 48	2 19	1 43	25 42	7 56	16 3	16 19	19 9	5 34	1 43
T 26	6 10	15 47	5 1	14 57	2 10	8 58	1 26	22 41	0 15	15 28	1 18	6 23	2 18	12 38	0 48	2 18	1 43	25 42	7 56	16 3	16 20	19 10	5 35	1 43
W27	5 46	18 21	4 31	14 25	2 12	8 29	1 26	22 46	0 14	15 30	1 17	6 25	2 18	12 38	0 48	2 18	1 43	25 41	7 56	16 3	16 21	19 11	5 37	1 42
T 28	5 23	19 48	3 44	13 51	2 13	8 1	1 26	22 50	0 13	15 32	1 17	6 28	2 17	12 39	0 48	2 17	1 43	25 41	7 57	16 3	16 22	19 12	5 38	1 42
F 29	5s 0	20n 0	2s43	13s17	2s14	7s32	1s26	22s54	0n12	15n34	1n17	6n31	2s17	12n40	0n48	2s16	1n43	25s41	7s57	16n 3	16n23	19s13	5n39	1n42

Julian Day Number = 2192991.5, Delta T = 10m36s
Ecliptic obliquity = 23°31'46, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'03, Lahiri = 13°59'03 Julian Calendar 1 Feb. 1292 == Greg. Calendar 8 Feb. 1292

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

MARCH 1292 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 5 57	18♓23'20	29♋ 1	2♓35	15♓31	19♐53	21°R32	22♈12	28°R48	9°R39	9♒10	16♌13	14♌59	22♐25	10♈20	S 1
S 2	11 9 54	19°22'54	13♌ 6	4°17	16°46	20°27	21♌26	22°19	28♌46	9♎38	9°12	16°R14	14°56	22°31	10°24	S 2
M 3	11 13 51	20°22'25	27° 3	6° 1	18° 1	21° 1	21°19	22°26	28°43	9°36	9°13	16°13	14°53	22°38	10°27	M 3
T 4	11 17 47	21°21'54	10♍50	7°46	19°15	21°35	21°13	22°33	28°41	9°35	9°15	16°11	14°50	22°45	10°31	T 4
W 5	11 21 44	22°21'21	24°23	9°32	20°30	22° 9	21° 7	22°40	28°39	9°33	9°16	16° 7	14°47	22°51	10°34	W 5
T 6	11 25 40	23°20'46	7♎42	11°20	21°44	22°43	21° 2	22°47	28°36	9°32	9°17	16° 2	14°44	22°58	10°38	T 6
F 7	11 29 37	24°20'09	20°43	13° 9	22°59	23°16	20°56	22°54	28°34	9°30	9°19	15°55	14°40	23° 5	10°41	F 7
S 8	11 33 33	25°19'30	3♏27	14°59	24°14	23°50	20°51	23° 1	28°32	9°28	9°20	15°48	14°37	23°11	10°45	S 8
S 9	11 37 30	26°18'49	15°54	16°50	25°28	24°24	20°45	23° 8	28°30	9°27	9°21	15°42	14°34	23°18	10°48	S 9
M10	11 41 26	27°18'06	28° 6	18°43	26°43	24°57	20°40	23°16	28°27	9°25	9°23	15°36	14°31	23°25	10°52	M10
T 11	11 45 23	28°17'22	10♐ 7	20°37	27°57	25°30	20°35	23°23	28°25	9°24	9°24	15°33	14°28	23°32	10°55	T 11
W12	11 49 20	29°16'35	22° 0	22°33	29°12	26° 4	20°30	23°30	28°23	9°22	9°25	15°31	14°24	23°38	10°59	W12
T 13	11 53 16	0♈15'47	3♑51	24°30	0♈26	26°37	20°26	23°37	28°21	9°20	9°27	15°D30	14°21	23°45	11° 3	T 13
F 14	11 57 13	1°14'57	15°44	26°28	1°41	27°10	20°21	23°45	28°19	9°19	9°28	15°31	14°18	23°52	11° 6	F 14
S 15	12 1 9	2°14'05	27°44	28°27	2°55	27°43	20°17	23°52	28°17	9°17	9°29	15°33	14°15	23°58	11°10	S 15
S 16	12 5 6	3°13'11	9♒58	0♈28	4° 9	28°15	20°13	24° 0	28°15	9°16	9°30	15°R34	14°12	24° 5	11°13	S 16
M17	12 9 2	4°12'16	22°28	2°29	5°24	28°48	20° 8	24° 7	28°13	9°14	9°31	15°34	14° 9	24°12	11°17	M17
T 18	12 12 59	5°11'18	5♓18	4°32	6°38	29°21	20° 5	24°14	28°11	9°12	9°33	15°32	14° 5	24°18	11°21	T 18
W19	12 16 55	6°10'19	18°29	6°35	7°53	29°53	20° 1	24°22	28° 9	9°11	9°34	15°28	14° 2	24°25	11°24	W19
T 20	12 20 52	7° 9'17	2♈ 3	8°40	9° 7	0♑25	19°57	24°29	28° 7	9° 9	9°35	15°21	13°59	24°32	11°28	T 20
F 21	12 24 48	8° 8'14	15°56	10°45	10°21	0°57	19°54	24°37	28° 5	9° 7	9°36	15°13	13°56	24°38	11°32	F 21
S 22	12 28 45	9° 7'08	0♉ 5	12°50	11°36	1°29	19°51	24°44	28° 3	9° 6	9°37	15° 4	13°53	24°45	11°35	S 22
S 23	12 32 42	10° 6'01	14°24	14°56	12°50	2° 1	19°48	24°52	28° 2	9° 4	9°38	14°56	13°49	24°52	11°39	S 23
M24	12 36 38	11° 4'51	28°49	17° 1	14° 4	2°32	19°45	25° 0	28° 0	9° 2	9°39	14°48	13°46	24°59	11°43	M24
T 25	12 40 35	12° 3'39	13♊12	19° 6	15°19	3° 4	19°42	25° 7	27°58	9° 1	9°40	14°43	13°43	25° 5	11°46	T 25
W26	12 44 31	13° 2'24	27°31	21°11	16°33	3°35	19°40	25°15	27°57	8°59	9°41	14°40	13°40	25°12	11°50	W26
T 27	12 48 28	14° 1'08	11♋42	23°15	17°47	4° 6	19°38	25°22	27°55	8°57	9°42	14°D39	13°37	25°19	11°54	T 27
F 28	12 52 24	14°59'49	25°43	25°18	19° 1	4°37	19°36	25°30	27°54	8°56	9°43	14°39	13°34	25°25	11°57	F 28
S 29	12 56 21	15°58'28	9♌35	27°19	20°15	5° 8	19°34	25°38	27°52	8°54	9°44	14°R40	13°30	25°32	12° 1	S 29
S 30	13 0 17	16°57'04	23°17	29°18	21°30	5°39	19°32	25°45	27°51	8°53	9°45	14°39	13°27	25°39	12° 5	S 30
M31	13 4 14	17♈55'38	6♍49	1♉14	22♈44	6♑ 9	19♌30	25♈53	27♌49	8♎51	9♒46	14♌37	13♌24	25♐45	12♈ 8	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s37	18n55	1s33	12s41	2s14	7s 3	1s26	22s58	0n11	15n36	1n17	6n33	2s17	12n41	0n48	2s16	1n43	25s41	7s57	16n 2	16n24	19s14	5n40	1n42
S 2	4 13	16 41	0 17	12 3	2 14	6 34	1 26	23 1	0 10	15 38	1 17	6 36	2 17	12 42	0 48	2 15	1 43	25 41	7 57	16 2	16 25	19 15	5 42	1 42
M 3	3 50	13 28	0n59	11 24	2 13	6 4	1 26	23 5	0 8	15 40	1 17	6 39	2 17	12 43	0 48	2 15	1 43	25 40	7 57	16 2	16 26	19 15	5 43	1 42
T 4	3 26	9 32	2 10	10 44	2 12	5 35	1 25	23 8	0 7	15 42	1 17	6 41	2 17	12 43	0 48	2 14	1 43	25 40	7 58	16 3	16 27	19 16	5 44	1 42
W 5	3 3	5 11	3 13	10 2	2 11	5 5	1 25	23 12	0 6	15 44	1 17	6 44	2 17	12 44	0 48	2 13	1 43	25 40	7 58	16 4	16 28	19 17	5 45	1 42
T 6	2 39	0 40	4 4	9 20	2 9	4 35	1 25	23 15	0 5	15 46	1 17	6 47	2 16	12 45	0 48	2 13	1 43	25 40	7 58	16 6	16 29	19 18	5 47	1 42
F 7	2 15	3s47	4 41	8 35	2 6	4 5	1 24	23 18	0 3	15 47	1 17	6 50	2 16	12 46	0 48	2 12	1 43	25 40	7 58	16 8	16 30	19 19	5 48	1 42
S 8	1 52	7 58	5 3	7 50	2 3	3 35	1 24	23 21	0 2	15 49	1 17	6 52	2 16	12 47	0 48	2 11	1 43	25 39	7 58	16 10	16 31	19 20	5 49	1 41
S 9	1 28	11 43	5 10	7 3	2 0	3 5	1 23	23 24	0 1	15 51	1 17	6 55	2 16	12 47	0 48	2 11	1 43	25 39	7 59	16 12	16 31	19 21	5 51	1 41
M10	1 5	14 54	5 3	6 15	1 56	2 34	1 22	23 27	0s 1	15 52	1 17	6 58	2 16	12 48	0 48	2 10	1 43	25 39	7 59	16 13	16 32	19 22	5 52	1 41
T 11	0 41	17 24	4 42	5 26	1 51	2 4	1 22	23 29	0 2	15 54	1 17	7 1	2 16	12 49	0 48	2 9	1 43	25 39	7 59	16 14	16 33	19 23	5 53	1 41
W12	0 17	19 8	4 10	4 36	1 46	1 34	1 21	23 32	0 3	15 55	1 17	7 3	2 16	12 50	0 48	2 9	1 43	25 39	7 59	16 15	16 34	19 23	5 55	1 41
T 13	0n 6	20 2	3 26	3 44	1 41	1 3	1 20	23 34	0 5	15 57	1 17	7 6	2 16	12 50	0 48	2 8	1 43	25 39	8 0	16 15	16 35	19 24	5 56	1 41
F 14	0 30	20 3	2 34	2 51	1 34	0 33	1 19	23 36	0 6	15 58	1 16	7 9	2 16	12 51	0 48	2 7	1 43	25 39	8 0	16 15	16 36	19 25	5 57	1 41
S 15	0 54	19 8	1 35	1 58	1 28	0 2	1 18	23 38	0 8	15 59	1 16	7 12	2 15	12 52	0 48	2 7	1 43	25 38	8 0	16 14	16 37	19 26	5 59	1 41
S 16	1 17	17 20	0 30	1 3	1 21	0n29	1 17	23 40	0 9	16 1	1 16	7 15	2 15	12 52	0 48	2 6	1 43	25 38	8 0	16 14	16 38	19 27	6 0	1 41
M17	1 41	14 40	0s37	0 7	1 13	0 59	1 16	23 42	0 11	16 2	1 16	7 18	2 15	12 53	0 48	2 5	1 43	25 38	8 0	16 14	16 39	19 28	6 1	1 41
T 18	2 4	11 13	1 44	0n49	1 5	1 30	1 15	23 44	0 12	16 3	1 16	7 20	2 15	12 54	0 48	2 5	1 43	25 38	8 1	16 14	16 40	19 29	6 3	1 41
W19	2 28	7 8	2 48	1 46	0 56	2 0	1 14	23 46	0 14	16 4	1 16	7 23	2 15	12 54	0 48	2 4	1 43	25 38	8 1	16 16	16 41	19 29	6 4	1 41
T 20	2 51	2 36	3 43	2 44	0 47	2 31	1 13	23 47	0 16	16 5	1 16	7 26	2 15	12 55	0 48	2 3	1 43	25 38	8 1	16 18	16 42	19 30	6 6	1 40
F 21	3 14	2n11	4 27	3 42	0 37	3 1	1 12	23 49	0 17	16 6	1 16	7 29	2 15	12 56	0 48	2 3	1 43	25 38	8 1	16 20	16 43	19 31	6 7	1 40
S 22	3 38	6 56	4 55	4 40	0 27	3 32	1 10	23 50	0 19	16 7	1 16	7 32	2 15	12 56	0 48	2 2	1 43	25 38	8 2	16 23	16 43	19 32	6 8	1 40
S 23	4 1	11 21	5 5	5 38	0 17	4 2	1 9	23 51	0 20	16 8	1 15	7 34	2 15	12 57	0 47	2 2	1 43	25 38	8 2	16 25	16 44	19 33	6 10	1 40
M24	4 24	15 9	4 57	6 37	0 7	4 32	1 7	23 53	0 22	16 8	1 15	7 37	2 15	12 57	0 47	2 1	1 43	25 38	8 2	16 27	16 45	19 34	6 11	1 40
T 25	4 47	18 1	4 29	7 35	0n 4	5 2	1 6	23 54	0 24	16 9	1 15	7 40	2 15	12 58	0 47	2 0	1 43	25 38	8 2	16 29	16 46	19 34	6 12	1 40
W26	5 10	19 46	3 45	8 32	0 15	5 32	1 4	23 55	0 26	16 10	1 15	7 43	2 15	12 58	0 47	2 0	1 43	25 38	8 3	16 30	16 47	19 35	6 14	1 40
T 27	5 33	20 15	2 47	9 29	0 26	6 2	1 3	23 55	0 28	16 10	1 15	7 46	2 14	12 59	0 47	1 59	1 43	25 38	8 3	16 30	16 48	19 36	6 15	1 40
F 28	5 56	19 27	1 39	10 24	0 38	6 32	1 1	23 56	0 29	16 11	1 15	7 49	2 14	12 59	0 47	1 58	1 43	25 38	8 3	16 30	16 49	19 37	6 17	1 40
S 29	6 18	17 29	0 27	11 19	0 49	7 2	1 0	23 57	0 31	16 11	1 15	7 51	2 14	13 0	0 47	1 58	1 43	25 38	8 3	16 30	16 50	19 38	6 18	1 40
S 30	6 41	14 32	0n46	12 12	1 0	7 31	0 58	23 58	0 33	16 12	1 15	7 54	2 14	13 0	0 47	1 57	1 43	25 38	8 4	16 30	16 51	19 39	6 19	1 40
M31	7n 4	10n50	1n55	13n 3	1n11	8n 0	0s56	23s58	0s35	16n12	1n14	7n57	2s14	13n 1	0n47	1s56	1n43	25s38	8s 4	16n30	16n52	19s39	6n21	1n40

Julian Day Number = 2193020.5, Delta T = 10m36s
Ecliptic obliquity = 23°31'46, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'07, Lahiri = 13°59'07 Julian Calendar 1 March 1292 == Greg. Calendar 8 March 1292

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

APRIL 1292 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 8 11	18♈54'10	20♍10	3♉ 9	23♈58	6♊40	19°R29	26♈ 1	27°R48	8°R49	9♒46	14°R33	13♌21	25♐52	12♈12	T 1
W 2	13 12 7	19°52'40	3♎21	5° 0	25°12	7°10	19♌28	26° 8	27♌47	8♎48	9°47	14♌25	13°18	25°59	12°16	W 2
T 3	13 16 4	20°51'08	16°19	6°48	26°26	7°40	19°27	26°16	27°45	8°46	9°48	14°16	13°15	26° 5	12°19	T 3
F 4	13 20 0	21°49'34	29° 6	8°33	27°40	8° 9	19°26	26°24	27°44	8°44	9°49	14° 4	13°11	26°12	12°23	F 4
S 5	13 23 57	22°47'58	11♏38	10°14	28°54	8°39	19°26	26°31	27°43	8°43	9°49	13°52	13° 8	26°19	12°27	S 5
S 6	13 27 53	23°46'20	23°58	11°52	0♉ 8	9° 8	19°25	26°39	27°42	8°41	9°50	13°40	13° 5	26°25	12°30	S 6
M 7	13 31 50	24°44'41	6♐ 6	13°25	1°22	9°37	19°25	26°47	27°41	8°40	9°51	13°30	13° 2	26°32	12°34	M 7
T 8	13 35 46	25°43'00	18° 5	14°55	2°36	10° 6	19°D25	26°55	27°40	8°38	9°52	13°22	12°59	26°39	12°37	T 8
W 9	13 39 43	26°41'17	29°57	16°20	3°50	10°35	19°25	27° 2	27°39	8°37	9°52	13°16	12°55	26°46	12°41	W 9
T 10	13 43 40	27°39'33	11♑46	17°40	5° 4	11° 4	19°25	27°10	27°38	8°35	9°53	13°13	12°52	26°52	12°44	T 10
F 11	13 47 36	28°37'47	23°38	18°56	6°18	11°32	19°26	27°18	27°37	8°34	9°53	13°12	12°49	26°59	12°48	F 11
S 12	13 51 33	29°36'00	5♒38	20° 8	7°32	12° 0	19°27	27°26	27°36	8°32	9°54	13°D12	12°46	27° 6	12°52	S 12
S 13	13 55 29	0♉34'11	17°51	21°15	8°46	12°28	19°27	27°33	27°35	8°31	9°55	13°R12	12°43	27°12	12°55	S 13
M14	13 59 26	1°32'21	0♓21	22°17	10° 0	12°55	19°29	27°41	27°35	8°29	9°55	13°11	12°40	27°19	12°59	M14
T 15	14 3 22	2°30'29	13°15	23°14	11°14	13°22	19°30	27°49	27°34	8°28	9°56	13° 8	12°36	27°26	13° 2	T 15
W16	14 7 19	3°28'35	26°34	24° 7	12°28	13°49	19°31	27°56	27°33	8°26	9°56	13° 3	12°33	27°32	13° 6	W16
T 17	14 11 15	4°26'40	10♈19	24°54	13°42	14°16	19°33	28° 4	27°33	8°25	9°56	12°55	12°30	27°39	13° 9	T 17
F 18	14 15 12	5°24'44	24°30	25°37	14°56	14°43	19°35	28°12	27°32	8°23	9°57	12°44	12°27	27°46	13°13	F 18
S 19	14 19 9	6°22'46	9♉ 1	26°14	16° 9	15° 9	19°37	28°20	27°32	8°22	9°57	12°33	12°24	27°52	13°16	S 19
S 20	14 23 5	7°20'46	23°46	26°47	17°23	15°35	19°39	28°27	27°31	8°20	9°58	12°22	12°20	27°59	13°19	S 20
M21	14 27 2	8°18'45	8♊36	27°14	18°37	16° 0	19°41	28°35	27°31	8°19	9°58	12°12	12°17	28° 6	13°23	M21
T 22	14 30 58	9°16'42	23°23	27°36	19°51	16°25	19°43	28°43	27°31	8°18	9°58	12° 4	12°14	28°12	13°26	T 22
W23	14 34 55	10°14'37	8♋ 0	27°53	21° 5	16°50	19°46	28°50	27°31	8°16	9°58	11°59	12°11	28°19	13°30	W23
T 24	14 38 51	11°12'30	22°22	28° 5	22°18	17°15	19°49	28°58	27°30	8°15	9°59	11°57	12° 8	28°26	13°33	T 24
F 25	14 42 48	12°10'22	6♌27	28°12	23°32	17°39	19°52	29° 5	27°30	8°14	9°59	11°57	12° 5	28°32	13°36	F 25
S 26	14 46 44	13° 8'11	20°14	28°R14	24°46	18° 3	19°55	29°13	27°30	8°12	9°59	11°56	12° 1	28°39	13°40	S 26
S 27	14 50 41	14° 5'59	3♍45	28°11	25°59	18°27	19°59	29°21	27°D30	8°11	9°59	11°56	11°58	28°46	13°43	S 27
M28	14 54 38	15° 3'45	17° 0	28° 4	27°13	18°50	20° 2	29°28	27°30	8°10	9°59	11°53	11°55	28°53	13°46	M28
T 29	14 58 34	16° 1'30	0♎ 3	27°52	28°27	19°13	20° 6	29°36	27°30	8° 9	10° 0	11°48	11°52	28°59	13°49	T 29
W30	15 2 31	16♉59'12	12♎53	27♉35	29♉40	19♊35	20♌10	29♈43	27♌30	8♎ 7	10♒ 0	11♌40	11♌49	29♐ 6	13♈53	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n26	6n37	2n57	13n53	1n21	8n30	0s54	23s59	0s37	16n12	1n14	8n 0	2s14	13n 1	0n47	1s56	1n43	25s38	8s 4	16n32	16n53	19s40	6n22	1n40
W 2	7 48	2 10	3 49	14 40	1 31	8 58	0 52	23 59	0 39	16 13	1 14	8 3	2 14	13 2	0 47	1 55	1 43	25 38	8 5	16 34	16 54	19 41	6 23	1 40
T 3	8 10	2s20	4 27	15 26	1 41	9 27	0 50	23 59	0 41	16 13	1 14	8 6	2 14	13 2	0 47	1 54	1 43	25 38	8 5	16 37	16 54	19 42	6 25	1 40
F 4	8 32	6 38	4 52	16 9	1 50	9 56	0 49	24 0	0 43	16 13	1 14	8 8	2 14	13 2	0 47	1 54	1 43	25 38	8 5	16 40	16 55	19 43	6 26	1 40
S 5	8 54	10 36	5 2	16 50	1 59	10 24	0 47	24 0	0 45	16 13	1 14	8 11	2 14	13 3	0 47	1 53	1 43	25 38	8 5	16 44	16 56	19 43	6 28	1 39
S 6	9 16	14 2	4 57	17 28	2 7	10 52	0 45	24 0	0 47	16 13	1 14	8 14	2 14	13 3	0 47	1 53	1 43	25 38	8 6	16 47	16 57	19 44	6 29	1 39
M 7	9 37	16 49	4 39	18 4	2 14	11 20	0 42	24 0	0 49	16 13	1 13	8 17	2 14	13 4	0 47	1 52	1 43	25 38	8 6	16 50	16 58	19 45	6 30	1 39
T 8	9 59	18 51	4 9	18 37	2 21	11 47	0 40	24 0	0 52	16 13	1 13	8 20	2 14	13 4	0 47	1 51	1 43	25 38	8 6	16 52	16 59	19 46	6 32	1 39
W 9	10 20	20 3	3 28	19 8	2 27	12 15	0 38	24 0	0 54	16 13	1 13	8 22	2 14	13 4	0 47	1 51	1 43	25 38	8 6	16 54	17 0	19 46	6 33	1 39
T 10	10 41	20 22	2 39	19 36	2 32	12 42	0 36	24 0	0 56	16 12	1 13	8 25	2 14	13 4	0 47	1 50	1 43	25 38	8 7	16 55	17 1	19 47	6 34	1 39
F 11	11 2	19 47	1 42	20 1	2 36	13 8	0 34	24 0	0 58	16 12	1 13	8 28	2 14	13 5	0 47	1 50	1 43	25 38	8 7	16 55	17 2	19 48	6 36	1 39
S 12	11 22	18 17	0 40	20 24	2 39	13 35	0 32	23 59	1 1	16 12	1 13	8 31	2 14	13 5	0 47	1 49	1 43	25 38	8 7	16 55	17 3	19 49	6 37	1 39
S 13	11 43	15 56	0s25	20 44	2 41	14 1	0 30	23 59	1 3	16 11	1 13	8 34	2 14	13 5	0 47	1 48	1 43	25 39	8 8	16 55	17 3	19 50	6 38	1 39
M14	12 3	12 47	1 30	21 2	2 43	14 26	0 27	23 59	1 5	16 11	1 12	8 36	2 14	13 5	0 47	1 48	1 43	25 39	8 8	16 55	17 4	19 50	6 40	1 39
T 15	12 23	8 57	2 32	21 17	2 43	14 52	0 25	23 59	1 8	16 10	1 12	8 39	2 14	13 6	0 47	1 47	1 43	25 39	8 8	16 56	17 5	19 51	6 41	1 39
W16	12 43	4 33	3 28	21 29	2 42	15 17	0 23	23 58	1 10	16 10	1 12	8 42	2 14	13 6	0 47	1 47	1 43	25 39	8 8	16 58	17 6	19 52	6 42	1 39
T 17	13 3	0n13	4 14	21 39	2 40	15 41	0 20	23 58	1 13	16 9	1 12	8 45	2 14	13 6	0 47	1 46	1 43	25 39	8 9	17 0	17 7	19 53	6 44	1 39
F 18	13 23	5 6	4 46	21 47	2 37	16 5	0 18	23 58	1 15	16 8	1 12	8 47	2 14	13 6	0 47	1 46	1 43	25 39	8 9	17 3	17 8	19 53	6 45	1 39
S 19	13 42	9 49	5 0	21 52	2 33	16 29	0 16	23 57	1 18	16 8	1 12	8 50	2 14	13 6	0 47	1 45	1 43	25 39	8 9	17 6	17 9	19 54	6 46	1 39
S 20	14 1	14 1	4 55	21 55	2 28	16 52	0 13	23 57	1 21	16 7	1 12	8 53	2 14	13 6	0 47	1 45	1 43	25 40	8 9	17 9	17 10	19 55	6 48	1 39
M21	14 20	17 23	4 30	21 55	2 22	17 15	0 11	23 57	1 23	16 6	1 11	8 55	2 14	13 6	0 46	1 44	1 43	25 40	8 10	17 12	17 11	19 55	6 49	1 39
T 22	14 38	19 35	3 47	21 53	2 15	17 38	0 8	23 56	1 26	16 5	1 11	8 58	2 14	13 7	0 46	1 44	1 43	25 40	8 10	17 14	17 12	19 56	6 50	1 39
W23	14 57	20 28	2 49	21 49	2 7	18 0	0 6	23 56	1 29	16 4	1 11	9 1	2 14	13 7	0 46	1 43	1 43	25 40	8 10	17 16	17 12	19 57	6 52	1 39
T 24	15 15	20 0	1 42	21 43	1 57	18 21	0 4	23 56	1 32	16 3	1 11	9 4	2 14	13 7	0 46	1 42	1 43	25 40	8 11	17 16	17 13	19 58	6 53	1 39
F 25	15 33	18 16	0 29	21 34	1 46	18 43	0 1	23 55	1 35	16 2	1 11	9 6	2 14	13 7	0 46	1 42	1 43	25 41	8 11	17 16	17 14	19 58	6 54	1 39
S 26	15 50	15 29	0n44	21 23	1 35	19 3	0n 1	23 55	1 37	16 1	1 11	9 9	2 14	13 7	0 46	1 42	1 43	25 41	8 11	17 16	17 15	19 59	6 55	1 39
S 27	16 8	11 55	1 53	21 10	1 22	19 23	0 4	23 55	1 40	15 59	1 10	9 11	2 14	13 7	0 46	1 41	1 43	25 41	8 11	17 17	17 16	20 0	6 57	1 39
M28	16 25	7 49	2 54	20 55	1 9	19 43	0 6	23 54	1 43	15 58	1 10	9 14	2 14	13 7	0 46	1 41	1 43	25 41	8 12	17 17	17 17	20 0	6 58	1 39
T 29	16 42	3 25	3 45	20 38	0 54	20 2	0 9	23 54	1 46	15 57	1 10	9 17	2 14	13 6	0 46	1 40	1 43	25 41	8 12	17 19	17 18	20 1	6 59	1 39
W30	16n58	1s 4	4n24	20n20	0n39	20n20	0n11	23s54	1s49	15n55	1n10	9n19	2s14	13n 6	0n46	1s40	1n43	25s42	8s12	17n21	17n19	20s 2	7n 0	1n39

Julian Day Number = 2193051.5, Delta T = 10m36s
Ecliptic obliquity = 23°31'46, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'11, Lahiri = 13°59'11 Julian Calendar 1 Apr. 1292 == Greg. Calendar 8 Apr. 1292

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

MAY 1292 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 6 27	17♉56'53	25♎33	27°R15	0♊54	19♑57	20♌14	29♈51	27♌30	8°R 6	10♒ 0	11°R29	11♌46	29♐13	13♈56	T 1
F 2	15 10 24	18°54'33	8♏ 2	26♉52	2° 8	20°19	20°18	29°58	27°31	8♎ 5	10° 0	11♌16	11°42	29°19	13°59	F 2
S 3	15 14 20	19°52'12	20°21	26°25	3°21	20°41	20°22	0♉ 6	27°31	8° 4	10°R 0	11° 3	11°39	29°26	14° 2	S 3
S 4	15 18 17	20°49'49	2♐30	25°56	4°35	21° 2	20°27	0°13	27°31	8° 3	10° 0	10°50	11°36	29°33	14° 5	S 4
M 5	15 22 13	21°47'25	14°31	25°24	5°48	21°22	20°31	0°20	27°32	8° 2	10° 0	10°38	11°33	29°39	14° 8	M 5
T 6	15 26 10	22°44'59	26°25	24°52	7° 2	21°42	20°36	0°28	27°32	8° 1	10° 0	10°29	11°30	29°46	14°11	T 6
W 7	15 30 7	23°42'33	8♑15	24°18	8°15	22° 2	20°41	0°35	27°33	8° 0	10° 0	10°23	11°26	29°53	14°14	W 7
T 8	15 34 3	24°40'06	20° 3	23°44	9°29	22°21	20°46	0°43	27°33	7°59	9°59	10°19	11°23	29°59	14°17	T 8
F 9	15 38 0	25°37'38	1♒54	23°10	10°42	22°40	20°51	0°50	27°34	7°58	9°59	10°17	11°20	0♑ 6	14°20	F 9
S 10	15 41 56	26°35'08	13°53	22°37	11°56	22°58	20°57	0°57	27°34	7°57	9°59	10°D17	11°17	0°13	14°23	S 10
S 11	15 45 53	27°32'38	26° 4	22° 5	13° 9	23°16	21° 2	1° 4	27°35	7°56	9°59	10°R17	11°14	0°19	14°26	S 11
M12	15 49 49	28°30'08	8♓33	21°36	14°22	23°33	21° 8	1°11	27°36	7°55	9°59	10°17	11°11	0°26	14°29	M12
T 13	15 53 46	29°27'36	21°25	21° 8	15°36	23°50	21°14	1°19	27°37	7°54	9°58	10°15	11° 7	0°33	14°32	T 13
W14	15 57 42	0♊25'03	4♈43	20°44	16°49	24° 6	21°20	1°26	27°38	7°53	9°58	10°10	11° 4	0°39	14°35	W14
T 15	16 1 39	1°22'30	18°30	20°23	18° 3	24°22	21°26	1°33	27°39	7°52	9°58	10° 4	11° 1	0°46	14°37	T 15
F 16	16 5 35	2°19'56	2♉46	20° 5	19°16	24°37	21°32	1°40	27°39	7°51	9°58	9°56	10°58	0°53	14°40	F 16
S 17	16 9 32	3°17'21	17°27	19°51	20°29	24°52	21°39	1°47	27°40	7°51	9°57	9°46	10°55	0°59	14°43	S 17
S 18	16 13 29	4°14'46	2♊26	19°41	21°43	25° 6	21°45	1°54	27°42	7°50	9°57	9°36	10°52	1° 6	14°45	S 18
M19	16 17 25	5°12'10	17°34	19°36	22°56	25°19	21°52	2° 1	27°43	7°49	9°56	9°28	10°48	1°13	14°48	M19
T 20	16 21 22	6° 9'32	2♋40	19°D35	24° 9	25°32	21°59	2° 8	27°44	7°48	9°56	9°21	10°45	1°19	14°51	T 20
W21	16 25 18	7° 6'54	17°36	19°38	25°23	25°45	22° 6	2°15	27°45	7°48	9°56	9°17	10°42	1°26	14°53	W21
T 22	16 29 15	8° 4'15	2♌14	19°46	26°36	25°56	22°13	2°21	27°46	7°47	9°55	9°15	10°39	1°33	14°56	T 22
F 23	16 33 11	9° 1'35	16°30	19°58	27°49	26° 7	22°20	2°28	27°48	7°47	9°55	9°D15	10°36	1°40	14°58	F 23
S 24	16 37 8	9°58'53	0♍24	20°15	29° 2	26°18	22°28	2°35	27°49	7°46	9°54	9°16	10°32	1°46	15° 1	S 24
S 25	16 41 5	10°56'11	13°54	20°37	0♋16	26°27	22°35	2°41	27°51	7°45	9°54	9°R16	10°29	1°53	15° 3	S 25
M26	16 45 1	11°53'28	27° 5	21° 2	1°29	26°37	22°43	2°48	27°52	7°45	9°53	9°15	10°26	2° 0	15° 5	M26
T 27	16 48 58	12°50'43	9♎58	21°33	2°42	26°45	22°50	2°55	27°54	7°44	9°52	9°12	10°23	2° 6	15° 8	T 27
W28	16 52 54	13°47'58	22°36	22° 7	3°55	26°53	22°58	3° 1	27°55	7°44	9°52	9° 6	10°20	2°13	15°10	W28
T 29	16 56 51	14°45'12	5♏ 1	22°46	5° 8	27° 0	23° 6	3° 8	27°57	7°43	9°51	8°59	10°17	2°20	15°12	T 29
F 30	17 0 47	15°42'26	17°16	23°29	6°21	27° 6	23°14	3°14	27°58	7°43	9°51	8°50	10°13	2°26	15°14	F 30
S 31	17 4 44	16♊39'38	29♏23	24♉16	7♋34	27♑12	23♌23	3♉20	28♌ 0	7♎43	9♒50	8♌40	10♌10	2♑33	15♈16	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	17n15	5s26	4n49	19n59	0n23	20n38	0n14	23s54	1s53	15n54	1n10	9n22	2s14	13n 6	0n46	1s39	1n43	25s42	8s13	17n24	17n20	20s 3	7n 2	1n39	
F 2	17 31	9 30	5 0	19 38	0 6	20 56	0 16	23 54	1 56	15 53	1 10	9 24	2 14	13 6	0 46	1 39	1 43	25 42	8 13	17 28	17 20	20 3	7 3	1 39	
S 3	17 46	13 8	4 56	19 15	0s11	21 13	0 19	23 54	1 59	15 51	1 10	9 27	2 14	13 6	0 46	1 38	1 43	25 42	8 13	17 31	17 21	20 4	7 4	1 39	
S 4	18 2	16 10	4 39	18 51	0 28	21 29	0 21	23 54	2 2	15 50	1 9	9 30	2 14	13 6	0 46	1 38	1 43	25 43	8 13	17 35	17 22	20 5	7 5	1 39	
M 5	18 17	18 29	4 10	18 27	0 45	21 44	0 23	23 54	2 6	15 48	1 9	9 32	2 15	13 6	0 46	1 38	1 43	25 43	8 14	17 38	17 23	20 5	7 7	1 39	
T 6	18 32	19 59	3 30	18 2	1 3	21 59	0 26	23 54	2 9	15 46	1 9	9 35	2 15	13 6	0 46	1 37	1 43	25 43	8 14	17 41	17 24	20 6	7 8	1 39	
W 7	18 46	20 35	2 41	17 37	1 20	22 14	0 28	23 54	2 12	15 44	1 9	9 37	2 15	13 5	0 46	1 37	1 43	25 44	8 14	17 42	17 25	20 7	7 9	1 39	
T 8	19 0	20 17	1 45	17 12	1 37	22 28	0 31	23 54	2 16	15 43	1 9	9 40	2 15	13 5	0 46	1 36	1 42	25 44	8 15	17 43	17 26	20 7	7 10	1 39	
F 9	19 14	19 5	0 44	16 48	1 54	22 41	0 33	23 54	2 19	15 41	1 9	9 42	2 15	13 5	0 46	1 36	1 42	25 44	8 15	17 44	17 27	20 8	7 11	1 38	
S 10	19 28	17 2	0s19	16 24	2 10	22 53	0 36	23 55	2 23	15 39	1 9	9 44	2 15	13 5	0 46	1 36	1 42	25 45	8 15	17 44	17 27	20 9	7 12	1 38	
S 11	19 41	14 11	1 23	16 2	2 25	23 5	0 38	23 55	2 27	15 37	1 8	9 47	2 15	13 4	0 46	1 35	1 42	25 45	8 15	17 44	17 28	20 9	7 13	1 38	
M12	19 54	10 37	2 24	15 40	2 39	23 17	0 40	23 56	2 30	15 35	1 8	9 49	2 15	13 4	0 46	1 35	1 42	25 45	8 16	17 44	17 29	20 10	7 15	1 38	
T 13	20 7	6 29	3 20	15 20	2 52	23 27	0 43	23 57	2 34	15 33	1 8	9 52	2 15	13 4	0 46	1 35	1 42	25 46	8 16	17 45	17 30	20 11	7 16	1 38	
W14	20 19	1 54	4 8	15 2	3 5	23 37	0 45	23 58	2 38	15 31	1 8	9 54	2 15	13 3	0 46	1 34	1 42	25 46	8 16	17 46	17 31	20 11	7 17	1 38	
T 15	20 31	2n56	4 42	14 46	3 16	23 46	0 47	23 58	2 42	15 29	1 8	9 56	2 15	13 3	0 46	1 34	1 42	25 46	8 17	17 47	17 32	20 12	7 18	1 38	
F 16	20 42	7 46	5 1	14 32	3 26	23 55	0 49	24 0	2 45	15 27	1 8	9 59	2 15	13 3	0 45	1 34	1 42	25 47	8 17	17 50	17 33	20 12	7 19	1 38	
S 17	20 54	12 18	5 0	14 20	3 34	24 3	0 52	24 1	2 49	15 25	1 8	10 1	2 15	13 2	0 45	1 34	1 42	25 47	8 17	17 52	17 34	20 13	7 20	1 38	
S 18	21 4	16 9	4 40	14 10	3 42	24 10	0 54	24 2	2 53	15 22	1 7	10 3	2 16	13 2	0 45	1 33	1 42	25 47	8 17	17 55	17 34	20 14	7 21	1 38	
M19	21 15	18 58	3 59	14 2	3 48	24 16	0 56	24 3	2 57	15 20	1 7	10 6	2 16	13 1	0 45	1 33	1 42	25 48	8 18	17 57	17 35	20 14	7 22	1 38	
T 20	21 25	20 28	3 2	13 57	3 53	24 22	0 58	24 5	3 1	15 18	1 7	10 8	2 16	13 1	0 45	1 33	1 42	25 48	8 18	17 59	17 36	20 15	7 23	1 38	
W21	21 35	20 30	1 53	13 54	3 57	24 27	1 0	24 7	3 6	15 15	1 7	10 10	2 16	13 0	0 45	1 33	1 42	25 48	8 18	18 0	17 37	20 16	7 24	1 38	
T 22	21 44	19 8	0 37	13 54	4 0	24 31	1 2	24 9	3 10	15 13	1 7	10 12	2 16	13 0	0 45	1 32	1 42	25 49	8 18	18 0	17 38	20 16	7 25	1 38	
F 23	21 53	16 34	0n39	13 55	4 1	24 35	1 4	24 11	3 14	15 10	1 7	10 15	2 16	12 59	0 45	1 32	1 42	25 49	8 19	18 0	17 39	20 17	7 26	1 38	
S 24	22 2	13 6	1 51	13 59	4 2	24 38	1 6	24 13	3 18	15 8	1 7	10 17	2 16	12 59	0 45	1 32	1 42	25 50	8 19	18 0	17 40	20 17	7 27	1 38	
S 25	22 10	9 2	2 54	14 5	4 1	24 40	1 8	24 15	3 22	15 5	1 7	10 19	2 16	12 58	0 45	1 32	1 42	25 50	8 19	18 0	17 41	20 18	7 28	1 38	
M26	22 18	4 38	3 47	14 14	4 0	24 41	1 10	24 17	3 27	15 3	1 6	10 21	2 16	12 58	0 45	1 32	1 42	25 50	8 19	18 0	17 41	20 19	7 29	1 38	
T 27	22 25	0 8	4 27	14 24	3 57	24 42	1 12	24 20	3 31	15 0	1 6	10 23	2 17	12 57	0 45	1 32	1 42	25 51	8 20	18 1	17 42	20 19	7 30	1 38	
W28	22 33	4s17	4 53	14 36	3 54	24 42	1 14	24 23	3 35	14 57	1 6	10 25	2 17	12 57	0 45	1 31	1 42	25 51	8 20	18 3	17 43	20 20	7 30	1 38	
T 29	22 39	8 27	5 5	14 50	3 50	24 41	1 15	24 26	3 40	14 54	1 6	10 27	2 17	12 56	0 45	1 31	1 42	25 52	8 20	18 5	17 44	20 20	7 31	1 39	
F 30	22 46	12 13	5 2	15 5	3 45	24 39	1 17	24 29	3 44	14 52	1 6	10 30	2 17	12 56	0 45	1 31	1 42	25 52	8 20	18 7	17 45	20 21	7 32	1 39	
S 31	22n51	15s26	4n46	15n22	3s39	24n37	1n19	24s32	3s49	14n49	1n 6	10n32	2s17	12n55	0n45	1s31	1n41	25s52	8s21	18n10	17n46	20s22	7n33	1n39	

Julian Day Number = 2193081.5, Delta T = 10m36s
Ecliptic obliquity = 23°31'46, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'15, Lahiri = 13°59'15 Julian Calendar 1 May 1292 == Greg. Calendar 8 May 1292

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

JUNE 1292 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 8 40	17♊36'51	11♐22	25♉ 7	8♋47	27♏17	23♌31	3♉27	28♌ 2	7°R42	9°R49	8°R31	10♌ 7	2♏40	15♈19	S 1
M 2	17 12 37	18°34'03	23°17	26° 2	10° 0	27°21	23°39	3°33	28° 4	7♎42	9♒48	8♌23	10° 4	2°46	15°21	M 2
T 3	17 16 34	19°31'14	5♏ 7	27° 1	11°13	27°25	23°48	3°39	28° 6	7°42	9°48	8°16	10° 1	2°53	15°23	T 3
W 4	17 20 30	20°28'25	16°56	28° 4	12°26	27°28	23°57	3°45	28° 7	7°42	9°47	8°11	9°58	3° 0	15°25	W 4
T 5	17 24 27	21°25'36	28°45	29°10	13°39	27°30	24° 5	3°51	28° 9	7°41	9°46	8° 9	9°54	3° 6	15°27	T 5
F 6	17 28 23	22°22'47	10♒38	0♊20	14°52	27°31	24°14	3°57	28°11	7°41	9°45	8°D 9	9°51	3°13	15°28	F 6
S 7	17 32 20	23°19'57	22°39	1°34	16° 5	27°R32	24°23	4° 3	28°13	7°41	9°45	8°10	9°48	3°20	15°30	S 7
S 8	17 36 16	24°17'08	4♓51	2°52	17°18	27°32	24°32	4° 9	28°16	7°41	9°44	8°11	9°45	3°26	15°32	S 8
M 9	17 40 13	25°14'19	17°20	4°13	18°31	27°31	24°41	4°15	28°18	7°41	9°43	8°12	9°42	3°33	15°34	M 9
T 10	17 44 9	26°11'29	0♈ 9	5°38	19°44	27°29	24°51	4°21	28°20	7°41	9°42	8°R12	9°38	3°40	15°35	T 10
W11	17 48 6	27° 8'40	13°23	7° 6	20°57	27°26	25° 0	4°27	28°22	7°D41	9°41	8°11	9°35	3°46	15°37	W11
T 12	17 52 3	28° 5'51	27° 5	8°38	22°10	27°23	25°10	4°32	28°24	7°41	9°40	8° 8	9°32	3°53	15°39	T 12
F 13	17 55 59	29° 3'02	11♉16	10°13	23°23	27°19	25°19	4°38	28°27	7°41	9°39	8° 4	9°29	4° 0	15°40	F 13
S 14	17 59 56	0♋ 0'13	25°52	11°51	24°35	27°14	25°29	4°43	28°29	7°41	9°38	7°59	9°26	4° 6	15°42	S 14
S 15	18 3 52	0°57'25	10♊50	13°33	25°48	27° 9	25°39	4°49	28°31	7°41	9°37	7°53	9°23	4°13	15°43	S 15
M16	18 7 49	1°54'37	26° 1	15°18	27° 1	27° 3	25°48	4°54	28°34	7°41	9°36	7°48	9°19	4°20	15°45	M16
T 17	18 11 45	2°51'49	11♋15	17° 6	28°14	26°56	25°58	5° 0	28°36	7°41	9°35	7°45	9°16	4°26	15°46	T 17
W18	18 15 42	3°49'00	26°22	18°57	29°26	26°48	26° 8	5° 5	28°39	7°42	9°34	7°43	9°13	4°33	15°47	W18
T 19	18 19 38	4°46'12	11♌13	20°51	0♌39	26°40	26°19	5°10	28°41	7°42	9°33	7°D43	9°10	4°40	15°49	T 19
F 20	18 23 35	5°43'24	25°42	22°47	1°52	26°30	26°29	5°15	28°44	7°42	9°32	7°43	9° 7	4°46	15°50	F 20
S 21	18 27 32	6°40'36	9♍46	24°46	3° 4	26°21	26°39	5°20	28°46	7°42	9°31	7°45	9° 4	4°53	15°51	S 21
S 22	18 31 28	7°37'47	23°24	26°47	4°17	26°10	26°49	5°25	28°49	7°43	9°30	7°46	9° 0	5° 0	15°52	S 22
M23	18 35 25	8°34'59	6♎37	28°50	5°30	25°59	27° 0	5°30	28°52	7°43	9°29	7°R47	8°57	5° 6	15°53	M23
T 24	18 39 21	9°32'10	19°29	0♋55	6°42	25°48	27°11	5°35	28°55	7°43	9°28	7°46	8°54	5°13	15°54	T 24
W25	18 43 18	10°29'21	2♏ 2	3° 1	7°55	25°36	27°21	5°39	28°57	7°44	9°27	7°45	8°51	5°20	15°55	W25
T 26	18 47 14	11°26'33	14°20	5° 8	9° 7	25°23	27°32	5°44	29° 0	7°44	9°26	7°42	8°48	5°26	15°56	T 26
F 27	18 51 11	12°23'45	26°27	7°16	10°20	25°10	27°43	5°49	29° 3	7°45	9°24	7°38	8°44	5°33	15°57	F 27
S 28	18 55 7	13°20'57	8♐26	9°24	11°32	24°56	27°53	5°53	29° 6	7°45	9°23	7°34	8°41	5°40	15°57	S 28
S 29	18 59 4	14°18'09	20°19	11°33	12°44	24°42	28° 4	5°57	29° 9	7°46	9°22	7°31	8°38	5°46	15°58	S 29
M30	19 3 1	15♋15'22	2♏ 9	13♋41	13♌57	24♏28	28♌15	6♉ 2	29♌12	7♎47	9♒21	7♌27	8♌35	5♏53	15♈59	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n57	17s59	4n18	15n41	3s32	24n34	1n20	24s36	3s53	14n46	1n 6	10n34	2s17	12n54	0n45	1s31	1n41	25s53	8s21	18n12	17n47	20s22	7n34	1n39
M 2	23 2	19 44	3 38	16 1	3 25	24 31	1 22	24 39	3 58	14 43	1 6	10 36	2 17	12 54	0 45	1 31	1 41	25 53	8 21	18 14	17 47	20 23	7 35	1 39
T 3	23 7	20 37	2 49	16 22	3 17	24 26	1 23	24 43	4 2	14 40	1 6	10 38	2 18	12 53	0 45	1 31	1 41	25 54	8 21	18 16	17 48	20 23	7 35	1 39
W 4	23 11	20 36	1 52	16 45	3 8	24 21	1 25	24 47	4 7	14 37	1 5	10 39	2 18	12 52	0 45	1 31	1 41	25 54	8 22	18 17	17 49	20 24	7 36	1 39
T 5	23 15	19 40	0 51	17 8	2 59	24 15	1 26	24 51	4 12	14 34	1 5	10 41	2 18	12 51	0 45	1 31	1 41	25 55	8 22	18 18	17 50	20 24	7 37	1 39
F 6	23 19	17 51	0s13	17 32	2 50	24 9	1 27	24 55	4 16	14 31	1 5	10 43	2 18	12 51	0 45	1 31	1 41	25 55	8 22	18 18	17 51	20 25	7 38	1 39
S 7	23 22	15 15	1 18	17 57	2 40	24 1	1 29	25 0	4 21	14 28	1 5	10 45	2 18	12 50	0 45	1 31	1 41	25 56	8 22	18 18	17 52	20 25	7 38	1 39
S 8	23 24	11 56	2 20	18 22	2 29	23 53	1 30	25 4	4 26	14 25	1 5	10 47	2 18	12 49	0 45	1 31	1 41	25 56	8 23	18 17	17 53	20 26	7 39	1 39
M 9	23 27	8 2	3 17	18 48	2 18	23 45	1 31	25 9	4 30	14 22	1 5	10 49	2 18	12 48	0 45	1 31	1 41	25 57	8 23	18 17	17 53	20 27	7 40	1 39
T 10	23 28	3 41	4 5	19 15	2 7	23 35	1 32	25 14	4 35	14 18	1 5	10 51	2 19	12 48	0 45	1 31	1 41	25 57	8 23	18 17	17 54	20 27	7 41	1 39
W11	23 30	0n58	4 42	19 41	1 55	23 25	1 33	25 19	4 39	14 15	1 5	10 52	2 19	12 47	0 45	1 31	1 41	25 57	8 23	18 17	17 55	20 28	7 41	1 39
T 12	23 31	5 44	5 5	20 7	1 44	23 15	1 34	25 24	4 44	14 12	1 5	10 54	2 19	12 46	0 44	1 31	1 41	25 58	8 24	18 18	17 56	20 28	7 42	1 39
F 13	23 32	10 21	5 10	20 33	1 32	23 3	1 35	25 29	4 49	14 9	1 5	10 56	2 19	12 45	0 44	1 31	1 41	25 58	8 24	18 19	17 57	20 29	7 42	1 39
S 14	23 32	14 30	4 56	20 59	1 19	22 51	1 36	25 35	4 53	14 5	1 4	10 57	2 19	12 44	0 44	1 31	1 41	25 59	8 24	18 21	17 58	20 29	7 43	1 39
S 15	23 32	17 51	4 21	21 24	1 7	22 39	1 36	25 40	4 58	14 2	1 4	10 59	2 19	12 44	0 44	1 31	1 41	25 59	8 24	18 22	17 58	20 30	7 44	1 39
M16	23 31	20 0	3 28	21 48	0 55	22 25	1 37	25 46	5 2	13 58	1 4	11 1	2 20	12 43	0 44	1 31	1 41	26 0	8 24	18 23	17 59	20 30	7 44	1 39
T 17	23 30	20 44	2 19	22 12	0 43	22 11	1 38	25 52	5 7	13 55	1 4	11 2	2 20	12 42	0 44	1 31	1 41	26 0	8 25	18 24	18 0	20 31	7 45	1 39
W18	23 28	19 57	1 2	22 34	0 30	21 57	1 38	25 58	5 11	13 51	1 4	11 4	2 20	12 41	0 44	1 31	1 41	26 1	8 25	18 25	18 1	20 31	7 45	1 39
T 19	23 27	17 47	0n19	22 54	0 18	21 42	1 39	26 3	5 15	13 48	1 4	11 5	2 20	12 40	0 44	1 32	1 41	26 1	8 25	18 25	18 2	20 32	7 46	1 39
F 20	23 24	14 31	1 37	23 13	0 7	21 26	1 39	26 9	5 20	13 44	1 4	11 7	2 20	12 39	0 44	1 32	1 40	26 2	8 25	18 24	18 3	20 32	7 46	1 39
S 21	23 22	10 30	2 47	23 30	0n 5	21 9	1 39	26 15	5 24	13 41	1 4	11 8	2 21	12 38	0 44	1 32	1 40	26 2	8 25	18 24	18 4	20 33	7 47	1 39
S 22	23 19	6 4	3 45	23 45	0 16	20 52	1 40	26 22	5 28	13 37	1 4	11 10	2 21	12 37	0 44	1 32	1 40	26 3	8 26	18 24	18 4	20 33	7 47	1 39
M23	23 15	1 28	4 29	23 58	0 27	20 35	1 40	26 28	5 32	13 33	1 4	11 11	2 21	12 36	0 44	1 32	1 40	26 3	8 26	18 24	18 5	20 34	7 48	1 39
T 24	23 11	3s 3	4 58	24 9	0 37	20 17	1 40	26 34	5 36	13 30	1 4	11 13	2 21	12 35	0 44	1 32	1 40	26 4	8 26	18 24	18 6	20 34	7 48	1 39
W25	23 7	7 20	5 12	24 16	0 47	19 58	1 40	26 40	5 40	13 26	1 4	11 14	2 21	12 34	0 44	1 33	1 40	26 4	8 26	18 24	18 7	20 35	7 48	1 39
T 26	23 2	11 14	5 12	24 21	0 56	19 39	1 40	26 46	5 43	13 22	1 3	11 15	2 22	12 33	0 44	1 33	1 40	26 5	8 26	18 25	18 8	20 35	7 49	1 39
F 27	22 57	14 37	4 57	24 24	1 4	19 19	1 40	26 52	5 47	13 18	1 3	11 17	2 22	12 32	0 44	1 33	1 40	26 5	8 26	18 26	18 9	20 36	7 49	1 39
S 28	22 51	17 21	4 30	24 23	1 12	18 59	1 40	26 58	5 51	13 14	1 3	11 18	2 22	12 31	0 44	1 33	1 40	26 6	8 27	18 27	18 9	20 36	7 49	1 39
S 29	22 46	19 20	3 51	24 20	1 19	18 38	1 39	27 4	5 54	13 11	1 3	11 19	2 22	12 30	0 44	1 34	1 40	26 6	8 27	18 28	18 10	20 36	7 50	1 39
M30	22n39	20s29	3n 2	24n14	1n25	18n17	1n39	27s10	5s57	13n 7	1n 3	11n21	2s22	12n29	0n44	1s34	1n40	26s 7	8s27	18n29	18n11	20s37	7n50	1n39

Julian Day Number = 2193112.5, Delta T = 10m36s
Ecliptic obliquity = 23°31'46, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'19, Lahiri = 13°59'20 Julian Calendar 1 June 1292 == Greg. Calendar 8 June 1292

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

JULY 1292 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 6 57	16♋12'35	13♑58	15♋49	15♌ 9	24°R13	28♌26	6♉ 6	29♌15	7♎47	9°R20	7°R25	8♌32	6♑ 0	16♈ 0	T 1
W 2	19 10 54	17° 9'48	25°49	17°57	16°21	23♑58	28°38	6°10	29°18	7°48	9♒18	7♌23	8°29	6° 6	16° 0	W 2
T 3	19 14 50	18° 7'03	7♒43	20° 4	17°34	23°42	28°49	6°14	29°21	7°49	9°17	7°D23	8°25	6°13	16° 1	T 3
F 4	19 18 47	19° 4'18	19°42	22° 9	18°46	23°26	29° 0	6°18	29°24	7°49	9°16	7°23	8°22	6°20	16° 1	F 4
S 5	19 22 43	20° 1'33	1♓51	24°14	19°58	23°10	29°11	6°22	29°27	7°50	9°15	7°24	8°19	6°26	16° 1	S 5
S 6	19 26 40	20°58'49	14°10	26°17	21°10	22°54	29°23	6°26	29°30	7°51	9°13	7°26	8°16	6°33	16° 2	S 6
M 7	19 30 36	21°56'07	26°44	28°19	22°23	22°38	29°34	6°30	29°33	7°52	9°12	7°27	8°13	6°40	16° 2	M 7
T 8	19 34 33	22°53'25	9♈36	0♌20	23°35	22°22	29°46	6°33	29°36	7°52	9°11	7°28	8°10	6°46	16° 2	T 8
W 9	19 38 30	23°50'44	22°49	2°19	24°47	22° 5	29°57	6°37	29°39	7°53	9°10	7°R28	8° 6	6°53	16° 3	W 9
T 10	19 42 26	24°48'05	6♉24	4°17	25°59	21°49	0♍ 9	6°40	29°43	7°54	9° 8	7°28	8° 3	7° 0	16° 3	T 10
F 11	19 46 23	25°45'26	20°25	6°13	27°11	21°33	0°21	6°44	29°46	7°55	9° 7	7°27	8° 0	7° 6	16° 3	F 11
S 12	19 50 19	26°42'49	4♊48	8° 7	28°23	21°16	0°32	6°47	29°49	7°56	9° 6	7°26	7°57	7°13	16°R 3	S 12
S 13	19 54 16	27°40'13	19°32	10° 0	29°35	21° 0	0°44	6°50	29°52	7°57	9° 4	7°25	7°54	7°20	16° 3	S 13
M14	19 58 12	28°37'38	4♋31	11°51	0♍47	20°45	0°56	6°53	29°56	7°58	9° 3	7°24	7°50	7°26	16° 3	M14
T 15	20 2 9	29°35'04	19°37	13°40	1°59	20°29	1° 8	6°56	29°59	7°59	9° 2	7°23	7°47	7°33	16° 3	T 15
W16	20 6 5	0♌32'31	4♌41	15°28	3°10	20°14	1°20	6°59	0♍ 3	8° 0	9° 0	7°D23	7°44	7°40	16° 2	W16
T 17	20 10 2	1°29'59	19°34	17°14	4°22	19°59	1°32	7° 2	0° 6	8° 1	8°59	7°23	7°41	7°46	16° 2	T 17
F 18	20 13 59	2°27'28	4♍10	18°59	5°34	19°44	1°44	7° 4	0° 9	8° 2	8°58	7°23	7°38	7°53	16° 2	F 18
S 19	20 17 55	3°24'57	18°21	20°42	6°46	19°30	1°56	7° 7	0°13	8° 4	8°56	7°24	7°35	8° 0	16° 2	S 19
S 20	20 21 52	4°22'28	2♎ 7	22°23	7°57	19°16	2° 8	7° 9	0°16	8° 5	8°55	7°24	7°31	8° 6	16° 1	S 20
M21	20 25 48	5°19'59	15°27	24° 3	9° 9	19° 3	2°20	7°12	0°20	8° 6	8°54	7°24	7°28	8°13	16° 1	M21
T 22	20 29 45	6°17'32	28°23	25°41	10°21	18°50	2°33	7°14	0°23	8° 7	8°52	7°24	7°25	8°20	16° 0	T 22
W23	20 33 41	7°15'05	10♏57	27°18	11°32	18°38	2°45	7°16	0°27	8° 9	8°51	7°24	7°22	8°26	16° 0	W23
T 24	20 37 38	8°12'39	23°13	28°53	12°44	18°27	2°57	7°18	0°30	8°10	8°50	7°24	7°19	8°33	15°59	T 24
F 25	20 41 34	9°10'14	5♐17	0♍27	13°55	18°16	3°10	7°20	0°34	8°11	8°48	7°25	7°15	8°40	15°58	F 25
S 26	20 45 31	10° 7'50	17°12	1°59	15° 7	18° 5	3°22	7°22	0°37	8°13	8°47	7°25	7°12	8°46	15°58	S 26
S 27	20 49 28	11° 5'27	29° 2	3°29	16°18	17°56	3°35	7°24	0°41	8°14	8°46	7°25	7° 9	8°53	15°57	S 27
M28	20 53 24	12° 3'05	10♑51	4°58	17°29	17°47	3°47	7°26	0°45	8°15	8°44	7°26	7° 6	9° 0	15°56	M28
T 29	20 57 21	13° 0'45	22°42	6°25	18°41	17°39	3°59	7°27	0°48	8°17	8°43	7°26	7° 3	9° 6	15°55	T 29
W30	21 1 17	13°58'26	4♒38	7°51	19°52	17°32	4°12	7°29	0°52	8°18	8°42	7°R26	7° 0	9°13	15°54	W30
T 31	21 5 14	14♌56'08	16♒40	9♍15	21♍ 3	17♑25	4♍25	7♉30	0♍56	8♎20	8♒40	7♌26	6♌56	9♑20	15♈53	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n32	20s43	2n 6	24n 5	1n31	17n55	1n38	27s16	6s 0	13n 3	1n 3	11n22	2s23	12n28	0n44	1s34	1n40	26s 7	8s27	18n29	18n12	20s37	7n50	1n39
W 2	22 25	20 1	1 3	23 54	1 35	17 33	1 38	27 21	6 3	12 59	1 3	11 23	2 23	12 27	0 44	1 35	1 40	26 8	8 27	18 30	18 13	20 38	7 50	1 39
T 3	22 18	18 26	0s 2	23 40	1 39	17 10	1 37	27 27	6 6	12 55	1 3	11 24	2 23	12 26	0 44	1 35	1 40	26 8	8 27	18 30	18 14	20 38	7 51	1 39
F 4	22 10	16 2	1 8	23 23	1 43	16 47	1 37	27 32	6 9	12 51	1 3	11 25	2 23	12 25	0 44	1 35	1 40	26 9	8 28	18 30	18 14	20 39	7 51	1 39
S 5	22 2	12 54	2 11	23 4	1 45	16 24	1 36	27 38	6 11	12 47	1 3	11 26	2 23	12 24	0 44	1 36	1 40	26 9	8 28	18 29	18 15	20 39	7 51	1 39
S 6	21 53	9 10	3 10	22 43	1 47	16 0	1 35	27 43	6 14	12 43	1 3	11 27	2 24	12 22	0 44	1 36	1 40	26 10	8 28	18 29	18 16	20 40	7 51	1 39
M 7	21 44	4 59	4 0	22 20	1 48	15 35	1 34	27 48	6 16	12 39	1 3	11 28	2 24	12 21	0 44	1 36	1 40	26 10	8 28	18 29	18 17	20 40	7 51	1 39
T 8	21 35	0 29	4 40	21 55	1 48	15 10	1 33	27 52	6 18	12 35	1 3	11 29	2 24	12 20	0 44	1 37	1 40	26 10	8 28	18 28	18 18	20 40	7 51	1 39
W 9	21 25	4n 9	5 7	21 28	1 48	14 45	1 32	27 57	6 20	12 30	1 3	11 30	2 24	12 19	0 44	1 37	1 40	26 11	8 28	18 28	18 19	20 41	7 52	1 39
T 10	21 15	8 43	5 17	21 0	1 47	14 20	1 31	28 1	6 21	12 26	1 3	11 31	2 25	12 18	0 44	1 37	1 39	26 11	8 28	18 28	18 19	20 41	7 52	1 39
F 11	21 4	12 57	5 9	20 30	1 46	13 54	1 30	28 5	6 23	12 22	1 3	11 32	2 25	12 17	0 44	1 38	1 39	26 12	8 29	18 29	18 20	20 42	7 52	1 39
S 12	20 54	16 33	4 42	19 58	1 43	13 28	1 28	28 9	6 24	12 18	1 3	11 33	2 25	12 16	0 44	1 38	1 39	26 12	8 29	18 29	18 21	20 42	7 52	1 39
S 13	20 42	19 12	3 55	19 26	1 41	13 1	1 27	28 13	6 25	12 14	1 3	11 34	2 25	12 14	0 44	1 39	1 39	26 13	8 29	18 29	18 22	20 42	7 52	1 39
M14	20 31	20 35	2 53	18 52	1 38	12 34	1 25	28 16	6 26	12 9	1 2	11 34	2 25	12 13	0 44	1 39	1 39	26 13	8 29	18 29	18 23	20 43	7 52	1 39
T 15	20 19	20 29	1 37	18 17	1 34	12 7	1 24	28 20	6 27	12 5	1 2	11 35	2 26	12 12	0 44	1 40	1 39	26 14	8 29	18 30	18 23	20 43	7 52	1 39
W16	20 7	18 55	0 15	17 41	1 30	11 39	1 22	28 23	6 27	12 1	1 2	11 36	2 26	12 11	0 44	1 40	1 39	26 14	8 29	18 30	18 24	20 44	7 52	1 39
T 17	19 54	16 4	1n 7	17 5	1 25	11 11	1 20	28 25	6 27	11 56	1 2	11 37	2 26	12 10	0 44	1 41	1 39	26 15	8 29	18 30	18 25	20 44	7 52	1 39
F 18	19 41	12 15	2 23	16 28	1 20	10 43	1 19	28 28	6 28	11 52	1 2	11 37	2 26	12 8	0 44	1 41	1 39	26 15	8 29	18 30	18 26	20 44	7 51	1 39
S 19	19 28	7 49	3 29	15 50	1 15	10 15	1 17	28 30	6 28	11 48	1 2	11 38	2 27	12 7	0 44	1 42	1 39	26 16	8 29	18 29	18 27	20 45	7 51	1 39
S 20	19 14	3 7	4 20	15 11	1 9	9 46	1 15	28 32	6 27	11 43	1 2	11 38	2 27	12 6	0 44	1 42	1 39	26 16	8 29	18 29	18 28	20 45	7 51	1 39
M21	19 0	1s34	4 55	14 32	1 3	9 17	1 13	28 33	6 27	11 39	1 2	11 39	2 27	12 5	0 44	1 43	1 39	26 17	8 30	18 29	18 28	20 46	7 51	1 39
T 22	18 46	6 3	5 14	13 53	0 56	8 48	1 11	28 34	6 26	11 34	1 2	11 39	2 27	12 3	0 44	1 43	1 39	26 17	8 30	18 29	18 29	20 46	7 51	1 40
W23	18 32	10 8	5 17	13 14	0 49	8 19	1 9	28 35	6 26	11 30	1 2	11 40	2 28	12 2	0 44	1 44	1 39	26 17	8 30	18 29	18 30	20 46	7 51	1 40
T 24	18 17	13 43	5 6	12 34	0 42	7 50	1 6	28 36	6 25	11 25	1 2	11 40	2 28	12 1	0 44	1 44	1 39	26 18	8 30	18 29	18 31	20 47	7 50	1 40
F 25	18 2	16 39	4 41	11 54	0 35	7 20	1 4	28 37	6 24	11 21	1 2	11 41	2 28	12 0	0 44	1 45	1 39	26 18	8 30	18 29	18 32	20 47	7 50	1 40
S 26	17 46	18 51	4 4	11 14	0 27	6 50	1 2	28 37	6 23	11 16	1 2	11 41	2 28	11 58	0 43	1 45	1 39	26 19	8 30	18 29	18 32	20 47	7 50	1 40
S 27	17 31	20 14	3 18	10 34	0 19	6 20	0 59	28 37	6 21	11 12	1 2	11 42	2 29	11 57	0 43	1 46	1 39	26 19	8 30	18 29	18 33	20 48	7 50	1 40
M28	17 15	20 43	2 22	9 54	0 11	5 50	0 57	28 37	6 20	11 7	1 2	11 42	2 29	11 56	0 43	1 47	1 39	26 20	8 30	18 29	18 34	20 48	7 49	1 40
T 29	16 58	20 17	1 21	9 14	0 3	5 19	0 54	28 36	6 18	11 3	1 2	11 42	2 29	11 54	0 43	1 47	1 39	26 20	8 30	18 29	18 35	20 48	7 49	1 40
W30	16 42	18 56	0 16	8 34	0s 6	4 49	0 51	28 36	6 16	10 58	1 2	11 42	2 29	11 53	0 43	1 48	1 39	26 20	8 30	18 29	18 36	20 49	7 49	1 40
T 31	16n25	16s43	0s51	7n55	0s14	4n18	0n48	28s35	6s15	10n53	1n 2	11n43	2s30	11n52	0n43	1s48	1n39	26s21	8s30	18n29	18n36	20s49	7n48	1n40

Julian Day Number = 2193142.5, Delta T = 10m36s
Ecliptic obliquity = 23°31'46, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'23, Lahiri = 13°59'24 Julian Calendar 1 July 1292 == Greg. Calendar 8 July 1292

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

AUGUST 1292 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 9 10	15♌53'51	28♒52	10♍37	22♍14	17°R19	4♍37	7♉31	0♍59	8♎21	8°R39	7°R26	6♌53	9♑26	15°R52	F 1
S 2	21 13 7	16°51'36	11♓14	11°58	23°25	17♑14	4°50	7°33	1° 3	8°23	8♒38	7♌25	6°50	9°33	15♈51	S 2
S 3	21 17 3	17°49'22	23°48	13°17	24°36	17°10	5° 2	7°34	1° 7	8°24	8°36	7°23	6°47	9°40	15°50	S 3
M 4	21 21 0	18°47'10	6♈36	14°34	25°47	17° 6	5°15	7°34	1°10	8°26	8°35	7°22	6°44	9°46	15°49	M 4
T 5	21 24 57	19°45'00	19°38	15°50	26°58	17° 3	5°28	7°35	1°14	8°27	8°34	7°21	6°41	9°53	15°48	T 5
W 6	21 28 53	20°42'51	2♉56	17° 3	28° 9	17° 1	5°41	7°36	1°18	8°29	8°32	7°19	6°37	10° 0	15°46	W 6
T 7	21 32 50	21°40'45	16°31	18°15	29°20	17° 0	5°53	7°37	1°21	8°31	8°31	7°D19	6°34	10° 6	15°45	T 7
F 8	21 36 46	22°38'40	0♊24	19°24	0♎30	17°D 0	6° 6	7°37	1°25	8°32	8°30	7°19	6°31	10°13	15°44	F 8
S 9	21 40 43	23°36'37	14°34	20°31	1°41	17° 1	6°19	7°38	1°29	8°34	8°29	7°20	6°28	10°20	15°42	S 9
S 10	21 44 39	24°34'36	29° 0	21°36	2°52	17° 2	6°32	7°38	1°33	8°36	8°27	7°21	6°25	10°26	15°41	S 10
M11	21 48 36	25°32'37	13♋37	22°39	4° 2	17° 4	6°45	7°38	1°36	8°37	8°26	7°22	6°21	10°33	15°39	M11
T 12	21 52 32	26°30'40	28°23	23°39	5°13	17° 7	6°58	7°R38	1°40	8°39	8°25	7°23	6°18	10°40	15°37	T 12
W13	21 56 29	27°28'45	13♌ 9	24°37	6°23	17°11	7°10	7°38	1°44	8°41	8°23	7°R23	6°15	10°46	15°36	W13
T 14	22 0 26	28°26'51	27°51	25°32	7°34	17°15	7°23	7°38	1°48	8°43	8°22	7°22	6°12	10°53	15°34	T 14
F 15	22 4 22	29°24'59	12♍19	26°24	8°44	17°21	7°36	7°38	1°51	8°45	8°21	7°20	6° 9	11° 0	15°33	F 15
S 16	22 8 19	0♍23'09	26°30	27°13	9°54	17°27	7°49	7°37	1°55	8°46	8°20	7°17	6° 6	11° 6	15°31	S 16
S 17	22 12 15	1°21'20	10♎17	27°58	11° 4	17°34	8° 2	7°37	1°59	8°48	8°18	7°14	6° 2	11°13	15°29	S 17
M18	22 16 12	2°19'33	23°41	28°40	12°14	17°42	8°15	7°36	2° 3	8°50	8°17	7°10	5°59	11°20	15°27	M18
T 19	22 20 8	3°17'48	6♏40	29°18	13°24	17°50	8°28	7°36	2° 6	8°52	8°16	7° 7	5°56	11°26	15°25	T 19
W20	22 24 5	4°16'04	19°17	29°52	14°34	18° 0	8°41	7°35	2°10	8°54	8°15	7° 5	5°53	11°33	15°23	W20
T 21	22 28 1	5°14'21	1♐35	0♎22	15°44	18°10	8°54	7°34	2°14	8°56	8°14	7°D 4	5°50	11°40	15°21	T 21
F 22	22 31 58	6°12'40	13°38	0°47	16°54	18°20	9° 7	7°33	2°18	8°58	8°13	7° 4	5°47	11°46	15°19	F 22
S 23	22 35 55	7°11'01	25°32	1° 7	18° 4	18°32	9°20	7°32	2°22	9° 0	8°11	7° 5	5°43	11°53	15°17	S 23
S 24	22 39 51	8° 9'23	7♑22	1°22	19°14	18°44	9°33	7°31	2°25	9° 2	8°10	7° 7	5°40	11°59	15°15	S 24
M25	22 43 48	9° 7'48	19°11	1°31	20°23	18°57	9°46	7°29	2°29	9° 4	8° 9	7° 9	5°37	12° 6	15°13	M25
T 26	22 47 44	10° 6'13	1♒ 5	1°R34	21°33	19°11	9°59	7°28	2°33	9° 6	8° 8	7°R10	5°34	12°13	15°11	T 26
W27	22 51 41	11° 4'41	13° 7	1°31	22°42	19°25	10°12	7°27	2°37	9° 8	8° 7	7°10	5°31	12°19	15° 9	W27
T 28	22 55 37	12° 3'10	25°20	1°21	23°51	19°40	10°25	7°25	2°40	9°10	8° 6	7° 8	5°27	12°26	15° 6	T 28
F 29	22 59 34	13° 1'41	7♓46	1° 5	25° 1	19°56	10°38	7°23	2°44	9°12	8° 5	7° 5	5°24	12°33	15° 4	F 29
S 30	23 3 30	14° 0'14	20°26	0°41	26°10	20°12	10°51	7°21	2°48	9°14	8° 4	7° 0	5°21	12°39	15° 2	S 30
S 31	23 7 27	14♍58'49	3♈21	0♎11	27♎19	20♑29	11♍ 4	7♉19	2♍51	9♎16	8♒ 3	6♌54	5♌18	12♑46	15♈ 0	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16n 8	13s44	1s56	7n15	0s23	3n47	0n46	28s34	6s13	10n49	1n 2	11n43	2s30	11n50	0n43	1s49	1n39	26s21	8s30	18n29	18n37	20s49	7n48	1n40
S 2	15 51	10 6	2 57	6 36	0 32	3 17	0 43	28 32	6 10	10 44	1 2	11 43	2 30	11 49	0 43	1 50	1 38	26 22	8 30	18 29	18 38	20 50	7 48	1 40
S 3	15 33	5 59	3 50	5 57	0 41	2 46	0 40	28 31	6 8	10 40	1 2	11 43	2 30	11 48	0 43	1 50	1 38	26 22	8 30	18 30	18 39	20 50	7 47	1 40
M 4	15 15	1 32	4 32	5 19	0 51	2 15	0 37	28 29	6 6	10 35	1 2	11 43	2 31	11 46	0 43	1 51	1 38	26 22	8 30	18 30	18 40	20 50	7 47	1 40
T 5	14 57	3n 3	5 2	4 41	1 0	1 44	0 34	28 27	6 4	10 30	1 2	11 43	2 31	11 45	0 43	1 52	1 38	26 23	8 30	18 30	18 40	20 51	7 46	1 40
W 6	14 39	7 35	5 16	4 4	1 10	1 12	0 31	28 24	6 1	10 25	1 2	11 43	2 31	11 44	0 43	1 52	1 38	26 23	8 30	18 31	18 41	20 51	7 46	1 40
T 7	14 20	11 51	5 12	3 27	1 19	0 41	0 27	28 22	5 59	10 21	1 2	11 43	2 31	11 42	0 43	1 53	1 38	26 24	8 30	18 31	18 42	20 51	7 45	1 40
F 8	14 1	15 34	4 51	2 51	1 29	0 10	0 24	28 19	5 56	10 16	1 2	11 43	2 32	11 41	0 43	1 54	1 38	26 24	8 30	18 31	18 43	20 51	7 45	1 40
S 9	13 42	18 27	4 12	2 16	1 38	0s21	0 21	28 17	5 53	10 11	1 2	11 43	2 32	11 40	0 43	1 54	1 38	26 24	8 30	18 31	18 44	20 52	7 44	1 40
S 10	13 23	20 15	3 17	1 41	1 48	0 52	0 18	28 14	5 50	10 6	1 2	11 43	2 32	11 38	0 43	1 55	1 38	26 25	8 30	18 30	18 44	20 52	7 43	1 40
M11	13 3	20 43	2 8	1 8	1 57	1 24	0 14	28 11	5 47	10 2	1 2	11 43	2 32	11 37	0 43	1 56	1 38	26 25	8 30	18 30	18 45	20 52	7 43	1 40
T 12	12 44	19 45	0 50	0 35	2 7	1 55	0 11	28 7	5 44	9 57	1 2	11 42	2 32	11 36	0 43	1 56	1 38	26 25	8 30	18 30	18 46	20 53	7 42	1 40
W13	12 24	17 26	0n32	0 4	2 16	2 26	0 7	28 4	5 41	9 52	1 2	11 42	2 33	11 34	0 43	1 57	1 38	26 26	8 30	18 30	18 47	20 53	7 42	1 40
T 14	12 3	14 0	1 51	0s27	2 26	2 57	0 4	28 0	5 38	9 47	1 2	11 42	2 33	11 33	0 43	1 58	1 38	26 26	8 30	18 30	18 48	20 53	7 41	1 40
F 15	11 43	9 45	3 1	0 56	2 35	3 28	0s 0	27 56	5 35	9 43	1 2	11 42	2 33	11 32	0 43	1 59	1 38	26 26	8 30	18 30	18 48	20 53	7 40	1 40
S 16	11 23	5 3	3 58	1 24	2 44	4 0	0 4	27 52	5 32	9 38	1 2	11 41	2 33	11 30	0 43	1 59	1 38	26 27	8 30	18 31	18 49	20 54	7 40	1 40
S 17	11 2	0 13	4 40	1 50	2 53	4 31	0 7	27 48	5 29	9 33	1 2	11 41	2 34	11 29	0 43	2 0	1 38	26 27	8 30	18 32	18 50	20 54	7 39	1 40
M18	10 41	4s29	5 6	2 15	3 2	5 2	0 11	27 44	5 26	9 28	1 2	11 40	2 34	11 28	0 43	2 1	1 38	26 27	8 30	18 33	18 51	20 54	7 38	1 40
T 19	10 20	8 50	5 14	2 38	3 10	5 32	0 15	27 40	5 22	9 23	1 2	11 40	2 34	11 26	0 43	2 2	1 38	26 28	8 30	18 34	18 52	20 54	7 38	1 40
W20	9 59	12 41	5 7	2 59	3 19	6 3	0 19	27 35	5 19	9 18	1 2	11 39	2 34	11 25	0 43	2 2	1 38	26 28	8 30	18 34	18 52	20 55	7 37	1 40
T 21	9 38	15 53	4 46	3 18	3 26	6 34	0 23	27 30	5 16	9 13	1 2	11 39	2 35	11 24	0 43	2 3	1 38	26 28	8 30	18 35	18 53	20 55	7 36	1 40
F 22	9 16	18 21	4 13	3 34	3 33	7 4	0 26	27 26	5 13	9 9	1 2	11 38	2 35	11 22	0 43	2 4	1 38	26 28	8 30	18 35	18 54	20 55	7 35	1 40
S 23	8 54	19 59	3 29	3 49	3 40	7 35	0 30	27 21	5 9	9 4	1 2	11 38	2 35	11 21	0 43	2 5	1 38	26 29	8 30	18 34	18 55	20 55	7 34	1 40
S 24	8 33	20 44	2 36	4 0	3 46	8 5	0 34	27 16	5 6	8 59	1 2	11 37	2 35	11 20	0 43	2 6	1 38	26 29	8 30	18 34	18 55	20 55	7 34	1 40
M25	8 11	20 33	1 37	4 9	3 52	8 35	0 38	27 10	5 2	8 54	1 2	11 37	2 36	11 18	0 43	2 6	1 38	26 29	8 30	18 33	18 56	20 56	7 33	1 40
T 26	7 49	19 27	0 33	4 14	3 56	9 5	0 42	27 5	4 59	8 49	1 2	11 36	2 36	11 17	0 43	2 7	1 38	26 29	8 30	18 33	18 57	20 56	7 32	1 40
W27	7 26	17 28	0s32	4 16	4 0	9 35	0 46	27 0	4 56	8 44	1 2	11 35	2 36	11 16	0 43	2 8	1 38	26 30	8 30	18 33	18 58	20 56	7 31	1 40
T 28	7 4	14 39	1 38	4 15	4 2	10 4	0 50	26 54	4 52	8 39	1 2	11 35	2 36	11 14	0 43	2 9	1 38	26 30	8 30	18 33	18 59	20 56	7 30	1 40
F 29	6 42	11 9	2 39	4 9	4 4	10 34	0 54	26 48	4 49	8 34	1 3	11 34	2 36	11 13	0 43	2 10	1 38	26 30	8 30	18 34	18 59	20 56	7 29	1 40
S 30	6 19	7 5	3 34	4 0	4 4	11 3	0 59	26 42	4 46	8 29	1 3	11 33	2 37	11 11	0 43	2 11	1 38	26 30	8 30	18 36	19 0	20 57	7 28	1 40
S 31	5n56	2s37	4s19	3s46	4s 2	11s32	1s 3	26s36	4s42	8n24	1n 3	11n32	2s37	11n10	0n43	2s11	1n38	26s31	8s29	18n37	19n 1	20s57	7n27	1n39

Julian Day Number = 2193173.5, Delta T = 10m36s
Ecliptic obliquity = 23°31'47, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'28, Lahiri = 13°59'28 Julian Calendar 1 Aug. 1292 == Greg. Calendar 8 Aug. 1292

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

SEPTEMBER 1292 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 11 24	15♍57'26	16♈30	29°R34	28♎28	20♑47	11♍17	7°R17	2♍55	9♎18	8°R 2	6°R48	5♌15	12♑53	14°R57	M 1
T 2	23 15 20	16°56'05	29°52	28♍50	29°36	21° 5	11°30	7♉15	2°59	9°20	8♒ 1	6♌41	5°12	12°59	14♈55	T 2
W 3	23 19 17	17°54'46	13♉26	28° 0	0♏45	21°24	11°43	7°13	3° 2	9°22	8° 0	6°36	5° 8	13° 6	14°52	W 3
T 4	23 23 13	18°53'30	27°11	27° 4	1°54	21°43	11°56	7°11	3° 6	9°24	7°59	6°32	5° 5	13°13	14°50	T 4
F 5	23 27 10	19°52'16	11♊ 6	26° 4	3° 2	22° 3	12° 9	7° 8	3°10	9°26	7°58	6°30	5° 2	13°19	14°47	F 5
S 6	23 31 6	20°51'04	25° 9	25° 0	4°11	22°24	12°22	7° 6	3°13	9°29	7°57	6°D30	4°59	13°26	14°45	S 6
S 7	23 35 3	21°49'55	9♋19	23°54	5°19	22°45	12°35	7° 3	3°17	9°31	7°56	6°31	4°56	13°33	14°42	S 7
M 8	23 38 59	22°48'48	23°36	22°47	6°27	23° 6	12°48	7° 1	3°21	9°33	7°55	6°32	4°52	13°39	14°40	M 8
T 9	23 42 56	23°47'43	7♌56	21°42	7°35	23°28	13° 1	6°58	3°24	9°35	7°54	6°R32	4°49	13°46	14°37	T 9
W10	23 46 52	24°46'41	22°18	20°39	8°43	23°51	13°14	6°55	3°28	9°37	7°54	6°31	4°46	13°53	14°35	W10
T 11	23 50 49	25°45'40	6♍36	19°41	9°51	24°14	13°26	6°52	3°31	9°39	7°53	6°28	4°43	13°59	14°32	T 11
F 12	23 54 46	26°44'42	20°45	18°49	10°59	24°37	13°39	6°49	3°35	9°42	7°52	6°22	4°40	14° 6	14°29	F 12
S 13	23 58 42	27°43'46	4♎42	18° 4	12° 7	25° 1	13°52	6°46	3°39	9°44	7°51	6°15	4°37	14°13	14°27	S 13
S 14	0 2 39	28°42'52	18°21	17°28	13°14	25°26	14° 5	6°42	3°42	9°46	7°50	6° 6	4°33	14°19	14°24	S 14
M15	0 6 35	29°42'00	1♏40	17° 2	14°21	25°51	14°18	6°39	3°46	9°48	7°50	5°57	4°30	14°26	14°21	M15
T 16	0 10 32	0♎41'10	14°37	16°45	15°29	26°16	14°30	6°36	3°49	9°50	7°49	5°48	4°27	14°33	14°19	T 16
W17	0 14 28	1°40'21	27°14	16°D40	16°36	26°42	14°43	6°32	3°52	9°53	7°48	5°41	4°24	14°39	14°16	W17
T 18	0 18 25	2°39'35	9♐32	16°45	17°43	27° 8	14°56	6°29	3°56	9°55	7°48	5°36	4°21	14°46	14°13	T 18
F 19	0 22 21	3°38'51	21°36	17° 0	18°50	27°35	15° 9	6°25	3°59	9°57	7°47	5°33	4°18	14°53	14°10	F 19
S 20	0 26 18	4°38'08	3♑30	17°25	19°56	28° 2	15°21	6°21	4° 3	9°59	7°46	5°D32	4°14	14°59	14° 8	S 20
S 21	0 30 15	5°37'27	15°19	18° 0	21° 3	28°30	15°34	6°18	4° 6	10° 2	7°46	5°32	4°11	15° 6	14° 5	S 21
M22	0 34 11	6°36'48	27° 8	18°44	22° 9	28°58	15°46	6°14	4° 9	10° 4	7°45	5°33	4° 8	15°12	14° 2	M22
T 23	0 38 8	7°36'11	9♒ 4	19°37	23°15	29°26	15°59	6°10	4°13	10° 6	7°45	5°R33	4° 5	15°19	13°59	T 23
W24	0 42 4	8°35'35	21°10	20°36	24°21	29°55	16°11	6° 6	4°16	10° 8	7°44	5°32	4° 2	15°26	13°56	W24
T 25	0 46 1	9°35'02	3♓31	21°43	25°27	0♒24	16°24	6° 2	4°19	10°11	7°44	5°29	3°58	15°32	13°54	T 25
F 26	0 49 57	10°34'30	16°10	22°55	26°32	0°53	16°36	5°58	4°22	10°13	7°43	5°22	3°55	15°39	13°51	F 26
S 27	0 53 54	11°34'00	29° 7	24°13	27°38	1°23	16°49	5°54	4°26	10°15	7°43	5°14	3°52	15°46	13°48	S 27
S 28	0 57 50	12°33'32	12♈24	25°35	28°43	1°53	17° 1	5°49	4°29	10°17	7°42	5° 3	3°49	15°52	13°45	S 28
M29	1 1 47	13°33'07	25°59	27° 1	29°48	2°23	17°13	5°45	4°32	10°19	7°42	4°52	3°46	15°59	13°42	M29
T 30	1 5 43	14♎32'43	9♉47	28♍30	0♐53	2♒53	17♍26	5♉41	4♍35	10♎22	7♒41	4♌41	3♌43	16♑ 6	13♈39	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n34	2n 2	4s51	3s29	3s59	12s 0	1s 7	26s30	4s39	8n20	1n 3	11n31	2s37	11n 9	0n43	2s12	1n38	26s31	8s29	18n39	19n 2	20s57	7n26	1n39
T 2	5 11	6 40	5 8	3 7	3 54	12 29	1 11	26 24	4 35	8 15	1 3	11 30	2 37	11 8	0 43	2 13	1 38	26 31	8 29	18 40	19 2	20 57	7 25	1 39
W 3	4 48	11 2	5 8	2 41	3 47	12 57	1 15	26 18	4 32	8 10	1 3	11 29	2 38	11 6	0 43	2 14	1 38	26 31	8 29	18 42	19 3	20 57	7 25	1 39
T 4	4 25	14 54	4 50	2 10	3 39	13 25	1 19	26 11	4 29	8 5	1 3	11 29	2 38	11 5	0 44	2 15	1 38	26 31	8 29	18 43	19 4	20 58	7 24	1 39
F 5	4 2	17 58	4 15	1 37	3 28	13 52	1 23	26 5	4 25	8 0	1 3	11 28	2 38	11 4	0 44	2 16	1 38	26 31	8 29	18 43	19 5	20 58	7 23	1 39
S 6	3 38	20 1	3 25	1 0	3 16	14 20	1 27	25 58	4 22	7 55	1 3	11 27	2 38	11 2	0 44	2 16	1 38	26 32	8 29	18 43	19 6	20 58	7 22	1 39
S 7	3 15	20 51	2 22	0 20	3 1	14 47	1 32	25 51	4 19	7 50	1 3	11 26	2 38	11 1	0 44	2 17	1 38	26 32	8 29	18 43	19 6	20 58	7 21	1 39
M 8	2 52	20 19	1 9	0n21	2 45	15 14	1 36	25 44	4 15	7 45	1 3	11 25	2 38	11 0	0 44	2 18	1 38	26 32	8 29	18 43	19 7	20 58	7 19	1 39
T 9	2 28	18 28	0n 8	1 3	2 28	15 40	1 40	25 37	4 12	7 40	1 3	11 23	2 39	10 58	0 44	2 19	1 38	26 32	8 29	18 43	19 8	20 58	7 18	1 39
W10	2 5	15 27	1 24	1 45	2 9	16 6	1 44	25 30	4 9	7 35	1 3	11 22	2 39	10 57	0 44	2 20	1 38	26 32	8 29	18 43	19 9	20 58	7 17	1 39
T 11	1 41	11 31	2 35	2 26	1 49	16 32	1 48	25 22	4 5	7 30	1 3	11 21	2 39	10 56	0 44	2 21	1 38	26 32	8 28	18 44	19 9	20 59	7 16	1 39
F 12	1 18	6 58	3 35	3 5	1 29	16 57	1 52	25 15	4 2	7 26	1 3	11 20	2 39	10 54	0 44	2 22	1 38	26 32	8 28	18 45	19 10	20 59	7 15	1 39
S 13	0 54	2 8	4 21	3 41	1 9	17 22	1 56	25 7	3 59	7 21	1 3	11 19	2 39	10 53	0 44	2 22	1 38	26 32	8 28	18 47	19 11	20 59	7 14	1 39
S 14	0 31	2s43	4 52	4 13	0 49	17 47	2 0	24 59	3 55	7 16	1 4	11 18	2 40	10 52	0 44	2 23	1 38	26 33	8 28	18 49	19 12	20 59	7 13	1 39
M15	0 7	7 19	5 5	4 42	0 29	18 11	2 4	24 51	3 52	7 11	1 4	11 16	2 40	10 51	0 44	2 24	1 38	26 33	8 28	18 51	19 12	20 59	7 12	1 39
T 16	0s16	11 28	5 2	5 6	0 10	18 35	2 8	24 43	3 49	7 6	1 4	11 15	2 40	10 49	0 44	2 25	1 38	26 33	8 28	18 54	19 13	20 59	7 11	1 39
W17	0 40	14 59	4 45	5 25	0n 8	18 58	2 12	24 35	3 46	7 1	1 4	11 14	2 40	10 48	0 44	2 26	1 38	26 33	8 28	18 55	19 14	20 59	7 10	1 39
T 18	1 4	17 46	4 14	5 38	0 25	19 21	2 16	24 27	3 43	6 56	1 4	11 13	2 40	10 47	0 44	2 27	1 38	26 33	8 28	18 57	19 15	20 59	7 9	1 39
F 19	1 27	19 43	3 33	5 46	0 40	19 44	2 20	24 18	3 40	6 51	1 4	11 11	2 40	10 46	0 44	2 28	1 38	26 33	8 28	18 57	19 16	21 0	7 7	1 39
S 20	1 51	20 46	2 43	5 49	0 55	20 6	2 24	24 10	3 36	6 47	1 4	11 10	2 40	10 45	0 44	2 29	1 38	26 33	8 27	18 57	19 16	21 0	7 6	1 39
S 21	2 15	20 53	1 46	5 47	1 7	20 27	2 28	24 1	3 33	6 42	1 4	11 9	2 41	10 43	0 44	2 30	1 38	26 33	8 27	18 57	19 17	21 0	7 5	1 39
M22	2 38	20 5	0 45	5 40	1 19	20 49	2 31	23 52	3 30	6 37	1 4	11 7	2 41	10 42	0 44	2 30	1 38	26 33	8 27	18 57	19 18	21 0	7 4	1 39
T 23	3 2	18 22	0s19	5 29	1 28	21 9	2 35	23 43	3 27	6 32	1 4	11 6	2 41	10 41	0 44	2 31	1 38	26 33	8 27	18 57	19 19	21 0	7 3	1 38
W24	3 25	15 48	1 22	5 13	1 37	21 30	2 39	23 34	3 24	6 27	1 4	11 4	2 41	10 40	0 44	2 32	1 38	26 33	8 27	18 57	19 19	21 0	7 2	1 38
T 25	3 49	12 29	2 23	4 53	1 44	21 49	2 42	23 25	3 21	6 23	1 4	11 3	2 41	10 39	0 44	2 33	1 38	26 33	8 27	18 58	19 20	21 0	7 1	1 38
F 26	4 12	8 32	3 19	4 30	1 49	22 9	2 46	23 15	3 18	6 18	1 5	11 1	2 41	10 37	0 44	2 34	1 38	26 33	8 27	19 0	19 21	21 0	6 59	1 38
S 27	4 35	4 6	4 5	4 3	1 54	22 27	2 49	23 6	3 15	6 13	1 5	11 0	2 41	10 36	0 44	2 35	1 38	26 33	8 26	19 2	19 22	21 0	6 58	1 38
S 28	4 59	0n38	4 39	3 33	1 57	22 45	2 53	22 56	3 12	6 8	1 5	10 58	2 41	10 35	0 44	2 36	1 38	26 33	8 26	19 4	19 22	21 0	6 57	1 38
M29	5 22	5 26	4 59	3 1	2 0	23 3	2 56	22 46	3 9	6 4	1 5	10 57	2 41	10 34	0 44	2 37	1 38	26 33	8 26	19 7	19 23	21 0	6 56	1 38
T 30	5s45	10n 2	5s 1	2n27	2n 1	23s20	3s 0	22s36	3s 6	5n59	1n 5	10n55	2s42	10n33	0n44	2s37	1n38	26s33	8s26	19n10	19n24	21s 0	6n55	1n38

Julian Day Number = 2193204.5, Delta T = 10m36s
Ecliptic obliquity = 23°31'47, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'32, Lahiri = 13°59'32 Julian Calendar 1 Sept. 1292 == Greg. Calendar 8 Sept. 1292

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

OCTOBER 1292 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 9 40	15♎32'22	23♉46	0♎ 2	1♐57	3♒24	17♍38	5°R36	4♍38	10♎24	7°R41	4°R31	3♌39	16♑12	13°R37	W 1
T 2	1 13 37	16°32'02	7♊51	1°35	3° 2	3°56	17°50	5♉32	4°41	10°26	7♒41	4♌23	3°36	16°19	13♈34	T 2
F 3	1 17 33	17°31'46	21°59	3°11	4° 6	4°27	18° 2	5°27	4°44	10°28	7°40	4°18	3°33	16°26	13°31	F 3
S 4	1 21 30	18°31'31	6♋ 8	4°48	5°10	4°59	18°14	5°23	4°47	10°31	7°40	4°16	3°30	16°32	13°28	S 4
S 5	1 25 26	19°31'19	20°15	6°27	6°13	5°31	18°26	5°18	4°50	10°33	7°40	4°D16	3°27	16°39	13°25	S 5
M 6	1 29 23	20°31'09	4♌19	8° 6	7°16	6° 3	18°38	5°14	4°53	10°35	7°40	4°R16	3°24	16°46	13°23	M 6
T 7	1 33 19	21°31'01	18°20	9°45	8°20	6°36	18°50	5° 9	4°56	10°37	7°40	4°15	3°20	16°52	13°20	T 7
W 8	1 37 16	22°30'56	2♍17	11°25	9°22	7° 8	19° 2	5° 4	4°59	10°40	7°39	4°13	3°17	16°59	13°17	W 8
T 9	1 41 12	23°30'53	16° 8	13° 6	10°25	7°41	19°14	5° 0	5° 2	10°42	7°39	4° 7	3°14	17° 6	13°14	T 9
F 10	1 45 9	24°30'51	29°52	14°46	11°27	8°15	19°26	4°55	5° 4	10°44	7°39	3°59	3°11	17°12	13°11	F 10
S 11	1 49 6	25°30'52	13♎26	16°26	12°29	8°48	19°37	4°50	5° 7	10°46	7°39	3°48	3° 8	17°19	13° 9	S 11
S 12	1 53 2	26°30'55	26°46	18° 7	13°31	9°22	19°49	4°45	5°10	10°48	7°39	3°35	3° 4	17°25	13° 6	S 12
M13	1 56 59	27°31'00	9♏51	19°47	14°32	9°56	20° 1	4°40	5°13	10°50	7°39	3°22	3° 1	17°32	13° 3	M13
T 14	2 0 55	28°31'07	22°39	21°27	15°33	10°30	20°12	4°36	5°15	10°53	7°D39	3° 9	2°58	17°39	13° 0	T 14
W15	2 4 52	29°31'15	5♐10	23° 6	16°34	11° 5	20°23	4°31	5°18	10°55	7°39	2°58	2°55	17°45	12°58	W15
T 16	2 8 48	0♏31'25	17°25	24°46	17°34	11°39	20°35	4°26	5°20	10°57	7°39	2°49	2°52	17°52	12°55	T 16
F 17	2 12 45	1°31'37	29°27	26°25	18°34	12°14	20°46	4°21	5°23	10°59	7°39	2°43	2°49	17°59	12°52	F 17
S 18	2 16 41	2°31'51	11♑19	28° 3	19°33	12°49	20°57	4°16	5°25	11° 1	7°39	2°40	2°45	18° 5	12°50	S 18
S 19	2 20 38	3°32'06	23° 7	29°42	20°32	13°24	21° 9	4°11	5°28	11° 3	7°39	2°39	2°42	18°12	12°47	S 19
M20	2 24 35	4°32'22	4♒55	1♏20	21°31	14° 0	21°20	4° 6	5°30	11° 5	7°40	2°39	2°39	18°19	12°45	M20
T 21	2 28 31	5°32'40	16°50	2°57	22°29	14°35	21°31	4° 2	5°32	11° 7	7°40	2°39	2°36	18°25	12°42	T 21
W22	2 32 28	6°33'00	28°56	4°34	23°27	15°11	21°42	3°57	5°35	11°10	7°40	2°37	2°33	18°32	12°39	W22
T 23	2 36 24	7°33'21	11♓19	6°11	24°24	15°47	21°52	3°52	5°37	11°12	7°40	2°33	2°29	18°39	12°37	T 23
F 24	2 40 21	8°33'43	24° 4	7°48	25°21	16°23	22° 3	3°47	5°39	11°14	7°40	2°27	2°26	18°45	12°34	F 24
S 25	2 44 17	9°34'07	7♈12	9°24	26°17	17° 0	22°14	3°42	5°41	11°16	7°41	2°18	2°23	18°52	12°32	S 25
S 26	2 48 14	10°34'32	20°44	11° 0	27°13	17°36	22°25	3°37	5°43	11°18	7°41	2° 7	2°20	18°59	12°30	S 26
M27	2 52 10	11°34'59	4♉39	12°35	28° 8	18°12	22°35	3°32	5°45	11°20	7°41	1°54	2°17	19° 5	12°27	M27
T 28	2 56 7	12°35'28	18°53	14°11	29° 3	18°49	22°45	3°28	5°47	11°22	7°42	1°42	2°14	19°12	12°25	T 28
W29	3 0 4	13°35'58	3♊19	15°46	29°57	19°26	22°56	3°23	5°49	11°24	7°42	1°31	2°10	19°19	12°22	W29
T 30	3 4 0	14°36'30	17°52	17°20	0♑50	20° 3	23° 6	3°18	5°51	11°26	7°43	1°23	2° 7	19°25	12°20	T 30
F 31	3 7 57	15♏37'04	2♋24	18♏55	1♑43	20♒40	23♍16	3♉13	5♍53	11♎28	7♒43	1♌18	2♌ 4	19♑32	12♈18	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	6s 8	14n10	4s46	1n51	2n 1	23s37	3s 3	22s26	3s 3	5n54	1n 5	10n54	2s42	10n32	0n44	2s38	1n38	26s33	8s26	19n12	19n25	21s 0	6n54	1n38
T 2	6 31	17 33	4 13	1 13	2 1	23 53	3 6	22 16	3 1	5 50	1 5	10 52	2 42	10 31	0 44	2 39	1 38	26 33	8 26	19 14	19 25	21 0	6 52	1 38
F 3	6 54	19 53	3 24	0 33	2 0	24 8	3 9	22 6	2 58	5 45	1 5	10 51	2 42	10 30	0 44	2 40	1 38	26 33	8 26	19 15	19 26	21 0	6 51	1 38
S 4	7 17	21 0	2 23	0s 7	1 58	24 23	3 12	21 55	2 55	5 40	1 5	10 49	2 42	10 29	0 44	2 41	1 38	26 33	8 25	19 16	19 27	21 1	6 50	1 38
S 5	7 40	20 47	1 14	0 48	1 55	24 37	3 15	21 45	2 52	5 36	1 6	10 48	2 42	10 27	0 44	2 42	1 38	26 33	8 25	19 16	19 27	21 1	6 49	1 38
M 6	8 3	19 15	0n 0	1 30	1 52	24 51	3 18	21 34	2 49	5 31	1 6	10 46	2 42	10 26	0 44	2 43	1 38	26 33	8 25	19 16	19 28	21 1	6 48	1 37
T 7	8 25	16 34	1 14	2 13	1 49	25 4	3 20	21 23	2 47	5 27	1 6	10 45	2 42	10 25	0 44	2 43	1 38	26 32	8 25	19 16	19 29	21 1	6 46	1 37
W 8	8 48	12 55	2 23	2 56	1 45	25 17	3 23	21 12	2 44	5 22	1 6	10 43	2 42	10 24	0 44	2 44	1 38	26 32	8 25	19 17	19 30	21 1	6 45	1 37
T 9	9 10	8 35	3 22	3 39	1 40	25 29	3 25	21 1	2 41	5 17	1 6	10 41	2 42	10 23	0 44	2 45	1 38	26 32	8 25	19 18	19 30	21 1	6 44	1 37
F 10	9 32	3 52	4 9	4 23	1 35	25 40	3 28	20 49	2 38	5 13	1 6	10 40	2 42	10 22	0 44	2 46	1 38	26 32	8 24	19 20	19 31	21 1	6 43	1 37
S 11	9 54	0s59	4 42	5 6	1 30	25 51	3 30	20 38	2 36	5 8	1 6	10 38	2 42	10 21	0 44	2 47	1 38	26 32	8 24	19 22	19 32	21 1	6 42	1 37
S 12	10 16	5 43	4 58	5 49	1 25	26 1	3 32	20 26	2 33	5 4	1 6	10 37	2 42	10 20	0 44	2 48	1 38	26 32	8 24	19 25	19 33	21 1	6 41	1 37
M13	10 38	10 6	4 58	6 33	1 19	26 11	3 34	20 14	2 31	5 0	1 7	10 35	2 42	10 19	0 44	2 48	1 38	26 32	8 24	19 29	19 33	21 1	6 39	1 37
T 14	10 59	13 56	4 43	7 16	1 13	26 19	3 36	20 3	2 28	4 55	1 7	10 33	2 42	10 19	0 44	2 49	1 38	26 31	8 24	19 32	19 34	21 1	6 38	1 37
W15	11 21	17 4	4 15	7 58	1 7	26 28	3 38	19 51	2 25	4 51	1 7	10 32	2 42	10 18	0 44	2 50	1 38	26 31	8 24	19 34	19 35	21 1	6 37	1 37
T 16	11 42	19 22	3 35	8 41	1 1	26 35	3 40	19 38	2 23	4 46	1 7	10 30	2 42	10 17	0 45	2 51	1 38	26 31	8 23	19 36	19 36	21 1	6 36	1 37
F 17	12 3	20 46	2 46	9 23	0 55	26 43	3 41	19 26	2 20	4 42	1 7	10 28	2 42	10 16	0 45	2 52	1 38	26 31	8 23	19 38	19 36	21 1	6 35	1 36
S 18	12 24	21 13	1 50	10 4	0 49	26 49	3 43	19 14	2 18	4 38	1 7	10 27	2 42	10 15	0 45	2 53	1 38	26 31	8 23	19 38	19 37	21 0	6 34	1 36
S 19	12 44	20 43	0 50	10 45	0 42	26 55	3 44	19 1	2 15	4 33	1 7	10 25	2 42	10 14	0 45	2 53	1 38	26 31	8 23	19 39	19 38	21 0	6 33	1 36
M20	13 5	19 18	0s12	11 26	0 35	27 0	3 45	18 49	2 13	4 29	1 8	10 24	2 42	10 13	0 45	2 54	1 38	26 30	8 23	19 39	19 39	21 0	6 32	1 36
T 21	13 25	17 2	1 14	12 5	0 29	27 5	3 46	18 36	2 10	4 25	1 8	10 22	2 42	10 12	0 45	2 55	1 38	26 30	8 23	19 39	19 39	21 0	6 30	1 36
W22	13 45	13 59	2 15	12 45	0 22	27 9	3 47	18 23	2 8	4 21	1 8	10 20	2 42	10 12	0 45	2 56	1 38	26 30	8 22	19 39	19 40	21 0	6 29	1 36
T 23	14 5	10 16	3 10	13 23	0 15	27 12	3 47	18 10	2 6	4 17	1 8	10 19	2 42	10 11	0 45	2 57	1 38	26 30	8 22	19 40	19 41	21 0	6 28	1 36
F 24	14 25	5 59	3 57	14 1	0 9	27 15	3 48	17 57	2 3	4 13	1 8	10 17	2 42	10 10	0 45	2 57	1 38	26 30	8 22	19 41	19 41	21 0	6 27	1 36
S 25	14 44	1 19	4 33	14 39	0 2	27 17	3 48	17 43	2 1	4 8	1 8	10 16	2 42	10 9	0 45	2 58	1 38	26 29	8 22	19 43	19 42	21 0	6 26	1 36
S 26	15 3	3n34	4 55	15 15	0s 5	27 18	3 48	17 30	1 59	4 4	1 9	10 14	2 42	10 9	0 45	2 59	1 38	26 29	8 22	19 46	19 43	21 0	6 25	1 35
M27	15 22	8 24	5 0	15 51	0 11	27 19	3 48	17 16	1 56	4 0	1 9	10 13	2 42	10 8	0 45	3 0	1 38	26 29	8 22	19 49	19 44	21 0	6 24	1 35
T 28	15 41	12 53	4 48	16 26	0 18	27 20	3 48	17 3	1 54	3 56	1 9	10 11	2 42	10 7	0 45	3 0	1 38	26 29	8 22	19 51	19 44	21 0	6 23	1 35
W29	15 59	16 42	4 16	17 1	0 24	27 19	3 48	16 49	1 52	3 52	1 9	10 9	2 41	10 6	0 45	3 1	1 38	26 28	8 21	19 54	19 45	21 0	6 22	1 35
T 30	16 17	19 31	3 28	17 34	0 31	27 19	3 47	16 35	1 50	3 49	1 9	10 8	2 41	10 6	0 45	3 2	1 38	26 28	8 21	19 56	19 46	21 0	6 21	1 35
F 31	16s35	21n 4	2s27	18s 7	0s37	27s17	3s46	16s21	1s47	3n45	1n 9	10n 6	2s41	10n 5	0n45	3s 3	1n38	26s28	8s21	19n57	19n46	21s 0	6n20	1n35

Julian Day Number = 2193234.5, Delta T = 10m35s
Ecliptic obliquity = 23°31'47, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'36, Lahiri = 13°59'36 Julian Calendar 1 Oct. 1292 == Greg. Calendar 8 Oct. 1292

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

NOVEMBER 1292 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 11 53	16♏37'39	16♋50	20♏29	2♑35	21♒17	23♍26	3°R 9	5♍55	11♎29	7♒44	1°R15	2♌ 1	19♑38	12°R16	S 1
S 2	3 15 50	17°38'16	1♌ 7	22° 3	3°26	21°55	23°36	3♉ 4	5°57	11°31	7°44	1°D14	1°58	19°45	12♈13	S 2
M 3	3 19 46	18°38'55	15°13	23°37	4°17	22°32	23°46	2°59	5°59	11°33	7°45	1°R15	1°55	19°52	12°11	M 3
T 4	3 23 43	19°39'36	29° 7	25°11	5° 6	23°10	23°56	2°55	6° 0	11°35	7°45	1♌14	1°51	19°58	12° 9	T 4
W 5	3 27 39	20°40'18	12♍50	26°44	5°55	23°47	24° 6	2°50	6° 2	11°37	7°46	1°12	1°48	20° 5	12° 7	W 5
T 6	3 31 36	21°41'02	26°21	28°18	6°43	24°25	24°15	2°46	6° 3	11°39	7°46	1° 8	1°45	20°12	12° 5	T 6
F 7	3 35 33	22°41'48	9♎41	29°51	7°31	25° 3	24°25	2°41	6° 5	11°41	7°47	1° 0	1°42	20°18	12° 3	F 7
S 8	3 39 29	23°42'35	22°50	1♐24	8°17	25°41	24°34	2°37	6° 6	11°42	7°48	0°50	1°39	20°25	12° 1	S 8
S 9	3 43 26	24°43'24	5♏48	2°57	9° 3	26°19	24°43	2°33	6° 8	11°44	7°48	0°39	1°35	20°32	11°59	S 9
M10	3 47 22	25°44'14	18°33	4°30	9°47	26°58	24°53	2°28	6° 9	11°46	7°49	0°26	1°32	20°38	11°57	M10
T 11	3 51 19	26°45'05	1♐ 5	6° 3	10°31	27°36	25° 2	2°24	6°10	11°48	7°50	0°14	1°29	20°45	11°56	T 11
W12	3 55 15	27°45'58	13°25	7°35	11°13	28°14	25°10	2°20	6°12	11°49	7°51	0° 4	1°26	20°52	11°54	W12
T 13	3 59 12	28°46'51	25°33	9° 8	11°55	28°53	25°19	2°16	6°13	11°51	7°52	29♋56	1°23	20°58	11°52	T 13
F 14	4 3 8	29°47'46	7♑30	10°40	12°35	29°32	25°28	2°12	6°14	11°53	7°52	29°51	1°20	21° 5	11°50	F 14
S 15	4 7 5	0♐48'42	19°20	12°12	13°14	0♓10	25°37	2° 8	6°15	11°54	7°53	29°48	1°16	21°12	11°49	S 15
S 16	4 11 2	1°49'38	1♒ 6	13°45	13°52	0°49	25°45	2° 4	6°16	11°56	7°54	29°D47	1°13	21°18	11°47	S 16
M17	4 14 58	2°50'35	12°53	15°17	14°28	1°28	25°53	2° 0	6°17	11°57	7°55	29°48	1°10	21°25	11°46	M17
T 18	4 18 55	3°51'33	24°46	16°48	15° 3	2° 7	26° 2	1°56	6°18	11°59	7°56	29°49	1° 7	21°31	11°44	T 18
W19	4 22 51	4°52'32	6♓49	18°20	15°37	2°46	26°10	1°53	6°19	12° 1	7°57	29°R49	1° 4	21°38	11°43	W19
T 20	4 26 48	5°53'31	19°10	19°51	16° 9	3°25	26°18	1°49	6°20	12° 2	7°58	29°48	1° 1	21°45	11°41	T 20
F 21	4 30 44	6°54'31	1♈52	21°22	16°40	4° 4	26°25	1°45	6°20	12° 4	7°59	29°45	0°57	21°51	11°40	F 21
S 22	4 34 41	7°55'32	14°59	22°53	17° 9	4°44	26°33	1°42	6°21	12° 5	8° 0	29°40	0°54	21°58	11°39	S 22
S 23	4 38 37	8°56'33	28°34	24°23	17°37	5°23	26°41	1°39	6°22	12° 6	8° 1	29°33	0°51	22° 5	11°37	S 23
M24	4 42 34	9°57'35	12♉37	25°53	18° 2	6° 2	26°48	1°35	6°22	12° 8	8° 2	29°24	0°48	22°11	11°36	M24
T 25	4 46 31	10°58'37	27° 4	27°22	18°26	6°42	26°55	1°32	6°23	12° 9	8° 3	29°16	0°45	22°18	11°35	T 25
W26	4 50 27	11°59'41	11♊49	28°50	18°48	7°21	27° 2	1°29	6°23	12°11	8° 4	29° 9	0°41	22°25	11°34	W26
T 27	4 54 24	13° 0'45	26°46	0♑18	19° 9	8° 1	27° 9	1°26	6°24	12°12	8° 5	29° 3	0°38	22°31	11°33	T 27
F 28	4 58 20	14° 1'49	11♋44	1°44	19°27	8°40	27°16	1°23	6°24	12°13	8° 7	29° 0	0°35	22°38	11°32	F 28
S 29	5 2 17	15° 2'55	26°35	3° 9	19°43	9°20	27°23	1°20	6°24	12°14	8° 8	28°D59	0°32	22°45	11°31	S 29
S 30	5 6 13	16♐ 4'01	11♌14	4♑32	19♑57	10♓ 0	27♍30	1♉17	6♍25	12♎16	8♒ 9	28♋59	0♌29	22♑51	11♈30	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s52	21n13	1s16	18s38	0s44	27s15	3s45	16s 7	1s45	3n41	1n10	10n 5	2s41	10n 4	0n45	3s 3	1n38	26s27	8s21	19n57	19n47	21s 0	6n19	1n35
S 2	17 9	19 58	0 1	19 9	0 50	27 13	3 44	15 53	1 43	3 37	1 10	10 4	2 41	10 4	0 45	3 4	1 38	26 27	8 21	19 58	19 48	20 59	6 18	1 35
M 3	17 26	17 30	1n14	19 39	0 56	27 10	3 42	15 39	1 41	3 33	1 10	10 2	2 41	10 3	0 45	3 5	1 38	26 27	8 21	19 57	19 49	20 59	6 17	1 34
T 4	17 43	14 3	2 22	20 8	1 2	27 6	3 41	15 24	1 39	3 30	1 10	10 1	2 41	10 3	0 45	3 5	1 38	26 27	8 20	19 58	19 49	20 59	6 16	1 34
W 5	17 59	9 52	3 22	20 36	1 8	27 2	3 39	15 10	1 37	3 26	1 10	9 59	2 41	10 2	0 45	3 6	1 38	26 26	8 20	19 58	19 50	20 59	6 15	1 34
T 6	18 15	5 16	4 9	21 3	1 14	26 58	3 37	14 55	1 35	3 22	1 11	9 58	2 41	10 2	0 45	3 7	1 38	26 26	8 20	19 59	19 51	20 59	6 14	1 34
F 7	18 31	0 28	4 42	21 29	1 19	26 53	3 34	14 40	1 32	3 19	1 11	9 56	2 40	10 1	0 45	3 7	1 39	26 26	8 20	20 1	19 51	20 59	6 13	1 34
S 8	18 46	4s17	5 0	21 54	1 25	26 47	3 31	14 25	1 30	3 15	1 11	9 55	2 40	10 1	0 45	3 8	1 39	26 25	8 20	20 3	19 52	20 59	6 12	1 34
S 9	19 1	8 46	5 1	22 18	1 30	26 41	3 29	14 11	1 28	3 12	1 11	9 54	2 40	10 0	0 45	3 9	1 39	26 25	8 20	20 5	19 53	20 59	6 11	1 34
M10	19 16	12 48	4 48	22 40	1 35	26 35	3 25	13 55	1 26	3 8	1 11	9 52	2 40	10 0	0 46	3 9	1 39	26 25	8 19	20 8	19 54	20 58	6 11	1 33
T 11	19 30	16 12	4 21	23 2	1 40	26 28	3 22	13 40	1 24	3 5	1 12	9 51	2 40	9 59	0 46	3 10	1 39	26 24	8 19	20 11	19 54	20 58	6 10	1 33
W12	19 44	18 50	3 41	23 22	1 44	26 21	3 18	13 25	1 22	3 1	1 12	9 50	2 40	9 59	0 46	3 11	1 39	26 24	8 19	20 13	19 55	20 58	6 9	1 33
T 13	19 58	20 35	2 52	23 42	1 49	26 13	3 14	13 10	1 21	2 58	1 12	9 49	2 39	9 58	0 46	3 11	1 39	26 24	8 19	20 14	19 56	20 58	6 8	1 33
F 14	20 11	21 23	1 56	24 0	1 53	26 5	3 10	12 54	1 19	2 55	1 12	9 47	2 39	9 58	0 46	3 12	1 39	26 23	8 19	20 16	19 56	20 58	6 7	1 33
S 15	20 24	21 13	0 56	24 16	1 57	25 56	3 5	12 39	1 17	2 52	1 12	9 46	2 39	9 58	0 46	3 12	1 39	26 23	8 19	20 16	19 57	20 58	6 7	1 33
S 16	20 36	20 6	0s 7	24 32	2 0	25 47	3 0	12 23	1 15	2 48	1 13	9 45	2 39	9 57	0 46	3 13	1 39	26 22	8 19	20 16	19 58	20 57	6 6	1 33
M17	20 48	18 7	1 10	24 46	2 4	25 38	2 55	12 8	1 13	2 45	1 13	9 44	2 39	9 57	0 46	3 14	1 39	26 22	8 18	20 16	19 58	20 57	6 5	1 32
T 18	21 0	15 22	2 10	24 59	2 7	25 29	2 49	11 52	1 11	2 42	1 13	9 43	2 38	9 57	0 46	3 14	1 39	26 22	8 18	20 16	19 59	20 57	6 4	1 32
W19	21 11	11 55	3 6	25 10	2 10	25 19	2 43	11 36	1 9	2 39	1 13	9 42	2 38	9 56	0 46	3 15	1 39	26 21	8 18	20 16	20 0	20 57	6 4	1 32
T 20	21 22	7 53	3 54	25 20	2 12	25 8	2 37	11 20	1 7	2 36	1 14	9 41	2 38	9 56	0 46	3 15	1 39	26 21	8 18	20 16	20 1	20 57	6 3	1 32
F 21	21 33	3 25	4 32	25 28	2 14	24 58	2 30	11 4	1 6	2 33	1 14	9 40	2 38	9 56	0 46	3 16	1 39	26 20	8 18	20 17	20 1	20 57	6 2	1 32
S 22	21 43	1n21	4 58	25 36	2 15	24 47	2 23	10 48	1 4	2 30	1 14	9 39	2 38	9 56	0 46	3 16	1 39	26 20	8 18	20 18	20 2	20 56	6 2	1 32
S 23	21 52	6 13	5 7	25 41	2 17	24 36	2 16	10 32	1 2	2 28	1 14	9 38	2 37	9 55	0 46	3 17	1 39	26 20	8 18	20 19	20 3	20 56	6 1	1 32
M24	22 2	10 55	4 59	25 45	2 17	24 25	2 8	10 16	1 0	2 25	1 14	9 37	2 37	9 55	0 46	3 17	1 39	26 19	8 18	20 21	20 3	20 56	6 0	1 31
T 25	22 10	15 9	4 33	25 48	2 18	24 14	2 0	10 0	0 59	2 22	1 15	9 36	2 37	9 55	0 46	3 18	1 39	26 19	8 17	20 23	20 4	20 56	6 0	1 31
W26	22 19	18 32	3 47	25 49	2 17	24 2	1 51	9 43	0 57	2 20	1 15	9 35	2 37	9 55	0 46	3 18	1 39	26 18	8 17	20 24	20 5	20 56	5 59	1 31
T 27	22 27	20 44	2 45	25 48	2 16	23 50	1 42	9 27	0 55	2 17	1 15	9 34	2 36	9 55	0 46	3 19	1 39	26 18	8 17	20 26	20 5	20 55	5 59	1 31
F 28	22 34	21 29	1 32	25 46	2 15	23 38	1 32	9 11	0 54	2 14	1 15	9 33	2 36	9 55	0 46	3 19	1 40	26 18	8 17	20 26	20 6	20 55	5 58	1 31
S 29	22 41	20 42	0 13	25 42	2 13	23 26	1 23	8 54	0 52	2 12	1 16	9 33	2 36	9 55	0 46	3 20	1 40	26 17	8 17	20 26	20 7	20 55	5 58	1 31
S 30	22s48	18n32	1n 6	25s37	2s10	23s14	1s12	8s38	0s50	2n10	1n16	9n32	2s36	9n55	0n46	3s20	1n40	26s17	8s17	20n26	20n 7	20s55	5n57	1n31

Julian Day Number = 2193265.5, Delta T = 10m35s
Ecliptic obliquity = 23°31'47, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'40, Lahiri = 13°59'41 Julian Calendar 1 Nov. 1292 == Greg. Calendar 8 Nov. 1292

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ASTRODIENST EPHEMERIS for the year 1292
geocentric

DECEMBER 1292 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 10 10	17♐ 5'08	25♌35	5♑54	20♑ 9	10♓39	27♍36	1°R15	6♍25	12♎17	8♒10	29♋ 0	0♌26	22♑58	11°R29	M 1
T 2	5 14 7	18° 6'16	9♍36	7°13	20°18	11°19	27°42	1♉12	6°25	12°18	8°11	29° 2	0°22	23° 5	11♈29	T 2
W 3	5 18 3	19° 7'24	23°18	8°30	20°26	11°59	27°48	1°10	6°25	12°19	8°13	29°R 2	0°19	23°11	11°28	W 3
T 4	5 22 0	20° 8'33	6♎42	9°44	20°31	12°39	27°54	1° 7	6°R25	12°20	8°14	29° 0	0°16	23°18	11°27	T 4
F 5	5 25 56	21° 9'43	19°48	10°54	20°33	13°19	28° 0	1° 5	6°25	12°21	8°15	28°57	0°13	23°24	11°27	F 5
S 6	5 29 53	22°10'54	2♏40	12° 1	20°R34	13°59	28° 6	1° 3	6°25	12°22	8°17	28°52	0°10	23°31	11°26	S 6
S 7	5 33 49	23°12'05	15°18	13° 2	20°31	14°39	28°11	1° 1	6°25	12°23	8°18	28°46	0° 7	23°38	11°26	S 7
M 8	5 37 46	24°13'17	27°44	13°59	20°27	15°19	28°17	0°59	6°25	12°24	8°19	28°40	0° 3	23°44	11°25	M 8
T 9	5 41 42	25°14'29	9♐59	14°49	20°19	15°59	28°22	0°57	6°24	12°25	8°21	28°33	0° 0	23°51	11°25	T 9
W10	5 45 39	26°15'41	22° 6	15°32	20°10	16°39	28°27	0°55	6°24	12°26	8°22	28°28	29♋57	23°58	11°25	W10
T 11	5 49 36	27°16'54	4♑ 4	16° 7	19°58	17°19	28°32	0°54	6°24	12°27	8°23	28°24	29°54	24° 4	11°24	T 11
F 12	5 53 32	28°18'06	15°56	16°33	19°43	17°59	28°37	0°52	6°23	12°28	8°25	28°21	29°51	24°11	11°24	F 12
S 13	5 57 29	29°19'19	27°44	16°49	19°26	18°39	28°41	0°51	6°23	12°29	8°26	28°D20	29°47	24°18	11°24	S 13
S 14	6 1 25	0♑20'32	9♒30	16°R55	19° 6	19°20	28°45	0°50	6°22	12°30	8°28	28°21	29°44	24°24	11°24	S 14
M15	6 5 22	1°21'44	21°17	16°50	18°45	20° 0	28°50	0°48	6°22	12°30	8°29	28°22	29°41	24°31	11°D24	M15
T 16	6 9 18	2°22'56	3♓10	16°32	18°21	20°40	28°54	0°47	6°21	12°31	8°31	28°24	29°38	24°38	11°24	T 16
W17	6 13 15	3°24'08	15°13	16° 3	17°54	21°20	28°57	0°46	6°20	12°32	8°32	28°26	29°35	24°44	11°24	W17
T 18	6 17 11	4°25'19	27°30	15°23	17°26	22° 1	29° 1	0°45	6°20	12°32	8°34	28°27	29°32	24°51	11°24	T 18
F 19	6 21 8	5°26'30	10♈ 7	14°31	16°56	22°41	29° 5	0°45	6°19	12°33	8°35	28°R27	29°28	24°58	11°25	F 19
S 20	6 25 5	6°27'41	23° 7	13°29	16°25	23°21	29° 8	0°44	6°18	12°34	8°37	28°26	29°25	25° 4	11°25	S 20
S 21	6 29 1	7°28'51	6♉34	12°20	15°52	24° 2	29°11	0°44	6°17	12°34	8°38	28°24	29°22	25°11	11°25	S 21
M22	6 32 58	8°30'00	20°30	11° 5	15°17	24°42	29°14	0°43	6°16	12°35	8°40	28°22	29°19	25°17	11°26	M22
T 23	6 36 54	9°31'09	4♊53	9°46	14°42	25°23	29°17	0°43	6°15	12°35	8°42	28°19	29°16	25°24	11°26	T 23
W24	6 40 51	10°32'18	19°40	8°26	14° 6	26° 3	29°19	0°43	6°14	12°36	8°43	28°17	29°13	25°31	11°27	W24
T 25	6 44 47	11°33'26	4♋45	7° 7	13°29	26°44	29°22	0°D43	6°13	12°36	8°45	28°15	29° 9	25°37	11°27	T 25
F 26	6 48 44	12°34'34	19°57	5°53	12°52	27°24	29°24	0°43	6°12	12°37	8°46	28°14	29° 6	25°44	11°28	F 26
S 27	6 52 40	13°35'41	5♌ 9	4°44	12°15	28° 4	29°26	0°43	6°10	12°37	8°48	28°D14	29° 3	25°51	11°29	S 27
S 28	6 56 37	14°36'48	20° 9	3°43	11°39	28°45	29°28	0°43	6° 9	12°37	8°50	28°14	29° 0	25°57	11°29	S 28
M29	7 0 34	15°37'54	4♍51	2°50	11° 2	29°25	29°29	0°43	6° 8	12°37	8°51	28°15	28°57	26° 4	11°30	M29
T 30	7 4 30	16°39'01	19°10	2° 6	10°27	0♈ 6	29°31	0°44	6° 6	12°38	8°53	28°16	28°53	26°11	11°31	T 30
W31	7 8 27	17♑40'06	3♎ 3	1♑32	9♑53	0♈46	29♍32	0♉45	6♍ 5	12♎38	8♒55	28♋17	28♋50	26♑17	11♈32	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s54	15n14	2n19	25s30	2s 6	23s 2	1s 2	8s21	0s49	2n 7	1n16	9n31	2s35	9n55	0n46	3s21	1n40	26s16	8s17	20n26	20n 8	20s54	5n57	1n30
T 2	23 0	11 7	3 23	25 22	2 2	22 49	0 50	8 4	0 47	2 5	1 16	9 31	2 35	9 55	0 46	3 21	1 40	26 16	8 17	20 26	20 9	20 54	5 56	1 30
W 3	23 5	6 32	4 13	25 12	1 57	22 37	0 39	7 48	0 46	2 3	1 17	9 30	2 35	9 55	0 47	3 21	1 40	26 15	8 16	20 26	20 10	20 54	5 56	1 30
T 4	23 10	1 44	4 48	25 1	1 51	22 24	0 27	7 31	0 44	2 1	1 17	9 30	2 35	9 55	0 47	3 22	1 40	26 15	8 16	20 26	20 10	20 54	5 56	1 30
F 5	23 14	3s 2	5 7	24 49	1 44	22 11	0 15	7 14	0 42	1 59	1 17	9 29	2 34	9 55	0 47	3 22	1 40	26 14	8 16	20 27	20 11	20 53	5 55	1 30
S 6	23 18	7 35	5 10	24 35	1 36	21 59	0 2	6 57	0 41	1 57	1 17	9 29	2 34	9 55	0 47	3 22	1 40	26 14	8 16	20 28	20 12	20 53	5 55	1 30
S 7	23 21	11 43	4 58	24 20	1 27	21 46	0n11	6 40	0 39	1 55	1 18	9 28	2 34	9 55	0 47	3 23	1 40	26 14	8 16	20 29	20 12	20 53	5 54	1 29
M 8	23 24	15 18	4 32	24 4	1 17	21 33	0 25	6 24	0 38	1 53	1 18	9 28	2 34	9 55	0 47	3 23	1 40	26 13	8 16	20 30	20 13	20 53	5 54	1 29
T 9	23 27	18 10	3 54	23 47	1 6	21 21	0 39	6 7	0 36	1 51	1 18	9 27	2 33	9 55	0 47	3 23	1 40	26 13	8 16	20 32	20 14	20 52	5 54	1 29
W10	23 29	20 12	3 6	23 30	0 53	21 8	0 53	5 50	0 35	1 49	1 18	9 27	2 33	9 55	0 47	3 24	1 40	26 12	8 16	20 33	20 14	20 52	5 54	1 29
T 11	23 30	21 19	2 9	23 12	0 40	20 55	1 8	5 33	0 34	1 47	1 19	9 27	2 33	9 55	0 47	3 24	1 40	26 12	8 16	20 34	20 15	20 52	5 53	1 29
F 12	23 31	21 27	1 8	22 55	0 25	20 43	1 23	5 16	0 32	1 46	1 19	9 26	2 32	9 56	0 47	3 24	1 40	26 11	8 16	20 34	20 16	20 51	5 53	1 29
S 13	23 32	20 38	0 3	22 37	0 9	20 30	1 38	4 58	0 31	1 44	1 19	9 26	2 32	9 56	0 47	3 25	1 40	26 11	8 16	20 34	20 16	20 51	5 53	1 29
S 14	23 32	18 55	1s 1	22 19	0n 8	20 18	1 53	4 41	0 29	1 43	1 20	9 26	2 32	9 56	0 47	3 25	1 40	26 10	8 15	20 34	20 17	20 51	5 53	1 28
M15	23 31	16 24	2 3	22 2	0 26	20 6	2 8	4 24	0 28	1 41	1 20	9 26	2 32	9 56	0 47	3 25	1 41	26 10	8 15	20 34	20 18	20 50	5 53	1 28
T 16	23 30	13 11	3 0	21 45	0 45	19 53	2 24	4 7	0 27	1 40	1 20	9 26	2 31	9 57	0 47	3 25	1 41	26 9	8 15	20 33	20 18	20 50	5 53	1 28
W17	23 29	9 23	3 50	21 29	1 5	19 41	2 40	3 50	0 25	1 39	1 20	9 26	2 31	9 57	0 47	3 25	1 41	26 9	8 15	20 33	20 19	20 50	5 52	1 28
T 18	23 27	5 8	4 31	21 15	1 24	19 29	2 55	3 33	0 24	1 37	1 21	9 26	2 31	9 57	0 47	3 26	1 41	26 8	8 15	20 33	20 20	20 50	5 52	1 28
F 19	23 25	0 34	5 0	21 1	1 43	19 18	3 11	3 15	0 23	1 36	1 21	9 26	2 30	9 58	0 47	3 26	1 41	26 8	8 15	20 33	20 20	20 49	5 52	1 28
S 20	23 22	4n 9	5 15	20 49	2 2	19 6	3 26	2 58	0 21	1 35	1 21	9 26	2 30	9 58	0 47	3 26	1 41	26 7	8 15	20 33	20 21	20 49	5 52	1 27
S 21	23 19	8 50	5 13	20 38	2 20	18 55	3 41	2 41	0 20	1 34	1 21	9 26	2 30	9 58	0 47	3 26	1 41	26 7	8 15	20 34	20 22	20 49	5 52	1 27
M22	23 15	13 14	4 53	20 29	2 36	18 44	3 56	2 24	0 19	1 33	1 22	9 26	2 29	9 59	0 47	3 26	1 41	26 6	8 15	20 34	20 22	20 48	5 52	1 27
T 23	23 11	17 1	4 14	20 21	2 50	18 33	4 11	2 7	0 17	1 32	1 22	9 26	2 29	9 59	0 47	3 26	1 41	26 6	8 15	20 35	20 23	20 48	5 52	1 27
W24	23 7	19 50	3 18	20 14	3 2	18 23	4 25	1 49	0 16	1 32	1 22	9 26	2 29	10 0	0 47	3 27	1 41	26 5	8 15	20 35	20 24	20 47	5 52	1 27
T 25	23 1	21 20	2 7	20 9	3 11	18 13	4 39	1 32	0 15	1 31	1 23	9 27	2 29	10 0	0 47	3 27	1 41	26 5	8 15	20 35	20 24	20 47	5 53	1 27
F 26	22 56	21 17	0 46	20 6	3 18	18 3	4 52	1 15	0 14	1 30	1 23	9 27	2 28	10 1	0 48	3 27	1 41	26 4	8 15	20 36	20 25	20 47	5 53	1 26
S 27	22 50	19 40	0n38	20 4	3 23	17 54	5 5	0 58	0 12	1 30	1 23	9 27	2 28	10 1	0 48	3 27	1 41	26 4	8 15	20 36	20 26	20 46	5 53	1 26
S 28	22 44	16 42	1 59	20 4	3 25	17 45	5 17	0 40	0 11	1 29	1 23	9 28	2 28	10 2	0 48	3 27	1 41	26 4	8 15	20 35	20 26	20 46	5 53	1 26
M29	22 37	12 42	3 10	20 5	3 25	17 37	5 29	0 23	0 10	1 29	1 24	9 28	2 27	10 2	0 48	3 27	1 41	26 3	8 15	20 35	20 27	20 46	5 53	1 26
T 30	22 29	8 5	4 7	20 8	3 23	17 29	5 39	0 6	0 9	1 29	1 24	9 29	2 27	10 3	0 48	3 27	1 41	26 3	8 15	20 35	20 28	20 45	5 53	1 26
W31	22s21	3n10	4n48	20s12	3n19	17s21	5n49	0n11	0s 8	1n28	1n24	9n29	2s27	10n 3	0n48	3s27	1n42	26s 2	8s15	20n35	20n28	20s45	5n53	1n26

Julian Day Number = 2193295.5, Delta T = 10m35s
Ecliptic obliquity = 23°31'47, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'44, Lahiri = 13°59'45 Julian Calendar 1 Dec. 1292 == Greg. Calendar 8 Dec. 1292

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

JANUARY 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 12 23	18♑41'12	16♎32	1°R 8	9°R20	1♈27	29♍33	0♉45	6°R 4	12♎38	8♒56	28°R18	28♋47	26♑24	11♈33	T 1
F 2	7 16 20	19°42'17	29°37	0♑52	8♑48	2° 7	29°34	0°46	6♍ 2	12°38	8°58	28♋17	28°44	26°31	11°34	F 2
S 3	7 20 16	20°43'22	12♏21	0°D46	8°18	2°48	29°35	0°47	6° 0	12°38	9° 0	28°17	28°41	26°37	11°35	S 3
S 4	7 24 13	21°44'26	24°49	0°47	7°50	3°28	29°35	0°48	5°59	12°38	9° 2	28°16	28°38	26°44	11°36	S 4
M 5	7 28 9	22°45'30	7♐ 2	0°57	7°23	4° 9	29°36	0°49	5°57	12°39	9° 3	28°15	28°34	26°50	11°37	M 5
T 6	7 32 6	23°46'33	19° 5	1°13	6°59	4°49	29°R36	0°51	5°56	12°R39	9° 5	28°15	28°31	26°57	11°39	T 6
W 7	7 36 3	24°47'35	1♑ 1	1°37	6°37	5°30	29°36	0°52	5°54	12°38	9° 7	28°14	28°28	27° 4	11°40	W 7
T 8	7 39 59	25°48'37	12°51	2° 6	6°17	6°10	29°36	0°54	5°52	12°38	9° 9	28°14	28°25	27°10	11°41	T 8
F 9	7 43 56	26°49'38	24°39	2°41	6° 0	6°51	29°35	0°55	5°50	12°38	9°10	28°D14	28°22	27°17	11°43	F 9
S 10	7 47 52	27°50'38	6♒26	3°20	5°45	7°31	29°34	0°57	5°48	12°38	9°12	28°R14	28°19	27°24	11°44	S 10
S 11	7 51 49	28°51'37	18°15	4° 4	5°33	8°12	29°34	0°59	5°46	12°38	9°14	28°14	28°15	27°30	11°46	S 11
M12	7 55 45	29°52'34	0♓ 7	4°53	5°23	8°53	29°33	1° 1	5°45	12°38	9°16	28°14	28°12	27°37	11°47	M12
T 13	7 59 42	0♒53'31	12° 6	5°44	5°15	9°33	29°31	1° 3	5°43	12°38	9°17	28°13	28° 9	27°44	11°49	T 13
W14	8 3 38	1°54'26	24°14	6°40	5°10	10°14	29°30	1° 5	5°41	12°37	9°19	28°13	28° 6	27°50	11°51	W14
T 15	8 7 35	2°55'20	6♈34	7°38	5° 8	10°54	29°28	1° 7	5°39	12°37	9°21	28°12	28° 3	27°57	11°52	T 15
F 16	8 11 32	3°56'12	19°11	8°39	5°D 8	11°35	29°27	1°10	5°36	12°37	9°23	28°12	27°59	28° 4	11°54	F 16
S 17	8 15 28	4°57'03	2♉ 6	9°43	5°10	12°15	29°25	1°12	5°34	12°36	9°24	28°D12	27°56	28°10	11°56	S 17
S 18	8 19 25	5°57'53	15°24	10°49	5°15	12°56	29°22	1°15	5°32	12°36	9°26	28°12	27°53	28°17	11°58	S 18
M19	8 23 21	6°58'41	29° 6	11°58	5°21	13°36	29°20	1°17	5°30	12°36	9°28	28°12	27°50	28°24	12° 0	M19
T 20	8 27 18	7°59'27	13♊14	13° 8	5°31	14°17	29°18	1°20	5°28	12°35	9°30	28°13	27°47	28°30	12° 2	T 20
W21	8 31 14	9° 0'12	27°47	14°20	5°42	14°57	29°15	1°23	5°26	12°35	9°32	28°14	27°44	28°37	12° 4	W21
T 22	8 35 11	10° 0'56	12♋40	15°34	5°56	15°38	29°12	1°26	5°23	12°34	9°33	28°15	27°40	28°43	12° 6	T 22
F 23	8 39 7	11° 1'38	27°48	16°50	6°11	16°18	29° 9	1°29	5°21	12°34	9°35	28°R15	27°37	28°50	12° 8	F 23
S 24	8 43 4	12° 2'18	13♌ 1	18° 7	6°29	16°59	29° 6	1°32	5°19	12°33	9°37	28°15	27°34	28°57	12°10	S 24
S 25	8 47 1	13° 2'57	28°10	19°25	6°49	17°39	29° 2	1°36	5°16	12°32	9°39	28°14	27°31	29° 3	12°12	S 25
M26	8 50 57	14° 3'35	13♍ 5	20°45	7°10	18°19	28°59	1°39	5°14	12°32	9°41	28°12	27°28	29°10	12°14	M26
T 27	8 54 54	15° 4'11	27°40	22° 6	7°34	19° 0	28°55	1°43	5°12	12°31	9°42	28°10	27°25	29°17	12°17	T 27
W28	8 58 50	16° 4'46	11♎48	23°29	7°59	19°40	28°51	1°46	5° 9	12°30	9°44	28° 7	27°21	29°23	12°19	W28
T 29	9 2 47	17° 5'19	25°28	24°52	8°26	20°21	28°47	1°50	5° 7	12°30	9°46	28° 5	27°18	29°30	12°21	T 29
F 30	9 6 43	18° 5'52	8♏40	26°17	8°54	21° 1	28°43	1°54	5° 4	12°29	9°48	28° 4	27°15	29°37	12°24	F 30
S 31	9 10 40	19♒ 6'23	21♏27	27♑43	9♑24	21♈41	28♍38	1♉58	5♍ 2	12♎28	9♒49	28°D 4	27♋12	29♑43	12♈26	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s13	1s44	5n11	20s18	3n13	17s14	5n58	0n29	0s 7	1n28	1n25	9n30	2s26	10n 4	0n48	3s27	1n42	26s 2	8s15	20n35	20n29	20s44	5n54	1n26	
F 2	22 5	6 25	5 18	20 25	3 7	17 8	6 7	0 46	0 5	1 28	1 25	9 30	2 26	10 4	0 48	3 27	1 42	26 1	8 15	20 35	20 29	20 44	5 54	1 25	
S 3	21 56	10 42	5 8	20 32	2 59	17 2	6 14	1 3	0 4	1 28	1 25	9 31	2 26	10 5	0 48	3 27	1 42	26 1	8 15	20 35	20 30	20 44	5 54	1 25	
S 4	21 46	14 26	4 44	20 41	2 51	16 57	6 21	1 20	0 3	1 28	1 25	9 31	2 26	10 6	0 48	3 27	1 42	26 0	8 15	20 35	20 31	20 43	5 55	1 25	
M 5	21 36	17 29	4 8	20 50	2 42	16 53	6 27	1 37	0 2	1 28	1 26	9 32	2 25	10 6	0 48	3 27	1 42	26 0	8 15	20 35	20 31	20 43	5 55	1 25	
T 6	21 26	19 44	3 21	20 59	2 32	16 49	6 33	1 54	0 1	1 28	1 26	9 33	2 25	10 7	0 48	3 27	1 42	25 59	8 15	20 35	20 32	20 42	5 55	1 25	
W 7	21 15	21 6	2 26	21 9	2 22	16 45	6 37	2 12	0n 0	1 29	1 26	9 34	2 25	10 8	0 48	3 27	1 42	25 59	8 15	20 36	20 33	20 42	5 56	1 25	
T 8	21 4	21 30	1 25	21 18	2 12	16 42	6 41	2 29	0 1	1 29	1 27	9 34	2 24	10 8	0 48	3 27	1 42	25 58	8 15	20 36	20 33	20 42	5 56	1 25	
F 9	20 52	20 57	0 20	21 28	2 2	16 40	6 44	2 46	0 2	1 30	1 27	9 35	2 24	10 9	0 48	3 27	1 42	25 58	8 15	20 36	20 34	20 41	5 56	1 24	
S 10	20 40	19 28	0s46	21 38	1 52	16 38	6 46	3 3	0 3	1 30	1 27	9 36	2 24	10 10	0 48	3 27	1 42	25 57	8 15	20 36	20 35	20 41	5 57	1 24	
S 11	20 28	17 9	1 49	21 47	1 41	16 37	6 48	3 20	0 4	1 31	1 27	9 37	2 23	10 10	0 48	3 27	1 42	25 57	8 15	20 36	20 35	20 40	5 57	1 24	
M12	20 15	14 6	2 48	21 56	1 31	16 36	6 49	3 37	0 5	1 31	1 28	9 38	2 23	10 11	0 48	3 26	1 42	25 56	8 15	20 36	20 36	20 40	5 58	1 24	
T 13	20 2	10 27	3 41	22 4	1 20	16 36	6 50	3 54	0 6	1 32	1 28	9 39	2 23	10 12	0 48	3 26	1 42	25 56	8 15	20 36	20 37	20 39	5 58	1 24	
W14	19 49	6 20	4 24	22 12	1 10	16 37	6 49	4 10	0 7	1 33	1 28	9 40	2 22	10 13	0 48	3 26	1 42	25 55	8 15	20 36	20 37	20 39	5 59	1 24	
T 15	19 35	1 54	4 56	22 19	1 0	16 37	6 49	4 27	0 8	1 34	1 28	9 41	2 22	10 13	0 48	3 26	1 42	25 55	8 15	20 36	20 38	20 39	5 59	1 23	
F 16	19 21	2n41	5 14	22 25	0 50	16 38	6 48	4 44	0 9	1 35	1 29	9 42	2 22	10 14	0 48	3 26	1 42	25 54	8 15	20 36	20 39	20 38	6 0	1 23	
S 17	19 6	7 17	5 17	22 31	0 40	16 40	6 46	5 1	0 10	1 36	1 29	9 43	2 22	10 15	0 48	3 26	1 43	25 54	8 15	20 36	20 39	20 38	6 1	1 23	
S 18	18 51	11 40	5 4	22 35	0 30	16 42	6 44	5 18	0 11	1 37	1 29	9 45	2 21	10 16	0 48	3 25	1 43	25 54	8 15	20 36	20 40	20 37	6 1	1 23	
M19	18 36	15 35	4 33	22 39	0 21	16 44	6 41	5 34	0 12	1 38	1 30	9 46	2 21	10 17	0 48	3 25	1 43	25 53	8 15	20 36	20 40	20 37	6 2	1 23	
T 20	18 20	18 45	3 45	22 41	0 12	16 47	6 39	5 51	0 13	1 39	1 30	9 47	2 21	10 17	0 48	3 25	1 43	25 53	8 15	20 36	20 41	20 36	6 2	1 23	
W21	18 4	20 49	2 41	22 43	0 2	16 49	6 35	6 7	0 14	1 41	1 30	9 48	2 20	10 18	0 48	3 25	1 43	25 52	8 15	20 36	20 42	20 36	6 3	1 23	
T 22	17 48	21 30	1 25	22 43	0s 6	16 52	6 32	6 24	0 15	1 42	1 30	9 50	2 20	10 19	0 48	3 24	1 43	25 52	8 15	20 35	20 42	20 35	6 4	1 23	
F 23	17 32	20 38	0 3	22 43	0 15	16 56	6 28	6 40	0 16	1 43	1 31	9 51	2 20	10 20	0 48	3 24	1 43	25 51	8 15	20 35	20 43	20 35	6 5	1 22	
S 24	17 15	18 16	1n21	22 41	0 23	16 59	6 24	6 57	0 16	1 45	1 31	9 52	2 20	10 21	0 48	3 24	1 43	25 51	8 15	20 35	20 44	20 34	6 5	1 22	
S 25	16 58	14 38	2 38	22 38	0 31	17 3	6 19	7 13	0 17	1 47	1 31	9 54	2 19	10 22	0 48	3 23	1 43	25 50	8 15	20 36	20 44	20 34	6 6	1 22	
M26	16 40	10 7	3 44	22 34	0 39	17 6	6 14	7 29	0 18	1 48	1 31	9 55	2 19	10 23	0 48	3 23	1 43	25 50	8 15	20 36	20 45	20 33	6 7	1 22	
T 27	16 23	5 6	4 33	22 28	0 46	17 10	6 10	7 46	0 19	1 50	1 32	9 57	2 19	10 24	0 48	3 23	1 43	25 50	8 16	20 36	20 45	20 33	6 8	1 22	
W28	16 5	0s 1	5 4	22 22	0 54	17 14	6 4	8 2	0 20	1 52	1 32	9 58	2 18	10 24	0 48	3 23	1 43	25 49	8 16	20 37	20 46	20 32	6 8	1 22	
T 29	15 46	4 59	5 16	22 14	1 1	17 17	5 59	8 18	0 21	1 54	1 32	10 0	2 18	10 25	0 48	3 22	1 43	25 49	8 16	20 37	20 47	20 32	6 9	1 22	
F 30	15 28	9 32	5 11	22 4	1 7	17 21	5 54	8 34	0 21	1 56	1 32	10 1	2 18	10 26	0 49	3 22	1 43	25 48	8 16	20 38	20 47	20 31	6 10	1 21	
S 31	15s 9	13s31	4n51	21s54	1s14	17s25	5n48	8n50	0n22	1n58	1n33	10n 3	2s18	10n27	0n49	3s21	1n43	25s48	8s16	20n38	20n48	20s30	6n11	1n21	

Julian Day Number = 2193326.5, Delta T = 10m35s
Ecliptic obliquity = 23°31'47, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'49, Lahiri = 13°59'49 Julian Calendar 1 Jan. 1293 == Greg. Calendar 8 Jan. 1293

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

FEBRUARY 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 14 36	20♒ 6'53	3♐53	29♑10	9♑56	22♈22	28°R33	2♉ 2	4°R59	12°R27	9♒51	28♋ 5	27♋ 9	29♑50	12♈29	S 1
M 2	9 18 33	21° 7'21	16° 2	0♒38	10°29	23° 2	28♍29	2° 6	4♍57	12♎26	9°53	28° 6	27° 5	29°57	12°31	M 2
T 3	9 22 30	22° 7'48	28° 0	2° 7	11° 4	23°42	28°24	2°10	4°54	12°25	9°55	28° 8	27° 2	0♒ 3	12°34	T 3
W 4	9 26 26	23° 8'14	9♑50	3°38	11°40	24°23	28°19	2°14	4°52	12°24	9°56	28° 9	26°59	0°10	12°37	W 4
T 5	9 30 23	24° 8'38	21°36	5° 9	12°17	25° 3	28°13	2°19	4°49	12°24	9°58	28°11	26°56	0°16	12°39	T 5
F 6	9 34 19	25° 9'01	3♒22	6°41	12°55	25°43	28° 8	2°23	4°47	12°23	10° 0	28°R11	26°53	0°23	12°42	F 6
S 7	9 38 16	26° 9'22	15°12	8°14	13°35	26°23	28° 2	2°27	4°44	12°22	10° 2	28° 9	26°50	0°30	12°45	S 7
S 8	9 42 12	27° 9'41	27° 6	9°49	14°16	27° 4	27°57	2°32	4°42	12°21	10° 3	28° 6	26°46	0°36	12°48	S 8
M 9	9 46 9	28° 9'58	9♓ 8	11°24	14°57	27°44	27°51	2°37	4°39	12°20	10° 5	28° 2	26°43	0°43	12°50	M 9
T 10	9 50 5	29°10'14	21°18	13° 0	15°40	28°24	27°45	2°42	4°36	12°18	10° 7	27°57	26°40	0°50	12°53	T 10
W11	9 54 2	0♓10'27	3♈39	14°38	16°24	29° 4	27°39	2°46	4°34	12°17	10° 9	27°51	26°37	0°56	12°56	W11
T 12	9 57 59	1°10'39	16°11	16°16	17° 9	29°45	27°33	2°51	4°31	12°16	10°10	27°45	26°34	1° 3	12°59	T 12
F 13	10 1 55	2°10'48	28°56	17°55	17°55	0♉25	27°26	2°56	4°29	12°15	10°12	27°40	26°30	1°10	13° 2	F 13
S 14	10 5 52	3°10'56	11♉55	19°36	18°41	1° 5	27°20	3° 1	4°26	12°14	10°14	27°37	26°27	1°16	13° 5	S 14
S 15	10 9 48	4°11'01	25°12	21°17	19°29	1°45	27°13	3° 7	4°23	12°13	10°15	27°35	26°24	1°23	13° 8	S 15
M16	10 13 45	5°11'05	8♊46	23° 0	20°17	2°25	27° 7	3°12	4°21	12°11	10°17	27°D35	26°21	1°30	13°11	M16
T 17	10 17 41	6°11'06	22°40	24°44	21° 6	3° 5	27° 0	3°17	4°18	12°10	10°19	27°35	26°18	1°36	13°14	T 17
W18	10 21 38	7°11'05	6♋54	26°29	21°56	3°45	26°53	3°23	4°15	12° 9	10°20	27°37	26°15	1°43	13°17	W18
T 19	10 25 34	8°11'01	21°27	28°15	22°47	4°25	26°46	3°28	4°13	12° 8	10°22	27°R38	26°11	1°50	13°20	T 19
F 20	10 29 31	9°10'56	6♌14	0♓ 2	23°38	5° 5	26°39	3°34	4°10	12° 6	10°23	27°38	26° 8	1°56	13°24	F 20
S 21	10 33 28	10°10'48	21°11	1°50	24°30	5°45	26°32	3°39	4° 8	12° 5	10°25	27°36	26° 5	2° 3	13°27	S 21
S 22	10 37 24	11°10'38	6♍ 9	3°39	25°23	6°25	26°25	3°45	4° 5	12° 4	10°27	27°32	26° 2	2° 9	13°30	S 22
M23	10 41 21	12°10'26	21° 1	5°30	26°16	7° 5	26°18	3°51	4° 2	12° 2	10°28	27°26	25°59	2°16	13°33	M23
T 24	10 45 17	13°10'12	5♎36	7°22	27°10	7°45	26°10	3°57	4° 0	12° 1	10°30	27°19	25°56	2°23	13°37	T 24
W25	10 49 14	14° 9'56	19°50	9°14	28° 5	8°25	26° 3	4° 2	3°57	12° 0	10°31	27°11	25°52	2°29	13°40	W25
T 26	10 53 10	15° 9'38	3♏37	11° 8	29° 0	9° 5	25°55	4° 8	3°55	11°58	10°33	27° 4	25°49	2°36	13°43	T 26
F 27	10 57 7	16° 9'19	16°56	13° 4	29°55	9°45	25°48	4°14	3°52	11°57	10°34	26°58	25°46	2°43	13°47	F 27
S 28	11 1 3	17♓ 8'58	29♏49	15♓ 0	0♒51	10♉25	25♍40	4♉21	3♍50	11♎55	10♒36	26♋55	25♋43	2♒49	13♈50	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s50	16s48	4n17	21s42	1s20	17s28	5n42	9n 5	0n23	2n 0	1n33	10n 4	2s17	10n28	0n49	3s21	1n43	25s48	8s16	20n37	20n49	20s30	6n12	1n21
M 2	14 31	19 17	3 32	21 29	1 25	17 32	5 36	9 21	0 24	2 2	1 33	10 6	2 17	10 29	0 49	3 21	1 43	25 47	8 16	20 37	20 49	20 29	6 13	1 21
T 3	14 11	20 52	2 39	21 14	1 31	17 35	5 30	9 37	0 25	2 4	1 33	10 8	2 17	10 30	0 49	3 20	1 44	25 47	8 16	20 37	20 50	20 29	6 13	1 21
W 4	13 51	21 31	1 40	20 58	1 36	17 38	5 24	9 53	0 25	2 6	1 33	10 9	2 17	10 31	0 49	3 20	1 44	25 46	8 16	20 37	20 50	20 28	6 14	1 21
T 5	13 31	21 12	0 36	20 41	1 41	17 41	5 17	10 8	0 26	2 8	1 34	10 11	2 16	10 32	0 49	3 20	1 44	25 46	8 16	20 36	20 51	20 28	6 15	1 21
F 6	13 11	19 56	0s29	20 22	1 45	17 44	5 11	10 24	0 27	2 11	1 34	10 13	2 16	10 33	0 49	3 19	1 44	25 46	8 17	20 36	20 52	20 27	6 16	1 21
S 7	12 51	17 49	1 32	20 2	1 49	17 47	5 5	10 39	0 28	2 13	1 34	10 15	2 16	10 34	0 49	3 19	1 44	25 45	8 17	20 37	20 52	20 27	6 17	1 20
S 8	12 30	14 54	2 32	19 40	1 53	17 49	4 58	10 54	0 28	2 16	1 34	10 17	2 16	10 35	0 49	3 18	1 44	25 45	8 17	20 37	20 53	20 26	6 18	1 20
M 9	12 9	11 21	3 26	19 17	1 56	17 52	4 51	11 9	0 29	2 18	1 34	10 18	2 15	10 36	0 49	3 18	1 44	25 44	8 17	20 38	20 53	20 25	6 19	1 20
T 10	11 48	7 18	4 11	18 53	1 59	17 53	4 45	11 25	0 30	2 21	1 35	10 20	2 15	10 37	0 49	3 17	1 44	25 44	8 17	20 39	20 54	20 25	6 20	1 20
W11	11 27	2 54	4 45	18 27	2 2	17 55	4 38	11 40	0 30	2 23	1 35	10 22	2 15	10 38	0 49	3 17	1 44	25 44	8 17	20 40	20 55	20 24	6 21	1 20
T 12	11 6	1n41	5 6	17 59	2 4	17 56	4 31	11 54	0 31	2 26	1 35	10 24	2 15	10 39	0 49	3 16	1 44	25 43	8 17	20 41	20 55	20 24	6 22	1 20
F 13	10 44	6 16	5 12	17 31	2 6	17 57	4 25	12 9	0 32	2 29	1 35	10 26	2 14	10 40	0 49	3 16	1 44	25 43	8 17	20 42	20 56	20 23	6 23	1 20
S 14	10 23	10 40	5 2	17 0	2 7	17 58	4 18	12 24	0 32	2 31	1 35	10 28	2 14	10 41	0 49	3 15	1 44	25 43	8 18	20 43	20 57	20 22	6 24	1 20
S 15	10 1	14 39	4 37	16 29	2 8	17 58	4 11	12 39	0 33	2 34	1 36	10 30	2 14	10 42	0 49	3 15	1 44	25 42	8 18	20 43	20 57	20 22	6 25	1 19
M16	9 39	17 59	3 55	15 56	2 9	17 58	4 4	12 53	0 34	2 37	1 36	10 32	2 14	10 42	0 49	3 14	1 44	25 42	8 18	20 43	20 58	20 21	6 27	1 19
T 17	9 17	20 21	2 59	15 21	2 9	17 57	3 57	13 8	0 34	2 40	1 36	10 34	2 13	10 43	0 49	3 14	1 44	25 42	8 18	20 43	20 58	20 21	6 28	1 19
W18	8 54	21 31	1 51	14 45	2 9	17 56	3 51	13 22	0 35	2 43	1 36	10 36	2 13	10 44	0 49	3 13	1 44	25 41	8 18	20 43	20 59	20 20	6 29	1 19
T 19	8 32	21 16	0 34	14 8	2 8	17 55	3 44	13 36	0 36	2 45	1 36	10 38	2 13	10 45	0 49	3 13	1 44	25 41	8 18	20 43	21 0	20 19	6 30	1 19
F 20	8 9	19 32	0n47	13 29	2 7	17 53	3 37	13 50	0 36	2 48	1 36	10 40	2 13	10 46	0 49	3 12	1 44	25 41	8 18	20 43	21 0	20 19	6 31	1 19
S 21	7 47	16 27	2 4	12 48	2 5	17 51	3 30	14 4	0 37	2 51	1 36	10 42	2 12	10 47	0 49	3 12	1 44	25 41	8 19	20 43	21 1	20 18	6 32	1 19
S 22	7 24	12 17	3 14	12 7	2 3	17 49	3 23	14 18	0 38	2 54	1 37	10 44	2 12	10 48	0 49	3 11	1 44	25 40	8 19	20 44	21 1	20 17	6 33	1 19
M23	7 1	7 23	4 9	11 24	2 0	17 46	3 16	14 32	0 38	2 57	1 37	10 47	2 12	10 49	0 49	3 11	1 44	25 40	8 19	20 45	21 2	20 17	6 34	1 19
T 24	6 38	2 9	4 47	10 39	1 57	17 42	3 10	14 46	0 39	3 0	1 37	10 49	2 12	10 50	0 49	3 10	1 44	25 40	8 19	20 47	21 3	20 16	6 36	1 18
W25	6 15	3s 4	5 6	9 53	1 53	17 38	3 3	14 59	0 39	3 3	1 37	10 51	2 12	10 51	0 49	3 9	1 44	25 39	8 19	20 48	21 3	20 15	6 37	1 18
T 26	5 52	7 58	5 6	9 6	1 49	17 34	2 56	15 12	0 40	3 6	1 37	10 53	2 11	10 52	0 49	3 9	1 44	25 39	8 20	20 49	21 4	20 15	6 38	1 18
F 27	5 29	12 19	4 50	8 17	1 44	17 29	2 49	15 26	0 40	3 10	1 37	10 55	2 11	10 53	0 49	3 8	1 45	25 39	8 20	20 51	21 4	20 14	6 39	1 18
S 28	5s 6	15s58	4n19	7s27	1s39	17s24	2n43	15n39	0n41	3n13	1n37	10n58	2s11	10n54	0n49	3s 8	1n45	25s39	8s20	20n51	21n 5	20s13	6n40	1n18

Julian Day Number = 2193357.5, Delta T = 10m35s
Ecliptic obliquity = 23°31'48, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'53, Lahiri = 13°59'53 Julian Calendar 1 Feb. 1293 == Greg. Calendar 8 Feb. 1293

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

MARCH 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 5 0	18♓ 8'35	12♐19	16♓57	1♒48	11♉ 5	25°R33	4♉27	3°R47	11°R54	10♒37	26°R53	25♋40	2♒56	13♈53	S 1
M 2	11 8 57	19° 8'10	24°30	18°55	2°45	11°45	25♍25	4°33	3♍45	11♎52	10°39	26°D53	25°36	3° 3	13°57	M 2
T 3	11 12 53	20° 7'44	6♑27	20°55	3°43	12°25	25°17	4°39	3°42	11°51	10°40	26♋54	25°33	3° 9	14° 0	T 3
W 4	11 16 50	21° 7'16	18°16	22°55	4°41	13° 4	25°10	4°45	3°40	11°49	10°42	26°55	25°30	3°16	14° 4	W 4
T 5	11 20 46	22° 6'46	0♒ 2	24°55	5°39	13°44	25° 2	4°52	3°37	11°48	10°43	26°R55	25°27	3°23	14° 7	T 5
F 6	11 24 43	23° 6'14	11°50	26°57	6°38	14°24	24°54	4°58	3°35	11°46	10°45	26°54	25°24	3°29	14°11	F 6
S 7	11 28 39	24° 5'40	23°43	28°59	7°37	15° 4	24°47	5° 5	3°32	11°45	10°46	26°50	25°21	3°36	14°14	S 7
S 8	11 32 36	25° 5'04	5♓45	1♈ 1	8°37	15°43	24°39	5°11	3°30	11°43	10°47	26°44	25°17	3°42	14°18	S 8
M 9	11 36 32	26° 4'26	17°58	3° 2	9°37	16°23	24°31	5°18	3°28	11°42	10°49	26°36	25°14	3°49	14°21	M 9
T 10	11 40 29	27° 3'46	0♈24	5° 4	10°37	17° 3	24°23	5°25	3°25	11°40	10°50	26°25	25°11	3°56	14°25	T 10
W11	11 44 25	28° 3'04	13° 2	7° 5	11°38	17°42	24°15	5°31	3°23	11°39	10°51	26°14	25° 8	4° 2	14°28	W11
T 12	11 48 22	29° 2'20	25°52	9° 5	12°39	18°22	24° 8	5°38	3°21	11°37	10°53	26° 3	25° 5	4° 9	14°32	T 12
F 13	11 52 19	0♈ 1'34	8♉56	11° 4	13°40	19° 2	24° 0	5°45	3°18	11°35	10°54	25°53	25° 1	4°16	14°35	F 13
S 14	11 56 15	1° 0'45	22°10	13° 2	14°42	19°41	23°52	5°52	3°16	11°34	10°55	25°45	24°58	4°22	14°39	S 14
S 15	12 0 12	1°59'54	5♊37	14°57	15°44	20°21	23°45	5°59	3°14	11°32	10°56	25°39	24°55	4°29	14°43	S 15
M16	12 4 8	2°59'01	19°15	16°50	16°46	21° 0	23°37	6° 6	3°12	11°31	10°58	25°37	24°52	4°36	14°46	M16
T 17	12 8 5	3°58'06	3♋ 6	18°40	17°49	21°40	23°30	6°13	3°10	11°29	10°59	25°D36	24°49	4°42	14°50	T 17
W18	12 12 1	4°57'08	17° 8	20°27	18°51	22°19	23°22	6°20	3° 8	11°27	11° 0	25°36	24°46	4°49	14°54	W18
T 19	12 15 58	5°56'08	1♌23	22°11	19°54	22°59	23°15	6°27	3° 5	11°26	11° 1	25°R36	24°42	4°56	14°57	T 19
F 20	12 19 54	6°55'05	15°47	23°51	20°58	23°38	23° 7	6°34	3° 3	11°24	11° 2	25°35	24°39	5° 2	15° 1	F 20
S 21	12 23 51	7°54'00	0♍20	25°26	22° 1	24°18	23° 0	6°41	3° 1	11°22	11° 3	25°31	24°36	5° 9	15° 5	S 21
S 22	12 27 48	8°52'53	14°55	26°58	23° 5	24°57	22°53	6°48	2°59	11°21	11° 5	25°24	24°33	5°16	15° 8	S 22
M23	12 31 44	9°51'44	29°26	28°24	24° 9	25°37	22°46	6°55	2°58	11°19	11° 6	25°15	24°30	5°22	15°12	M23
T 24	12 35 41	10°50'32	13♎46	29°45	25°13	26°16	22°38	7° 3	2°56	11°17	11° 7	25° 4	24°27	5°29	15°16	T 24
W25	12 39 37	11°49'19	27°50	1♉ 2	26°17	26°55	22°31	7°10	2°54	11°16	11° 8	24°53	24°23	5°35	15°19	W25
T 26	12 43 34	12°48'03	11♏33	2°12	27°22	27°35	22°25	7°17	2°52	11°14	11° 9	24°42	24°20	5°42	15°23	T 26
F 27	12 47 30	13°46'46	24°51	3°18	28°27	28°14	22°18	7°24	2°50	11°12	11°10	24°32	24°17	5°49	15°27	F 27
S 28	12 51 27	14°45'27	7♐45	4°18	29°32	28°53	22°11	7°32	2°48	11°11	11°11	24°25	24°14	5°55	15°30	S 28
S 29	12 55 23	15°44'06	20°17	5°12	0♓37	29°32	22° 4	7°39	2°47	11° 9	11°12	24°20	24°11	6° 2	15°34	S 29
M30	12 59 20	16°42'44	2♑30	6° 0	1°43	0♊12	21°58	7°47	2°45	11° 8	11°13	24°18	24° 7	6° 9	15°38	M30
T 31	13 3 17	17♈41'19	14♑29	6♉42	2♓48	0♊51	21♍51	7♉54	2♍43	11♎ 6	11♒13	24♋17	24♋ 4	6♒15	15♈42	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s42	18s46	3n37	6s36	1s33	17s18	2n36	15n52	0n42	3n16	1n37	11n 0	2s11	10n55	0n49	3s 7	1n45	25s38	8s20	20n52	21n 5	20s13	6n42	1n18
M 2	4 19	20 39	2 46	5 44	1 27	17 12	2 29	16 5	0 42	3 19	1 37	11 2	2 11	10 56	0 49	3 6	1 45	25 38	8 20	20 52	21 6	20 12	6 43	1 18
T 3	3 55	21 34	1 48	4 50	1 20	17 5	2 23	16 18	0 43	3 22	1 37	11 4	2 10	10 56	0 49	3 6	1 45	25 38	8 20	20 51	21 7	20 11	6 44	1 18
W 4	3 32	21 31	0 46	3 56	1 12	16 58	2 16	16 30	0 43	3 25	1 37	11 7	2 10	10 57	0 49	3 5	1 45	25 38	8 21	20 51	21 7	20 11	6 45	1 18
T 5	3 8	20 30	0s17	3 0	1 4	16 50	2 10	16 43	0 44	3 28	1 37	11 9	2 10	10 58	0 49	3 5	1 45	25 38	8 21	20 51	21 8	20 10	6 47	1 18
F 6	2 45	18 34	1 19	2 4	0 56	16 42	2 3	16 55	0 44	3 31	1 37	11 11	2 10	10 59	0 49	3 4	1 45	25 37	8 21	20 51	21 8	20 9	6 48	1 17
S 7	2 21	15 51	2 19	1 7	0 46	16 33	1 57	17 8	0 45	3 34	1 38	11 14	2 10	11 0	0 49	3 3	1 45	25 37	8 21	20 52	21 9	20 9	6 49	1 17
S 8	1 58	12 25	3 13	0 10	0 37	16 24	1 51	17 20	0 45	3 38	1 38	11 16	2 10	11 1	0 49	3 3	1 45	25 37	8 22	20 53	21 10	20 8	6 51	1 17
M 9	1 34	8 25	3 58	0n48	0 27	16 14	1 44	17 32	0 46	3 41	1 38	11 18	2 9	11 2	0 48	3 2	1 45	25 37	8 22	20 55	21 10	20 7	6 52	1 17
T 10	1 10	4 1	4 33	1 46	0 16	16 4	1 38	17 44	0 46	3 44	1 38	11 21	2 9	11 3	0 48	3 1	1 45	25 37	8 22	20 57	21 11	20 6	6 53	1 17
W11	0 47	0n38	4 56	2 44	0 5	15 53	1 32	17 55	0 47	3 47	1 38	11 23	2 9	11 3	0 48	3 1	1 45	25 36	8 22	20 59	21 11	20 6	6 54	1 17
T 12	0 23	5 19	5 4	3 42	0n 6	15 42	1 26	18 7	0 47	3 50	1 38	11 26	2 9	11 4	0 48	3 0	1 45	25 36	8 22	21 1	21 12	20 5	6 56	1 17
F 13	0n 1	9 51	4 56	4 40	0 17	15 31	1 20	18 18	0 48	3 53	1 38	11 28	2 9	11 5	0 48	3 0	1 45	25 36	8 23	21 3	21 12	20 4	6 57	1 17
S 14	0 24	14 0	4 32	5 36	0 29	15 18	1 14	18 30	0 48	3 56	1 38	11 30	2 8	11 6	0 48	2 59	1 45	25 36	8 23	21 5	21 13	20 3	6 58	1 17
S 15	0 48	17 30	3 53	6 32	0 41	15 6	1 8	18 41	0 49	3 59	1 38	11 33	2 8	11 7	0 48	2 58	1 45	25 36	8 23	21 6	21 14	20 3	7 0	1 17
M16	1 11	20 5	3 1	7 27	0 52	14 53	1 2	18 52	0 49	4 2	1 37	11 35	2 8	11 7	0 48	2 58	1 45	25 36	8 23	21 6	21 14	20 2	7 1	1 17
T 17	1 35	21 33	1 57	8 20	1 4	14 39	0 57	19 3	0 49	4 5	1 37	11 38	2 8	11 8	0 48	2 57	1 45	25 36	8 24	21 6	21 15	20 1	7 2	1 17
W18	1 58	21 41	0 45	9 12	1 16	14 25	0 51	19 13	0 50	4 8	1 37	11 40	2 8	11 9	0 48	2 56	1 45	25 35	8 24	21 6	21 15	20 0	7 4	1 16
T 19	2 22	20 26	0n31	10 1	1 27	14 11	0 45	19 24	0 50	4 11	1 37	11 43	2 8	11 10	0 48	2 56	1 45	25 35	8 24	21 6	21 16	20 0	7 5	1 16
F 20	2 45	17 50	1 45	10 49	1 38	13 56	0 40	19 34	0 51	4 14	1 37	11 45	2 8	11 10	0 48	2 55	1 45	25 35	8 24	21 6	21 16	19 59	7 7	1 16
S 21	3 9	14 6	2 53	11 34	1 49	13 41	0 34	19 45	0 51	4 17	1 37	11 47	2 7	11 11	0 48	2 54	1 45	25 35	8 25	21 7	21 17	19 58	7 8	1 16
S 22	3 32	9 30	3 50	12 17	1 59	13 25	0 29	19 55	0 52	4 19	1 37	11 50	2 7	11 12	0 48	2 54	1 45	25 35	8 25	21 8	21 18	19 57	7 9	1 16
M23	3 55	4 23	4 32	12 57	2 9	13 9	0 24	20 5	0 52	4 22	1 37	11 52	2 7	11 12	0 48	2 53	1 45	25 35	8 25	21 10	21 18	19 57	7 11	1 16
T 24	4 18	0s55	4 56	13 35	2 18	12 52	0 18	20 14	0 52	4 25	1 37	11 55	2 7	11 13	0 48	2 52	1 45	25 35	8 25	21 12	21 19	19 56	7 12	1 16
W25	4 41	6 3	5 1	14 10	2 27	12 35	0 13	20 24	0 53	4 28	1 37	11 57	2 7	11 14	0 48	2 52	1 45	25 35	8 26	21 14	21 19	19 55	7 13	1 16
T 26	5 4	10 46	4 49	14 42	2 34	12 18	0 8	20 33	0 53	4 30	1 37	12 0	2 7	11 14	0 48	2 51	1 45	25 35	8 26	21 16	21 20	19 54	7 15	1 16
F 27	5 27	14 50	4 21	15 11	2 41	12 0	0 3	20 43	0 54	4 33	1 37	12 2	2 7	11 15	0 48	2 50	1 45	25 35	8 26	21 18	21 20	19 53	7 16	1 16
S 28	5 50	18 4	3 40	15 37	2 47	11 42	0s 1	20 52	0 54	4 35	1 37	12 5	2 7	11 16	0 48	2 50	1 45	25 35	8 26	21 19	21 21	19 53	7 17	1 16
S 29	6 13	20 21	2 50	16 0	2 52	11 23	0 6	21 1	0 54	4 38	1 37	12 7	2 6	11 16	0 48	2 49	1 45	25 35	8 27	21 20	21 22	19 52	7 19	1 16
M30	6 36	21 38	1 53	16 20	2 55	11 5	0 11	21 10	0 55	4 40	1 36	12 10	2 6	11 17	0 48	2 49	1 45	25 35	8 27	21 20	21 22	19 51	7 20	1 16
T 31	6n58	21s53	0n52	16n36	2n58	10s45	0s15	21n18	0n55	4n43	1n36	12n12	2s 6	11n17	0n48	2s48	1n45	25s35	8s27	21n20	21n23	19s50	7n22	1n15

Julian Day Number = 2193385.5, Delta T = 10m35s
Ecliptic obliquity = 23°31'48, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°52'57, Lahiri = 13°59'57 Julian Calendar 1 March 1293 == Greg. Calendar 8 March 1293

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

APRIL 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 7 13	18♈39'53	26♉19	7♉19	3♓54	1♊30	21°R45	8♉ 2	2°R42	11°R 4	11♒14	24°R17	24♋ 1	6♒22	15♈45	W 1
T 2	13 11 10	19°38'26	8♒ 7	7°49	5° 0	2° 9	21♍39	8° 9	2♍40	11♎ 3	11°15	24♋17	23°58	6°29	15°49	T 2
F 3	13 15 6	20°36'56	19°57	8°13	6° 6	2°49	21°33	8°17	2°39	11° 1	11°16	24°15	23°55	6°35	15°53	F 3
S 4	13 19 3	21°35'25	1♓54	8°31	7°12	3°28	21°27	8°24	2°37	10°59	11°17	24°11	23°52	6°42	15°56	S 4
S 5	13 22 59	22°33'53	14° 3	8°44	8°19	4° 7	21°21	8°32	2°36	10°58	11°18	24° 4	23°48	6°49	16° 0	S 5
M 6	13 26 56	23°32'18	26°26	8°50	9°26	4°46	21°16	8°39	2°35	10°56	11°18	23°54	23°45	6°55	16° 4	M 6
T 7	13 30 52	24°30'42	9♈ 6	8°R51	10°32	5°25	21°10	8°47	2°33	10°55	11°19	23°42	23°42	7° 2	16° 7	T 7
W 8	13 34 49	25°29'04	22° 2	8°46	11°39	6° 4	21° 5	8°55	2°32	10°53	11°20	23°29	23°39	7° 9	16°11	W 8
T 9	13 38 45	26°27'24	5♉14	8°36	12°46	6°43	20°59	9° 2	2°31	10°51	11°20	23°16	23°36	7°15	16°15	T 9
F 10	13 42 42	27°25'42	18°40	8°21	13°53	7°22	20°54	9°10	2°30	10°50	11°21	23° 5	23°33	7°22	16°18	F 10
S 11	13 46 39	28°23'59	2♊18	8° 2	15° 0	8° 1	20°49	9°18	2°28	10°48	11°22	22°55	23°29	7°28	16°22	S 11
S 12	13 50 35	29°22'13	16° 5	7°38	16° 8	8°40	20°45	9°26	2°27	10°47	11°22	22°49	23°26	7°35	16°26	S 12
M13	13 54 32	0♉20'26	29°59	7°10	17°15	9°19	20°40	9°33	2°26	10°45	11°23	22°45	23°23	7°42	16°29	M13
T 14	13 58 28	1°18'36	13♋58	6°39	18°23	9°58	20°35	9°41	2°25	10°44	11°23	22°44	23°20	7°48	16°33	T 14
W15	14 2 25	2°16'45	28° 2	6° 6	19°31	10°37	20°31	9°49	2°24	10°42	11°24	22°44	23°17	7°55	16°36	W15
T 16	14 6 21	3°14'51	12♌ 9	5°30	20°38	11°16	20°27	9°56	2°24	10°41	11°25	22°43	23°13	8° 2	16°40	T 16
F 17	14 10 18	4°12'55	26°19	4°53	21°46	11°55	20°23	10° 4	2°23	10°39	11°25	22°42	23°10	8° 8	16°44	F 17
S 18	14 14 14	5°10'58	10♍30	4°16	22°54	12°34	20°19	10°12	2°22	10°38	11°25	22°38	23° 7	8°15	16°47	S 18
S 19	14 18 11	6° 8'58	24°39	3°38	24° 3	13°13	20°15	10°20	2°21	10°36	11°26	22°32	23° 4	8°22	16°51	S 19
M20	14 22 8	7° 6'56	8♎44	3° 2	25°11	13°51	20°12	10°28	2°21	10°35	11°26	22°23	23° 1	8°28	16°54	M20
T 21	14 26 4	8° 4'53	22°40	2°26	26°19	14°30	20° 9	10°35	2°20	10°33	11°27	22°12	22°58	8°35	16°58	T 21
W22	14 30 1	9° 2'48	6♏22	1°52	27°27	15° 9	20° 6	10°43	2°19	10°32	11°27	22° 1	22°54	8°42	17° 1	W22
T 23	14 33 57	10° 0'41	19°48	1°21	28°36	15°48	20° 3	10°51	2°19	10°31	11°27	21°50	22°51	8°48	17° 5	T 23
F 24	14 37 54	10°58'33	2♐54	0°53	29°45	16°27	20° 0	10°59	2°18	10°29	11°28	21°40	22°48	8°55	17° 8	F 24
S 25	14 41 50	11°56'24	15°41	0°28	0♈53	17° 5	19°57	11° 6	2°18	10°28	11°28	21°33	22°45	9° 2	17°12	S 25
S 26	14 45 47	12°54'13	28° 9	0° 6	2° 2	17°44	19°55	11°14	2°18	10°27	11°28	21°28	22°42	9° 8	17°15	S 26
M27	14 49 43	13°52'01	10♑21	29♈49	3°11	18°23	19°52	11°22	2°17	10°25	11°28	21°25	22°38	9°15	17°19	M27
T 28	14 53 40	14°49'48	22°20	29°36	4°20	19° 1	19°50	11°30	2°17	10°24	11°29	21°D25	22°35	9°22	17°22	T 28
W29	14 57 37	15°47'34	4♒11	29°27	5°29	19°40	19°48	11°38	2°17	10°23	11°29	21°25	22°32	9°28	17°25	W29
T 30	15 1 33	16♉45'18	16♒ 0	29°D23	6♈38	20♊19	19♍47	11♉45	2♍17	10♎21	11♒29	21°R26	22♋29	9♒35	17♈29	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n20	21s 9	0s11	16n50	3n 0	10s25	0s20	21n27	0n55	4n45	1n36	12n15	2s 6	11n18	0n48	2s47	1n45	25s35	8s27	21n20	21n23	19s49	7n23	1n15
T 2	7 43	19 29	1 13	17 0	3 0	10 5	0 24	21 35	0 56	4 48	1 36	12 17	2 6	11 18	0 48	2 47	1 45	25 35	8 28	21 20	21 24	19 48	7 24	1 15
F 3	8 5	16 58	2 12	17 8	2 59	9 45	0 29	21 43	0 56	4 50	1 36	12 20	2 6	11 19	0 48	2 46	1 45	25 35	8 28	21 21	21 24	19 48	7 26	1 15
S 4	8 27	13 43	3 5	17 12	2 57	9 24	0 33	21 51	0 56	4 52	1 36	12 22	2 6	11 19	0 48	2 45	1 45	25 35	8 28	21 22	21 25	19 47	7 27	1 15
S 5	8 49	9 51	3 51	17 12	2 54	9 3	0 37	21 59	0 57	4 54	1 36	12 25	2 6	11 20	0 48	2 45	1 45	25 35	8 28	21 23	21 25	19 46	7 28	1 15
M 6	9 10	5 30	4 27	17 10	2 49	8 42	0 41	22 6	0 57	4 56	1 35	12 28	2 6	11 20	0 48	2 44	1 45	25 35	8 29	21 24	21 26	19 45	7 30	1 15
T 7	9 32	0 50	4 51	17 5	2 43	8 20	0 45	22 14	0 57	4 58	1 35	12 30	2 6	11 21	0 48	2 43	1 45	25 35	8 29	21 27	21 27	19 44	7 31	1 15
W 8	9 53	3n58	5 0	16 56	2 36	7 58	0 49	22 21	0 58	5 0	1 35	12 33	2 5	11 21	0 48	2 43	1 45	25 35	8 29	21 29	21 27	19 43	7 32	1 15
T 9	10 15	8 42	4 54	16 45	2 27	7 36	0 52	22 28	0 58	5 2	1 35	12 35	2 5	11 22	0 48	2 42	1 45	25 35	8 30	21 31	21 28	19 42	7 34	1 15
F 10	10 36	13 6	4 31	16 31	2 18	7 13	0 56	22 35	0 58	5 4	1 35	12 38	2 5	11 22	0 48	2 42	1 45	25 35	8 30	21 33	21 28	19 41	7 35	1 15
S 11	10 57	16 53	3 53	16 14	2 6	6 51	1 0	22 42	0 59	5 6	1 35	12 40	2 5	11 22	0 48	2 41	1 45	25 35	8 30	21 34	21 29	19 41	7 37	1 15
S 12	11 17	19 48	3 1	15 54	1 54	6 28	1 3	22 48	0 59	5 8	1 34	12 43	2 5	11 23	0 48	2 40	1 45	25 35	8 30	21 36	21 29	19 40	7 38	1 15
M13	11 38	21 35	1 57	15 33	1 41	6 4	1 6	22 54	0 59	5 9	1 34	12 45	2 5	11 23	0 48	2 40	1 45	25 35	8 31	21 36	21 30	19 39	7 39	1 15
T 14	11 58	22 2	0 46	15 9	1 26	5 41	1 10	23 1	1 0	5 11	1 34	12 48	2 5	11 23	0 47	2 39	1 45	25 36	8 31	21 36	21 30	19 38	7 41	1 15
W15	12 19	21 6	0n28	14 43	1 11	5 17	1 13	23 7	1 0	5 12	1 34	12 50	2 5	11 24	0 47	2 39	1 45	25 36	8 31	21 36	21 31	19 37	7 42	1 15
T 16	12 39	18 50	1 41	14 16	0 55	4 53	1 16	23 12	1 0	5 14	1 34	12 53	2 5	11 24	0 47	2 38	1 45	25 36	8 32	21 36	21 31	19 36	7 43	1 15
F 17	12 58	15 25	2 48	13 48	0 39	4 29	1 19	23 18	1 0	5 15	1 33	12 55	2 5	11 24	0 47	2 38	1 45	25 36	8 32	21 37	21 32	19 35	7 45	1 14
S 18	13 18	11 7	3 44	13 20	0 22	4 4	1 21	23 23	1 1	5 17	1 33	12 58	2 5	11 24	0 47	2 37	1 45	25 36	8 32	21 37	21 32	19 34	7 46	1 14
S 19	13 37	6 13	4 27	12 51	0 4	3 40	1 24	23 29	1 1	5 18	1 33	13 0	2 5	11 25	0 47	2 36	1 45	25 36	8 32	21 38	21 33	19 33	7 47	1 14
M20	13 56	1 1	4 53	12 22	0s13	3 15	1 27	23 34	1 1	5 19	1 33	13 3	2 5	11 25	0 47	2 36	1 45	25 36	8 33	21 40	21 34	19 32	7 49	1 14
T 21	14 15	4s11	5 2	11 53	0 30	2 50	1 29	23 39	1 1	5 20	1 33	13 5	2 5	11 25	0 47	2 35	1 45	25 37	8 33	21 42	21 34	19 31	7 50	1 14
W22	14 34	9 5	4 52	11 26	0 47	2 25	1 32	23 43	1 2	5 21	1 32	13 7	2 5	11 25	0 47	2 35	1 45	25 37	8 33	21 43	21 35	19 31	7 51	1 14
T 23	14 52	13 28	4 27	10 59	1 4	2 0	1 34	23 48	1 2	5 22	1 32	13 10	2 4	11 25	0 47	2 34	1 45	25 37	8 34	21 45	21 35	19 30	7 53	1 14
F 24	15 11	17 6	3 48	10 34	1 20	1 34	1 36	23 52	1 2	5 23	1 32	13 12	2 4	11 25	0 47	2 34	1 45	25 37	8 34	21 47	21 36	19 29	7 54	1 14
S 25	15 29	19 48	2 58	10 11	1 35	1 9	1 38	23 56	1 2	5 24	1 32	13 15	2 4	11 26	0 47	2 33	1 45	25 37	8 34	21 48	21 36	19 28	7 55	1 14
S 26	15 46	21 30	2 1	9 50	1 50	0 43	1 40	24 0	1 3	5 25	1 32	13 17	2 4	11 26	0 47	2 33	1 45	25 38	8 34	21 49	21 37	19 27	7 56	1 14
M27	16 4	22 9	0 59	9 31	2 4	0 17	1 42	24 4	1 3	5 25	1 31	13 20	2 4	11 26	0 47	2 32	1 45	25 38	8 35	21 49	21 37	19 26	7 58	1 14
T 28	16 21	21 45	0s 5	9 14	2 17	0n 8	1 44	24 7	1 3	5 26	1 31	13 22	2 4	11 26	0 47	2 32	1 45	25 38	8 35	21 49	21 38	19 25	7 59	1 14
W29	16 38	20 23	1 8	9 0	2 29	0 34	1 46	24 11	1 3	5 27	1 31	13 24	2 4	11 26	0 47	2 31	1 45	25 38	8 35	21 49	21 38	19 24	8 0	1 14
T 30	16n54	18s 8	2s 7	8n48	2s40	1n 0	1s47	24n14	1n 4	5n27	1n31	13n27	2s 4	11n26	0n47	2s31	1n45	25s38	8s36	21n49	21n39	19s23	8n 1	1n14

Julian Day Number = 2193416.5, Delta T = 10m35s
Ecliptic obliquity = 23°31'48, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'01, Lahiri = 14°00'01 Julian Calendar 1 Apr. 1293 == Greg. Calendar 8 Apr. 1293

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

MAY 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 5 30	17♉43'01	27♒52	29♈23	7♈47	20♊57	19°R45	11♉53	2°R17	10°R20	11♒29	21°R25	22♋26	9♒41	17♈32	F 1
S 2	15 9 26	18°40'43	9♓51	29°27	8°57	21°36	19♍44	12° 1	2°D17	10♎19	11°29	21♋23	22°23	9°48	17°35	S 2
S 3	15 13 23	19°38'24	22° 4	29°37	10° 6	22°15	19°42	12° 9	2♍17	10°18	11°29	21°18	22°19	9°55	17°39	S 3
M 4	15 17 19	20°36'04	4♈33	29°51	11°15	22°53	19°41	12°16	2°17	10°17	11°29	21°12	22°16	10° 1	17°42	M 4
T 5	15 21 16	21°33'42	17°22	0♉ 9	12°25	23°32	19°41	12°24	2°17	10°15	11°R29	21° 3	22°13	10° 8	17°45	T 5
W 6	15 25 12	22°31'20	0♉31	0°32	13°35	24°10	19°40	12°32	2°17	10°14	11°29	20°53	22°10	10°15	17°48	W 6
T 7	15 29 9	23°28'57	14° 1	0°58	14°44	24°49	19°39	12°40	2°17	10°13	11°29	20°44	22° 7	10°21	17°51	T 7
F 8	15 33 6	24°26'32	27°49	1°30	15°54	25°27	19°39	12°47	2°17	10°12	11°29	20°35	22° 4	10°28	17°55	F 8
S 9	15 37 2	25°24'06	11♊51	2° 5	17° 4	26° 6	19°D39	12°55	2°18	10°11	11°29	20°28	22° 0	10°35	17°58	S 9
S 10	15 40 59	26°21'39	26° 3	2°44	18°13	26°44	19°39	13° 3	2°18	10°10	11°29	20°23	21°57	10°41	18° 1	S 10
M11	15 44 55	27°19'11	10♋21	3°27	19°23	27°23	19°39	13°10	2°19	10° 9	11°29	20°21	21°54	10°48	18° 4	M11
T 12	15 48 52	28°16'42	24°40	4°14	20°33	28° 1	19°40	13°18	2°19	10° 8	11°28	20°D21	21°51	10°55	18° 7	T 12
W13	15 52 48	29°14'11	8♌57	5° 4	21°43	28°40	19°40	13°26	2°20	10° 7	11°28	20°22	21°48	11° 1	18°10	W13
T 14	15 56 45	0♊11'39	23° 9	5°58	22°53	29°18	19°41	13°33	2°20	10° 6	11°28	20°22	21°44	11° 8	18°13	T 14
F 15	16 0 41	1° 9'05	7♍15	6°55	24° 3	29°57	19°42	13°41	2°21	10° 5	11°28	20°R22	21°41	11°15	18°16	F 15
S 16	16 4 38	2° 6'30	21°15	7°56	25°14	0♋35	19°43	13°48	2°22	10° 4	11°27	20°21	21°38	11°21	18°19	S 16
S 17	16 8 35	3° 3'54	5♎ 6	9° 0	26°24	1°14	19°45	13°56	2°22	10° 4	11°27	20°17	21°35	11°28	18°21	S 17
M18	16 12 31	4° 1'16	18°47	10° 7	27°34	1°52	19°46	14° 3	2°23	10° 3	11°27	20°12	21°32	11°35	18°24	M18
T 19	16 16 28	4°58'38	2♏17	11°18	28°44	2°30	19°48	14°11	2°24	10° 2	11°27	20° 5	21°29	11°41	18°27	T 19
W20	16 20 24	5°55'58	15°34	12°31	29°55	3° 9	19°50	14°18	2°25	10° 1	11°26	19°58	21°25	11°48	18°30	W20
T 21	16 24 21	6°53'18	28°37	13°48	1♉ 5	3°47	19°52	14°26	2°26	10° 0	11°26	19°51	21°22	11°55	18°33	T 21
F 22	16 28 17	7°50'37	11♐25	15° 7	2°16	4°25	19°54	14°33	2°27	10° 0	11°25	19°44	21°19	12° 1	18°35	F 22
S 23	16 32 14	8°47'55	23°58	16°30	3°26	5° 4	19°56	14°40	2°28	9°59	11°25	19°40	21°16	12° 8	18°38	S 23
S 24	16 36 10	9°45'12	6♑16	17°55	4°37	5°42	19°59	14°48	2°29	9°58	11°24	19°37	21°13	12°15	18°41	S 24
M25	16 40 7	10°42'29	18°23	19°24	5°47	6°20	20° 2	14°55	2°30	9°58	11°24	19°D36	21°10	12°21	18°43	M25
T 26	16 44 4	11°39'45	0♒19	20°55	6°58	6°59	20° 5	15° 2	2°31	9°57	11°23	19°37	21° 6	12°28	18°46	T 26
W27	16 48 0	12°37'01	12°10	22°29	8° 9	7°37	20° 8	15°10	2°33	9°57	11°23	19°38	21° 3	12°34	18°48	W27
T 28	16 51 57	13°34'16	23°59	24° 6	9°20	8°15	20°11	15°17	2°34	9°56	11°22	19°40	21° 0	12°41	18°51	T 28
F 29	16 55 53	14°31'31	5♓51	25°46	10°30	8°53	20°14	15°24	2°35	9°56	11°22	19°41	20°57	12°48	18°53	F 29
S 30	16 59 50	15°28'46	17°51	27°29	11°41	9°32	20°18	15°31	2°37	9°55	11°21	19°R41	20°54	12°54	18°56	S 30
S 31	17 3 46	16♊26'00	0♈ 3	29♉15	12♉52	10♋10	20♍21	15♉38	2♍38	9♎55	11♒20	19♋40	20♋50	13♒ 1	18♈58	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17n11	15s 6	3s 2	8n39	2s50	1n26	1s49	24n17	1n 4	5n27	1n30	13n29	2s 4	11n26	0n47	2s30	1n45	25s39	8s36	21n49	21n39	19s22	8n 3	1n14
S 2	17 27	11 26	3 49	8 32	2 59	1 52	1 50	24 20	1 4	5 28	1 30	13 32	2 4	11 26	0 47	2 30	1 44	25 39	8 36	21 49	21 40	19 21	8 4	1 14
S 3	17 43	7 14	4 26	8 28	3 7	2 18	1 51	24 22	1 4	5 28	1 30	13 34	2 4	11 26	0 47	2 30	1 44	25 39	8 36	21 50	21 40	19 20	8 5	1 14
M 4	17 58	2 39	4 52	8 26	3 14	2 45	1 53	24 25	1 4	5 28	1 30	13 36	2 4	11 26	0 47	2 29	1 44	25 40	8 37	21 51	21 41	19 19	8 6	1 14
T 5	18 13	2n 9	5 4	8 27	3 20	3 11	1 54	24 27	1 5	5 28	1 29	13 39	2 4	11 26	0 47	2 29	1 44	25 40	8 37	21 53	21 41	19 18	8 8	1 14
W 6	18 28	7 0	5 1	8 30	3 25	3 37	1 55	24 29	1 5	5 28	1 29	13 41	2 4	11 26	0 47	2 28	1 44	25 40	8 37	21 54	21 42	19 17	8 9	1 14
T 7	18 43	11 39	4 40	8 36	3 29	4 3	1 56	24 31	1 5	5 28	1 29	13 43	2 4	11 25	0 47	2 28	1 44	25 40	8 38	21 55	21 42	19 16	8 10	1 14
F 8	18 57	15 48	4 3	8 44	3 32	4 29	1 57	24 32	1 5	5 28	1 29	13 46	2 4	11 25	0 47	2 27	1 44	25 41	8 38	21 57	21 43	19 15	8 11	1 14
S 9	19 11	19 8	3 11	8 54	3 34	4 55	1 57	24 34	1 5	5 28	1 28	13 48	2 4	11 25	0 46	2 27	1 44	25 41	8 38	21 58	21 43	19 14	8 12	1 14
S 10	19 25	21 22	2 7	9 6	3 35	5 21	1 58	24 35	1 6	5 28	1 28	13 50	2 4	11 25	0 46	2 27	1 44	25 41	8 39	21 59	21 44	19 13	8 13	1 14
M11	19 38	22 14	0 54	9 20	3 35	5 47	1 58	24 36	1 6	5 27	1 28	13 53	2 4	11 25	0 46	2 26	1 44	25 42	8 39	21 59	21 44	19 12	8 15	1 14
T 12	19 51	21 39	0n23	9 36	3 35	6 13	1 59	24 37	1 6	5 27	1 28	13 55	2 4	11 25	0 46	2 26	1 44	25 42	8 39	21 59	21 45	19 11	8 16	1 14
W13	20 4	19 40	1 39	9 54	3 34	6 39	1 59	24 37	1 6	5 27	1 27	13 57	2 4	11 24	0 46	2 26	1 44	25 42	8 39	21 59	21 46	19 10	8 17	1 14
T 14	20 16	16 29	2 47	10 14	3 32	7 5	1 59	24 38	1 6	5 26	1 27	13 59	2 4	11 24	0 46	2 25	1 44	25 43	8 40	21 59	21 46	19 9	8 18	1 14
F 15	20 28	12 22	3 45	10 35	3 29	7 31	2 0	24 38	1 6	5 25	1 27	14 2	2 4	11 24	0 46	2 25	1 44	25 43	8 40	21 59	21 47	19 8	8 19	1 13
S 16	20 40	7 37	4 30	10 58	3 25	7 56	2 0	24 38	1 6	5 25	1 27	14 4	2 4	11 24	0 46	2 25	1 44	25 43	8 40	21 59	21 47	19 7	8 20	1 13
S 17	20 51	2 31	4 58	11 22	3 21	8 22	2 0	24 38	1 7	5 24	1 26	14 6	2 4	11 23	0 46	2 24	1 44	25 44	8 41	21 59	21 48	19 6	8 21	1 13
M18	21 2	2s38	5 8	11 48	3 16	8 47	2 0	24 38	1 7	5 23	1 26	14 8	2 4	11 23	0 46	2 24	1 44	25 44	8 41	22 0	21 48	19 4	8 22	1 13
T 19	21 12	7 36	5 1	12 15	3 11	9 13	1 59	24 37	1 7	5 22	1 26	14 10	2 4	11 23	0 46	2 24	1 44	25 44	8 41	22 1	21 49	19 3	8 23	1 13
W20	21 23	12 7	4 38	12 43	3 4	9 38	1 59	24 37	1 7	5 21	1 26	14 13	2 4	11 22	0 46	2 24	1 44	25 45	8 41	22 2	21 49	19 2	8 24	1 13
T 21	21 33	16 0	4 1	13 13	2 58	10 3	1 59	24 36	1 7	5 20	1 25	14 15	2 4	11 22	0 46	2 23	1 44	25 45	8 42	22 3	21 50	19 1	8 25	1 13
F 22	21 42	19 4	3 12	13 43	2 50	10 27	1 58	24 35	1 7	5 19	1 25	14 17	2 4	11 21	0 46	2 23	1 44	25 46	8 42	22 4	21 50	19 0	8 26	1 13
S 23	21 51	21 9	2 15	14 14	2 43	10 52	1 58	24 33	1 7	5 18	1 25	14 19	2 5	11 21	0 46	2 23	1 44	25 46	8 42	22 5	21 51	18 59	8 27	1 13
S 24	22 0	22 11	1 12	14 46	2 34	11 16	1 57	24 32	1 8	5 17	1 25	14 21	2 5	11 20	0 46	2 23	1 44	25 46	8 42	22 5	21 51	18 58	8 28	1 13
M25	22 8	22 9	0 7	15 19	2 26	11 40	1 56	24 30	1 8	5 15	1 24	14 23	2 5	11 20	0 46	2 22	1 44	25 47	8 43	22 6	21 52	18 57	8 29	1 13
T 26	22 16	21 6	0s58	15 52	2 16	12 4	1 56	24 28	1 8	5 14	1 24	14 25	2 5	11 20	0 46	2 22	1 44	25 47	8 43	22 5	21 52	18 56	8 30	1 13
W27	22 24	19 8	2 0	16 25	2 7	12 28	1 55	24 26	1 8	5 13	1 24	14 27	2 5	11 19	0 46	2 22	1 43	25 48	8 43	22 5	21 52	18 55	8 31	1 13
T 28	22 31	16 21	2 57	16 59	1 57	12 51	1 54	24 24	1 8	5 11	1 24	14 29	2 5	11 19	0 46	2 22	1 43	25 48	8 44	22 5	21 53	18 54	8 32	1 13
F 29	22 38	12 54	3 46	17 33	1 46	13 15	1 53	24 22	1 8	5 10	1 23	14 31	2 5	11 18	0 46	2 22	1 43	25 48	8 44	22 5	21 53	18 52	8 33	1 13
S 30	22 44	8 54	4 26	18 7	1 36	13 38	1 52	24 19	1 8	5 8	1 23	14 33	2 5	11 17	0 46	2 22	1 43	25 49	8 44	22 5	21 54	18 51	8 34	1 13
S 31	22n50	4s29	4s55	18n41	1s25	14n 0	1s51	24n16	1n 8	5n 6	1n23	14n35	2s 5	11n17	0n46	2s22	1n43	25s49	8s44	22n 5	21n54	18s50	8n35	1n13

Julian Day Number = 2193446.5, Delta T = 10m34s
Ecliptic obliquity = 23°31'48, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'05, Lahiri = 14°00'05 Julian Calendar 1 May 1293 == Greg. Calendar 8 May 1293

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

JUNE 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 7 43	17♊23'15	12♈33	1♊ 3	14♉ 3	10♋48	20♍25	15♉45	2♍40	9°R54	11°R20	19°R38	20♋47	13♒ 8	19♈ 0	M 1
T 2	17 11 39	18°20'28	25°25	2°54	15°14	11°26	20°29	15°52	2°41	9♎54	11♒19	19♋35	20°44	13°14	19° 2	T 2
W 3	17 15 36	19°17'42	8♉40	4°47	16°25	12° 5	20°34	15°59	2°43	9°54	11°18	19°30	20°41	13°21	19° 5	W 3
T 4	17 19 33	20°14'56	22°19	6°43	17°37	12°43	20°38	16° 6	2°45	9°53	11°18	19°26	20°38	13°28	19° 7	T 4
F 5	17 23 29	21°12'09	6♊20	8°42	18°48	13°21	20°42	16°13	2°46	9°53	11°17	19°22	20°35	13°34	19° 9	F 5
S 6	17 27 26	22° 9'23	20°41	10°42	19°59	13°59	20°47	16°20	2°48	9°53	11°16	19°19	20°31	13°41	19°11	S 6
S 7	17 31 22	23° 6'36	5♋16	12°45	21°10	14°37	20°52	16°27	2°50	9°52	11°15	19°17	20°28	13°48	19°13	S 7
M 8	17 35 19	24° 3'48	19°59	14°50	22°22	15°16	20°57	16°34	2°52	9°52	11°15	19°D16	20°25	13°54	19°15	M 8
T 9	17 39 15	25° 1'01	4♌42	16°56	23°33	15°54	21° 2	16°40	2°54	9°52	11°14	19°17	20°22	14° 1	19°17	T 9
W10	17 43 12	25°58'12	19°19	19° 4	24°44	16°32	21° 7	16°47	2°56	9°52	11°13	19°18	20°19	14° 8	19°19	W10
T 11	17 47 9	26°55'24	3♍47	21°12	25°56	17°10	21°13	16°54	2°58	9°52	11°12	19°19	20°16	14°14	19°21	T 11
F 12	17 51 5	27°52'35	18° 1	23°22	27° 7	17°48	21°18	17° 0	3° 0	9°52	11°11	19°20	20°12	14°21	19°23	F 12
S 13	17 55 2	28°49'45	1♎59	25°32	28°19	18°26	21°24	17° 7	3° 2	9°52	11°10	19°R21	20° 9	14°28	19°24	S 13
S 14	17 58 58	29°46'55	15°41	27°43	29°30	19° 5	21°30	17°13	3° 4	9°D52	11° 9	19°20	20° 6	14°34	19°26	S 14
M15	18 2 55	0♋44'05	29° 7	29°54	0♊42	19°43	21°36	17°19	3° 6	9°52	11° 8	19°18	20° 3	14°41	19°28	M15
T 16	18 6 51	1°41'14	12♏18	2♋ 4	1°53	20°21	21°42	17°26	3° 8	9°52	11° 7	19°16	20° 0	14°48	19°29	T 16
W17	18 10 48	2°38'24	25°13	4°14	3° 5	20°59	21°48	17°32	3°10	9°52	11° 7	19°14	19°56	14°54	19°31	W17
T 18	18 14 44	3°35'33	7♐55	6°23	4°17	21°37	21°55	17°38	3°13	9°52	11° 6	19°12	19°53	15° 1	19°33	T 18
F 19	18 18 41	4°32'42	20°24	8°31	5°28	22°15	22° 1	17°45	3°15	9°52	11° 5	19°10	19°50	15° 8	19°34	F 19
S 20	18 22 38	5°29'52	2♑41	10°38	6°40	22°53	22° 8	17°51	3°17	9°52	11° 3	19° 9	19°47	15°14	19°36	S 20
S 21	18 26 34	6°27'01	14°48	12°43	7°52	23°31	22°15	17°57	3°20	9°53	11° 2	19°D 8	19°44	15°21	19°37	S 21
M22	18 30 31	7°24'11	26°46	14°48	9° 4	24° 9	22°22	18° 3	3°22	9°53	11° 1	19° 8	19°41	15°28	19°38	M22
T 23	18 34 27	8°21'21	8♒39	16°50	10°16	24°48	22°29	18° 9	3°25	9°53	11° 0	19° 9	19°37	15°34	19°40	T 23
W24	18 38 24	9°18'31	20°28	18°52	11°28	25°26	22°36	18°15	3°27	9°54	10°59	19°10	19°34	15°41	19°41	W24
T 25	18 42 20	10°15'42	2♓17	20°51	12°40	26° 4	22°44	18°20	3°30	9°54	10°58	19°10	19°31	15°48	19°42	T 25
F 26	18 46 17	11°12'53	14° 9	22°49	13°52	26°42	22°51	18°26	3°33	9°54	10°57	19°11	19°28	15°54	19°43	F 26
S 27	18 50 13	12°10'05	26° 9	24°45	15° 4	27°20	22°59	18°32	3°35	9°55	10°56	19°12	19°25	16° 1	19°44	S 27
S 28	18 54 10	13° 7'18	8♈21	26°39	16°16	27°58	23° 6	18°37	3°38	9°55	10°55	19°R12	19°22	16° 8	19°45	S 28
M29	18 58 7	14° 4'31	20°49	28°31	17°28	28°36	23°14	18°43	3°41	9°56	10°54	19°12	19°18	16°14	19°46	M29
T 30	19 2 3	15♋ 1'45	3♉38	0♌22	18♊41	29♋14	23♍22	18♉48	3♍43	9♎56	10♒52	19♋12	19♋15	16♒21	19♈47	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n56	0n13	5s10	19n15	1s13	14n23	1s49	24n14	1n 8	5n 5	1n23	14n37	2s 5	11n16	0n46	2s21	1n43	25s50	8s45	22n 5	21n55	18s49	8n36	1n13
T 2	23 1	5 2	5 11	19 48	1 2	14 45	1 48	24 10	1 9	5 3	1 23	14 39	2 5	11 16	0 46	2 21	1 43	25 50	8 45	22 6	21 55	18 48	8 37	1 13
W 3	23 6	9 46	4 56	20 21	0 51	15 6	1 47	24 7	1 9	5 1	1 22	14 41	2 5	11 15	0 45	2 21	1 43	25 51	8 45	22 6	21 56	18 47	8 37	1 13
T 4	23 10	14 10	4 23	20 52	0 39	15 28	1 45	24 4	1 9	4 59	1 22	14 43	2 5	11 14	0 45	2 21	1 43	25 51	8 45	22 7	21 56	18 46	8 38	1 13
F 5	23 14	17 56	3 34	21 23	0 28	15 49	1 44	24 0	1 9	4 57	1 22	14 45	2 5	11 14	0 45	2 21	1 43	25 51	8 46	22 8	21 57	18 44	8 39	1 13
S 6	23 18	20 42	2 31	21 52	0 16	16 10	1 42	23 56	1 9	4 55	1 22	14 47	2 5	11 13	0 45	2 21	1 43	25 52	8 46	22 8	21 57	18 43	8 40	1 13
S 7	23 21	22 9	1 16	22 20	0 5	16 30	1 41	23 52	1 9	4 53	1 21	14 49	2 6	11 12	0 45	2 21	1 43	25 52	8 46	22 8	21 58	18 42	8 41	1 13
M 8	23 24	22 6	0n 4	22 46	0n 6	16 50	1 39	23 48	1 9	4 51	1 21	14 51	2 6	11 12	0 45	2 21	1 43	25 53	8 46	22 8	21 58	18 41	8 41	1 13
T 9	23 26	20 31	1 24	23 10	0 17	17 10	1 37	23 43	1 9	4 48	1 21	14 52	2 6	11 11	0 45	2 21	1 43	25 53	8 47	22 8	21 59	18 40	8 42	1 13
W10	23 28	17 35	2 38	23 32	0 27	17 29	1 35	23 39	1 9	4 46	1 21	14 54	2 6	11 10	0 45	2 21	1 43	25 54	8 47	22 8	21 59	18 39	8 43	1 13
T 11	23 30	13 35	3 41	23 51	0 37	17 48	1 34	23 34	1 9	4 44	1 20	14 56	2 6	11 10	0 45	2 21	1 43	25 54	8 47	22 8	22 0	18 37	8 44	1 13
F 12	23 31	8 53	4 30	24 9	0 47	18 6	1 32	23 29	1 9	4 41	1 20	14 58	2 6	11 9	0 45	2 21	1 43	25 55	8 47	22 8	22 0	18 36	8 44	1 13
S 13	23 31	3 49	5 1	24 23	0 56	18 24	1 30	23 24	1 9	4 39	1 20	15 0	2 6	11 8	0 45	2 21	1 43	25 55	8 47	22 8	22 1	18 35	8 45	1 13
S 14	23 32	1s21	5 15	24 35	1 4	18 41	1 28	23 19	1 9	4 36	1 20	15 1	2 6	11 7	0 45	2 21	1 43	25 56	8 48	22 8	22 1	18 34	8 46	1 13
M15	23 32	6 21	5 11	24 44	1 12	18 59	1 26	23 13	1 9	4 34	1 20	15 3	2 6	11 6	0 45	2 21	1 43	25 56	8 48	22 8	22 2	18 33	8 46	1 13
T 16	23 31	10 58	4 51	24 50	1 19	19 15	1 24	23 8	1 10	4 31	1 19	15 5	2 6	11 5	0 45	2 21	1 42	25 57	8 48	22 8	22 2	18 31	8 47	1 13
W17	23 30	15 0	4 16	24 54	1 26	19 31	1 22	23 2	1 10	4 28	1 19	15 6	2 6	11 5	0 45	2 21	1 42	25 57	8 48	22 9	22 3	18 30	8 47	1 13
T 18	23 29	18 17	3 29	24 54	1 32	19 47	1 19	22 56	1 10	4 26	1 19	15 8	2 7	11 4	0 45	2 21	1 42	25 58	8 49	22 9	22 3	18 29	8 48	1 13
F 19	23 27	20 39	2 32	24 52	1 37	20 2	1 17	22 50	1 10	4 23	1 19	15 10	2 7	11 3	0 45	2 21	1 42	25 58	8 49	22 9	22 3	18 28	8 49	1 13
S 20	23 25	22 0	1 30	24 47	1 41	20 17	1 15	22 44	1 10	4 20	1 18	15 11	2 7	11 2	0 45	2 22	1 42	25 59	8 49	22 9	22 4	18 27	8 49	1 13
S 21	23 22	22 18	0 24	24 39	1 44	20 31	1 13	22 37	1 10	4 17	1 18	15 13	2 7	11 1	0 45	2 22	1 42	25 59	8 49	22 10	22 4	18 25	8 50	1 13
M22	23 19	21 34	0s42	24 29	1 47	20 44	1 10	22 30	1 10	4 14	1 18	15 14	2 7	11 0	0 45	2 22	1 42	26 0	8 49	22 10	22 5	18 24	8 50	1 13
T 23	23 16	19 52	1 46	24 16	1 49	20 57	1 8	22 24	1 10	4 11	1 18	15 16	2 7	10 59	0 45	2 22	1 42	26 0	8 50	22 9	22 5	18 23	8 51	1 13
W24	23 12	17 20	2 45	24 1	1 51	21 10	1 5	22 17	1 10	4 8	1 18	15 17	2 7	10 58	0 45	2 22	1 42	26 1	8 50	22 9	22 6	18 22	8 51	1 13
T 25	23 8	14 5	3 37	23 44	1 51	21 22	1 3	22 10	1 10	4 5	1 17	15 19	2 7	10 57	0 45	2 22	1 42	26 1	8 50	22 9	22 6	18 20	8 52	1 13
F 26	23 3	10 15	4 20	23 25	1 51	21 33	1 0	22 2	1 10	4 2	1 17	15 20	2 8	10 56	0 45	2 23	1 42	26 2	8 50	22 9	22 7	18 19	8 52	1 13
S 27	22 58	6 0	4 52	23 4	1 50	21 44	0 58	21 55	1 10	3 59	1 17	15 22	2 8	10 55	0 45	2 23	1 42	26 2	8 50	22 9	22 7	18 18	8 52	1 13
S 28	22 53	1 27	5 12	22 41	1 49	21 54	0 55	21 47	1 10	3 55	1 17	15 23	2 8	10 54	0 45	2 23	1 42	26 3	8 50	22 9	22 8	18 17	8 53	1 13
M29	22 47	3n15	5 17	22 17	1 47	22 4	0 53	21 40	1 10	3 52	1 17	15 24	2 8	10 53	0 45	2 23	1 42	26 3	8 51	22 9	22 8	18 15	8 53	1 13
T 30	22n41	7n57	5s 8	21n51	1n45	22n13	0s50	21n32	1n10	3n49	1n16	15n26	2s 8	10n52	0n45	2s24	1n42	26s 4	8s51	22n 9	22n 9	18s14	8n53	1n13

Julian Day Number = 2193477.5, Delta T = 10m34s
Ecliptic obliquity = 23°31'48, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'09, Lahiri = 14°00'10 Julian Calendar 1 June 1293 == Greg. Calendar 8 June 1293

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

JULY 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 6 0	15♋59'00	16♉50	2♌10	19♊53	29♋52	23♍30	18♉54	3♍46	9♎57	10°R51	19°R12	19♋12	16♒28	19♈48	W 1
T 2	19 9 56	16°56'15	0♊28	3°57	21° 5	0♌30	23°39	18°59	3°49	9°57	10♒50	19♋11	19° 9	16°34	19°49	T 2
F 3	19 13 53	17°53'31	14°32	5°42	22°17	1° 8	23°47	19° 5	3°52	9°58	10°49	19°11	19° 6	16°41	19°49	F 3
S 4	19 17 49	18°50'49	29° 1	7°26	23°30	1°46	23°55	19°10	3°55	9°59	10°48	19°D11	19° 2	16°48	19°50	S 4
S 5	19 21 46	19°48'07	13♋48	9° 7	24°42	2°24	24° 4	19°15	3°58	9°59	10°46	19°R11	18°59	16°54	19°51	S 5
M 6	19 25 42	20°45'25	28°48	10°47	25°55	3° 3	24°12	19°20	4° 1	10° 0	10°45	19°11	18°56	17° 1	19°51	M 6
T 7	19 29 39	21°42'44	13♌52	12°25	27° 7	3°41	24°21	19°25	4° 4	10° 1	10°44	19°11	18°53	17° 8	19°52	T 7
W 8	19 33 36	22°40'04	28°51	14° 1	28°20	4°19	24°30	19°30	4° 7	10° 1	10°43	19°11	18°50	17°14	19°52	W 8
T 9	19 37 32	23°37'24	13♍38	15°35	29°33	4°57	24°39	19°35	4°10	10° 2	10°41	19°10	18°47	17°21	19°53	T 9
F 10	19 41 29	24°34'45	28° 6	17° 7	0♋45	5°35	24°48	19°39	4°13	10° 3	10°40	19°10	18°43	17°28	19°53	F 10
S 11	19 45 25	25°32'06	12♎13	18°38	1°58	6°13	24°57	19°44	4°16	10° 4	10°39	19° 9	18°40	17°34	19°54	S 11
S 12	19 49 22	26°29'28	25°56	20° 7	3°11	6°51	25° 7	19°49	4°19	10° 5	10°38	19°D 9	18°37	17°41	19°54	S 12
M13	19 53 18	27°26'50	9♏16	21°34	4°23	7°29	25°16	19°53	4°22	10° 6	10°36	19° 9	18°34	17°47	19°54	M13
T 14	19 57 15	28°24'13	22°16	22°59	5°36	8° 7	25°26	19°58	4°25	10° 7	10°35	19°10	18°31	17°54	19°54	T 14
W15	20 1 11	29°21'37	4♐57	24°22	6°49	8°45	25°35	20° 2	4°29	10° 8	10°34	19°11	18°28	18° 1	19°54	W15
T 16	20 5 8	0♌19'01	17°23	25°43	8° 2	9°23	25°45	20° 6	4°32	10° 9	10°32	19°12	18°24	18° 7	19°R54	T 16
F 17	20 9 5	1°16'26	29°37	27° 2	9°15	10° 1	25°55	20°10	4°35	10°10	10°31	19°13	18°21	18°14	19°54	F 17
S 18	20 13 1	2°13'52	11♑41	28°20	10°28	10°39	26° 4	20°14	4°39	10°11	10°30	19°13	18°18	18°21	19°54	S 18
S 19	20 16 58	3°11'19	23°37	29°35	11°41	11°18	26°14	20°18	4°42	10°12	10°28	19°R13	18°15	18°27	19°54	S 19
M20	20 20 54	4° 8'47	5♒30	0♍48	12°54	11°56	26°24	20°22	4°45	10°13	10°27	19°13	18°12	18°34	19°54	M20
T 21	20 24 51	5° 6'16	17°19	1°59	14° 7	12°34	26°35	20°26	4°49	10°14	10°26	19°11	18° 8	18°41	19°54	T 21
W22	20 28 47	6° 3'46	29° 8	3° 7	15°20	13°12	26°45	20°30	4°52	10°15	10°24	19° 9	18° 5	18°47	19°54	W22
T 23	20 32 44	7° 1'18	10♓59	4°13	16°33	13°50	26°55	20°33	4°55	10°16	10°23	19° 7	18° 2	18°54	19°53	T 23
F 24	20 36 40	7°58'51	22°54	5°17	17°46	14°28	27° 5	20°37	4°59	10°18	10°22	19° 4	17°59	19° 1	19°53	F 24
S 25	20 40 37	8°56'25	4♈57	6°18	19° 0	15° 6	27°16	20°40	5° 2	10°19	10°20	19° 1	17°56	19° 7	19°52	S 25
S 26	20 44 34	9°54'00	17°10	7°17	20°13	15°44	27°26	20°44	5° 6	10°20	10°19	18°59	17°53	19°14	19°52	S 26
M27	20 48 30	10°51'37	29°37	8°12	21°26	16°22	27°37	20°47	5° 9	10°22	10°18	18°57	17°49	19°21	19°51	M27
T 28	20 52 27	11°49'16	12♉22	9° 5	22°40	17° 0	27°48	20°50	5°13	10°23	10°16	18°D57	17°46	19°27	19°51	T 28
W29	20 56 23	12°46'56	25°28	9°55	23°53	17°39	27°59	20°53	5°16	10°24	10°15	18°57	17°43	19°34	19°50	W29
T 30	21 0 20	13°44'38	8♊59	10°41	25° 6	18°17	28° 9	20°56	5°20	10°26	10°14	18°59	17°40	19°41	19°49	T 30
F 31	21 4 16	14♌42'22	22♊55	11♍24	26♋20	18♌55	28♍20	20♉59	5♍24	10♎27	10♒12	19♋ 0	17♋37	19♒47	19♈49	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n34	12n26	4s41	21n24	1n42	22n21	0s48	21n24	1n10	3n45	1n16	15n27	2s 8	10n51	0n45	2s24	1n42	26s 4	8s51	22n 9	22n 9	18s13	8n54	1n13
T 2	22 27	16 26	3 59	20 56	1 38	22 29	0 45	21 15	1 10	3 42	1 16	15 28	2 8	10 50	0 44	2 24	1 42	26 5	8 51	22 9	22 9	18 12	8 54	1 13
F 3	22 20	19 38	3 1	20 26	1 34	22 36	0 42	21 7	1 10	3 38	1 16	15 30	2 9	10 49	0 44	2 24	1 42	26 5	8 51	22 9	22 10	18 10	8 54	1 13
S 4	22 12	21 42	1 50	19 55	1 29	22 42	0 40	20 59	1 10	3 35	1 16	15 31	2 9	10 48	0 44	2 25	1 42	26 6	8 51	22 9	22 10	18 9	8 55	1 13
S 5	22 4	22 19	0 30	19 24	1 24	22 48	0 37	20 50	1 10	3 31	1 16	15 32	2 9	10 47	0 44	2 25	1 41	26 6	8 52	22 9	22 11	18 8	8 55	1 13
M 6	21 55	21 21	0n53	18 51	1 19	22 54	0 34	20 41	1 10	3 28	1 15	15 33	2 9	10 46	0 44	2 25	1 41	26 7	8 52	22 9	22 11	18 6	8 55	1 13
T 7	21 46	18 51	2 13	18 18	1 13	22 58	0 32	20 32	1 10	3 24	1 15	15 35	2 9	10 45	0 44	2 26	1 41	26 7	8 52	22 9	22 12	18 5	8 55	1 13
W 8	21 37	15 5	3 23	17 44	1 6	23 2	0 29	20 23	1 10	3 20	1 15	15 36	2 9	10 44	0 44	2 26	1 41	26 7	8 52	22 9	22 12	18 4	8 55	1 13
T 9	21 27	10 26	4 19	17 10	0 59	23 5	0 26	20 14	1 10	3 17	1 15	15 37	2 9	10 42	0 44	2 26	1 41	26 8	8 52	22 9	22 13	18 2	8 56	1 13
F 10	21 17	5 17	4 56	16 35	0 52	23 8	0 24	20 4	1 10	3 13	1 15	15 38	2 10	10 41	0 44	2 27	1 41	26 8	8 52	22 9	22 13	18 1	8 56	1 13
S 11	21 7	0s 1	5 15	16 0	0 45	23 10	0 21	19 55	1 10	3 9	1 14	15 39	2 10	10 40	0 44	2 27	1 41	26 9	8 52	22 9	22 13	18 0	8 56	1 13
S 12	20 56	5 9	5 15	15 25	0 37	23 11	0 18	19 45	1 10	3 5	1 14	15 40	2 10	10 39	0 44	2 27	1 41	26 9	8 53	22 9	22 14	17 58	8 56	1 13
M13	20 45	9 55	4 58	14 49	0 28	23 12	0 16	19 36	1 10	3 1	1 14	15 41	2 10	10 38	0 44	2 28	1 41	26 10	8 53	22 9	22 14	17 57	8 56	1 13
T 14	20 34	14 7	4 26	14 13	0 20	23 12	0 13	19 26	1 10	2 57	1 14	15 42	2 10	10 37	0 44	2 28	1 41	26 10	8 53	22 9	22 15	17 56	8 56	1 13
W15	20 22	17 34	3 42	13 38	0 11	23 11	0 10	19 16	1 10	2 53	1 14	15 43	2 10	10 35	0 44	2 29	1 41	26 11	8 53	22 9	22 15	17 54	8 56	1 13
T 16	20 10	20 9	2 48	13 2	0 2	23 10	0 8	19 5	1 10	2 49	1 14	15 44	2 11	10 34	0 44	2 29	1 41	26 11	8 53	22 9	22 16	17 53	8 56	1 13
F 17	19 57	21 45	1 47	12 26	0s 7	23 8	0 5	18 55	1 10	2 45	1 13	15 45	2 11	10 33	0 44	2 30	1 41	26 12	8 53	22 9	22 16	17 52	8 56	1 13
S 18	19 44	22 19	0 42	11 50	0 17	23 5	0 2	18 45	1 10	2 41	1 13	15 46	2 11	10 32	0 44	2 30	1 41	26 12	8 53	22 9	22 16	17 50	8 56	1 13
S 19	19 31	21 51	0s24	11 15	0 27	23 1	0n 0	18 34	1 10	2 37	1 13	15 47	2 11	10 30	0 44	2 31	1 41	26 13	8 53	22 9	22 17	17 49	8 56	1 13
M20	19 18	20 24	1 29	10 40	0 37	22 57	0 3	18 23	1 9	2 33	1 13	15 48	2 11	10 29	0 44	2 31	1 41	26 13	8 53	22 9	22 17	17 48	8 56	1 13
T 21	19 4	18 4	2 29	10 5	0 47	22 52	0 6	18 13	1 9	2 29	1 13	15 49	2 12	10 28	0 44	2 32	1 41	26 14	8 53	22 9	22 18	17 46	8 56	1 13
W22	18 50	14 59	3 23	9 31	0 57	22 47	0 8	18 2	1 9	2 25	1 13	15 50	2 12	10 27	0 44	2 32	1 41	26 14	8 54	22 9	22 18	17 45	8 56	1 13
T 23	18 35	11 18	4 8	8 57	1 8	22 41	0 11	17 51	1 9	2 20	1 13	15 50	2 12	10 25	0 44	2 33	1 41	26 15	8 54	22 10	22 19	17 44	8 56	1 13
F 24	18 20	7 9	4 43	8 24	1 18	22 34	0 13	17 39	1 9	2 16	1 12	15 51	2 12	10 24	0 44	2 33	1 41	26 15	8 54	22 10	22 19	17 42	8 56	1 13
S 25	18 5	2 42	5 6	7 51	1 29	22 27	0 16	17 28	1 9	2 12	1 12	15 52	2 12	10 23	0 44	2 34	1 41	26 16	8 54	22 11	22 19	17 41	8 55	1 13
S 26	17 50	1n55	5 15	7 19	1 40	22 18	0 18	17 17	1 9	2 7	1 12	15 52	2 12	10 22	0 44	2 34	1 40	26 16	8 54	22 11	22 20	17 39	8 55	1 13
M27	17 34	6 33	5 10	6 49	1 51	22 10	0 21	17 5	1 9	2 3	1 12	15 53	2 13	10 20	0 44	2 35	1 40	26 16	8 54	22 11	22 20	17 38	8 55	1 13
T 28	17 19	11 1	4 49	6 19	2 2	22 0	0 23	16 54	1 9	1 59	1 12	15 54	2 13	10 19	0 44	2 35	1 40	26 17	8 54	22 11	22 21	17 37	8 55	1 13
W29	17 2	15 6	4 13	5 50	2 13	21 50	0 26	16 42	1 9	1 54	1 12	15 54	2 13	10 18	0 44	2 36	1 40	26 17	8 54	22 11	22 21	17 35	8 54	1 13
T 30	16 46	18 32	3 23	5 22	2 24	21 39	0 28	16 30	1 9	1 50	1 12	15 55	2 13	10 16	0 44	2 36	1 40	26 18	8 54	22 11	22 22	17 34	8 54	1 13
F 31	16n29	21n 2	2s19	4n56	2s34	21n28	0n31	16n18	1n 9	1n45	1n11	15n56	2s13	10n15	0n44	2s37	1n40	26s18	8s54	22n11	22n22	17s32	8n54	1n13

Julian Day Number = 2193507.5, Delta T = 10m34s
Ecliptic obliquity = 23°31'48, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'13, Lahiri = 14°00'14 Julian Calendar 1 July 1293 == Greg. Calendar 8 July 1293

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

AUGUST 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 8 13	15♌40'07	7♋18	12♍ 3	27♋33	19♌33	28♍31	21♉ 2	5♍27	10♎29	10°R11	19♋ 1	17♋34	19♒54	19°R48	S 1
S 2	21 12 9	16°37'54	22° 4	12°39	28°47	20°11	28°42	21° 5	5°31	10°30	10♒10	19°R 1	17°30	20° 1	19♈47	S 2
M 3	21 16 6	17°35'42	7♌ 8	13°10	0♌ 1	20°49	28°54	21° 7	5°34	10°31	10° 8	19° 1	17°27	20° 7	19°46	M 3
T 4	21 20 3	18°33'32	22°21	13°37	1°14	21°28	29° 5	21°10	5°38	10°33	10° 7	18°58	17°24	20°14	19°45	T 4
W 5	21 23 59	19°31'24	7♍33	13°59	2°28	22° 6	29°16	21°12	5°42	10°35	10° 6	18°55	17°21	20°21	19°44	W 5
T 6	21 27 56	20°29'16	22°35	14°17	3°42	22°44	29°27	21°14	5°45	10°36	10° 4	18°50	17°18	20°27	19°43	T 6
F 7	21 31 52	21°27'10	7♎18	14°29	4°56	23°22	29°39	21°17	5°49	10°38	10° 3	18°46	17°14	20°34	19°42	F 7
S 8	21 35 49	22°25'06	21°37	14°36	6° 9	24° 0	29°50	21°19	5°53	10°39	10° 2	18°42	17°11	20°41	19°41	S 8
S 9	21 39 45	23°23'02	5♏27	14°R37	7°23	24°39	0♎ 2	21°21	5°56	10°41	10° 1	18°39	17° 8	20°47	19°39	S 9
M10	21 43 42	24°21'00	18°50	14°33	8°37	25°17	0°14	21°23	6° 0	10°43	9°59	18°D38	17° 5	20°54	19°38	M10
T 11	21 47 38	25°19'00	1♐47	14°23	9°51	25°55	0°25	21°24	6° 4	10°44	9°58	18°38	17° 2	21° 1	19°37	T 11
W12	21 51 35	26°17'01	14°22	14° 6	11° 5	26°33	0°37	21°26	6° 8	10°46	9°57	18°39	16°59	21° 7	19°35	W12
T 13	21 55 32	27°15'03	26°40	13°44	12°19	27°12	0°49	21°28	6°11	10°48	9°55	18°40	16°55	21°14	19°34	T 13
F 14	21 59 28	28°13'07	8♑45	13°15	13°33	27°50	1° 1	21°29	6°15	10°49	9°54	18°42	16°52	21°21	19°32	F 14
S 15	22 3 25	29°11'12	20°41	12°40	14°47	28°28	1°12	21°30	6°19	10°51	9°53	18°R42	16°49	21°28	19°31	S 15
S 16	22 7 21	0♍ 9'18	2♒31	12° 0	16° 1	29° 6	1°24	21°32	6°23	10°53	9°52	18°41	16°46	21°34	19°29	S 16
M17	22 11 18	1° 7'27	14°20	11°14	17°15	29°45	1°36	21°33	6°26	10°55	9°50	18°38	16°43	21°41	19°28	M17
T 18	22 15 14	2° 5'37	26° 9	10°23	18°29	0♍23	1°48	21°34	6°30	10°57	9°49	18°33	16°39	21°48	19°26	T 18
W19	22 19 11	3° 3'48	8♓ 1	9°29	19°44	1° 1	2° 1	21°35	6°34	10°58	9°48	18°26	16°36	21°54	19°24	W19
T 20	22 23 7	4° 2'02	19°58	8°32	20°58	1°39	2°13	21°35	6°38	11° 0	9°47	18°18	16°33	22° 1	19°23	T 20
F 21	22 27 4	5° 0'17	2♈ 0	7°32	22°12	2°18	2°25	21°36	6°41	11° 2	9°46	18° 9	16°30	22° 8	19°21	F 21
S 22	22 31 1	5°58'34	14°10	6°32	23°26	2°56	2°37	21°37	6°45	11° 4	9°44	18° 1	16°27	22°14	19°19	S 22
S 23	22 34 57	6°56'54	26°30	5°33	24°41	3°34	2°49	21°37	6°49	11° 6	9°43	17°53	16°24	22°21	19°17	S 23
M24	22 38 54	7°55'15	9♉ 1	4°35	25°55	4°13	3° 2	21°38	6°53	11° 8	9°42	17°48	16°20	22°28	19°15	M24
T 25	22 42 50	8°53'38	21°47	3°41	27° 9	4°51	3°14	21°38	6°56	11°10	9°41	17°44	16°17	22°34	19°13	T 25
W26	22 46 47	9°52'04	4♊50	2°52	28°24	5°30	3°26	21°38	7° 0	11°12	9°40	17°D43	16°14	22°41	19°11	W26
T 27	22 50 43	10°50'32	18°13	2° 8	29°38	6° 8	3°39	21°R38	7° 4	11°14	9°39	17°43	16°11	22°48	19° 9	T 27
F 28	22 54 40	11°49'02	1♋59	1°32	0♍53	6°46	3°51	21°38	7° 8	11°16	9°38	17°43	16° 8	22°54	19° 7	F 28
S 29	22 58 36	12°47'35	16° 9	1° 4	2° 7	7°25	4° 4	21°38	7°12	11°18	9°37	17°R44	16° 5	23° 1	19° 5	S 29
S 30	23 2 33	13°46'09	0♌41	0°44	3°22	8° 3	4°16	21°38	7°15	11°20	9°36	17°43	16° 1	23° 8	19° 3	S 30
M31	23 6 30	14♍44'46	15♌34	0♍34	4♍36	8♍42	4♎29	21♉37	7♍19	11♎22	9♒34	17♋41	15♋58	23♒14	19♈ 0	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n12	22n16	1s 4	4n31	2s45	21n16	0n33	16n 6	1n 9	1n41	1n11	15n56	2s14	10n14	0n44	2s38	1n40	26s19	8s54	22n11	22n22	17s31	8n54	1n13
S 2	15 55	21 59	0n17	4 8	2 56	21 3	0 35	15 54	1 9	1 36	1 11	15 57	2 14	10 12	0 44	2 38	1 40	26 19	8 54	22 10	22 23	17 29	8 53	1 13
M 3	15 37	20 8	1 38	3 47	3 6	20 50	0 38	15 41	1 9	1 32	1 11	15 57	2 14	10 11	0 44	2 39	1 40	26 19	8 54	22 11	22 23	17 28	8 53	1 13
T 4	15 19	16 50	2 53	3 27	3 16	20 36	0 40	15 29	1 8	1 27	1 11	15 58	2 14	10 10	0 44	2 39	1 40	26 20	8 54	22 11	22 24	17 27	8 52	1 13
W 5	15 1	12 24	3 55	3 9	3 26	20 22	0 42	15 16	1 8	1 22	1 11	15 58	2 14	10 8	0 44	2 40	1 40	26 20	8 54	22 11	22 24	17 25	8 52	1 13
T 6	14 43	7 14	4 40	2 54	3 35	20 7	0 44	15 4	1 8	1 18	1 11	15 58	2 15	10 7	0 44	2 41	1 40	26 21	8 54	22 12	22 24	17 24	8 52	1 13
F 7	14 24	1 46	5 6	2 41	3 44	19 51	0 46	14 51	1 8	1 13	1 11	15 59	2 15	10 6	0 44	2 41	1 40	26 21	8 54	22 13	22 25	17 22	8 51	1 13
S 8	14 6	3s38	5 12	2 30	3 53	19 35	0 48	14 38	1 8	1 8	1 11	15 59	2 15	10 4	0 44	2 42	1 40	26 21	8 54	22 13	22 25	17 21	8 51	1 13
S 9	13 47	8 41	4 59	2 23	4 0	19 18	0 50	14 25	1 8	1 4	1 10	15 59	2 15	10 3	0 44	2 43	1 40	26 22	8 54	22 14	22 26	17 19	8 50	1 13
M10	13 27	13 9	4 30	2 18	4 7	19 1	0 52	14 12	1 8	0 59	1 10	16 0	2 15	10 1	0 44	2 43	1 40	26 22	8 54	22 14	22 26	17 18	8 50	1 13
T 11	13 8	16 52	3 48	2 17	4 13	18 43	0 54	13 59	1 8	0 54	1 10	16 0	2 16	10 0	0 44	2 44	1 40	26 22	8 54	22 14	22 26	17 16	8 49	1 13
W12	12 48	19 42	2 56	2 18	4 18	18 25	0 56	13 46	1 8	0 50	1 10	16 0	2 16	9 59	0 44	2 45	1 40	26 23	8 54	22 14	22 27	17 15	8 49	1 13
T 13	12 28	21 32	1 57	2 23	4 22	18 6	0 58	13 33	1 7	0 45	1 10	16 0	2 16	9 57	0 44	2 46	1 40	26 23	8 54	22 13	22 27	17 13	8 48	1 13
F 14	12 8	22 21	0 54	2 32	4 25	17 46	1 0	13 20	1 7	0 40	1 10	16 1	2 16	9 56	0 44	2 46	1 40	26 24	8 54	22 13	22 28	17 12	8 48	1 13
S 15	11 48	22 7	0s11	2 44	4 26	17 26	1 1	13 6	1 7	0 35	1 10	16 1	2 16	9 54	0 44	2 47	1 40	26 24	8 54	22 13	22 28	17 11	8 47	1 13
S 16	11 28	20 53	1 14	3 0	4 25	17 6	1 3	12 53	1 7	0 30	1 10	16 1	2 17	9 53	0 44	2 48	1 40	26 24	8 54	22 13	22 28	17 9	8 46	1 13
M17	11 7	18 44	2 15	3 20	4 23	16 45	1 5	12 39	1 7	0 25	1 10	16 1	2 17	9 52	0 44	2 48	1 40	26 25	8 54	22 14	22 29	17 8	8 46	1 12
T 18	10 46	15 48	3 9	3 43	4 18	16 24	1 6	12 25	1 7	0 20	1 10	16 1	2 17	9 50	0 44	2 49	1 40	26 25	8 54	22 14	22 29	17 6	8 45	1 12
W19	10 25	12 13	3 55	4 9	4 12	16 2	1 8	12 12	1 7	0 16	1 9	16 1	2 17	9 49	0 44	2 50	1 40	26 25	8 54	22 15	22 30	17 5	8 44	1 12
T 20	10 4	8 8	4 31	4 38	4 4	15 39	1 9	11 58	1 7	0 11	1 9	16 1	2 17	9 47	0 44	2 51	1 40	26 25	8 54	22 16	22 30	17 3	8 44	1 12
F 21	9 43	3 43	4 55	5 9	3 54	15 17	1 11	11 44	1 6	0 6	1 9	16 1	2 18	9 46	0 44	2 51	1 40	26 26	8 54	22 18	22 30	17 2	8 43	1 12
S 22	9 21	0n54	5 7	5 42	3 42	14 53	1 12	11 30	1 6	0 1	1 9	16 1	2 18	9 45	0 44	2 52	1 40	26 26	8 54	22 19	22 31	17 0	8 42	1 12
S 23	9 0	5 32	5 4	6 17	3 28	14 30	1 13	11 16	1 6	0s 4	1 9	16 1	2 18	9 43	0 44	2 53	1 39	26 26	8 54	22 20	22 31	16 58	8 41	1 12
M24	8 38	10 2	4 47	6 52	3 13	14 6	1 15	11 2	1 6	0 9	1 9	16 1	2 18	9 42	0 44	2 54	1 39	26 27	8 54	22 21	22 32	16 57	8 41	1 12
T 25	8 16	14 10	4 15	7 27	2 56	13 41	1 16	10 47	1 6	0 14	1 9	16 1	2 18	9 40	0 44	2 55	1 39	26 27	8 54	22 21	22 32	16 55	8 40	1 12
W26	7 54	17 45	3 30	8 2	2 38	13 17	1 17	10 33	1 6	0 19	1 9	16 1	2 19	9 39	0 44	2 55	1 39	26 27	8 54	22 21	22 32	16 54	8 39	1 12
T 27	7 32	20 29	2 32	8 35	2 20	12 51	1 18	10 19	1 6	0 24	1 9	16 0	2 19	9 38	0 44	2 56	1 39	26 27	8 54	22 21	22 33	16 52	8 38	1 12
F 28	7 9	22 7	1 24	9 6	2 0	12 26	1 19	10 4	1 5	0 29	1 9	16 0	2 19	9 36	0 44	2 57	1 39	26 28	8 54	22 21	22 33	16 51	8 37	1 12
S 29	6 47	22 25	0 9	9 34	1 41	12 0	1 20	9 50	1 5	0 34	1 9	16 0	2 19	9 35	0 44	2 58	1 39	26 28	8 54	22 21	22 34	16 49	8 37	1 12
S 30	6 24	21 12	1n 9	9 59	1 21	11 34	1 21	9 35	1 5	0 39	1 9	16 0	2 19	9 33	0 44	2 59	1 39	26 28	8 54	22 21	22 34	16 48	8 36	1 12
M31	6n 2	18n31	2n23	10n21	1s 2	11n 7	1n21	9n21	1n 5	0s44	1n 9	15n59	2s20	9n32	0n44	2s59	1n39	26s28	8s54	22n21	22n34	16s46	8n35	1n12

Julian Day Number = 2193538.5, Delta T = 10m34s
Ecliptic obliquity = 23°31'49, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'18, Lahiri = 14°00'18 Julian Calendar 1 Aug. 1293 == Greg. Calendar 8 Aug. 1293

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

SEPTEMBER 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 10 26	15♍43'25	0♍39	0°D33	5♍51	9♍20	4♎42	21°R37	7♍23	11♎24	9°R33	17°R36	15♋55	23♒21	18°R58	T 1
W 2	23 14 23	16°42'06	15°50	0♍42	7° 6	9°59	4°54	21♉36	7°27	11°26	9♒32	17♋28	15°52	23°28	18♈56	W 2
T 3	23 18 19	17°40'49	0♎55	1° 0	8°20	10°37	5° 7	21°35	7°30	11°28	9°31	17°19	15°49	23°34	18°54	T 3
F 4	23 22 16	18°39'34	15°44	1°28	9°35	11°16	5°20	21°34	7°34	11°30	9°30	17°10	15°45	23°41	18°51	F 4
S 5	23 26 12	19°38'20	0♏10	2° 5	10°50	11°54	5°33	21°33	7°38	11°32	9°29	17° 1	15°42	23°48	18°49	S 5
S 6	23 30 9	20°37'09	14° 8	2°51	12° 4	12°33	5°45	21°32	7°41	11°34	9°29	16°54	15°39	23°54	18°46	S 6
M 7	23 34 5	21°35'59	27°37	3°45	13°19	13°11	5°58	21°31	7°45	11°36	9°28	16°49	15°36	24° 1	18°44	M 7
T 8	23 38 2	22°34'51	10♐37	4°47	14°34	13°50	6°11	21°30	7°49	11°39	9°27	16°46	15°33	24° 8	18°42	T 8
W 9	23 41 58	23°33'45	23°13	5°55	15°49	14°29	6°24	21°29	7°52	11°41	9°26	16°D46	15°30	24°14	18°39	W 9
T 10	23 45 55	24°32'41	5♑29	7°10	17° 3	15° 7	6°37	21°27	7°56	11°43	9°25	16°46	15°26	24°21	18°36	T 10
F 11	23 49 52	25°31'38	17°31	8°30	18°18	15°46	6°50	21°26	8° 0	11°45	9°24	16°R46	15°23	24°28	18°34	F 11
S 12	23 53 48	26°30'37	29°24	9°55	19°33	16°24	7° 2	21°24	8° 3	11°47	9°23	16°46	15°20	24°34	18°31	S 12
S 13	23 57 45	27°29'38	11♒13	11°24	20°48	17° 3	7°15	21°22	8° 7	11°49	9°22	16°43	15°17	24°41	18°29	S 13
M14	0 1 41	28°28'41	23° 1	12°57	22° 3	17°42	7°28	21°20	8°11	11°52	9°22	16°37	15°14	24°48	18°26	M14
T 15	0 5 38	29°27'46	4♓53	14°33	23°18	18°20	7°41	21°18	8°14	11°54	9°21	16°29	15°11	24°54	18°23	T 15
W16	0 9 34	0♎26'53	16°50	16°11	24°33	18°59	7°54	21°16	8°18	11°56	9°20	16°19	15° 7	25° 1	18°21	W16
T 17	0 13 31	1°26'02	28°55	17°51	25°48	19°38	8° 7	21°14	8°21	11°58	9°19	16° 6	15° 4	25° 8	18°18	T 17
F 18	0 17 27	2°25'12	11♈ 9	19°33	27° 3	20°16	8°20	21°12	8°25	12° 0	9°19	15°53	15° 1	25°14	18°15	F 18
S 19	0 21 24	3°24'25	23°33	21°16	28°18	20°55	8°33	21° 9	8°28	12° 3	9°18	15°39	14°58	25°21	18°13	S 19
S 20	0 25 21	4°23'40	6♉ 6	23° 0	29°33	21°34	8°46	21° 7	8°32	12° 5	9°17	15°27	14°55	25°28	18°10	S 20
M21	0 29 17	5°22'58	18°50	24°45	0♎48	22°13	8°59	21° 4	8°35	12° 7	9°17	15°18	14°51	25°34	18° 7	M21
T 22	0 33 14	6°22'17	1♊46	26°30	2° 3	22°51	9°12	21° 1	8°39	12° 9	9°16	15°11	14°48	25°41	18° 4	T 22
W23	0 37 10	7°21'39	14°54	28°15	3°18	23°30	9°25	20°59	8°42	12°12	9°16	15° 7	14°45	25°48	18° 2	W23
T 24	0 41 7	8°21'04	28°17	0♏ 1	4°33	24° 9	9°38	20°56	8°46	12°14	9°15	15° 6	14°42	25°54	17°59	T 24
F 25	0 45 3	9°20'30	11♋57	1°46	5°48	24°48	9°51	20°53	8°49	12°16	9°14	15° 6	14°39	26° 1	17°56	F 25
S 26	0 49 0	10°20'00	25°54	3°31	7° 3	25°27	10° 5	20°50	8°52	12°18	9°14	15° 6	14°36	26° 8	17°53	S 26
S 27	0 52 56	11°19'31	10♌10	5°16	8°18	26° 6	10°18	20°47	8°56	12°21	9°13	15° 4	14°32	26°15	17°50	S 27
M28	0 56 53	12°19'05	24°43	7° 0	9°33	26°45	10°31	20°43	8°59	12°23	9°13	15° 0	14°29	26°21	17°47	M28
T 29	1 0 50	13°18'41	9♍29	8°44	10°48	27°23	10°44	20°40	9° 2	12°25	9°12	14°54	14°26	26°28	17°45	T 29
W30	1 4 46	14♎18'19	24♍21	10♎27	12♎ 4	28♍ 2	10♎57	20♉37	9♍ 6	12♎27	9♒12	14♋44	14♋23	26♒35	17♈42	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n39	14n32	3n29	10n39	0s43	10n40	1n22	9n 6	1n 5	0s50	1n 8	15n59	2s20	9n31	0n44	3s 0	1n39	26s29	8s53	22n22	22n35	16s45	8n34	1n12
W 2	5 16	9 35	4 20	10 53	0 24	10 13	1 23	8 51	1 5	0 55	1 8	15 59	2 20	9 29	0 44	3 1	1 39	26 29	8 53	22 23	22 35	16 43	8 33	1 12
T 3	4 53	4 6	4 52	11 3	0 7	9 46	1 23	8 36	1 4	1 0	1 8	15 58	2 20	9 28	0 44	3 2	1 39	26 29	8 53	22 24	22 35	16 41	8 32	1 12
F 4	4 30	1s32	5 4	11 8	0n 9	9 18	1 24	8 22	1 4	1 5	1 8	15 58	2 20	9 26	0 44	3 3	1 39	26 29	8 53	22 25	22 36	16 40	8 31	1 12
S 5	4 7	6 57	4 56	11 9	0 25	8 50	1 24	8 7	1 4	1 10	1 8	15 58	2 21	9 25	0 44	3 4	1 39	26 29	8 53	22 27	22 36	16 38	8 30	1 12
S 6	3 44	11 50	4 31	11 6	0 39	8 22	1 25	7 52	1 4	1 15	1 8	15 57	2 21	9 24	0 44	3 4	1 39	26 29	8 53	22 27	22 37	16 37	8 29	1 12
M 7	3 21	15 57	3 51	10 58	0 52	7 53	1 25	7 37	1 4	1 20	1 8	15 57	2 21	9 22	0 44	3 5	1 39	26 30	8 53	22 28	22 37	16 35	8 28	1 12
T 8	2 57	19 9	3 0	10 47	1 3	7 25	1 25	7 22	1 4	1 25	1 8	15 56	2 21	9 21	0 44	3 6	1 39	26 30	8 53	22 28	22 37	16 33	8 27	1 12
W 9	2 34	21 19	2 2	10 31	1 14	6 56	1 26	7 7	1 3	1 30	1 8	15 56	2 21	9 20	0 44	3 7	1 39	26 30	8 53	22 28	22 38	16 32	8 26	1 12
T 10	2 11	22 25	1 0	10 12	1 23	6 27	1 26	6 51	1 3	1 36	1 8	15 55	2 21	9 18	0 44	3 8	1 39	26 30	8 53	22 28	22 38	16 30	8 25	1 12
F 11	1 47	22 27	0s 4	9 49	1 31	5 57	1 26	6 36	1 3	1 41	1 8	15 54	2 22	9 17	0 44	3 9	1 39	26 30	8 53	22 28	22 38	16 29	8 24	1 12
S 12	1 24	21 26	1 7	9 23	1 38	5 28	1 26	6 21	1 3	1 46	1 8	15 54	2 22	9 16	0 44	3 9	1 39	26 30	8 52	22 28	22 39	16 27	8 23	1 12
S 13	1 0	19 30	2 6	8 54	1 43	4 58	1 26	6 6	1 3	1 51	1 8	15 53	2 22	9 14	0 44	3 10	1 39	26 30	8 52	22 29	22 39	16 25	8 22	1 12
M14	0 36	16 44	3 0	8 23	1 47	4 29	1 26	5 50	1 2	1 56	1 8	15 53	2 22	9 13	0 44	3 11	1 39	26 31	8 52	22 29	22 39	16 24	8 21	1 11
T 15	0 13	13 16	3 46	7 49	1 51	3 59	1 25	5 35	1 2	2 1	1 8	15 52	2 22	9 11	0 44	3 12	1 39	26 31	8 52	22 31	22 40	16 22	8 20	1 11
W16	0s11	9 14	4 22	7 13	1 53	3 29	1 25	5 20	1 2	2 7	1 8	15 51	2 23	9 10	0 44	3 13	1 39	26 31	8 52	22 32	22 40	16 21	8 19	1 11
T 17	0 34	4 49	4 47	6 35	1 55	2 59	1 25	5 4	1 2	2 12	1 8	15 50	2 23	9 9	0 44	3 14	1 39	26 31	8 52	22 33	22 41	16 19	8 18	1 11
F 18	0 58	0 10	4 59	5 55	1 55	2 28	1 25	4 49	1 2	2 17	1 8	15 50	2 23	9 8	0 44	3 15	1 39	26 31	8 52	22 35	22 41	16 17	8 17	1 11
S 19	1 22	4n34	4 58	5 14	1 55	1 58	1 24	4 33	1 1	2 22	1 8	15 49	2 23	9 6	0 44	3 16	1 39	26 31	8 52	22 36	22 41	16 16	8 16	1 11
S 20	1 45	9 10	4 42	4 32	1 54	1 28	1 24	4 18	1 1	2 27	1 8	15 48	2 23	9 5	0 44	3 16	1 39	26 31	8 51	22 38	22 42	16 14	8 15	1 11
M21	2 9	13 28	4 11	3 49	1 53	0 57	1 23	4 2	1 1	2 32	1 8	15 47	2 23	9 4	0 44	3 17	1 39	26 31	8 51	22 39	22 42	16 12	8 14	1 11
T 22	2 32	17 12	3 28	3 5	1 50	0 27	1 22	3 46	1 1	2 38	1 8	15 46	2 23	9 2	0 44	3 18	1 39	26 31	8 51	22 40	22 42	16 11	8 12	1 11
W23	2 56	20 9	2 32	2 20	1 48	0s 4	1 22	3 31	1 0	2 43	1 8	15 46	2 24	9 1	0 44	3 19	1 39	26 31	8 51	22 40	22 43	16 9	8 11	1 11
T 24	3 19	22 3	1 28	1 35	1 44	0 35	1 21	3 15	1 0	2 48	1 8	15 45	2 24	9 0	0 44	3 20	1 39	26 31	8 51	22 40	22 43	16 7	8 10	1 11
F 25	3 43	22 43	0 17	0 50	1 41	1 5	1 20	3 0	1 0	2 53	1 8	15 44	2 24	8 59	0 44	3 21	1 39	26 31	8 51	22 40	22 43	16 6	8 9	1 11
S 26	4 6	21 59	0n57	0 5	1 37	1 36	1 19	2 44	1 0	2 58	1 8	15 43	2 24	8 57	0 44	3 22	1 39	26 31	8 51	22 40	22 44	16 4	8 8	1 11
S 27	4 30	19 49	2 8	0s41	1 32	2 6	1 18	2 28	1 0	3 3	1 8	15 42	2 24	8 56	0 44	3 23	1 39	26 31	8 50	22 41	22 44	16 2	8 7	1 11
M28	4 53	16 22	3 13	1 27	1 27	2 37	1 17	2 12	0 59	3 8	1 8	15 41	2 24	8 55	0 44	3 23	1 39	26 31	8 50	22 41	22 44	16 1	8 6	1 11
T 29	5 16	11 50	4 5	2 13	1 22	3 8	1 16	1 57	0 59	3 14	1 8	15 40	2 24	8 54	0 44	3 24	1 39	26 31	8 50	22 42	22 45	15 59	8 4	1 11
W30	5s40	6n33	4n42	2s58	1n17	3s38	1n15	1n41	0n59	3s19	1n 8	15n39	2s24	8n52	0n44	3s25	1n39	26s31	8s50	22n43	22n45	15s57	8n 3	1n10

Julian Day Number = 2193569.5, Delta T = 10m34s
Ecliptic obliquity = 23°31'50, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'22, Lahiri = 14°00'22 Julian Calendar 1 Sept. 1293 == Greg. Calendar 8 Sept. 1293

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

OCTOBER 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 8 43	15♎18'00	9♎12	12♎10	13♎19	28♍41	11♎10	20°R33	9♍ 9	12♎29	9°R12	14°R33	14♋20	26♒41	17°R39	T 1
F 2	1 12 39	16°17'42	23°53	13°52	14°34	29°20	11°23	20♉30	9°12	12°32	9♒11	14♋21	14°16	26°48	17♈36	F 2
S 3	1 16 36	17°17'27	8♏14	15°33	15°49	29°59	11°36	20°26	9°15	12°34	9°11	14° 9	14°13	26°55	17°33	S 3
S 4	1 20 32	18°17'13	22°12	17°15	17° 4	0♎38	11°49	20°22	9°18	12°36	9°11	14° 0	14°10	27° 1	17°30	S 4
M 5	1 24 29	19°17'01	5♐43	18°55	18°20	1°17	12° 2	20°19	9°22	12°38	9°10	13°53	14° 7	27° 8	17°27	M 5
T 6	1 28 25	20°16'51	18°46	20°35	19°35	1°56	12°15	20°15	9°25	12°41	9°10	13°48	14° 4	27°15	17°25	T 6
W 7	1 32 22	21°16'43	1♑25	22°14	20°50	2°35	12°28	20°11	9°28	12°43	9°10	13°46	14° 1	27°21	17°22	W 7
T 8	1 36 19	22°16'37	13°44	23°53	22° 5	3°15	12°41	20° 7	9°31	12°45	9°10	13°D46	13°57	27°28	17°19	T 8
F 9	1 40 15	23°16'32	25°47	25°31	23°21	3°54	12°54	20° 3	9°34	12°47	9° 9	13°R46	13°54	27°35	17°16	F 9
S 10	1 44 12	24°16'29	7♒41	27° 9	24°36	4°33	13° 7	19°59	9°37	12°50	9° 9	13°45	13°51	27°41	17°13	S 10
S 11	1 48 8	25°16'28	19°30	28°46	25°51	5°12	13°20	19°54	9°40	12°52	9° 9	13°43	13°48	27°48	17°10	S 11
M12	1 52 5	26°16'28	1♓19	0♏23	27° 6	5°51	13°33	19°50	9°43	12°54	9° 9	13°38	13°45	27°55	17° 8	M12
T 13	1 56 1	27°16'30	13°14	1°59	28°22	6°30	13°46	19°46	9°45	12°56	9° 9	13°30	13°42	28° 1	17° 5	T 13
W14	1 59 58	28°16'34	25°18	3°35	29°37	7° 9	13°58	19°41	9°48	12°58	9° 9	13°20	13°38	28° 8	17° 2	W14
T 15	2 3 54	29°16'39	7♈32	5°10	0♏52	7°49	14°11	19°37	9°51	13° 0	9°D 9	13° 8	13°35	28°15	16°59	T 15
F 16	2 7 51	0♏16'46	19°59	6°45	2° 8	8°28	14°24	19°33	9°54	13° 3	9° 9	12°55	13°32	28°21	16°56	F 16
S 17	2 11 47	1°16'55	2♉39	8°19	3°23	9° 7	14°37	19°28	9°56	13° 5	9° 9	12°42	13°29	28°28	16°54	S 17
S 18	2 15 44	2°17'06	15°31	9°54	4°38	9°46	14°50	19°23	9°59	13° 7	9° 9	12°30	13°26	28°35	16°51	S 18
M19	2 19 41	3°17'19	28°35	11°27	5°54	10°26	15° 2	19°19	10° 2	13° 9	9° 9	12°21	13°22	28°42	16°48	M19
T 20	2 23 37	4°17'33	11♊50	13° 0	7° 9	11° 5	15°15	19°14	10° 4	13°11	9° 9	12°15	13°19	28°48	16°45	T 20
W21	2 27 34	5°17'50	25°16	14°33	8°24	11°44	15°28	19°10	10° 7	13°13	9° 9	12°11	13°16	28°55	16°43	W21
T 22	2 31 30	6°18'09	8♋51	16° 6	9°39	12°24	15°40	19° 5	10° 9	13°15	9°10	12°D10	13°13	29° 2	16°40	T 22
F 23	2 35 27	7°18'30	22°36	17°38	10°55	13° 3	15°53	19° 0	10°12	13°18	9°10	12°10	13°10	29° 8	16°37	F 23
S 24	2 39 23	8°18'52	6♌32	19°10	12°10	13°42	16° 6	18°55	10°14	13°20	9°10	12°R10	13° 7	29°15	16°35	S 24
S 25	2 43 20	9°19'17	20°37	20°41	13°25	14°22	16°18	18°50	10°17	13°22	9°10	12°10	13° 3	29°22	16°32	S 25
M26	2 47 16	10°19'44	4♍53	22°13	14°41	15° 1	16°31	18°46	10°19	13°24	9°10	12° 7	13° 0	29°28	16°30	M26
T 27	2 51 13	11°20'12	19°15	23°44	15°56	15°41	16°43	18°41	10°21	13°26	9°11	12° 2	12°57	29°35	16°27	T 27
W28	2 55 10	12°20'43	3♎41	25°14	17°12	16°20	16°56	18°36	10°24	13°28	9°11	11°55	12°54	29°42	16°25	W28
T 29	2 59 6	13°21'15	18° 6	26°44	18°27	17° 0	17° 8	18°31	10°26	13°30	9°11	11°46	12°51	29°48	16°22	T 29
F 30	3 3 3	14°21'49	2♏23	28°14	19°42	17°39	17°20	18°26	10°28	13°32	9°12	11°36	12°48	29°55	16°20	F 30
S 31	3 6 59	15♏22'24	16♏26	29♏44	20♏58	18♎19	17♎33	18♉21	10♍30	13♎34	9♒12	11♋27	12♋44	0♓ 2	16♈17	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6s 3	0n55	4n59	3s44	1n11	4s 8	1n14	1n25	0n59	3s24	1n 8	15n38	2s25	8n51	0n44	3s26	1n39	26s31	8s50	22n44	22n45	15s56	8n 2	1n10
F 2	6 26	4s43	4 56	4 29	1 6	4 39	1 13	1 9	0 58	3 29	1 8	15 37	2 25	8 50	0 44	3 27	1 39	26 31	8 50	22 45	22 46	15 54	8 1	1 10
S 3	6 49	9 58	4 35	5 14	1 0	5 9	1 11	0 53	0 58	3 34	1 8	15 36	2 25	8 49	0 44	3 28	1 39	26 31	8 49	22 46	22 46	15 52	8 0	1 10
S 4	7 12	14 34	3 57	5 58	0 54	5 39	1 10	0 38	0 58	3 39	1 8	15 35	2 25	8 48	0 44	3 29	1 39	26 31	8 49	22 48	22 46	15 50	7 59	1 10
M 5	7 35	18 17	3 7	6 42	0 47	6 9	1 9	0 22	0 58	3 44	1 8	15 34	2 25	8 46	0 44	3 29	1 39	26 31	8 49	22 48	22 47	15 49	7 57	1 10
T 6	7 57	20 55	2 8	7 26	0 41	6 39	1 7	0 6	0 57	3 49	1 8	15 33	2 25	8 45	0 44	3 30	1 39	26 31	8 49	22 49	22 47	15 47	7 56	1 10
W 7	8 20	22 26	1 5	8 9	0 34	7 9	1 6	0s10	0 57	3 54	1 8	15 31	2 25	8 44	0 44	3 31	1 39	26 31	8 49	22 49	22 47	15 45	7 55	1 10
T 8	8 42	22 49	0 0	8 52	0 28	7 39	1 4	0 26	0 57	3 59	1 8	15 30	2 25	8 43	0 44	3 32	1 39	26 31	8 49	22 49	22 48	15 44	7 54	1 10
F 9	9 5	22 6	1s 3	9 34	0 21	8 8	1 3	0 41	0 56	4 4	1 8	15 29	2 25	8 42	0 44	3 33	1 39	26 30	8 48	22 49	22 48	15 42	7 53	1 10
S 10	9 27	20 24	2 3	10 16	0 15	8 37	1 1	0 57	0 56	4 9	1 8	15 28	2 25	8 41	0 45	3 34	1 39	26 30	8 48	22 49	22 48	15 40	7 52	1 10
S 11	9 49	17 50	2 57	10 57	0 8	9 6	0 59	1 13	0 56	4 14	1 8	15 27	2 26	8 40	0 45	3 35	1 39	26 30	8 48	22 49	22 49	15 38	7 50	1 10
M12	10 11	14 31	3 44	11 38	0 1	9 35	0 57	1 29	0 56	4 19	1 8	15 26	2 26	8 39	0 45	3 35	1 39	26 30	8 48	22 50	22 49	15 37	7 49	1 9
T 13	10 33	10 37	4 21	12 18	0s 5	10 4	0 56	1 45	0 55	4 24	1 8	15 24	2 26	8 38	0 45	3 36	1 39	26 30	8 48	22 51	22 49	15 35	7 48	1 9
W14	10 54	6 15	4 47	12 57	0 12	10 32	0 54	2 1	0 55	4 29	1 8	15 23	2 26	8 37	0 45	3 37	1 39	26 30	8 48	22 52	22 50	15 33	7 47	1 9
T 15	11 16	1 35	5 0	13 35	0 19	11 1	0 52	2 16	0 55	4 34	1 8	15 22	2 26	8 36	0 45	3 38	1 39	26 30	8 47	22 53	22 50	15 31	7 46	1 9
F 16	11 37	3n14	4 59	14 13	0 25	11 28	0 50	2 32	0 54	4 39	1 8	15 21	2 26	8 35	0 45	3 39	1 39	26 29	8 47	22 54	22 50	15 30	7 45	1 9
S 17	11 58	8 0	4 43	14 50	0 32	11 56	0 48	2 48	0 54	4 44	1 8	15 19	2 26	8 34	0 45	3 40	1 39	26 29	8 47	22 55	22 51	15 28	7 43	1 9
S 18	12 19	12 30	4 13	15 27	0 39	12 23	0 46	3 4	0 54	4 49	1 8	15 18	2 26	8 33	0 45	3 40	1 39	26 29	8 47	22 56	22 51	15 26	7 42	1 9
M19	12 39	16 31	3 30	16 2	0 45	12 51	0 44	3 19	0 53	4 54	1 8	15 17	2 26	8 32	0 45	3 41	1 39	26 29	8 47	22 57	22 51	15 24	7 41	1 9
T 20	13 0	19 45	2 34	16 37	0 51	13 17	0 42	3 35	0 53	4 59	1 8	15 16	2 26	8 31	0 45	3 42	1 39	26 29	8 47	22 58	22 52	15 22	7 40	1 9
W21	13 20	21 58	1 29	17 11	0 58	13 44	0 40	3 51	0 53	5 4	1 8	15 14	2 26	8 30	0 45	3 43	1 39	26 28	8 46	22 58	22 52	15 21	7 39	1 9
T 22	13 40	22 56	0 18	17 44	1 4	14 10	0 38	4 7	0 52	5 9	1 8	15 13	2 26	8 29	0 45	3 44	1 39	26 28	8 46	22 58	22 52	15 19	7 38	1 9
F 23	14 0	22 32	0n55	18 17	1 10	14 35	0 36	4 22	0 52	5 13	1 8	15 12	2 26	8 28	0 45	3 44	1 39	26 28	8 46	22 58	22 53	15 17	7 37	1 8
S 24	14 20	20 45	2 6	18 48	1 16	15 1	0 34	4 38	0 52	5 18	1 8	15 10	2 26	8 27	0 45	3 45	1 40	26 28	8 46	22 58	22 53	15 15	7 36	1 8
S 25	14 39	17 40	3 10	19 18	1 22	15 26	0 31	4 54	0 51	5 23	1 8	15 9	2 26	8 26	0 45	3 46	1 40	26 28	8 46	22 58	22 53	15 13	7 34	1 8
M26	14 58	13 31	4 3	19 48	1 27	15 50	0 29	5 9	0 51	5 28	1 8	15 8	2 26	8 25	0 45	3 47	1 40	26 27	8 46	22 59	22 54	15 12	7 33	1 8
T 27	15 17	8 34	4 41	20 17	1 33	16 15	0 27	5 25	0 51	5 33	1 8	15 7	2 26	8 25	0 45	3 47	1 40	26 27	8 45	22 59	22 54	15 10	7 32	1 8
W28	15 36	3 8	5 1	20 44	1 38	16 38	0 25	5 40	0 50	5 37	1 8	15 5	2 26	8 24	0 45	3 48	1 40	26 27	8 45	23 0	22 54	15 8	7 31	1 8
T 29	15 54	2s28	5 3	21 11	1 44	17 2	0 22	5 56	0 50	5 42	1 9	15 4	2 26	8 23	0 45	3 49	1 40	26 27	8 45	23 0	22 54	15 6	7 30	1 8
F 30	16 13	7 53	4 45	21 36	1 48	17 24	0 20	6 11	0 50	5 47	1 9	15 3	2 26	8 22	0 45	3 50	1 40	26 26	8 45	23 1	22 55	15 4	7 29	1 8
S 31	16s30	12s49	4n10	22s 1	1s53	17s47	0n18	6s27	0n49	5s51	1n 9	15n 1	2s26	8n21	0n45	3s50	1n40	26s26	8s45	23n 2	22n55	15s 3	7n28	1n 8

Julian Day Number = 2193599.5, Delta T = 10m34s
Ecliptic obliquity = 23°31'50, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'26, Lahiri = 14°00'26 Julian Calendar 1 Oct. 1293 == Greg. Calendar 8 Oct. 1293

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

NOVEMBER 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 10 56	16♏23'02	0♐11	1♐13	22♏13	18♎58	17♎45	18°R16	10♍32	13♎36	9♒13	11°R19	12♋41	0♓ 8	16°R15	S 1
M 2	3 14 52	17°23'40	13°34	2°42	23°28	19°38	17°57	18♉11	10°34	13°38	9°13	11♋13	12°38	0°15	16♈12	M 2
T 3	3 18 49	18°24'20	26°34	4°10	24°44	20°18	18° 9	18° 6	10°36	13°40	9°14	11° 9	12°35	0°22	16°10	T 3
W 4	3 22 45	19°25'02	9♑13	5°38	25°59	20°57	18°22	18° 1	10°38	13°42	9°14	11°D 8	12°32	0°28	16° 8	W 4
T 5	3 26 42	20°25'44	21°33	7° 5	27°14	21°37	18°34	17°56	10°40	13°43	9°15	11° 9	12°28	0°35	16° 6	T 5
F 6	3 30 39	21°26'28	3♒38	8°32	28°30	22°17	18°46	17°52	10°42	13°45	9°15	11°10	12°25	0°42	16° 3	F 6
S 7	3 34 35	22°27'13	15°33	9°58	29°45	22°56	18°58	17°47	10°43	13°47	9°16	11°11	12°22	0°49	16° 1	S 7
S 8	3 38 32	23°27'58	27°24	11°24	1♐ 1	23°36	19° 9	17°42	10°45	13°49	9°17	11°R11	12°19	0°55	15°59	S 8
M 9	3 42 28	24°28'45	9♓15	12°48	2°16	24°16	19°21	17°37	10°47	13°51	9°17	11°10	12°16	1° 2	15°57	M 9
T 10	3 46 25	25°29'33	21°11	14°12	3°31	24°55	19°33	17°32	10°48	13°53	9°18	11° 6	12°13	1° 9	15°55	T 10
W11	3 50 21	26°30'22	3♈17	15°35	4°47	25°35	19°45	17°27	10°50	13°54	9°19	11° 1	12° 9	1°15	15°53	W11
T 12	3 54 18	27°31'12	15°37	16°56	6° 2	26°15	19°56	17°22	10°52	13°56	9°19	10°54	12° 6	1°22	15°51	T 12
F 13	3 58 14	28°32'02	28°13	18°16	7°17	26°55	20° 8	17°18	10°53	13°58	9°20	10°46	12° 3	1°29	15°49	F 13
S 14	4 2 11	29°32'54	11♉ 7	19°34	8°33	27°35	20°19	17°13	10°54	14° 0	9°21	10°38	12° 0	1°35	15°47	S 14
S 15	4 6 8	0♐33'47	24°17	20°50	9°48	28°15	20°31	17° 8	10°56	14° 1	9°22	10°32	11°57	1°42	15°45	S 15
M16	4 10 4	1°34'41	7♊44	22° 4	11° 3	28°54	20°42	17° 3	10°57	14° 3	9°22	10°26	11°53	1°49	15°43	M16
T 17	4 14 1	2°35'36	21°24	23°16	12°19	29°34	20°54	16°59	10°58	14° 5	9°23	10°23	11°50	1°55	15°42	T 17
W18	4 17 57	3°36'33	5♋16	24°25	13°34	0♏14	21° 5	16°54	11° 0	14° 6	9°24	10°D21	11°47	2° 2	15°40	W18
T 19	4 21 54	4°37'30	19°15	25°30	14°49	0°54	21°16	16°49	11° 1	14° 8	9°25	10°21	11°44	2° 9	15°38	T 19
F 20	4 25 50	5°38'29	3♌20	26°31	16° 5	1°34	21°27	16°45	11° 2	14° 9	9°26	10°23	11°41	2°16	15°37	F 20
S 21	4 29 47	6°39'29	17°28	27°28	17°20	2°14	21°38	16°40	11° 3	14°11	9°27	10°24	11°38	2°22	15°35	S 21
S 22	4 33 44	7°40'29	1♍38	28°20	18°35	2°54	21°49	16°36	11° 4	14°12	9°28	10°R25	11°34	2°29	15°34	S 22
M23	4 37 40	8°41'31	15°47	29° 6	19°51	3°34	22° 0	16°32	11° 5	14°14	9°29	10°25	11°31	2°36	15°32	M23
T 24	4 41 37	9°42'35	29°54	29°45	21° 6	4°14	22°11	16°27	11° 6	14°15	9°30	10°24	11°28	2°42	15°31	T 24
W25	4 45 33	10°43'39	13♎57	0♑17	22°21	4°54	22°21	16°23	11° 6	14°17	9°31	10°21	11°25	2°49	15°29	W25
T 26	4 49 30	11°44'44	27°53	0°41	23°37	5°34	22°32	16°19	11° 7	14°18	9°32	10°17	11°22	2°56	15°28	T 26
F 27	4 53 26	12°45'50	11♏40	0°56	24°52	6°15	22°42	16°15	11° 8	14°20	9°33	10°12	11°19	3° 2	15°27	F 27
S 28	4 57 23	13°46'57	25°16	1°R 0	26° 7	6°55	22°53	16°11	11° 8	14°21	9°34	10° 8	11°15	3° 9	15°26	S 28
S 29	5 1 19	14°48'05	8♐37	0°54	27°22	7°35	23° 3	16° 7	11° 9	14°22	9°35	10° 4	11°12	3°16	15°25	S 29
M30	5 5 16	15♐49'14	21♐42	0♑36	28♐38	8♏15	23♎13	16♉ 3	11♍10	14♎24	9♒37	10♋ 2	11♋ 9	3♓22	15♈23	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s48	16s59	3n21	22s24	1s58	18s 9	0n15	6s42	0n49	5s56	1n 9	15n 0	2s26	8n21	0n45	3s51	1n40	26s26	8s44	23n 3	22n55	15s 1	7n27	1n 7
M 2	17 5	20 9	2 22	22 46	2 2	18 30	0 13	6 57	0 49	6 1	1 9	14 59	2 26	8 20	0 45	3 52	1 40	26 25	8 44	23 3	22 56	14 59	7 26	1 7
T 3	17 22	22 12	1 18	23 7	2 6	18 51	0 11	7 13	0 48	6 5	1 9	14 57	2 26	8 19	0 45	3 53	1 40	26 25	8 44	23 4	22 56	14 57	7 25	1 7
W 4	17 39	23 2	0 10	23 27	2 10	19 12	0 8	7 28	0 48	6 10	1 9	14 56	2 26	8 18	0 45	3 53	1 40	26 25	8 44	23 4	22 56	14 55	7 24	1 7
T 5	17 55	22 43	0s56	23 46	2 13	19 31	0 6	7 43	0 48	6 14	1 9	14 55	2 25	8 18	0 45	3 54	1 40	26 24	8 44	23 4	22 57	14 53	7 23	1 7
F 6	18 11	21 20	1 58	24 3	2 16	19 51	0 3	7 58	0 47	6 19	1 9	14 54	2 25	8 17	0 45	3 55	1 40	26 24	8 44	23 4	22 57	14 52	7 22	1 7
S 7	18 27	19 1	2 55	24 19	2 19	20 10	0 1	8 14	0 47	6 23	1 9	14 52	2 25	8 16	0 46	3 55	1 40	26 24	8 43	23 3	22 57	14 50	7 21	1 7
S 8	18 43	15 55	3 43	24 34	2 21	20 28	0s 1	8 29	0 46	6 28	1 9	14 51	2 25	8 16	0 46	3 56	1 40	26 24	8 43	23 3	22 57	14 48	7 20	1 7
M 9	18 58	12 11	4 22	24 47	2 23	20 45	0 4	8 44	0 46	6 32	1 9	14 50	2 25	8 15	0 46	3 57	1 40	26 23	8 43	23 4	22 58	14 46	7 19	1 7
T 10	19 12	7 57	4 50	24 59	2 24	21 2	0 6	8 59	0 46	6 36	1 9	14 48	2 25	8 15	0 46	3 57	1 40	26 23	8 43	23 4	22 58	14 44	7 18	1 6
W11	19 27	3 22	5 6	25 9	2 25	21 19	0 9	9 14	0 45	6 41	1 10	14 47	2 25	8 14	0 46	3 58	1 40	26 22	8 43	23 4	22 58	14 42	7 17	1 6
T 12	19 41	1n26	5 8	25 18	2 26	21 35	0 11	9 28	0 45	6 45	1 10	14 46	2 25	8 14	0 46	3 59	1 40	26 22	8 43	23 5	22 59	14 40	7 17	1 6
F 13	19 55	6 17	4 55	25 26	2 26	21 50	0 14	9 43	0 44	6 49	1 10	14 45	2 25	8 13	0 46	3 59	1 40	26 22	8 43	23 5	22 59	14 38	7 16	1 6
S 14	20 8	11 0	4 27	25 32	2 25	22 4	0 16	9 58	0 44	6 54	1 10	14 43	2 25	8 13	0 46	4 0	1 40	26 21	8 42	23 6	22 59	14 37	7 15	1 6
S 15	20 21	15 18	3 44	25 36	2 24	22 18	0 18	10 13	0 44	6 58	1 10	14 42	2 24	8 12	0 46	4 1	1 40	26 21	8 42	23 7	22 59	14 35	7 14	1 6
M16	20 33	18 55	2 48	25 39	2 22	22 32	0 21	10 27	0 43	7 2	1 10	14 41	2 24	8 12	0 46	4 1	1 40	26 21	8 42	23 7	23 0	14 33	7 13	1 6
T 17	20 45	21 34	1 41	25 40	2 19	22 44	0 23	10 42	0 43	7 6	1 10	14 40	2 24	8 11	0 46	4 2	1 40	26 20	8 42	23 7	23 0	14 31	7 12	1 6
W18	20 57	22 58	0 28	25 40	2 15	22 56	0 25	10 56	0 42	7 10	1 10	14 39	2 24	8 11	0 46	4 2	1 40	26 20	8 42	23 7	23 0	14 29	7 12	1 5
T 19	21 9	22 56	0n48	25 38	2 11	23 7	0 28	11 11	0 42	7 14	1 10	14 38	2 24	8 10	0 46	4 3	1 40	26 19	8 42	23 7	23 1	14 27	7 11	1 5
F 20	21 20	21 28	2 2	25 35	2 6	23 18	0 30	11 25	0 41	7 18	1 11	14 36	2 24	8 10	0 46	4 4	1 41	26 19	8 41	23 7	23 1	14 25	7 10	1 5
S 21	21 30	18 39	3 9	25 30	1 59	23 28	0 32	11 39	0 41	7 22	1 11	14 35	2 24	8 10	0 46	4 4	1 41	26 19	8 41	23 7	23 1	14 23	7 9	1 5
S 22	21 40	14 44	4 4	25 23	1 52	23 37	0 35	11 53	0 41	7 26	1 11	14 34	2 23	8 9	0 46	4 5	1 41	26 18	8 41	23 7	23 1	14 21	7 9	1 5
M23	21 50	10 0	4 44	25 15	1 43	23 45	0 37	12 8	0 40	7 30	1 11	14 33	2 23	8 9	0 46	4 5	1 41	26 18	8 41	23 7	23 2	14 19	7 8	1 5
T 24	21 59	4 44	5 8	25 5	1 33	23 53	0 39	12 22	0 40	7 34	1 11	14 32	2 23	8 9	0 46	4 6	1 41	26 17	8 41	23 7	23 2	14 17	7 7	1 5
W25	22 8	0s44	5 12	24 54	1 22	24 0	0 42	12 35	0 39	7 38	1 11	14 31	2 23	8 8	0 46	4 6	1 41	26 17	8 41	23 8	23 2	14 16	7 7	1 5
T 26	22 17	6 7	4 58	24 42	1 10	24 6	0 44	12 49	0 39	7 42	1 11	14 30	2 23	8 8	0 46	4 7	1 41	26 17	8 41	23 8	23 3	14 14	7 6	1 4
F 27	22 25	11 9	4 27	24 28	0 56	24 12	0 46	13 3	0 38	7 46	1 11	14 29	2 23	8 8	0 46	4 7	1 41	26 16	8 40	23 8	23 3	14 12	7 6	1 4
S 28	22 32	15 34	3 41	24 13	0 41	24 16	0 48	13 17	0 38	7 49	1 11	14 28	2 22	8 8	0 46	4 8	1 41	26 16	8 40	23 9	23 3	14 10	7 5	1 4
S 29	22 40	19 7	2 44	23 56	0 25	24 20	0 50	13 30	0 37	7 53	1 12	14 27	2 22	8 8	0 46	4 8	1 41	26 15	8 40	23 9	23 3	14 8	7 4	1 4
M30	22s46	21s37	1n39	23s39	0s 7	24s24	0s52	13s44	0n37	7s57	1n12	14n26	2s22	8n 7	0n47	4s 9	1n41	26s15	8s40	23n 9	23n 4	14s 6	7n 4	1n 4

Julian Day Number = 2193630.5, Delta T = 10m34s
Ecliptic obliquity = 23°31'49, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'30, Lahiri = 14°00'31 Julian Calendar 1 Nov. 1293 == Greg. Calendar 8 Nov. 1293

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ASTRODIENST EPHEMERIS for the year 1293
geocentric

DECEMBER 1293 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 9 13	16♐50'23	4♉31	0°R 7	29♐53	8♏55	23♎24	15°R59	11♍10	14♎25	9♒38	10°D 1	11♋ 6	3♓29	15°R22	T 1
W 2	5 13 9	17°51'32	17° 2	29♐26	1♉ 8	9°36	23°34	15♉55	11°10	14°26	9°39	10♋ 1	11° 3	3°36	15♈21	W 2
T 3	5 17 6	18°52'42	29°19	28°34	2°24	10°16	23°44	15°51	11°11	14°27	9°40	10° 2	10°59	3°43	15°21	T 3
F 4	5 21 2	19°53'52	11♒24	27°32	3°39	10°56	23°53	15°48	11°11	14°29	9°41	10° 3	10°56	3°49	15°20	F 4
S 5	5 24 59	20°55'03	23°20	26°21	4°54	11°36	24° 3	15°44	11°11	14°30	9°43	10° 5	10°53	3°56	15°19	S 5
S 6	5 28 55	21°56'13	5♓11	25° 4	6° 9	12°17	24°13	15°40	11°12	14°31	9°44	10° 6	10°50	4° 3	15°18	S 6
M 7	5 32 52	22°57'23	17° 2	23°43	7°25	12°57	24°22	15°37	11°12	14°32	9°45	10° 7	10°47	4° 9	15°17	M 7
T 8	5 36 48	23°58'34	28°57	22°21	8°40	13°37	24°32	15°34	11°12	14°33	9°47	10°R 7	10°44	4°16	15°17	T 8
W 9	5 40 45	24°59'44	11♈ 3	21° 0	9°55	14°18	24°41	15°31	11°R12	14°34	9°48	10° 6	10°40	4°23	15°16	W 9
T 10	5 44 42	26° 0'54	23°22	19°43	11°10	14°58	24°50	15°27	11°12	14°35	9°49	10° 5	10°37	4°29	15°16	T 10
F 11	5 48 38	27° 2'05	6♉ 0	18°32	12°26	15°39	24°59	15°24	11°12	14°36	9°51	10° 3	10°34	4°36	15°15	F 11
S 12	5 52 35	28° 3'15	18°58	17°30	13°41	16°19	25° 8	15°21	11°12	14°37	9°52	10° 2	10°31	4°43	15°15	S 12
S 13	5 56 31	29° 4'25	2♊19	16°37	14°56	16°59	25°17	15°19	11°11	14°38	9°53	10° 0	10°28	4°50	15°14	S 13
M14	6 0 28	0♉ 5'36	16° 1	15°54	16°11	17°40	25°26	15°16	11°11	14°39	9°55	9°59	10°25	4°56	15°14	M14
T 15	6 4 24	1° 6'46	0♋ 3	15°21	17°26	18°20	25°35	15°13	11°11	14°39	9°56	9°58	10°21	5° 3	15°14	T 15
W16	6 8 21	2° 7'56	14°22	14°59	18°42	19° 1	25°43	15°11	11°10	14°40	9°58	9°D58	10°18	5°10	15°14	W16
T 17	6 12 17	3° 9'06	28°51	14°46	19°57	19°41	25°51	15° 8	11°10	14°41	9°59	9°58	10°15	5°16	15°14	T 17
F 18	6 16 14	4°10'16	13♌25	14°D43	21°12	20°22	26° 0	15° 6	11° 9	14°42	10° 1	9°59	10°12	5°23	15°14	F 18
S 19	6 20 11	5°11'27	27°58	14°49	22°27	21° 3	26° 8	15° 3	11° 9	14°43	10° 2	9°59	10° 9	5°30	15°D14	S 19
S 20	6 24 7	6°12'37	12♍26	15° 4	23°42	21°43	26°16	15° 1	11° 8	14°43	10° 4	10° 0	10° 5	5°36	15°14	S 20
M21	6 28 4	7°13'47	26°43	15°25	24°57	22°24	26°24	14°59	11° 8	14°44	10° 5	10° 0	10° 2	5°43	15°14	M21
T 22	6 32 0	8°14'58	10♎49	15°54	26°12	23° 4	26°31	14°57	11° 7	14°44	10° 7	10°R 0	9°59	5°50	15°14	T 22
W23	6 35 57	9°16'08	24°40	16°28	27°27	23°45	26°39	14°55	11° 6	14°45	10° 8	10° 0	9°56	5°57	15°14	W23
T 24	6 39 53	10°17'19	8♏18	17° 8	28°42	24°26	26°47	14°54	11° 5	14°46	10°10	10°D 0	9°53	6° 3	15°14	T 24
F 25	6 43 50	11°18'29	21°41	17°54	29°57	25° 7	26°54	14°52	11° 5	14°46	10°12	10° 0	9°50	6°10	15°15	F 25
S 26	6 47 46	12°19'39	4♐50	18°43	1♒12	25°47	27° 1	14°50	11° 4	14°47	10°13	10° 0	9°46	6°17	15°15	S 26
S 27	6 51 43	13°20'49	17°45	19°37	2°27	26°28	27° 8	14°49	11° 3	14°47	10°15	10° 1	9°43	6°23	15°16	S 27
M28	6 55 40	14°21'59	0♉28	20°34	3°43	27° 9	27°15	14°48	11° 2	14°47	10°16	10° 1	9°40	6°30	15°16	M28
T 29	6 59 36	15°23'08	12°59	21°34	4°58	27°50	27°22	14°47	11° 1	14°48	10°18	10°R 1	9°37	6°37	15°17	T 29
W30	7 3 33	16°24'17	25°18	22°37	6°12	28°31	27°28	14°45	10°59	14°48	10°20	10° 1	9°34	6°43	15°17	W30
T 31	7 7 29	17♉25'25	7♒27	23♐43	7♒27	29♏11	27♎35	14♉44	10♍58	14♎48	10♒21	10♋ 0	9♋31	6♓50	15♈18	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s53	22s57	0n30	23s20	0n11	24s26	0s54	13s57	0n36	8s 0	1n12	14n25	2s22	8n 7	0n47	4s 9	1n41	26s14	8s40	23n 9	23n 4	14s 4	7n 3	1n 4	
W 2	22 58	23 5	0s39	23 1	0 31	24 28	0 56	14 10	0 36	8 4	1 12	14 24	2 22	8 7	0 47	4 9	1 41	26 14	8 40	23 9	23 4	14 2	7 3	1 4	
T 3	23 4	22 4	1 45	22 40	0 51	24 29	0 58	14 24	0 35	8 8	1 12	14 23	2 21	8 7	0 47	4 10	1 41	26 13	8 40	23 9	23 4	14 0	7 2	1 4	
F 4	23 9	20 4	2 45	22 19	1 11	24 29	1 0	14 37	0 35	8 11	1 12	14 23	2 21	8 7	0 47	4 10	1 41	26 13	8 40	23 9	23 5	13 58	7 2	1 3	
S 5	23 13	17 12	3 37	21 58	1 31	24 29	1 2	14 50	0 34	8 15	1 12	14 22	2 21	8 7	0 47	4 11	1 41	26 13	8 39	23 9	23 5	13 56	7 1	1 3	
S 6	23 17	13 40	4 20	21 37	1 50	24 27	1 4	15 3	0 34	8 18	1 13	14 21	2 21	8 7	0 47	4 11	1 41	26 12	8 39	23 9	23 5	13 54	7 1	1 3	
M 7	23 21	9 36	4 51	21 16	2 7	24 25	1 6	15 15	0 33	8 21	1 13	14 20	2 20	8 7	0 47	4 11	1 41	26 12	8 39	23 9	23 5	13 52	7 1	1 3	
T 8	23 24	5 9	5 10	20 56	2 23	24 22	1 8	15 28	0 33	8 25	1 13	14 20	2 20	8 7	0 47	4 12	1 42	26 11	8 39	23 9	23 6	13 50	7 0	1 3	
W 9	23 26	0 28	5 16	20 37	2 37	24 19	1 9	15 41	0 32	8 28	1 13	14 19	2 20	8 7	0 47	4 12	1 42	26 11	8 39	23 9	23 6	13 48	7 0	1 3	
T 10	23 28	4n21	5 8	20 20	2 48	24 14	1 11	15 53	0 32	8 31	1 13	14 18	2 20	8 7	0 47	4 12	1 42	26 10	8 39	23 9	23 6	13 46	7 0	1 3	
F 11	23 30	9 5	4 45	20 6	2 57	24 9	1 13	16 5	0 31	8 34	1 13	14 18	2 19	8 7	0 47	4 13	1 42	26 10	8 39	23 9	23 6	13 44	6 59	1 2	
S 12	23 31	13 34	4 6	19 54	3 4	24 3	1 14	16 18	0 31	8 37	1 14	14 17	2 19	8 7	0 47	4 13	1 42	26 9	8 39	23 9	23 7	13 42	6 59	1 2	
S 13	23 32	17 32	3 14	19 44	3 8	23 57	1 16	16 30	0 30	8 41	1 14	14 16	2 19	8 7	0 47	4 13	1 42	26 9	8 39	23 9	23 7	13 40	6 59	1 2	
M14	23 32	20 39	2 9	19 38	3 10	23 50	1 17	16 42	0 29	8 44	1 14	14 16	2 19	8 7	0 47	4 14	1 42	26 8	8 39	23 9	23 7	13 38	6 59	1 2	
T 15	23 32	22 37	0 55	19 35	3 10	23 41	1 19	16 53	0 29	8 47	1 14	14 15	2 18	8 8	0 47	4 14	1 42	26 8	8 38	23 9	23 7	13 36	6 58	1 2	
W16	23 31	23 9	0n24	19 34	3 8	23 33	1 20	17 5	0 28	8 49	1 14	14 15	2 18	8 8	0 47	4 14	1 42	26 7	8 38	23 9	23 8	13 34	6 58	1 2	
T 17	23 30	22 9	1 43	19 36	3 5	23 23	1 22	17 17	0 28	8 52	1 14	14 14	2 18	8 8	0 47	4 14	1 42	26 7	8 38	23 9	23 8	13 32	6 58	1 2	
F 18	23 28	19 39	2 55	19 40	3 0	23 13	1 23	17 28	0 27	8 55	1 15	14 14	2 18	8 8	0 47	4 15	1 42	26 6	8 38	23 9	23 8	13 30	6 58	1 2	
S 19	23 26	15 55	3 56	19 46	2 55	23 2	1 24	17 40	0 27	8 58	1 15	14 13	2 17	8 8	0 47	4 15	1 42	26 6	8 38	23 9	23 8	13 28	6 58	1 1	
S 20	23 23	11 15	4 42	19 54	2 48	22 50	1 25	17 51	0 26	9 1	1 15	14 13	2 17	8 9	0 47	4 15	1 42	26 5	8 38	23 9	23 9	13 26	6 58	1 1	
M21	23 20	6 2	5 9	20 4	2 41	22 38	1 26	18 2	0 25	9 3	1 15	14 13	2 17	8 9	0 47	4 15	1 42	26 5	8 38	23 9	23 9	13 24	6 58	1 1	
T 22	23 16	0 34	5 17	20 14	2 33	22 25	1 27	18 13	0 25	9 6	1 15	14 12	2 17	8 9	0 47	4 15	1 42	26 4	8 38	23 9	23 9	13 22	6 57	1 1	
W23	23 12	4s50	5 7	20 26	2 25	22 12	1 28	18 24	0 24	9 9	1 15	14 12	2 16	8 10	0 47	4 16	1 42	26 4	8 38	23 9	23 9	13 20	6 57	1 1	
T 24	23 8	9 54	4 40	20 39	2 16	21 57	1 29	18 34	0 24	9 11	1 16	14 12	2 16	8 10	0 48	4 16	1 42	26 3	8 38	23 9	23 10	13 18	6 57	1 1	
F 25	23 3	14 26	3 57	20 52	2 7	21 42	1 30	18 45	0 23	9 14	1 16	14 12	2 16	8 10	0 48	4 16	1 43	26 3	8 38	23 9	23 10	13 16	6 57	1 1	
S 26	22 57	18 11	3 3	21 5	1 58	21 27	1 31	18 55	0 22	9 16	1 16	14 12	2 16	8 11	0 48	4 16	1 43	26 2	8 38	23 9	23 10	13 14	6 57	1 0	
S 27	22 51	20 58	2 0	21 19	1 49	21 10	1 32	19 5	0 22	9 18	1 16	14 11	2 15	8 11	0 48	4 16	1 43	26 2	8 38	23 9	23 10	13 12	6 58	1 0	
M28	22 45	22 39	0 53	21 32	1 40	20 54	1 32	19 15	0 21	9 21	1 16	14 11	2 15	8 12	0 48	4 16	1 43	26 1	8 38	23 9	23 11	13 10	6 58	1 0	
T 29	22 38	23 10	0s16	21 45	1 30	20 36	1 33	19 25	0 20	9 23	1 17	14 11	2 15	8 12	0 48	4 16	1 43	26 1	8 38	23 9	23 11	13 7	6 58	1 0	
W30	22 31	22 32	1 24	21 58	1 21	20 18	1 33	19 35	0 20	9 25	1 17	14 11	2 14	8 12	0 48	4 16	1 43	26 0	8 38	23 9	23 11	13 5	6 58	1 0	
T 31	22s23	20s50	2s26	22s11	1n12	19s59	1s34	19s45	0n19	9s27	1n17	14n11	2s14	8n13	0n48	4s16	1n43	26s 0	8s38	23n 9	23n11	13s 3	6n58	1n 0	

Julian Day Number = 2193660.5, Delta T = 10m34s
Ecliptic obliquity = 23°31'49, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'34, Lahiri = 14°00'35 Julian Calendar 1 Dec. 1293 == Greg. Calendar 8 Dec. 1293

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

JANUARY 1294 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	7 11 26	18♉26'32	19♒27	24♐51	8♒42	29♏52	27♎41	14°R44	10°R57	14♎49	10♒23	9°R59	9♋27	6♓57	15♈19	F 1
S 2	7 15 22	19°27'39	1♓22	26° 1	9°57	0♐33	27°47	14♉43	10♍56	14°49	10°25	9♋58	9°24	7° 4	15°20	S 2
S 3	7 19 19	20°28'44	13°12	27°13	11°12	1°14	27°53	14°42	10°54	14°49	10°26	9°56	9°21	7°10	15°21	S 3
M 4	7 23 15	21°29'49	25° 3	28°27	12°27	1°55	27°59	14°42	10°53	14°49	10°28	9°55	9°18	7°17	15°22	M 4
T 5	7 27 12	22°30'53	6♈57	29°43	13°42	2°36	28° 5	14°41	10°52	14°49	10°30	9°53	9°15	7°24	15°23	T 5
W 6	7 31 9	23°31'55	19° 0	1♉ 0	14°57	3°17	28°11	14°41	10°50	14°49	10°31	9°D53	9°11	7°30	15°24	W 6
T 7	7 35 5	24°32'57	1♉15	2°18	16°12	3°58	28°16	14°41	10°49	14°49	10°33	9°53	9° 8	7°37	15°25	T 7
F 8	7 39 2	25°33'57	13°48	3°38	17°26	4°39	28°21	14°D41	10°47	14°R49	10°35	9°54	9° 5	7°44	15°26	F 8
S 9	7 42 58	26°34'56	26°42	4°59	18°41	5°20	28°26	14°41	10°46	14°49	10°37	9°55	9° 2	7°50	15°27	S 9
S 10	7 46 55	27°35'54	10♊ 1	6°21	19°56	6° 1	28°31	14°41	10°44	14°49	10°38	9°56	8°59	7°57	15°28	S 10
M11	7 50 51	28°36'51	23°46	7°44	21°11	6°42	28°36	14°41	10°42	14°49	10°40	9°58	8°56	8° 4	15°30	M11
T 12	7 54 48	29°37'47	7♋57	9° 8	22°25	7°23	28°41	14°42	10°41	14°49	10°42	9°R58	8°52	8°11	15°31	T 12
W13	7 58 45	0♒38'41	22°31	10°33	23°40	8° 4	28°45	14°42	10°39	14°49	10°44	9°58	8°49	8°17	15°32	W13
T 14	8 2 41	1°39'35	7♌23	11°59	24°54	8°45	28°49	14°43	10°37	14°49	10°45	9°56	8°46	8°24	15°34	T 14
F 15	8 6 38	2°40'27	22°24	13°25	26° 9	9°26	28°53	14°43	10°35	14°49	10°47	9°54	8°43	8°31	15°35	F 15
S 16	8 10 34	3°41'18	7♍26	14°53	27°24	10° 7	28°57	14°44	10°33	14°48	10°49	9°50	8°40	8°37	15°37	S 16
S 17	8 14 31	4°42'08	22°19	16°22	28°38	10°48	29° 1	14°45	10°31	14°48	10°51	9°47	8°37	8°44	15°39	S 17
M18	8 18 27	5°42'57	6♎57	17°51	29°53	11°30	29° 4	14°46	10°29	14°48	10°52	9°44	8°33	8°51	15°40	M18
T 19	8 22 24	6°43'45	21°14	19°21	1♓ 7	12°11	29° 8	14°48	10°27	14°48	10°54	9°42	8°30	8°58	15°42	T 19
W20	8 26 20	7°44'33	5♏ 9	20°53	2°21	12°52	29°11	14°49	10°25	14°47	10°56	9°D41	8°27	9° 4	15°44	W20
T 21	8 30 17	8°45'19	18°40	22°24	3°36	13°33	29°14	14°50	10°23	14°47	10°58	9°41	8°24	9°11	15°46	T 21
F 22	8 34 14	9°46'04	1♐51	23°57	4°50	14°15	29°17	14°52	10°21	14°46	11° 0	9°43	8°21	9°18	15°48	F 22
S 23	8 38 10	10°46'48	14°43	25°31	6° 5	14°56	29°20	14°53	10°19	14°46	11° 1	9°44	8°17	9°24	15°50	S 23
S 24	8 42 7	11°47'32	27°20	27° 5	7°19	15°37	29°22	14°55	10°17	14°45	11° 3	9°46	8°14	9°31	15°52	S 24
M25	8 46 3	12°48'13	9♉44	28°40	8°33	16°18	29°24	14°57	10°15	14°45	11° 5	9°R46	8°11	9°38	15°54	M25
T 26	8 50 0	13°48'54	21°58	0♒16	9°47	17° 0	29°26	14°59	10°12	14°44	11° 7	9°46	8° 8	9°44	15°56	T 26
W27	8 53 56	14°49'33	4♒ 4	1°53	11° 2	17°41	29°28	15° 1	10°10	14°44	11° 8	9°43	8° 5	9°51	15°58	W27
T 28	8 57 53	15°50'11	16° 3	3°31	12°16	18°22	29°30	15° 3	10° 8	14°43	11°10	9°39	8° 2	9°58	16° 0	T 28
F 29	9 1 49	16°50'47	27°58	5°10	13°30	19° 4	29°32	15° 6	10° 6	14°42	11°12	9°33	7°58	10° 5	16° 2	F 29
S 30	9 5 46	17°51'22	9♓50	6°49	14°44	19°45	29°33	15° 8	10° 3	14°42	11°14	9°25	7°55	10°11	16° 5	S 30
S 31	9 9 43	18♒51'55	21♓41	8♒29	15♓58	20♐27	29♎34	15♉10	10♍ 1	14♎41	11♒15	9♋17	7♋52	10♓18	16♈ 7	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22s15	18s14	3s22	22s23	1n 3	19s40	1s34	19s54	0n18	9s29	1n17	14n11	2s14	8n13	0n48	4s17	1n43	25s59	8s38	23n 9	23n12	13s 1	6n58	1n 0
S 2	22 7	14 53	4 8	22 35	0 53	19 20	1 35	20 3	0 18	9 31	1 17	14 11	2 13	8 14	0 48	4 17	1 43	25 59	8 38	23 9	23 12	12 59	6 58	1 0
S 3	21 58	10 58	4 43	22 46	0 44	19 0	1 35	20 12	0 17	9 33	1 18	14 11	2 13	8 15	0 48	4 17	1 43	25 58	8 38	23 9	23 12	12 57	6 59	0 59
M 4	21 48	6 39	5 6	22 56	0 35	18 39	1 35	20 21	0 16	9 35	1 18	14 11	2 13	8 15	0 48	4 17	1 43	25 58	8 37	23 10	23 12	12 55	6 59	0 59
T 5	21 39	2 4	5 16	23 5	0 27	18 18	1 35	20 30	0 16	9 37	1 18	14 12	2 13	8 16	0 48	4 17	1 43	25 57	8 37	23 10	23 12	12 53	6 59	0 59
W 6	21 28	2n39	5 12	23 14	0 18	17 56	1 35	20 39	0 15	9 39	1 18	14 12	2 12	8 16	0 48	4 17	1 43	25 57	8 37	23 10	23 13	12 51	6 59	0 59
T 7	21 18	7 21	4 55	23 21	0 10	17 33	1 35	20 47	0 14	9 41	1 18	14 12	2 12	8 17	0 48	4 16	1 43	25 56	8 37	23 10	23 13	12 49	7 0	0 59
F 8	21 7	11 51	4 23	23 28	0 1	17 10	1 35	20 56	0 14	9 42	1 19	14 12	2 12	8 17	0 48	4 16	1 43	25 56	8 37	23 10	23 13	12 47	7 0	0 59
S 9	20 55	15 58	3 37	23 33	0s 7	16 47	1 35	21 4	0 13	9 44	1 19	14 13	2 11	8 18	0 48	4 16	1 43	25 55	8 37	23 9	23 13	12 44	7 0	0 59
S 10	20 43	19 26	2 38	23 37	0 15	16 23	1 35	21 12	0 12	9 46	1 19	14 13	2 11	8 19	0 48	4 16	1 44	25 55	8 37	23 9	23 14	12 42	7 1	0 58
M11	20 31	21 55	1 28	23 41	0 22	15 59	1 34	21 19	0 11	9 47	1 19	14 13	2 11	8 19	0 48	4 16	1 44	25 54	8 37	23 9	23 14	12 40	7 1	0 58
T 12	20 18	23 6	0 11	23 43	0 30	15 34	1 34	21 27	0 11	9 49	1 19	14 14	2 11	8 20	0 48	4 16	1 44	25 54	8 37	23 9	23 14	12 38	7 2	0 58
W13	20 5	22 46	1n 9	23 44	0 37	15 9	1 33	21 34	0 10	9 50	1 20	14 14	2 10	8 21	0 48	4 16	1 44	25 53	8 38	23 9	23 14	12 36	7 2	0 58
T 14	19 52	20 50	2 25	23 43	0 44	14 44	1 33	21 42	0 9	9 51	1 20	14 15	2 10	8 22	0 48	4 16	1 44	25 53	8 38	23 9	23 14	12 34	7 2	0 58
F 15	19 38	17 27	3 33	23 42	0 51	14 18	1 32	21 49	0 8	9 52	1 20	14 15	2 10	8 22	0 48	4 16	1 44	25 52	8 38	23 10	23 15	12 32	7 3	0 58
S 16	19 24	12 55	4 25	23 39	0 58	13 51	1 32	21 56	0 8	9 54	1 20	14 16	2 9	8 23	0 48	4 16	1 44	25 52	8 38	23 10	23 15	12 30	7 3	0 58
S 17	19 10	7 39	5 0	23 35	1 4	13 25	1 31	22 2	0 7	9 55	1 20	14 16	2 9	8 24	0 48	4 15	1 44	25 51	8 38	23 10	23 15	12 27	7 4	0 58
M18	18 55	2 2	5 14	23 29	1 10	12 58	1 30	22 9	0 6	9 56	1 21	14 17	2 9	8 25	0 48	4 15	1 44	25 51	8 38	23 10	23 15	12 25	7 4	0 57
T 19	18 40	3s33	5 8	23 23	1 16	12 30	1 29	22 15	0 5	9 57	1 21	14 17	2 8	8 25	0 48	4 15	1 44	25 50	8 38	23 10	23 15	12 23	7 5	0 57
W20	18 24	8 50	4 44	23 14	1 21	12 3	1 28	22 21	0 5	9 58	1 21	14 18	2 8	8 26	0 48	4 15	1 44	25 50	8 38	23 11	23 16	12 21	7 6	0 57
T 21	18 8	13 32	4 4	23 5	1 27	11 35	1 27	22 27	0 4	9 59	1 21	14 19	2 8	8 27	0 48	4 15	1 44	25 50	8 38	23 11	23 16	12 19	7 6	0 57
F 22	17 52	17 28	3 13	22 54	1 31	11 6	1 26	22 33	0 3	9 59	1 22	14 19	2 8	8 28	0 49	4 14	1 44	25 49	8 38	23 10	23 16	12 17	7 7	0 57
S 23	17 36	20 27	2 13	22 42	1 36	10 38	1 25	22 38	0 2	10 0	1 22	14 20	2 7	8 29	0 49	4 14	1 44	25 49	8 38	23 10	23 16	12 15	7 8	0 57
S 24	17 19	22 23	1 8	22 28	1 40	10 9	1 24	22 44	0 1	10 1	1 22	14 21	2 7	8 29	0 49	4 14	1 44	25 48	8 38	23 10	23 16	12 12	7 8	0 57
M25	17 2	23 10	0 0	22 13	1 45	9 40	1 22	22 49	0 0	10 1	1 22	14 22	2 7	8 30	0 49	4 14	1 44	25 48	8 38	23 10	23 17	12 10	7 9	0 57
T 26	16 45	22 49	1s 6	21 56	1 48	9 11	1 21	22 54	0s 0	10 2	1 22	14 23	2 6	8 31	0 49	4 13	1 45	25 47	8 38	23 10	23 17	12 8	7 10	0 57
W27	16 27	21 24	2 9	21 38	1 52	8 41	1 20	22 59	0 1	10 2	1 23	14 24	2 6	8 32	0 49	4 13	1 45	25 47	8 38	23 10	23 17	12 6	7 10	0 56
T 28	16 9	19 1	3 5	21 18	1 55	8 11	1 18	23 3	0 2	10 3	1 23	14 25	2 6	8 33	0 49	4 13	1 45	25 46	8 38	23 11	23 17	12 4	7 11	0 56
F 29	15 51	15 51	3 52	20 57	1 57	7 41	1 16	23 8	0 3	10 3	1 23	14 25	2 6	8 34	0 49	4 12	1 45	25 46	8 38	23 11	23 17	12 2	7 12	0 56
S 30	15 32	12 4	4 29	20 34	2 0	7 11	1 15	23 12	0 4	10 3	1 23	14 26	2 5	8 35	0 49	4 12	1 45	25 46	8 38	23 12	23 18	11 59	7 13	0 56
S 31	15s14	7s49	4s55	20s10	2s 2	6s41	1s13	23s16	0s 5	10s 4	1n24	14n27	2s 5	8n36	0n49	4s12	1n45	25s45	8s38	23n12	23n18	11s57	7n13	0n56

Julian Day Number = 2193691.5, Delta T = 10m33s
Ecliptic obliquity = 23°31'49, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'39, Lahiri = 14°00'39 Julian Calendar 1 Jan. 1294 == Greg. Calendar 8 Jan. 1294

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

FEBRUARY 1294 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	9 13 39	19♒52'26	3♈33	10♒11	17♓12	21♐ 8	29♎35	15♉13	9°R58	14°R40	11♒17	9°R10	7♋49	10♓25	16♈ 9	M 1
T 2	9 17 36	20°52'55	15°28	11°53	18°26	21°49	29°36	15°16	9♍56	14♎39	11°19	9♋ 3	7°46	10°31	16°12	T 2
W 3	9 21 32	21°53'22	27°30	13°36	19°40	22°31	29°37	15°19	9°54	14°38	11°21	8°58	7°43	10°38	16°14	W 3
T 4	9 25 29	22°53'48	9♉43	15°20	20°54	23°12	29°37	15°21	9°51	14°38	11°23	8°55	7°39	10°45	16°17	T 4
F 5	9 29 25	23°54'12	22°10	17° 5	22° 8	23°54	29°37	15°24	9°49	14°37	11°24	8°D54	7°36	10°52	16°19	F 5
S 6	9 33 22	24°54'33	4♊57	18°51	23°21	24°35	29°R37	15°28	9°46	14°36	11°26	8°55	7°33	10°58	16°22	S 6
S 7	9 37 18	25°54'53	18° 7	20°38	24°35	25°17	29°37	15°31	9°44	14°35	11°28	8°56	7°30	11° 5	16°24	S 7
M 8	9 41 15	26°55'11	1♋44	22°26	25°49	25°58	29°37	15°34	9°41	14°34	11°29	8°R57	7°27	11°12	16°27	M 8
T 9	9 45 11	27°55'27	15°50	24°15	27° 2	26°40	29°36	15°38	9°39	14°33	11°31	8°57	7°23	11°18	16°30	T 9
W10	9 49 8	28°55'40	0♌23	26° 5	28°16	27°21	29°36	15°41	9°36	14°32	11°33	8°55	7°20	11°25	16°32	W10
T 11	9 53 5	29°55'52	15°20	27°56	29°29	28° 3	29°35	15°45	9°34	14°31	11°35	8°51	7°17	11°32	16°35	T 11
F 12	9 57 1	0♓56'02	0♍33	29°48	0♈43	28°44	29°34	15°48	9°31	14°30	11°36	8°45	7°14	11°38	16°38	F 12
S 13	10 0 58	1°56'09	15°53	1♓41	1°56	29°26	29°32	15°52	9°28	14°29	11°38	8°37	7°11	11°45	16°41	S 13
S 14	10 4 54	2°56'15	1♎ 7	3°34	3° 9	0♑ 8	29°31	15°56	9°26	14°28	11°40	8°28	7° 8	11°52	16°44	S 14
M15	10 8 51	3°56'20	16° 5	5°29	4°23	0°49	29°29	16° 0	9°23	14°27	11°41	8°20	7° 4	11°59	16°47	M15
T 16	10 12 47	4°56'22	0♏39	7°24	5°36	1°31	29°27	16° 4	9°21	14°25	11°43	8°14	7° 1	12° 5	16°50	T 16
W17	10 16 44	5°56'23	14°46	9°20	6°49	2°13	29°25	16° 8	9°18	14°24	11°45	8°10	6°58	12°12	16°53	W17
T 18	10 20 40	6°56'23	28°24	11°17	8° 2	2°54	29°23	16°13	9°15	14°23	11°46	8° 8	6°55	12°19	16°56	T 18
F 19	10 24 37	7°56'21	11♐35	13°14	9°15	3°36	29°21	16°17	9°13	14°22	11°48	8°D 7	6°52	12°25	16°59	F 19
S 20	10 28 34	8°56'17	24°23	15°12	10°28	4°18	29°18	16°21	9°10	14°21	11°50	8° 8	6°49	12°32	17° 2	S 20
S 21	10 32 30	9°56'11	6♑51	17° 9	11°41	4°59	29°16	16°26	9° 8	14°19	11°51	8°R 8	6°45	12°39	17° 5	S 21
M22	10 36 27	10°56'04	19° 5	19° 7	12°54	5°41	29°13	16°31	9° 5	14°18	11°53	8° 8	6°42	12°46	17° 8	M22
T 23	10 40 23	11°55'55	1♒ 8	21° 4	14° 7	6°23	29°10	16°35	9° 2	14°17	11°54	8° 5	6°39	12°52	17°11	T 23
W24	10 44 20	12°55'44	13° 5	23° 1	15°20	7° 4	29° 6	16°40	9° 0	14°15	11°56	8° 0	6°36	12°59	17°14	W24
T 25	10 48 16	13°55'31	24°57	24°57	16°32	7°46	29° 3	16°45	8°57	14°14	11°57	7°52	6°33	13° 6	17°18	T 25
F 26	10 52 13	14°55'17	6♓48	26°51	17°45	8°28	28°59	16°50	8°54	14°13	11°59	7°41	6°29	13°12	17°21	F 26
S 27	10 56 9	15°55'00	18°39	28°44	18°57	9°10	28°55	16°55	8°52	14°11	12° 1	7°28	6°26	13°19	17°24	S 27
S 28	11 0 6	16♓54'41	0♈32	0♈35	20♈10	9♑51	28♎51	17♉ 0	8♍49	14♎10	12♒ 2	7♋15	6♋23	13♓26	17♈28	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	14s55	3s17	5s 8	19s44	2s 3	6s10	1s11	23s20	0s 6	10s 4	1n24	14n28	2s 5	8n37	0n49	4s11	1n45	25s45	8s39	23n13	23n18	11s55	7n14	0n56
T 2	14 35	1n23	5 7	19 17	2 5	5 39	1 9	23 23	0 6	10 4	1 24	14 30	2 4	8 38	0 49	4 11	1 45	25 44	8 39	23 13	23 18	11 53	7 15	0 56
W 3	14 16	6 4	4 53	18 48	2 5	5 8	1 7	23 26	0 7	10 4	1 24	14 31	2 4	8 38	0 49	4 11	1 45	25 44	8 39	23 14	23 18	11 51	7 16	0 56
T 4	13 56	10 34	4 26	18 18	2 6	4 37	1 5	23 30	0 8	10 4	1 24	14 32	2 4	8 39	0 49	4 10	1 45	25 43	8 39	23 14	23 19	11 48	7 17	0 55
F 5	13 36	14 45	3 46	17 46	2 6	4 6	1 3	23 33	0 9	10 4	1 25	14 33	2 4	8 40	0 49	4 10	1 45	25 43	8 39	23 14	23 19	11 46	7 18	0 55
S 6	13 16	18 22	2 53	17 13	2 5	3 35	1 1	23 35	0 10	10 3	1 25	14 34	2 3	8 41	0 49	4 10	1 45	25 43	8 39	23 14	23 19	11 44	7 18	0 55
S 7	12 56	21 10	1 50	16 38	2 4	3 4	0 59	23 38	0 11	10 3	1 25	14 35	2 3	8 42	0 49	4 9	1 45	25 42	8 39	23 14	23 19	11 42	7 19	0 55
M 8	12 35	22 52	0 39	16 1	2 3	2 32	0 57	23 40	0 12	10 3	1 25	14 36	2 3	8 43	0 49	4 9	1 45	25 42	8 39	23 14	23 19	11 40	7 20	0 55
T 9	12 14	23 12	0n37	15 23	2 1	2 1	0 55	23 42	0 13	10 3	1 26	14 38	2 2	8 44	0 49	4 8	1 45	25 41	8 39	23 14	23 19	11 37	7 21	0 55
W10	11 53	21 59	1 53	14 44	1 58	1 30	0 52	23 44	0 14	10 2	1 26	14 39	2 2	8 45	0 49	4 8	1 45	25 41	8 40	23 14	23 20	11 35	7 22	0 55
T 11	11 32	19 12	3 3	14 3	1 56	0 58	0 50	23 46	0 15	10 2	1 26	14 40	2 2	8 46	0 49	4 7	1 45	25 41	8 40	23 14	23 20	11 33	7 23	0 55
F 12	11 11	15 4	4 1	13 20	1 52	0 26	0 47	23 47	0 16	10 1	1 26	14 42	2 2	8 47	0 49	4 7	1 45	25 40	8 40	23 14	23 20	11 31	7 24	0 55
S 13	10 50	9 55	4 42	12 36	1 48	0n 5	0 45	23 49	0 17	10 0	1 26	14 43	2 1	8 48	0 49	4 7	1 45	25 40	8 40	23 15	23 20	11 28	7 25	0 54
S 14	10 28	4 11	5 3	11 51	1 44	0 37	0 42	23 50	0 18	10 0	1 27	14 44	2 1	8 49	0 49	4 6	1 46	25 40	8 40	23 16	23 20	11 26	7 26	0 54
M15	10 6	1s41	5 3	11 4	1 38	1 8	0 40	23 50	0 19	9 59	1 27	14 46	2 1	8 50	0 49	4 6	1 46	25 39	8 40	23 16	23 20	11 24	7 27	0 54
T 16	9 44	7 20	4 43	10 15	1 33	1 40	0 37	23 51	0 20	9 58	1 27	14 47	2 1	8 51	0 49	4 5	1 46	25 39	8 40	23 16	23 21	11 22	7 28	0 54
W17	9 22	12 25	4 6	9 26	1 27	2 11	0 34	23 51	0 21	9 57	1 27	14 49	2 0	8 52	0 49	4 5	1 46	25 39	8 40	23 17	23 21	11 19	7 29	0 54
T 18	9 0	16 42	3 16	8 35	1 20	2 43	0 32	23 52	0 22	9 56	1 27	14 50	2 0	8 53	0 49	4 4	1 46	25 38	8 41	23 17	23 21	11 17	7 30	0 54
F 19	8 37	20 0	2 17	7 43	1 12	3 14	0 29	23 52	0 23	9 55	1 28	14 52	2 0	8 54	0 49	4 4	1 46	25 38	8 41	23 17	23 21	11 15	7 31	0 54
S 20	8 15	22 12	1 13	6 50	1 4	3 46	0 26	23 51	0 24	9 54	1 28	14 53	2 0	8 55	0 49	4 3	1 46	25 38	8 41	23 17	23 21	11 13	7 32	0 54
S 21	7 52	23 14	0 7	5 57	0 56	4 17	0 23	23 51	0 25	9 53	1 28	14 55	1 59	8 56	0 49	4 3	1 46	25 37	8 41	23 17	23 21	11 10	7 34	0 54
M22	7 30	23 8	0s58	5 2	0 46	4 48	0 20	23 50	0 26	9 52	1 28	14 56	1 59	8 57	0 49	4 2	1 46	25 37	8 41	23 17	23 22	11 8	7 35	0 54
T 23	7 7	21 55	1 59	4 7	0 37	5 19	0 17	23 50	0 27	9 50	1 28	14 58	1 59	8 58	0 49	4 1	1 46	25 37	8 41	23 17	23 22	11 6	7 36	0 53
W24	6 44	19 45	2 55	3 11	0 26	5 50	0 14	23 48	0 28	9 49	1 29	14 59	1 59	8 59	0 49	4 1	1 46	25 36	8 42	23 17	23 22	11 4	7 37	0 53
T 25	6 21	16 44	3 42	2 15	0 15	6 21	0 11	23 47	0 29	9 48	1 29	15 1	1 58	9 0	0 49	4 0	1 46	25 36	8 42	23 18	23 22	11 1	7 38	0 53
F 26	5 58	13 3	4 19	1 19	0 4	6 52	0 8	23 46	0 30	9 46	1 29	15 3	1 58	9 1	0 49	4 0	1 46	25 36	8 42	23 18	23 22	10 59	7 39	0 53
S 27	5 35	8 53	4 45	0 23	0n 7	7 23	0 5	23 44	0 31	9 45	1 29	15 4	1 58	9 2	0 49	3 59	1 46	25 36	8 42	23 19	23 22	10 57	7 40	0 53
S 28	5s11	4s21	4s59	0n32	0n20	7n53	0s 2	23s42	0s32	9s43	1n29	15n 6	1s58	9n 3	0n49	3s59	1n46	25s35	8s42	23n20	23n23	10s54	7n42	0n53

Julian Day Number = 2193722.5, Delta T = 10m33s
Ecliptic obliquity = 23°31'50, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'43, Lahiri = 14°00'43 Julian Calendar 1 Feb. 1294 == Greg. Calendar 8 Feb. 1294

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

MARCH 1294 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	11 4 3	17♓54'20	12♈28	2♈23	21♈22	10♉33	28°R47	17♉ 5	8°R47	14°R 8	12♒ 4	7°R 2	6♋20	13♓33	17♈31	M 1
T 2	11 7 59	18°53'57	24°28	4° 8	22°35	11°15	28♎43	17°10	8♍44	14♎ 7	12° 5	6♋50	6°17	13°39	17°34	T 2
W 3	11 11 56	19°53'32	6♉35	5°50	23°47	11°57	28°39	17°16	8°42	14° 6	12° 7	6°40	6°14	13°46	17°38	W 3
T 4	11 15 52	20°53'04	18°50	7°28	24°59	12°38	28°34	17°21	8°39	14° 4	12° 8	6°33	6°10	13°53	17°41	T 4
F 5	11 19 49	21°52'35	1♊18	9° 2	26°11	13°20	28°29	17°27	8°37	14° 3	12° 9	6°29	6° 7	13°59	17°45	F 5
S 6	11 23 45	22°52'03	14° 2	10°31	27°23	14° 2	28°24	17°32	8°34	14° 1	12°11	6°28	6° 4	14° 6	17°48	S 6
S 7	11 27 42	23°51'28	27° 6	11°54	28°35	14°44	28°19	17°38	8°31	14° 0	12°12	6°D27	6° 1	14°13	17°51	S 7
M 8	11 31 38	24°50'52	10♋33	13°12	29°47	15°26	28°14	17°44	8°29	13°58	12°14	6°R27	5°58	14°20	17°55	M 8
T 9	11 35 35	25°50'13	24°27	14°25	0♌59	16° 7	28° 9	17°49	8°27	13°57	12°15	6°26	5°54	14°26	17°58	T 9
W10	11 39 32	26°49'31	8♌49	15°31	2°10	16°49	28° 3	17°55	8°24	13°55	12°16	6°23	5°51	14°33	18° 2	W10
T 11	11 43 28	27°48'47	23°35	16°30	3°22	17°31	27°57	18° 1	8°22	13°53	12°18	6°18	5°48	14°40	18° 6	T 11
F 12	11 47 25	28°48'01	8♍42	17°23	4°33	18°13	27°52	18° 7	8°19	13°52	12°19	6°10	5°45	14°46	18° 9	F 12
S 13	11 51 21	29°47'13	24° 0	18° 9	5°45	18°55	27°46	18°13	8°17	13°50	12°20	5°59	5°42	14°53	18°13	S 13
S 14	11 55 18	0♈46'22	9♎17	18°48	6°56	19°36	27°40	18°19	8°15	13°49	12°22	5°48	5°39	15° 0	18°16	S 14
M15	11 59 14	1°45'30	24°24	19°20	8° 7	20°18	27°34	18°25	8°12	13°47	12°23	5°37	5°35	15° 7	18°20	M15
T 16	12 3 11	2°44'35	9♏ 9	19°45	9°19	21° 0	27°27	18°32	8°10	13°46	12°24	5°28	5°32	15°13	18°24	T 16
W17	12 7 7	3°43'39	23°26	20° 3	10°30	21°42	27°21	18°38	8° 8	13°44	12°25	5°21	5°29	15°20	18°27	W17
T 18	12 11 4	4°42'41	7♐14	20°13	11°40	22°24	27°14	18°44	8° 5	13°42	12°27	5°17	5°26	15°27	18°31	T 18
F 19	12 15 0	5°41'41	20°32	20°R17	12°51	23° 5	27° 8	18°51	8° 3	13°41	12°28	5°15	5°23	15°33	18°35	F 19
S 20	12 18 57	6°40'40	3♑23	20°14	14° 2	23°47	27° 1	18°57	8° 1	13°39	12°29	5°15	5°20	15°40	18°38	S 20
S 21	12 22 54	7°39'36	15°52	20° 4	15°13	24°29	26°54	19° 4	7°59	13°37	12°30	5°15	5°16	15°47	18°42	S 21
M22	12 26 50	8°38'31	28° 4	19°48	16°23	25°11	26°48	19°10	7°57	13°36	12°31	5°14	5°13	15°54	18°46	M22
T 23	12 30 47	9°37'24	10♒ 5	19°27	17°34	25°53	26°41	19°17	7°54	13°34	12°32	5°11	5°10	16° 0	18°49	T 23
W24	12 34 43	10°36'16	21°58	19° 0	18°44	26°34	26°34	19°23	7°52	13°32	12°33	5° 5	5° 7	16° 7	18°53	W24
T 25	12 38 40	11°35'05	3♓48	18°29	19°54	27°16	26°26	19°30	7°50	13°31	12°35	4°57	5° 4	16°14	18°57	T 25
F 26	12 42 36	12°33'52	15°38	17°53	21° 5	27°58	26°19	19°37	7°48	13°29	12°36	4°46	5° 0	16°20	19° 0	F 26
S 27	12 46 33	13°32'38	27°31	17°15	22°15	28°40	26°12	19°44	7°46	13°28	12°37	4°33	4°57	16°27	19° 4	S 27
S 28	12 50 29	14°31'22	9♈28	16°34	23°24	29°21	26° 5	19°51	7°44	13°26	12°38	4°19	4°54	16°34	19° 8	S 28
M29	12 54 26	15°30'03	21°30	15°51	24°34	0♒ 3	25°57	19°57	7°42	13°24	12°39	4° 5	4°51	16°41	19°12	M29
T 30	12 58 23	16°28'43	3♉40	15° 8	25°44	0°45	25°50	20° 4	7°41	13°23	12°40	3°52	4°48	16°47	19°15	T 30
W31	13 2 19	17♈27'21	15♉57	14♈24	26♉54	1♒27	25♎42	20♉11	7♍39	13♎21	12♒40	3♋42	4♋45	16♓54	19♈19	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	4s48	0n21	5s 0	1n26	0n32	8n23	0n 1	23s40	0s33	9s42	1n29	15n 8	1s57	9n 4	0n49	3s58	1n46	25s35	8s43	23n21	23n23	10s52	7n43	0n53
T 2	4 25	5 4	4 47	2 20	0 44	8 53	0 5	23 38	0 35	9 40	1 30	15 9	1 57	9 5	0 49	3 57	1 46	25 35	8 43	23 21	23 23	10 50	7 44	0 53
W 3	4 1	9 39	4 22	3 12	0 57	9 23	0 8	23 35	0 36	9 38	1 30	15 11	1 57	9 6	0 49	3 57	1 46	25 35	8 43	23 22	23 23	10 48	7 45	0 53
T 4	3 38	13 54	3 44	4 2	1 10	9 53	0 11	23 32	0 37	9 36	1 30	15 13	1 57	9 7	0 49	3 56	1 46	25 34	8 43	23 22	23 23	10 45	7 47	0 53
F 5	3 14	17 39	2 55	4 51	1 22	10 22	0 14	23 29	0 38	9 35	1 30	15 14	1 56	9 8	0 49	3 56	1 46	25 34	8 43	23 22	23 23	10 43	7 48	0 52
S 6	2 50	20 39	1 56	5 38	1 35	10 51	0 18	23 26	0 39	9 33	1 30	15 16	1 56	9 9	0 49	3 55	1 46	25 34	8 44	23 22	23 23	10 41	7 49	0 52
S 7	2 27	22 41	0 49	6 22	1 47	11 20	0 21	23 23	0 40	9 31	1 30	15 18	1 56	9 10	0 49	3 54	1 46	25 34	8 44	23 22	23 24	10 38	7 50	0 52
M 8	2 3	23 28	0n22	7 4	1 59	11 49	0 24	23 19	0 41	9 29	1 30	15 20	1 56	9 10	0 49	3 54	1 46	25 33	8 44	23 22	23 24	10 36	7 51	0 52
T 9	1 40	22 51	1 34	7 42	2 10	12 17	0 28	23 16	0 43	9 27	1 31	15 22	1 56	9 11	0 49	3 53	1 46	25 33	8 44	23 22	23 24	10 34	7 53	0 52
W10	1 16	20 44	2 42	8 18	2 21	12 46	0 31	23 12	0 44	9 25	1 31	15 23	1 55	9 12	0 49	3 53	1 46	25 33	8 44	23 23	23 24	10 31	7 54	0 52
T 11	0 52	17 11	3 42	8 51	2 32	13 13	0 34	23 7	0 45	9 22	1 31	15 25	1 55	9 13	0 49	3 52	1 46	25 33	8 45	23 23	23 24	10 29	7 55	0 52
F 12	0 29	12 27	4 27	9 20	2 41	13 41	0 38	23 3	0 46	9 20	1 31	15 27	1 55	9 14	0 49	3 51	1 46	25 33	8 45	23 23	23 24	10 27	7 57	0 52
S 13	0 5	6 53	4 54	9 45	2 50	14 8	0 41	22 58	0 47	9 18	1 31	15 29	1 55	9 15	0 49	3 51	1 46	25 32	8 45	23 24	23 24	10 24	7 58	0 52
S 14	0n19	0 54	5 0	10 7	2 57	14 35	0 45	22 54	0 49	9 16	1 31	15 31	1 55	9 16	0 49	3 50	1 46	25 32	8 45	23 24	23 25	10 22	7 59	0 52
M15	0 42	5s 5	4 45	10 26	3 4	15 1	0 48	22 49	0 50	9 13	1 31	15 33	1 54	9 17	0 49	3 49	1 46	25 32	8 46	23 25	23 25	10 20	8 0	0 52
T 16	1 6	10 38	4 11	10 40	3 9	15 28	0 51	22 43	0 51	9 11	1 31	15 35	1 54	9 18	0 49	3 49	1 46	25 32	8 46	23 25	23 25	10 17	8 2	0 52
W17	1 29	15 27	3 22	10 51	3 13	15 53	0 55	22 38	0 52	9 9	1 31	15 37	1 54	9 18	0 49	3 48	1 46	25 32	8 46	23 25	23 25	10 15	8 3	0 51
T 18	1 53	19 16	2 22	10 58	3 16	16 19	0 58	22 33	0 54	9 6	1 32	15 38	1 54	9 19	0 49	3 48	1 47	25 32	8 46	23 25	23 25	10 13	8 4	0 51
F 19	2 16	21 55	1 17	11 0	3 18	16 44	1 1	22 27	0 55	9 4	1 32	15 40	1 54	9 20	0 49	3 47	1 47	25 32	8 46	23 26	23 25	10 10	8 6	0 51
S 20	2 40	23 19	0 10	10 59	3 18	17 8	1 5	22 21	0 56	9 1	1 32	15 42	1 53	9 21	0 49	3 46	1 47	25 32	8 47	23 26	23 25	10 8	8 7	0 51
S 21	3 3	23 30	0s56	10 54	3 16	17 33	1 8	22 15	0 57	8 59	1 32	15 44	1 53	9 22	0 49	3 46	1 47	25 31	8 47	23 26	23 26	10 6	8 8	0 51
M22	3 26	22 33	1 57	10 45	3 13	17 57	1 11	22 8	0 59	8 56	1 32	15 46	1 53	9 22	0 49	3 45	1 47	25 31	8 47	23 26	23 26	10 3	8 10	0 51
T 23	3 50	20 34	2 53	10 33	3 9	18 20	1 15	22 2	1 0	8 54	1 32	15 48	1 53	9 23	0 49	3 44	1 47	25 31	8 47	23 26	23 26	10 1	8 11	0 51
W24	4 13	17 42	3 40	10 17	3 3	18 43	1 18	21 55	1 1	8 51	1 32	15 50	1 53	9 24	0 49	3 44	1 47	25 31	8 48	23 26	23 26	9 59	8 12	0 51
T 25	4 36	14 9	4 17	9 58	2 55	19 5	1 21	21 48	1 3	8 49	1 32	15 52	1 52	9 25	0 49	3 43	1 47	25 31	8 48	23 26	23 26	9 56	8 14	0 51
F 26	4 59	10 2	4 44	9 36	2 46	19 27	1 25	21 41	1 4	8 46	1 32	15 54	1 52	9 25	0 48	3 42	1 47	25 31	8 48	23 27	23 26	9 54	8 15	0 51
S 27	5 22	5 32	4 58	9 11	2 35	19 49	1 28	21 34	1 5	8 43	1 32	15 56	1 52	9 26	0 48	3 42	1 47	25 31	8 48	23 27	23 26	9 51	8 17	0 51
S 28	5 45	0 49	4 59	8 44	2 23	20 10	1 31	21 27	1 7	8 41	1 32	15 58	1 52	9 27	0 48	3 41	1 47	25 31	8 49	23 28	23 26	9 49	8 18	0 51
M29	6 7	3n59	4 46	8 16	2 10	20 30	1 34	21 19	1 8	8 38	1 32	16 0	1 52	9 28	0 48	3 40	1 47	25 31	8 49	23 28	23 26	9 47	8 19	0 50
T 30	6 30	8 42	4 21	7 46	1 56	20 50	1 37	21 12	1 9	8 35	1 32	16 2	1 52	9 28	0 48	3 40	1 47	25 31	8 49	23 28	23 27	9 44	8 21	0 50
W31	6n53	13n 7	3s43	7n15	1n41	21n10	1n40	21s 4	1s11	8s32	1n32	16n 4	1s52	9n29	0n48	3s39	1n47	25s31	8s50	23n29	23n27	9s42	8n22	0n50

Julian Day Number = 2193750.5, Delta T = 10m33s
Ecliptic obliquity = 23°31'51, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'47, Lahiri = 14°00'47 Julian Calendar 1 March 1294 == Greg. Calendar 8 March 1294

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

APRIL 1294 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 6 16	18♈25'56	28♉23	13°R41	28♉ 3	2♒ 8	25°R35	20♉18	7°R37	13°R19	12♒41	3°R35	4♋41	17♓ 1	19♈23	T 1
F 2	13 10 12	19°24'30	11♊ 0	13♈ 0	29°12	2°50	25♎27	20°26	7♍35	13♎18	12°42	3♋30	4°38	17° 7	19°27	F 2
S 3	13 14 9	20°23'01	23°51	12°21	0♊22	3°32	25°20	20°33	7°34	13°16	12°43	3°28	4°35	17°14	19°30	S 3
S 4	13 18 5	21°21'30	6♋57	11°45	1°31	4°13	25°12	20°40	7°32	13°14	12°44	3°D28	4°32	17°21	19°34	S 4
M 5	13 22 2	22°19'57	20°22	11°12	2°40	4°55	25° 4	20°47	7°30	13°13	12°45	3°R28	4°29	17°28	19°38	M 5
T 6	13 25 58	23°18'22	4♌ 8	10°43	3°48	5°37	24°57	20°54	7°29	13°11	12°46	3°28	4°26	17°34	19°42	T 6
W 7	13 29 55	24°16'45	18°17	10°18	4°57	6°18	24°49	21° 2	7°27	13°10	12°46	3°26	4°22	17°41	19°45	W 7
T 8	13 33 52	25°15'05	2♍47	9°58	6° 6	7° 0	24°41	21° 9	7°26	13° 8	12°47	3°21	4°19	17°48	19°49	T 8
F 9	13 37 48	26°13'23	17°35	9°42	7°14	7°41	24°34	21°16	7°24	13° 6	12°48	3°15	4°16	17°54	19°53	F 9
S 10	13 41 45	27°11'39	2♎35	9°31	8°22	8°23	24°26	21°24	7°23	13° 5	12°48	3° 6	4°13	18° 1	19°57	S 10
S 11	13 45 41	28° 9'54	17°38	9°25	9°30	9° 4	24°18	21°31	7°21	13° 3	12°49	2°56	4°10	18° 8	20° 0	S 11
M12	13 49 38	29° 8'06	2♏34	9°D24	10°38	9°46	24°11	21°38	7°20	13° 2	12°50	2°47	4° 6	18°15	20° 4	M12
T 13	13 53 34	0♉ 6'17	17°15	9°28	11°46	10°27	24° 3	21°46	7°19	13° 0	12°50	2°39	4° 3	18°21	20° 8	T 13
W14	13 57 31	1° 4'26	1♐32	9°37	12°53	11° 9	23°56	21°53	7°18	12°59	12°51	2°33	4° 0	18°28	20°11	W14
T 15	14 1 27	2° 2'33	15°23	9°50	14° 1	11°50	23°48	22° 1	7°16	12°57	12°52	2°29	3°57	18°35	20°15	T 15
F 16	14 5 24	3° 0'39	28°46	10° 8	15° 8	12°31	23°40	22° 8	7°15	12°56	12°52	2°D28	3°54	18°41	20°19	F 16
S 17	14 9 21	3°58'44	11♑42	10°30	16°15	13°13	23°33	22°16	7°14	12°54	12°53	2°28	3°51	18°48	20°22	S 17
S 18	14 13 17	4°56'47	24°16	10°57	17°22	13°54	23°26	22°24	7°13	12°52	12°53	2°29	3°47	18°55	20°26	S 18
M19	14 17 14	5°54'48	6♒31	11°28	18°29	14°35	23°18	22°31	7°12	12°51	12°54	2°R29	3°44	19° 2	20°30	M19
T 20	14 21 10	6°52'48	18°34	12° 3	19°35	15°17	23°11	22°39	7°11	12°50	12°54	2°29	3°41	19° 8	20°33	T 20
W21	14 25 7	7°50'47	0♓28	12°42	20°42	15°58	23° 4	22°46	7°10	12°48	12°54	2°26	3°38	19°15	20°37	W21
T 22	14 29 3	8°48'45	12°19	13°24	21°48	16°39	22°56	22°54	7°10	12°47	12°55	2°21	3°35	19°22	20°41	T 22
F 23	14 33 0	9°46'41	24°11	14°11	22°54	17°20	22°49	23° 2	7° 9	12°45	12°55	2°14	3°31	19°28	20°44	F 23
S 24	14 36 56	10°44'35	6♈ 6	15° 0	24° 0	18° 1	22°42	23°10	7° 8	12°44	12°56	2° 5	3°28	19°35	20°48	S 24
S 25	14 40 53	11°42'29	18° 9	15°53	25° 5	18°42	22°35	23°17	7° 7	12°42	12°56	1°56	3°25	19°42	20°51	S 25
M26	14 44 50	12°40'20	0♉20	16°50	26°11	19°23	22°29	23°25	7° 7	12°41	12°56	1°47	3°22	19°49	20°55	M26
T 27	14 48 46	13°38'11	12°42	17°49	27°16	20° 4	22°22	23°33	7° 6	12°40	12°56	1°38	3°19	19°55	20°58	T 27
W28	14 52 43	14°36'00	25°14	18°52	28°21	20°45	22°15	23°41	7° 6	12°38	12°57	1°32	3°16	20° 2	21° 2	W28
T 29	14 56 39	15°33'47	7♊57	19°57	29°26	21°26	22° 9	23°48	7° 5	12°37	12°57	1°27	3°12	20° 9	21° 5	T 29
F 30	15 0 36	16♉31'33	20♊51	21♈ 5	0♋30	22♒ 7	22♎ 2	23♉56	7♍ 5	12♎36	12♒57	1♋25	3♋ 9	20♓16	21♈ 9	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n15	17n 3	2s54	6n44	1n25	21n29	1n43	20s56	1s12	8s30	1n32	16n 6	1s51	9n29	0n48	3s39	1n47	25s31	8s50	23n29	23n27	9s40	8n23	0n50
F 2	7 37	20 16	1 56	6 13	1 9	21 47	1 46	20 47	1 13	8 27	1 32	16 8	1 51	9 30	0 48	3 38	1 47	25 31	8 50	23 29	23 27	9 37	8 25	0 50
S 3	8 0	22 32	0 51	5 42	0 52	22 5	1 49	20 39	1 15	8 24	1 32	16 10	1 51	9 31	0 48	3 37	1 47	25 31	8 50	23 29	23 27	9 35	8 26	0 50
S 4	8 22	23 39	0n18	5 12	0 35	22 22	1 52	20 30	1 16	8 21	1 32	16 12	1 51	9 31	0 48	3 37	1 47	25 31	8 51	23 29	23 27	9 32	8 27	0 50
M 5	8 44	23 26	1 28	4 44	0 19	22 39	1 55	20 22	1 17	8 19	1 32	16 14	1 51	9 32	0 48	3 36	1 47	25 31	8 51	23 29	23 27	9 30	8 29	0 50
T 6	9 5	21 48	2 35	4 17	0 2	22 55	1 58	20 13	1 19	8 16	1 32	16 16	1 51	9 32	0 48	3 35	1 47	25 31	8 51	23 29	23 27	9 27	8 30	0 50
W 7	9 27	18 48	3 34	3 53	0s14	23 11	2 1	20 4	1 20	8 13	1 32	16 18	1 50	9 33	0 48	3 35	1 47	25 31	8 51	23 29	23 27	9 25	8 31	0 50
T 8	9 48	14 35	4 21	3 30	0 30	23 26	2 4	19 55	1 22	8 10	1 32	16 20	1 50	9 34	0 48	3 34	1 47	25 31	8 52	23 29	23 28	9 23	8 33	0 50
F 9	10 10	9 24	4 52	3 10	0 46	23 40	2 6	19 45	1 23	8 8	1 32	16 22	1 50	9 34	0 48	3 34	1 47	25 31	8 52	23 29	23 28	9 20	8 34	0 50
S 10	10 31	3 36	5 3	2 52	1 1	23 54	2 9	19 36	1 24	8 5	1 32	16 24	1 50	9 35	0 48	3 33	1 47	25 31	8 52	23 30	23 28	9 18	8 36	0 50
S 11	10 52	2s26	4 53	2 36	1 15	24 7	2 11	19 26	1 26	8 2	1 32	16 27	1 50	9 35	0 48	3 32	1 47	25 31	8 53	23 30	23 28	9 15	8 37	0 50
M12	11 13	8 17	4 23	2 24	1 28	24 20	2 14	19 16	1 27	7 59	1 32	16 29	1 50	9 35	0 48	3 32	1 47	25 31	8 53	23 30	23 28	9 13	8 38	0 50
T 13	11 33	13 35	3 36	2 13	1 41	24 32	2 16	19 7	1 29	7 57	1 32	16 31	1 50	9 36	0 48	3 31	1 47	25 31	8 53	23 30	23 28	9 11	8 40	0 49
W14	11 54	17 59	2 37	2 6	1 53	24 43	2 19	18 57	1 30	7 54	1 32	16 33	1 50	9 36	0 48	3 31	1 47	25 31	8 53	23 30	23 28	9 8	8 41	0 49
T 15	12 14	21 14	1 30	2 1	2 4	24 54	2 21	18 46	1 32	7 51	1 32	16 35	1 49	9 37	0 48	3 30	1 47	25 32	8 54	23 30	23 28	9 6	8 42	0 49
F 16	12 34	23 12	0 20	1 59	2 14	25 4	2 23	18 36	1 33	7 49	1 31	16 37	1 49	9 37	0 48	3 29	1 46	25 32	8 54	23 30	23 28	9 3	8 44	0 49
S 17	12 54	23 50	0s49	1 59	2 23	25 14	2 25	18 26	1 35	7 46	1 31	16 39	1 49	9 38	0 48	3 29	1 46	25 32	8 54	23 30	23 28	9 1	8 45	0 49
S 18	13 13	23 13	1 54	2 2	2 32	25 22	2 27	18 15	1 36	7 43	1 31	16 41	1 49	9 38	0 48	3 28	1 46	25 32	8 55	23 30	23 29	8 58	8 46	0 49
M19	13 33	21 29	2 52	2 7	2 39	25 30	2 29	18 4	1 38	7 41	1 31	16 43	1 49	9 38	0 48	3 28	1 46	25 32	8 55	23 30	23 29	8 56	8 48	0 49
T 20	13 52	18 49	3 41	2 14	2 46	25 38	2 31	17 54	1 39	7 38	1 31	16 45	1 49	9 38	0 48	3 27	1 46	25 32	8 55	23 30	23 29	8 53	8 49	0 49
W21	14 11	15 24	4 20	2 24	2 52	25 45	2 33	17 43	1 41	7 35	1 31	16 47	1 49	9 39	0 48	3 27	1 46	25 32	8 56	23 31	23 29	8 51	8 50	0 49
T 22	14 29	11 23	4 48	2 36	2 57	25 51	2 35	17 32	1 42	7 33	1 31	16 49	1 49	9 39	0 48	3 26	1 46	25 33	8 56	23 31	23 29	8 49	8 52	0 49
F 23	14 48	6 57	5 3	2 49	3 1	25 56	2 36	17 21	1 44	7 30	1 31	16 51	1 49	9 39	0 48	3 25	1 46	25 33	8 56	23 31	23 29	8 46	8 53	0 49
S 24	15 6	2 14	5 5	3 5	3 5	26 1	2 38	17 9	1 45	7 28	1 30	16 53	1 48	9 40	0 48	3 25	1 46	25 33	8 56	23 31	23 29	8 44	8 54	0 49
S 25	15 24	2n37	4 54	3 23	3 8	26 5	2 39	16 58	1 47	7 25	1 30	16 55	1 48	9 40	0 47	3 24	1 46	25 33	8 57	23 31	23 29	8 41	8 55	0 49
M26	15 42	7 26	4 29	3 43	3 10	26 9	2 40	16 47	1 48	7 23	1 30	16 57	1 48	9 40	0 47	3 24	1 46	25 33	8 57	23 31	23 29	8 39	8 57	0 49
T 27	16 0	12 2	3 52	4 4	3 11	26 12	2 42	16 35	1 50	7 21	1 30	16 59	1 48	9 40	0 47	3 23	1 46	25 34	8 57	23 31	23 29	8 36	8 58	0 49
W28	16 17	16 12	3 2	4 27	3 12	26 14	2 43	16 23	1 51	7 18	1 30	17 1	1 48	9 40	0 47	3 23	1 46	25 34	8 58	23 31	23 29	8 34	8 59	0 49
T 29	16 34	19 41	2 3	4 52	3 12	26 16	2 44	16 12	1 53	7 16	1 30	17 3	1 48	9 40	0 47	3 22	1 46	25 34	8 58	23 31	23 30	8 31	9 1	0 49
F 30	16n50	22n16	0s57	5n18	3s11	26n16	2n45	16s 0	1s55	7s14	1n30	17n 5	1s48	9n41	0n47	3s22	1n46	25s34	8s58	23n31	23n30	8s29	9n 2	0n48

Julian Day Number = 2193781.5, Delta T = 10m33s
Ecliptic obliquity = 23°31'51, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'51, Lahiri = 14°00'51 Julian Calendar 1 Apr. 1294 == Greg. Calendar 8 Apr. 1294

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

MAY 1294 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 4 32	17♉29'18	3♋58	22♈16	1♋34	22♒47	21°R56	24♉ 4	7°R 4	12°R34	12♒57	1°D24	3♋ 6	20♓22	21♈12	S 1
S 2	15 8 29	18°27'01	17°18	23°30	2°39	23°28	21♎50	24°12	7♍ 4	12♎33	12°57	1♋25	3° 3	20°29	21°16	S 2
M 3	15 12 25	19°24'42	0♌51	24°46	3°42	24° 9	21°43	24°20	7° 4	12°32	12°57	1°26	3° 0	20°36	21°19	M 3
T 4	15 16 22	20°22'22	14°40	26° 5	4°46	24°49	21°37	24°27	7° 4	12°31	12°57	1°R27	2°57	20°42	21°23	T 4
W 5	15 20 19	21°20'00	28°43	27°27	5°49	25°30	21°32	24°35	7° 3	12°29	12°58	1°27	2°53	20°49	21°26	W 5
T 6	15 24 15	22°17'36	13♍ 0	28°51	6°52	26°10	21°26	24°43	7° 3	12°28	12°R58	1°26	2°50	20°56	21°29	T 6
F 7	15 28 12	23°15'11	27°29	0♉17	7°55	26°50	21°20	24°51	7°D 3	12°27	12°58	1°22	2°47	21° 3	21°33	F 7
S 8	15 32 8	24°12'44	12♎ 5	1°46	8°57	27°31	21°15	24°59	7° 3	12°26	12°58	1°18	2°44	21° 9	21°36	S 8
S 9	15 36 5	25°10'16	26°43	3°18	9°59	28°11	21° 9	25° 6	7° 3	12°25	12°57	1°12	2°41	21°16	21°39	S 9
M10	15 40 1	26° 7'47	11♏16	4°52	11° 1	28°51	21° 4	25°14	7° 3	12°24	12°57	1° 7	2°37	21°23	21°43	M10
T 11	15 43 58	27° 5'16	25°37	6°28	12° 2	29°31	20°59	25°22	7° 4	12°23	12°57	1° 3	2°34	21°29	21°46	T 11
W12	15 47 54	28° 2'44	9♐40	8° 7	13° 4	0♓11	20°54	25°30	7° 4	12°22	12°57	1° 0	2°31	21°36	21°49	W12
T 13	15 51 51	29° 0'12	23°23	9°48	14° 4	0°51	20°49	25°38	7° 4	12°21	12°57	0°58	2°28	21°43	21°52	T 13
F 14	15 55 48	29°57'38	6♑42	11°31	15° 5	1°31	20°45	25°46	7° 4	12°20	12°57	0°D58	2°25	21°50	21°55	F 14
S 15	15 59 44	0♊55'04	19°39	13°17	16° 5	2°11	20°40	25°53	7° 5	12°19	12°57	0°59	2°22	21°56	21°58	S 15
S 16	16 3 41	1°52'29	2♒14	15° 5	17° 5	2°50	20°36	26° 1	7° 5	12°18	12°56	1° 1	2°18	22° 3	22° 1	S 16
M17	16 7 37	2°49'53	14°33	16°56	18° 4	3°30	20°32	26° 9	7° 6	12°17	12°56	1° 2	2°15	22°10	22° 5	M17
T 18	16 11 34	3°47'16	26°38	18°49	19° 3	4° 9	20°28	26°17	7° 6	12°16	12°56	1° 3	2°12	22°17	22° 8	T 18
W19	16 15 30	4°44'39	8♓35	20°44	20° 1	4°49	20°24	26°25	7° 7	12°15	12°56	1°R 4	2° 9	22°23	22°11	W19
T 20	16 19 27	5°42'01	20°28	22°41	21° 0	5°28	20°20	26°32	7° 7	12°14	12°55	1° 3	2° 6	22°30	22°13	T 20
F 21	16 23 23	6°39'22	2♈21	24°41	21°57	6° 7	20°17	26°40	7° 8	12°13	12°55	1° 1	2° 3	22°37	22°16	F 21
S 22	16 27 20	7°36'43	14°20	26°42	22°55	6°46	20°14	26°48	7° 9	12°13	12°54	0°58	1°59	22°43	22°19	S 22
S 23	16 31 17	8°34'04	26°28	28°46	23°51	7°25	20°10	26°56	7°10	12°12	12°54	0°54	1°56	22°50	22°22	S 23
M24	16 35 13	9°31'23	8♉46	0♊51	24°48	8° 4	20° 7	27° 3	7°11	12°11	12°54	0°51	1°53	22°57	22°25	M24
T 25	16 39 10	10°28'42	21°19	2°58	25°44	8°43	20° 5	27°11	7°11	12°10	12°53	0°48	1°50	23° 4	22°28	T 25
W26	16 43 6	11°26'01	4♊ 6	5° 6	26°39	9°21	20° 2	27°19	7°12	12°10	12°53	0°45	1°47	23°10	22°31	W26
T 27	16 47 3	12°23'19	17° 8	7°16	27°34	10° 0	20° 0	27°26	7°13	12° 9	12°52	0°44	1°43	23°17	22°33	T 27
F 28	16 50 59	13°20'37	0♋25	9°26	28°28	10°38	19°57	27°34	7°14	12° 9	12°52	0°D44	1°40	23°24	22°36	F 28
S 29	16 54 56	14°17'53	13°55	11°38	29°22	11°16	19°55	27°42	7°16	12° 8	12°51	0°44	1°37	23°30	22°39	S 29
S 30	16 58 52	15°15'09	27°38	13°49	0♌15	11°54	19°53	27°49	7°17	12° 7	12°51	0°45	1°34	23°37	22°41	S 30
M31	17 2 49	16♊12'25	11♌31	16♊ 1	1♌ 8	12♓32	19♎51	27♉57	7♍18	12♎ 7	12♒50	0♋46	1♋31	23♓44	22♈44	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 7	23n42	0n14	5n46	3s10	26n17	2n45	15s48	1s56	7s12	1n29	17n 7	1s48	9n41	0n47	3s21	1n46	25s34	8s59	23n31	23n30	8s26	9n 3	0n48
S 2	17 23	23 49	1 25	6 15	3 8	26 16	2 46	15 36	1 58	7 9	1 29	17 9	1 48	9 41	0 47	3 21	1 46	25 35	8 59	23 31	23 30	8 24	9 4	0 48
M 3	17 39	22 32	2 33	6 46	3 5	26 15	2 47	15 24	1 59	7 7	1 29	17 11	1 48	9 41	0 47	3 21	1 46	25 35	8 59	23 31	23 30	8 21	9 6	0 48
T 4	17 55	19 53	3 33	7 18	3 1	26 14	2 47	15 12	2 1	7 5	1 29	17 13	1 48	9 41	0 47	3 20	1 46	25 35	8 59	23 31	23 30	8 19	9 7	0 48
W 5	18 10	16 3	4 21	7 51	2 57	26 11	2 47	14 59	2 2	7 3	1 29	17 15	1 48	9 41	0 47	3 20	1 46	25 35	9 0	23 31	23 30	8 16	9 8	0 48
T 6	18 25	11 14	4 54	8 25	2 53	26 9	2 48	14 47	2 4	7 1	1 28	17 17	1 48	9 41	0 47	3 19	1 46	25 36	9 0	23 31	23 30	8 14	9 9	0 48
F 7	18 39	5 44	5 10	9 0	2 48	26 5	2 48	14 35	2 6	6 59	1 28	17 19	1 47	9 41	0 47	3 19	1 46	25 36	9 0	23 31	23 30	8 11	9 10	0 48
S 8	18 54	0s 7	5 5	9 36	2 42	26 1	2 48	14 22	2 7	6 58	1 28	17 21	1 47	9 41	0 47	3 18	1 46	25 36	9 1	23 31	23 30	8 9	9 12	0 48
S 9	19 8	5 59	4 40	10 13	2 36	25 56	2 47	14 10	2 9	6 56	1 28	17 23	1 47	9 41	0 47	3 18	1 46	25 37	9 1	23 32	23 30	8 6	9 13	0 48
M10	19 22	11 30	3 58	10 51	2 29	25 51	2 47	13 57	2 10	6 54	1 28	17 25	1 47	9 41	0 47	3 18	1 46	25 37	9 1	23 32	23 30	8 4	9 14	0 48
T 11	19 35	16 19	3 1	11 30	2 22	25 45	2 47	13 45	2 12	6 52	1 27	17 27	1 47	9 41	0 47	3 17	1 46	25 37	9 1	23 32	23 30	8 1	9 15	0 48
W12	19 48	20 7	1 54	12 9	2 14	25 38	2 46	13 32	2 14	6 51	1 27	17 28	1 47	9 40	0 47	3 17	1 46	25 38	9 2	23 32	23 30	7 59	9 16	0 48
T 13	20 1	22 41	0 41	12 49	2 6	25 31	2 45	13 19	2 15	6 49	1 27	17 30	1 47	9 40	0 47	3 16	1 46	25 38	9 2	23 32	23 30	7 56	9 17	0 48
F 14	20 13	23 53	0s31	13 29	1 57	25 24	2 44	13 6	2 17	6 48	1 27	17 32	1 47	9 40	0 47	3 16	1 46	25 38	9 2	23 32	23 31	7 54	9 19	0 48
S 15	20 25	23 45	1 40	14 10	1 48	25 16	2 43	12 54	2 19	6 46	1 26	17 34	1 47	9 40	0 47	3 16	1 46	25 39	9 3	23 32	23 31	7 51	9 20	0 48
S 16	20 37	22 23	2 43	14 51	1 39	25 7	2 42	12 41	2 20	6 45	1 26	17 36	1 47	9 40	0 47	3 15	1 46	25 39	9 3	23 32	23 31	7 49	9 21	0 48
M17	20 48	19 58	3 36	15 32	1 29	24 58	2 41	12 28	2 22	6 43	1 26	17 38	1 47	9 40	0 47	3 15	1 46	25 39	9 3	23 32	23 31	7 46	9 22	0 48
T 18	20 59	16 44	4 19	16 13	1 19	24 48	2 39	12 15	2 23	6 42	1 26	17 40	1 47	9 39	0 46	3 15	1 46	25 40	9 4	23 32	23 31	7 44	9 23	0 48
W19	21 10	12 51	4 50	16 54	1 9	24 38	2 38	12 2	2 25	6 41	1 25	17 42	1 47	9 39	0 46	3 15	1 45	25 40	9 4	23 32	23 31	7 41	9 24	0 48
T 20	21 20	8 31	5 8	17 35	0 58	24 27	2 36	11 49	2 27	6 40	1 25	17 43	1 47	9 39	0 46	3 14	1 45	25 40	9 4	23 32	23 31	7 39	9 25	0 48
F 21	21 30	3 51	5 14	18 15	0 47	24 16	2 34	11 36	2 28	6 39	1 25	17 45	1 47	9 38	0 46	3 14	1 45	25 41	9 4	23 32	23 31	7 36	9 26	0 47
S 22	21 40	0n59	5 5	18 54	0 36	24 4	2 32	11 23	2 30	6 38	1 25	17 47	1 47	9 38	0 46	3 14	1 45	25 41	9 5	23 32	23 31	7 33	9 27	0 47
S 23	21 49	5 51	4 43	19 33	0 25	23 52	2 29	11 10	2 32	6 37	1 24	17 49	1 47	9 38	0 46	3 13	1 45	25 41	9 5	23 32	23 31	7 31	9 28	0 47
M24	21 58	10 34	4 8	20 10	0 14	23 39	2 27	10 57	2 33	6 36	1 24	17 51	1 47	9 37	0 46	3 13	1 45	25 42	9 5	23 32	23 31	7 28	9 29	0 47
T 25	22 6	14 56	3 20	20 46	0 4	23 26	2 24	10 44	2 35	6 35	1 24	17 52	1 47	9 37	0 46	3 13	1 45	25 42	9 6	23 32	23 31	7 26	9 30	0 47
W26	22 14	18 44	2 21	21 21	0n 7	23 13	2 21	10 31	2 37	6 34	1 24	17 54	1 47	9 37	0 46	3 13	1 45	25 43	9 6	23 32	23 31	7 23	9 31	0 47
T 27	22 22	21 40	1 14	21 54	0 18	22 59	2 18	10 18	2 38	6 34	1 23	17 56	1 47	9 36	0 46	3 13	1 45	25 43	9 6	23 32	23 31	7 21	9 32	0 47
F 28	22 29	23 30	0 2	22 25	0 28	22 45	2 15	10 4	2 40	6 33	1 23	17 58	1 47	9 36	0 46	3 12	1 45	25 43	9 6	23 32	23 31	7 18	9 33	0 47
S 29	22 36	24 0	1n12	22 54	0 38	22 30	2 11	9 51	2 42	6 32	1 23	17 59	1 47	9 35	0 46	3 12	1 45	25 44	9 7	23 32	23 31	7 16	9 34	0 47
S 30	22 43	23 3	2 23	23 20	0 48	22 15	2 8	9 38	2 43	6 32	1 23	18 1	1 47	9 35	0 46	3 12	1 45	25 44	9 7	23 32	23 31	7 13	9 35	0 47
M31	22n49	20n42	3n27	23n44	0n57	22n 0	2n 4	9s25	2s45	6s32	1n22	18n 3	1s47	9n34	0n46	3s12	1n45	25s45	9s 7	23n32	23n31	7s10	9n36	0n47

Julian Day Number = 2193811.5, Delta T = 10m33s
Ecliptic obliquity = 23°31'51, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'55, Lahiri = 14°00'56 Julian Calendar 1 May 1294 == Greg. Calendar 8 May 1294

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

JUNE 1294 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	17 6 46	17♊ 9'39	25♌33	18♊13	2♌ 0	13♓10	19°R50	28♉ 5	7♍19	12°R 6	12°R49	0♋47	1♋28	23♓51	22♈46	T 1
W 2	17 10 42	18° 6'53	9♍41	20°24	2°51	13°47	19♎49	28°12	7°21	12♎ 6	12♒49	0°48	1°24	23°57	22°49	W 2
T 3	17 14 39	19° 4'06	23°55	22°34	3°42	14°25	19°47	28°20	7°22	12° 6	12°48	0°R48	1°21	24° 4	22°51	T 3
F 4	17 18 35	20° 1'18	8♎11	24°44	4°32	15° 2	19°46	28°27	7°23	12° 5	12°47	0°47	1°18	24°11	22°54	F 4
S 5	17 22 32	20°58'29	22°27	26°53	5°22	15°39	19°45	28°35	7°25	12° 5	12°47	0°46	1°15	24°18	22°56	S 5
S 6	17 26 28	21°55'40	6♏39	29° 0	6°10	16°16	19°45	28°42	7°26	12° 4	12°46	0°45	1°12	24°24	22°58	S 6
M 7	17 30 25	22°52'50	20°43	1♋ 6	6°58	16°53	19°44	28°49	7°28	12° 4	12°45	0°44	1° 9	24°31	23° 0	M 7
T 8	17 34 21	23°50'00	4♐37	3°10	7°45	17°30	19°44	28°57	7°29	12° 4	12°44	0°44	1° 5	24°38	23° 3	T 8
W 9	17 38 18	24°47'10	18°17	5°13	8°31	18° 6	19°D44	29° 4	7°31	12° 4	12°44	0°43	1° 2	24°44	23° 5	W 9
T 10	17 42 15	25°44'19	1♑42	7°13	9°16	18°43	19°44	29°11	7°33	12° 3	12°43	0°D43	0°59	24°51	23° 7	T 10
F 11	17 46 11	26°41'29	14°48	9°12	10° 1	19°19	19°44	29°19	7°35	12° 3	12°42	0°43	0°56	24°58	23° 9	F 11
S 12	17 50 8	27°38'38	27°37	11° 9	10°44	19°55	19°45	29°26	7°36	12° 3	12°41	0°44	0°53	25° 5	23°11	S 12
S 13	17 54 4	28°35'47	10♒ 9	13° 4	11°26	20°30	19°45	29°33	7°38	12° 3	12°40	0°44	0°49	25°11	23°13	S 13
M14	17 58 1	29°32'57	22°27	14°57	12° 8	21° 6	19°46	29°40	7°40	12° 3	12°40	0°44	0°46	25°18	23°15	M14
T 15	18 1 57	0♋30'06	4♓33	16°48	12°48	21°41	19°47	29°47	7°42	12° 3	12°39	0°R44	0°43	25°25	23°17	T 15
W16	18 5 54	1°27'16	16°30	18°37	13°28	22°16	19°48	29°55	7°44	12°D 3	12°38	0°44	0°40	25°32	23°19	W16
T 17	18 9 51	2°24'26	28°24	20°23	14° 6	22°51	19°49	0♊ 2	7°46	12° 3	12°37	0°D44	0°37	25°38	23°21	T 17
F 18	18 13 47	3°21'36	10♈19	22° 8	14°43	23°26	19°51	0° 9	7°48	12° 3	12°36	0°44	0°34	25°45	23°23	F 18
S 19	18 17 44	4°18'46	22°18	23°51	15°19	24° 1	19°52	0°16	7°50	12° 3	12°35	0°44	0°30	25°52	23°24	S 19
S 20	18 21 40	5°15'57	4♉27	25°31	15°54	24°35	19°54	0°23	7°52	12° 3	12°34	0°45	0°27	25°58	23°26	S 20
M21	18 25 37	6°13'08	16°50	27°10	16°27	25° 9	19°56	0°29	7°55	12° 3	12°33	0°45	0°24	26° 5	23°28	M21
T 22	18 29 33	7°10'20	29°29	28°46	16°59	25°42	19°58	0°36	7°57	12° 3	12°32	0°46	0°21	26°12	23°29	T 22
W23	18 33 30	8° 7'32	12♊28	0♌21	17°30	26°16	20° 1	0°43	7°59	12° 4	12°31	0°46	0°18	26°19	23°31	W23
T 24	18 37 26	9° 4'45	25°46	1°53	17°59	26°49	20° 3	0°50	8° 1	12° 4	12°30	0°R47	0°15	26°25	23°32	T 24
F 25	18 41 23	10° 1'58	9♋24	3°23	18°27	27°22	20° 6	0°57	8° 4	12° 4	12°29	0°46	0°11	26°32	23°34	F 25
S 26	18 45 20	10°59'11	23°20	4°52	18°53	27°55	20° 9	1° 3	8° 6	12° 4	12°28	0°46	0° 8	26°39	23°35	S 26
S 27	18 49 16	11°56'25	7♌30	6°18	19°18	28°27	20°12	1°10	8° 9	12° 5	12°26	0°45	0° 5	26°45	23°36	S 27
M28	18 53 13	12°53'39	21°49	7°41	19°40	28°59	20°15	1°16	8°11	12° 5	12°25	0°44	0° 2	26°52	23°38	M28
T 29	18 57 9	13°50'52	6♍14	9° 3	20° 2	29°31	20°19	1°23	8°14	12° 6	12°24	0°42	29♊59	26°59	23°39	T 29
W30	19 1 6	14♋48'07	20♍39	10♌23	20♌21	0♈ 2	20♎22	1♊29	8♍16	12♎ 6	12♒23	0♋41	29♊55	27♓ 6	23♈40	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n55	17n 6	4n18	24n 5	1n 5	21n44	2n 0	9s12	2s47	6s31	1n22	18n 4	1s47	9n34	0n46	3s12	1n45	25s45	9s 7	23n32	23n31	7s 8	9n37	0n47
W 2	23 0	12 31	4 55	24 24	1 13	21 28	1 56	8 59	2 48	6 31	1 22	18 6	1 47	9 33	0 46	3 12	1 45	25 46	9 8	23 32	23 31	7 5	9 38	0 47
T 3	23 5	7 13	5 14	24 40	1 21	21 12	1 51	8 46	2 50	6 31	1 21	18 8	1 47	9 33	0 46	3 11	1 45	25 46	9 8	23 32	23 31	7 3	9 39	0 47
F 4	23 9	1 32	5 13	24 53	1 27	20 56	1 47	8 33	2 52	6 31	1 21	18 9	1 47	9 32	0 46	3 11	1 45	25 47	9 8	23 32	23 31	7 0	9 40	0 47
S 5	23 13	4s13	4 54	25 3	1 33	20 39	1 42	8 20	2 54	6 31	1 21	18 11	1 47	9 32	0 46	3 11	1 45	25 47	9 8	23 32	23 31	6 58	9 40	0 47
S 6	23 17	9 45	4 16	25 10	1 39	20 22	1 37	8 8	2 55	6 31	1 21	18 13	1 47	9 31	0 46	3 11	1 45	25 47	9 9	23 32	23 32	6 55	9 41	0 47
M 7	23 20	14 44	3 24	25 15	1 43	20 5	1 31	7 55	2 57	6 31	1 20	18 14	1 47	9 30	0 46	3 11	1 45	25 48	9 9	23 32	23 32	6 52	9 42	0 47
T 8	23 23	18 51	2 20	25 17	1 47	19 47	1 26	7 42	2 59	6 31	1 20	18 16	1 47	9 30	0 46	3 11	1 45	25 48	9 9	23 32	23 32	6 50	9 43	0 47
W 9	23 26	21 53	1 8	25 16	1 50	19 30	1 20	7 29	3 0	6 31	1 20	18 17	1 47	9 29	0 46	3 11	1 44	25 49	9 9	23 32	23 32	6 47	9 44	0 47
T 10	23 28	23 37	0s 5	25 13	1 53	19 12	1 14	7 16	3 2	6 31	1 19	18 19	1 47	9 28	0 46	3 11	1 44	25 49	9 10	23 32	23 32	6 45	9 44	0 47
F 11	23 29	23 59	1 17	25 7	1 54	18 54	1 8	7 4	3 4	6 32	1 19	18 20	1 47	9 28	0 46	3 11	1 44	25 50	9 10	23 32	23 32	6 42	9 45	0 47
S 12	23 31	23 4	2 24	24 59	1 55	18 36	1 2	6 51	3 5	6 32	1 19	18 22	1 47	9 27	0 45	3 11	1 44	25 50	9 10	23 32	23 32	6 39	9 46	0 47
S 13	23 31	21 0	3 22	24 48	1 56	18 18	0 55	6 38	3 7	6 32	1 19	18 23	1 47	9 26	0 45	3 11	1 44	25 51	9 10	23 32	23 32	6 37	9 47	0 47
M14	23 32	18 0	4 9	24 36	1 55	17 59	0 48	6 26	3 9	6 33	1 18	18 25	1 47	9 26	0 45	3 11	1 44	25 51	9 11	23 32	23 32	6 34	9 47	0 47
T 15	23 32	14 17	4 44	24 22	1 54	17 41	0 41	6 13	3 10	6 34	1 18	18 26	1 47	9 25	0 45	3 11	1 44	25 52	9 11	23 32	23 32	6 32	9 48	0 47
W16	23 31	10 3	5 7	24 5	1 52	17 22	0 33	6 1	3 12	6 34	1 18	18 28	1 47	9 24	0 45	3 11	1 44	25 52	9 11	23 32	23 32	6 29	9 49	0 47
T 17	23 31	5 28	5 17	23 47	1 50	17 4	0 26	5 49	3 14	6 35	1 17	18 29	1 47	9 23	0 45	3 11	1 44	25 53	9 11	23 32	23 32	6 26	9 49	0 47
F 18	23 29	0 41	5 12	23 28	1 47	16 46	0 18	5 36	3 15	6 36	1 17	18 31	1 47	9 22	0 45	3 11	1 44	25 53	9 12	23 32	23 32	6 24	9 50	0 46
S 19	23 28	4n 9	4 55	23 7	1 43	16 27	0 9	5 24	3 17	6 37	1 17	18 32	1 47	9 22	0 45	3 11	1 44	25 54	9 12	23 32	23 32	6 21	9 51	0 46
S 20	23 26	8 55	4 24	22 45	1 39	16 9	0 1	5 12	3 19	6 38	1 17	18 34	1 47	9 21	0 45	3 11	1 44	25 54	9 12	23 32	23 32	6 19	9 51	0 46
M21	23 23	13 25	3 40	22 21	1 35	15 50	0s 8	5 0	3 20	6 39	1 16	18 35	1 47	9 20	0 45	3 11	1 44	25 55	9 12	23 32	23 32	6 16	9 52	0 46
T 22	23 20	17 26	2 45	21 56	1 29	15 32	0 17	4 48	3 22	6 40	1 16	18 36	1 47	9 19	0 45	3 12	1 44	25 55	9 12	23 32	23 32	6 13	9 52	0 46
W23	23 17	20 44	1 40	21 31	1 24	15 14	0 26	4 36	3 24	6 41	1 16	18 38	1 47	9 18	0 45	3 12	1 44	25 56	9 13	23 32	23 32	6 11	9 53	0 46
T 24	23 13	23 0	0 28	21 4	1 17	14 56	0 36	4 25	3 25	6 42	1 16	18 39	1 47	9 17	0 45	3 12	1 44	25 56	9 13	23 32	23 32	6 8	9 53	0 46
F 25	23 9	23 59	0n48	20 37	1 10	14 38	0 46	4 13	3 27	6 43	1 15	18 40	1 47	9 16	0 45	3 12	1 44	25 57	9 13	23 32	23 32	6 5	9 54	0 46
S 26	23 4	23 30	2 2	20 9	1 3	14 20	0 56	4 1	3 29	6 45	1 15	18 42	1 47	9 15	0 45	3 12	1 44	25 57	9 13	23 32	23 32	6 3	9 54	0 46
S 27	23 0	21 31	3 9	19 40	0 56	14 3	1 6	3 50	3 30	6 46	1 15	18 43	1 48	9 14	0 45	3 12	1 44	25 58	9 13	23 32	23 32	6 0	9 55	0 46
M28	22 54	18 10	4 6	19 11	0 47	13 45	1 17	3 39	3 32	6 48	1 14	18 44	1 48	9 14	0 45	3 13	1 43	25 58	9 14	23 32	23 32	5 58	9 55	0 46
T 29	22 48	13 42	4 47	18 41	0 39	13 28	1 28	3 28	3 34	6 49	1 14	18 46	1 48	9 13	0 45	3 13	1 43	25 59	9 14	23 32	23 32	5 55	9 56	0 46
W30	22n42	8n29	5n11	18n11	0n30	13n11	1s39	3s17	3s35	6s51	1n14	18n47	1s48	9n12	0n45	3s13	1n43	25s59	9s14	23n32	23n32	5s52	9n56	0n46

Julian Day Number = 2193842.5, Delta T = 10m33s
Ecliptic obliquity = 23°31'51, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°53'59, Lahiri = 14°01'00 Julian Calendar 1 June 1294 == Greg. Calendar 8 June 1294

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

JULY 1294 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 5 2	15♋45'21	4♎59	11♌40	20♌38	0♈33	20♎26	1♊36	8♍19	12♎ 6	12°R22	0°R40	29♊52	27♓12	23♈41	T 1
F 2	19 8 59	16°42'35	19°13	12°55	20°54	1° 4	20°30	1°42	8°22	12° 7	12♒21	0°D40	29°49	27°19	23°42	F 2
S 3	19 12 55	17°39'50	3♏16	14° 7	21° 8	1°35	20°34	1°48	8°24	12° 7	12°20	0♋40	29°46	27°26	23°43	S 3
S 4	19 16 52	18°37'05	17° 8	15°17	21°19	2° 5	20°38	1°55	8°27	12° 8	12°18	0°41	29°43	27°33	23°44	S 4
M 5	19 20 49	19°34'20	0♐49	16°24	21°28	2°35	20°42	2° 1	8°30	12° 9	12°17	0°42	29°40	27°39	23°45	M 5
T 6	19 24 45	20°31'36	14°17	17°29	21°36	3° 4	20°47	2° 7	8°32	12° 9	12°16	0°44	29°36	27°46	23°46	T 6
W 7	19 28 42	21°28'52	27°31	18°31	21°41	3°33	20°51	2°13	8°35	12°10	12°15	0°R44	29°33	27°53	23°47	W 7
T 8	19 32 38	22°26'09	10♑33	19°30	21°44	4° 2	20°56	2°19	8°38	12°11	12°14	0°44	29°30	27°59	23°47	T 8
F 9	19 36 35	23°23'27	23°22	20°27	21°R44	4°30	21° 1	2°25	8°41	12°11	12°12	0°43	29°27	28° 6	23°48	F 9
S 10	19 40 31	24°20'45	5♒57	21°20	21°42	4°58	21° 6	2°31	8°44	12°12	12°11	0°40	29°24	28°13	23°49	S 10
S 11	19 44 28	25°18'04	18°21	22°10	21°38	5°26	21°12	2°36	8°47	12°13	12°10	0°37	29°21	28°20	23°49	S 11
M12	19 48 24	26°15'24	0♓33	22°57	21°32	5°53	21°17	2°42	8°50	12°14	12° 9	0°33	29°17	28°26	23°50	M12
T 13	19 52 21	27°12'45	12°36	23°40	21°23	6°20	21°23	2°48	8°53	12°15	12° 7	0°28	29°14	28°33	23°50	T 13
W14	19 56 18	28°10'07	24°33	24°20	21°11	6°46	21°28	2°53	8°56	12°15	12° 6	0°24	29°11	28°40	23°51	W14
T 15	20 0 14	29° 7'30	6♈25	24°55	20°58	7°12	21°34	2°59	8°59	12°16	12° 5	0°21	29° 8	28°47	23°51	T 15
F 16	20 4 11	0♌ 4'54	18°19	25°27	20°42	7°38	21°40	3° 4	9° 2	12°17	12° 3	0°19	29° 5	28°53	23°51	F 16
S 17	20 8 7	1° 2'20	0♉17	25°55	20°23	8° 3	21°47	3°10	9° 5	12°18	12° 2	0°D19	29° 1	29° 0	23°52	S 17
S 18	20 12 4	1°59'47	12°24	26°18	20° 3	8°27	21°53	3°15	9° 9	12°19	12° 1	0°19	28°58	29° 7	23°52	S 18
M19	20 16 0	2°57'15	24°46	26°36	19°40	8°51	21°59	3°20	9°12	12°20	11°59	0°20	28°55	29°13	23°52	M19
T 20	20 19 57	3°54'44	7♊26	26°50	19°15	9°15	22° 6	3°25	9°15	12°21	11°58	0°22	28°52	29°20	23°52	T 20
W21	20 23 53	4°52'15	20°29	26°59	18°49	9°38	22°13	3°31	9°18	12°22	11°57	0°23	28°49	29°27	23°R52	W21
T 22	20 27 50	5°49'47	3♋56	27°R 2	18°20	10° 0	22°20	3°36	9°21	12°23	11°56	0°R23	28°46	29°34	23°52	T 22
F 23	20 31 47	6°47'21	17°48	27° 1	17°50	10°22	22°27	3°40	9°25	12°25	11°54	0°22	28°42	29°40	23°52	F 23
S 24	20 35 43	7°44'56	2♌ 3	26°54	17°18	10°44	22°34	3°45	9°28	12°26	11°53	0°19	28°39	29°47	23°52	S 24
S 25	20 39 40	8°42'32	16°38	26°41	16°44	11° 4	22°41	3°50	9°31	12°27	11°52	0°15	28°36	29°54	23°52	S 25
M26	20 43 36	9°40'09	1♍24	26°23	16°10	11°25	22°48	3°55	9°35	12°28	11°50	0° 9	28°33	0♈ 0	23°51	M26
T 27	20 47 33	10°37'47	16°15	26° 0	15°35	11°44	22°56	3°59	9°38	12°29	11°49	0° 3	28°30	0° 7	23°51	T 27
W28	20 51 29	11°35'26	1♎ 2	25°31	14°58	12° 3	23° 4	4° 4	9°42	12°31	11°48	29♊58	28°27	0°14	23°51	W28
T 29	20 55 26	12°33'06	15°38	24°58	14°21	12°22	23°11	4° 8	9°45	12°32	11°46	29°54	28°23	0°21	23°50	T 29
F 30	20 59 22	13°30'48	29°59	24°19	13°44	12°40	23°19	4°13	9°49	12°33	11°45	29°51	28°20	0°27	23°50	F 30
S 31	21 3 19	14♌28'30	14♏ 1	23♌36	13♌ 7	12♈57	23♎27	4♊17	9♍52	12♎35	11♒44	29°D50	28♊17	0♈34	23♈49	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n36	2n49	5n15	17n41	0n21	12n55	1s51	3s 6	3s37	6s52	1n14	18n48	1s48	9n11	0n45	3s13	1n43	26s 0	9s14	23n32	23n32	5s50	9n56	0n46
F 2	22 29	2s56	4 59	17 11	0 11	12 39	2 3	2 55	3 39	6 54	1 13	18 49	1 48	9 10	0 45	3 13	1 43	26 0	9 14	23 32	23 32	5 47	9 57	0 46
S 3	22 22	8 29	4 26	16 40	0 1	12 23	2 15	2 44	3 40	6 56	1 13	18 50	1 48	9 8	0 45	3 14	1 43	26 1	9 14	23 32	23 32	5 44	9 57	0 46
S 4	22 14	13 32	3 38	16 10	0s 9	12 8	2 27	2 34	3 42	6 58	1 13	18 52	1 48	9 7	0 45	3 14	1 43	26 1	9 15	23 32	23 32	5 42	9 58	0 46
M 5	22 6	17 50	2 38	15 40	0 20	11 53	2 39	2 23	3 43	7 0	1 13	18 53	1 48	9 6	0 45	3 14	1 43	26 2	9 15	23 32	23 32	5 39	9 58	0 46
T 6	21 57	21 7	1 29	15 10	0 31	11 39	2 52	2 13	3 45	7 2	1 12	18 54	1 48	9 5	0 45	3 15	1 43	26 2	9 15	23 32	23 32	5 36	9 58	0 46
W 7	21 49	23 13	0 18	14 40	0 42	11 25	3 5	2 3	3 47	7 4	1 12	18 55	1 48	9 4	0 45	3 15	1 43	26 3	9 15	23 32	23 32	5 34	9 58	0 46
T 8	21 39	24 0	0s54	14 10	0 54	11 11	3 18	1 53	3 48	7 6	1 12	18 56	1 48	9 3	0 45	3 15	1 43	26 3	9 15	23 32	23 32	5 31	9 59	0 46
F 9	21 30	23 29	2 1	13 42	1 5	10 59	3 31	1 43	3 50	7 8	1 11	18 57	1 48	9 2	0 45	3 15	1 43	26 4	9 15	23 32	23 32	5 28	9 59	0 46
S 10	21 20	21 47	3 1	13 13	1 17	10 46	3 45	1 33	3 51	7 10	1 11	18 58	1 48	9 1	0 45	3 16	1 43	26 4	9 16	23 32	23 32	5 26	9 59	0 46
S 11	21 9	19 4	3 52	12 46	1 30	10 35	3 58	1 24	3 53	7 12	1 11	18 59	1 49	9 0	0 45	3 16	1 43	26 5	9 16	23 32	23 32	5 23	9 59	0 46
M12	20 59	15 32	4 31	12 19	1 42	10 24	4 12	1 14	3 54	7 14	1 11	19 0	1 49	8 59	0 44	3 17	1 43	26 5	9 16	23 32	23 32	5 20	9 59	0 46
T 13	20 48	11 26	4 58	11 53	1 54	10 14	4 26	1 5	3 56	7 17	1 10	19 1	1 49	8 57	0 44	3 17	1 43	26 6	9 16	23 32	23 32	5 18	10 0	0 46
W14	20 36	6 56	5 11	11 28	2 7	10 4	4 40	0 56	3 58	7 19	1 10	19 2	1 49	8 56	0 44	3 17	1 43	26 6	9 16	23 32	23 32	5 15	10 0	0 46
T 15	20 25	2 12	5 11	11 5	2 19	9 56	4 53	0 47	3 59	7 22	1 10	19 3	1 49	8 55	0 44	3 18	1 43	26 7	9 16	23 32	23 32	5 12	10 0	0 46
F 16	20 13	2n37	4 58	10 42	2 32	9 48	5 7	0 39	4 1	7 24	1 10	19 4	1 49	8 54	0 44	3 18	1 43	26 7	9 16	23 32	23 32	5 10	10 0	0 46
S 17	20 0	7 23	4 31	10 22	2 44	9 41	5 20	0 30	4 2	7 27	1 9	19 5	1 49	8 53	0 44	3 18	1 42	26 8	9 16	23 32	23 32	5 7	10 0	0 46
S 18	19 47	11 56	3 52	10 2	2 56	9 34	5 34	0 22	4 3	7 29	1 9	19 6	1 49	8 51	0 44	3 19	1 42	26 8	9 16	23 32	23 32	5 4	10 0	0 46
M19	19 34	16 5	3 2	9 45	3 8	9 29	5 47	0 14	4 5	7 32	1 9	19 7	1 49	8 50	0 44	3 19	1 42	26 9	9 17	23 32	23 32	5 2	10 0	0 45
T 20	19 21	19 38	2 2	9 29	3 20	9 24	6 0	0 6	4 6	7 35	1 9	19 8	1 49	8 49	0 44	3 20	1 42	26 9	9 17	23 32	23 32	4 59	10 0	0 45
W21	19 7	22 18	0 54	9 15	3 32	9 21	6 12	0n 2	4 8	7 37	1 8	19 9	1 50	8 48	0 44	3 20	1 42	26 10	9 17	23 32	23 32	4 56	10 0	0 45
T 22	18 53	23 48	0n19	9 3	3 43	9 18	6 24	0 10	4 9	7 40	1 8	19 9	1 50	8 46	0 44	3 21	1 42	26 10	9 17	23 32	23 32	4 54	10 0	0 45
F 23	18 39	23 53	1 33	8 54	3 53	9 16	6 36	0 17	4 11	7 43	1 8	19 10	1 50	8 45	0 44	3 21	1 42	26 11	9 17	23 32	23 31	4 51	10 0	0 45
S 24	18 24	22 26	2 44	8 47	4 3	9 15	6 47	0 24	4 12	7 46	1 8	19 11	1 50	8 44	0 44	3 22	1 42	26 11	9 17	23 32	23 31	4 48	10 0	0 45
S 25	18 9	19 29	3 45	8 43	4 12	9 14	6 57	0 31	4 13	7 49	1 8	19 12	1 50	8 43	0 44	3 22	1 42	26 12	9 17	23 32	23 31	4 45	10 0	0 45
M26	17 54	15 14	4 31	8 41	4 21	9 15	7 7	0 38	4 15	7 52	1 7	19 13	1 50	8 41	0 44	3 23	1 42	26 12	9 17	23 32	23 31	4 43	10 0	0 45
T 27	17 38	10 3	5 0	8 42	4 28	9 16	7 17	0 44	4 16	7 55	1 7	19 13	1 50	8 40	0 44	3 23	1 42	26 12	9 17	23 32	23 31	4 40	9 59	0 45
W28	17 22	4 19	5 9	8 46	4 34	9 18	7 25	0 50	4 17	7 58	1 7	19 14	1 50	8 39	0 44	3 24	1 42	26 13	9 17	23 32	23 31	4 37	9 59	0 45
T 29	17 6	1s36	4 58	8 53	4 38	9 21	7 33	0 56	4 18	8 1	1 7	19 15	1 50	8 37	0 44	3 24	1 42	26 13	9 17	23 32	23 31	4 35	9 59	0 45
F 30	16 50	7 20	4 28	9 2	4 41	9 25	7 40	1 2	4 20	8 4	1 6	19 15	1 51	8 36	0 44	3 25	1 42	26 14	9 17	23 32	23 31	4 32	9 59	0 45
S 31	16n33	12s34	3n42	9n15	4s43	9n29	7s46	1n 8	4s21	8s 7	1n 6	19n16	1s51	8n35	0n44	3s26	1n42	26s14	9s17	23n32	23n31	4s29	9n59	0n45

Julian Day Number = 2193872.5, Delta T = 10m33s
Ecliptic obliquity = 23°31'51, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'03, Lahiri = 14°01'04 Julian Calendar 1 July 1294 == Greg. Calendar 8 July 1294

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

AUGUST 1294 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 7 16	15♌26'14	27♏44	22°R50	12°R30	13♈13	23♎35	4♊21	9♍56	12♎36	11°R42	29♊51	28♊14	0♈41	23°R49	S 1
M 2	21 11 12	16°23'58	11♐ 9	22♌ 0	11♌53	13°29	23°44	4°25	9°59	12°37	11♒41	29°52	28°11	0°48	23♈48	M 2
T 3	21 15 9	17°21'44	24°18	21° 9	11°17	13°45	23°52	4°29	10° 3	12°39	11°40	29°R53	28° 7	0°54	23°47	T 3
W 4	21 19 5	18°19'31	7♑12	20°16	10°42	13°59	24° 1	4°33	10° 6	12°40	11°38	29°53	28° 4	1° 1	23°46	W 4
T 5	21 23 2	19°17'20	19°53	19°23	10° 8	14°13	24° 9	4°37	10°10	12°42	11°37	29°51	28° 1	1° 8	23°46	T 5
F 6	21 26 58	20°15'10	2♒24	18°30	9°35	14°26	24°18	4°41	10°13	12°43	11°36	29°47	27°58	1°14	23°45	F 6
S 7	21 30 55	21°13'01	14°45	17°40	9° 4	14°39	24°27	4°44	10°17	12°45	11°34	29°40	27°55	1°21	23°44	S 7
S 8	21 34 51	22°10'53	26°57	16°53	8°34	14°50	24°36	4°48	10°21	12°46	11°33	29°32	27°52	1°28	23°43	S 8
M 9	21 38 48	23° 8'48	9♓ 2	16° 9	8° 6	15° 1	24°45	4°52	10°24	12°48	11°32	29°22	27°48	1°35	23°42	M 9
T 10	21 42 45	24° 6'43	21° 0	15°31	7°40	15°11	24°54	4°55	10°28	12°50	11°30	29°12	27°45	1°41	23°41	T 10
W11	21 46 41	25° 4'41	2♈54	14°59	7°16	15°21	25° 3	4°58	10°32	12°51	11°29	29° 2	27°42	1°48	23°40	W11
T 12	21 50 38	26° 2'40	14°46	14°33	6°54	15°29	25°13	5° 1	10°35	12°53	11°28	28°53	27°39	1°55	23°39	T 12
F 13	21 54 34	27° 0'42	26°38	14°15	6°35	15°37	25°22	5° 4	10°39	12°54	11°27	28°47	27°36	2° 2	23°37	F 13
S 14	21 58 31	27°58'45	8♉34	14° 5	6°18	15°44	25°32	5° 7	10°43	12°56	11°25	28°43	27°32	2° 8	23°36	S 14
S 15	22 2 27	28°56'50	20°39	14°D 3	6° 3	15°51	25°41	5°10	10°46	12°58	11°24	28°40	27°29	2°15	23°35	S 15
M16	22 6 24	29°54'57	2♊57	14° 9	5°50	15°56	25°51	5°13	10°50	13° 0	11°23	28°D40	27°26	2°22	23°33	M16
T 17	22 10 20	0♍53'06	15°33	14°24	5°40	16° 0	26° 1	5°16	10°54	13° 1	11°22	28°41	27°23	2°28	23°32	T 17
W18	22 14 17	1°51'18	28°33	14°48	5°33	16° 4	26°11	5°18	10°58	13° 3	11°20	28°R41	27°20	2°35	23°30	W18
T 19	22 18 14	2°49'31	11♋59	15°20	5°28	16° 7	26°21	5°21	11° 1	13° 5	11°19	28°40	27°17	2°42	23°29	T 19
F 20	22 22 10	3°47'46	25°54	16° 1	5°25	16° 9	26°31	5°23	11° 5	13° 7	11°18	28°38	27°13	2°49	23°27	F 20
S 21	22 26 7	4°46'04	10♌17	16°49	5°D25	16°10	26°42	5°26	11° 9	13° 9	11°17	28°32	27°10	2°55	23°26	S 21
S 22	22 30 3	5°44'23	25° 4	17°45	5°27	16°R10	26°52	5°28	11°13	13°10	11°15	28°25	27° 7	3° 2	23°24	S 22
M23	22 34 0	6°42'44	10♍ 9	18°49	5°31	16° 9	27° 2	5°30	11°16	13°12	11°14	28°15	27° 4	3° 9	23°22	M23
T 24	22 37 56	7°41'07	25°21	19°59	5°37	16° 8	27°13	5°32	11°20	13°14	11°13	28° 5	27° 1	3°15	23°21	T 24
W25	22 41 53	8°39'32	10♎30	21°16	5°46	16° 5	27°24	5°34	11°24	13°16	11°12	27°55	26°58	3°22	23°19	W25
T 26	22 45 49	9°37'58	25°26	22°38	5°57	16° 2	27°34	5°35	11°28	13°18	11°11	27°48	26°54	3°29	23°17	T 26
F 27	22 49 46	10°36'26	10♏ 1	24° 5	6°10	15°57	27°45	5°37	11°31	13°20	11°10	27°42	26°51	3°36	23°15	F 27
S 28	22 53 43	11°34'56	24°11	25°37	6°25	15°52	27°56	5°39	11°35	13°22	11° 9	27°39	26°48	3°42	23°13	S 28
S 29	22 57 39	12°33'28	7♐56	27°12	6°41	15°46	28° 7	5°40	11°39	13°24	11° 7	27°D38	26°45	3°49	23°11	S 29
M30	23 1 36	13°32'01	21°16	28°52	7° 0	15°39	28°18	5°41	11°43	13°26	11° 6	27°R38	26°42	3°56	23° 9	M30
T 31	23 5 32	14♍30'36	4♑16	0♍34	7♌21	15♈32	28♎29	5♊43	11♍47	13♎28	11♒ 5	27♊38	26♊38	4♈ 3	23♈ 7	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16n16	17s 3	2n45	9n30	4s43	9n34	7s52	1n13	4s22	8s10	1n 6	19n17	1s51	8n33	0n44	3s26	1n42	26s15	9s18	23n32	23n31	4s26	9n58	0n45
M 2	15 59	20 34	1 39	9 48	4 41	9 39	7 56	1 18	4 23	8 14	1 6	19 17	1 51	8 32	0 44	3 27	1 42	26 15	9 18	23 32	23 31	4 24	9 58	0 45
T 3	15 41	22 54	0 30	10 8	4 37	9 45	8 0	1 23	4 24	8 17	1 6	19 18	1 51	8 31	0 44	3 27	1 42	26 16	9 18	23 32	23 31	4 21	9 58	0 45
W 4	15 24	23 59	0s39	10 30	4 31	9 52	8 3	1 28	4 25	8 20	1 5	19 19	1 51	8 29	0 44	3 28	1 42	26 16	9 18	23 32	23 31	4 18	9 57	0 45
T 5	15 6	23 47	1 46	10 54	4 23	9 59	8 5	1 32	4 26	8 24	1 5	19 19	1 51	8 28	0 44	3 29	1 42	26 16	9 18	23 32	23 31	4 16	9 57	0 45
F 6	14 47	22 23	2 46	11 19	4 14	10 7	8 6	1 36	4 27	8 27	1 5	19 20	1 51	8 27	0 44	3 29	1 42	26 17	9 18	23 32	23 31	4 13	9 57	0 45
S 7	14 29	19 55	3 37	11 45	4 2	10 14	8 6	1 40	4 28	8 30	1 5	19 20	1 52	8 25	0 44	3 30	1 42	26 17	9 18	23 32	23 31	4 10	9 56	0 45
S 8	14 10	16 36	4 17	12 12	3 49	10 22	8 5	1 44	4 29	8 34	1 4	19 21	1 52	8 24	0 44	3 30	1 41	26 18	9 18	23 32	23 31	4 7	9 56	0 45
M 9	13 51	12 37	4 46	12 38	3 35	10 31	8 4	1 47	4 30	8 37	1 4	19 21	1 52	8 22	0 44	3 31	1 41	26 18	9 18	23 32	23 31	4 5	9 56	0 45
T 10	13 32	8 11	5 2	13 4	3 19	10 39	8 2	1 50	4 31	8 41	1 4	19 22	1 52	8 21	0 44	3 32	1 41	26 18	9 18	23 32	23 31	4 2	9 55	0 45
W11	13 13	3 29	5 4	13 30	3 2	10 48	7 59	1 53	4 32	8 45	1 4	19 22	1 52	8 20	0 44	3 32	1 41	26 19	9 18	23 32	23 31	3 59	9 55	0 45
T 12	12 53	1n20	4 53	13 54	2 45	10 57	7 55	1 56	4 32	8 48	1 4	19 23	1 52	8 18	0 44	3 33	1 41	26 19	9 18	23 32	23 31	3 56	9 54	0 45
F 13	12 33	6 7	4 30	14 17	2 27	11 5	7 51	1 58	4 33	8 52	1 3	19 23	1 52	8 17	0 44	3 34	1 41	26 19	9 18	23 32	23 31	3 54	9 54	0 45
S 14	12 13	10 43	3 55	14 37	2 8	11 14	7 46	2 1	4 34	8 56	1 3	19 23	1 52	8 15	0 44	3 34	1 41	26 20	9 18	23 31	23 30	3 51	9 53	0 45
S 15	11 53	14 57	3 8	14 56	1 50	11 23	7 41	2 2	4 34	8 59	1 3	19 24	1 53	8 14	0 44	3 35	1 41	26 20	9 18	23 31	23 30	3 48	9 53	0 45
M16	11 33	18 39	2 13	15 12	1 31	11 31	7 35	2 4	4 35	9 3	1 3	19 24	1 53	8 12	0 44	3 36	1 41	26 21	9 18	23 31	23 30	3 45	9 52	0 44
T 17	11 12	21 36	1 9	15 25	1 13	11 40	7 29	2 5	4 35	9 7	1 3	19 25	1 53	8 11	0 44	3 37	1 41	26 21	9 18	23 31	23 30	3 43	9 52	0 44
W18	10 51	23 31	0 1	15 35	0 55	11 48	7 22	2 6	4 35	9 11	1 3	19 25	1 53	8 10	0 44	3 37	1 41	26 21	9 18	23 31	23 30	3 40	9 51	0 44
T 19	10 30	24 9	1n10	15 42	0 37	11 56	7 15	2 7	4 36	9 14	1 2	19 25	1 53	8 8	0 44	3 38	1 41	26 22	9 18	23 31	23 30	3 37	9 50	0 44
F 20	10 9	23 20	2 19	15 46	0 20	12 4	7 8	2 8	4 36	9 18	1 2	19 25	1 53	8 7	0 44	3 39	1 41	26 22	9 18	23 31	23 30	3 34	9 50	0 44
S 21	9 48	20 58	3 22	15 47	0 5	12 12	7 0	2 8	4 36	9 22	1 2	19 26	1 53	8 5	0 44	3 39	1 41	26 22	9 18	23 31	23 30	3 32	9 49	0 44
S 22	9 27	17 11	4 13	15 44	0n10	12 19	6 52	2 8	4 36	9 26	1 2	19 26	1 54	8 4	0 44	3 40	1 41	26 22	9 18	23 31	23 30	3 29	9 48	0 44
M23	9 5	12 13	4 47	15 38	0 25	12 26	6 44	2 8	4 36	9 30	1 2	19 26	1 54	8 2	0 44	3 41	1 41	26 23	9 17	23 31	23 30	3 26	9 48	0 44
T 24	8 43	6 28	5 2	15 28	0 38	12 33	6 35	2 7	4 36	9 34	1 1	19 26	1 54	8 1	0 44	3 42	1 41	26 23	9 17	23 31	23 30	3 23	9 47	0 44
W25	8 21	0 21	4 55	15 15	0 50	12 39	6 27	2 6	4 36	9 38	1 1	19 27	1 54	8 0	0 44	3 43	1 41	26 23	9 17	23 31	23 30	3 21	9 46	0 44
T 26	7 59	5s43	4 28	14 59	1 0	12 45	6 18	2 5	4 36	9 42	1 1	19 27	1 54	7 58	0 44	3 43	1 41	26 24	9 17	23 31	23 30	3 18	9 46	0 44
F 27	7 37	11 20	3 44	14 39	1 10	12 51	6 9	2 4	4 35	9 46	1 1	19 27	1 54	7 57	0 44	3 44	1 41	26 24	9 17	23 31	23 30	3 15	9 45	0 44
S 28	7 15	16 11	2 47	14 16	1 19	12 56	6 0	2 3	4 35	9 50	1 1	19 27	1 54	7 55	0 44	3 45	1 41	26 24	9 17	23 31	23 30	3 12	9 44	0 44
S 29	6 52	20 2	1 42	13 50	1 26	13 0	5 51	2 1	4 34	9 54	1 1	19 27	1 55	7 54	0 44	3 46	1 41	26 24	9 17	23 31	23 29	3 10	9 43	0 44
M30	6 30	22 41	0 34	13 22	1 33	13 5	5 42	1 59	4 33	9 58	1 0	19 27	1 55	7 52	0 44	3 46	1 41	26 25	9 17	23 31	23 29	3 7	9 42	0 44
T 31	6n 7	24s 3	0s35	12n51	1n38	13n 9	5s32	1n57	4s33	10s 2	1n 0	19n27	1s55	7n51	0n44	3s47	1n41	26s25	9s17	23n31	23n29	3s 4	9n42	0n44

Julian Day Number = 2193903.5, Delta T = 10m33s
Ecliptic obliquity = 23°31'51, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'08, Lahiri = 14°01'08 Julian Calendar 1 Aug. 1294 == Greg. Calendar 8 Aug. 1294

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

SEPTEMBER 1294 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	23 9 29	15♍29'12	16♉57	2♍18	7♌43	15°R23	28♎40	5♊44	11♍50	13♎30	11°R 4	27°R36	26♊35	4♈ 9	23°R 5	W 1
T 2	23 13 25	16°27'50	29°25	4° 4	8° 8	15♈14	28°51	5°45	11°54	13°32	11♒ 3	27♊33	26°32	4°16	23♈ 3	T 2
F 3	23 17 22	17°26'30	11♒42	5°52	8°34	15° 4	29° 3	5°46	11°58	13°34	11° 2	27°26	26°29	4°23	23° 0	F 3
S 4	23 21 18	18°25'12	23°51	7°41	9° 1	14°53	29°14	5°46	12° 2	13°36	11° 1	27°17	26°26	4°29	22°58	S 4
S 5	23 25 15	19°23'56	5♓53	9°30	9°30	14°41	29°25	5°47	12° 5	13°38	11° 0	27° 5	26°23	4°36	22°56	S 5
M 6	23 29 11	20°22'42	17°51	11°20	10° 1	14°29	29°37	5°48	12° 9	13°40	10°59	26°52	26°19	4°43	22°54	M 6
T 7	23 33 8	21°21'29	29°45	13°11	10°33	14°16	29°49	5°48	12°13	13°42	10°58	26°37	26°16	4°50	22°51	T 7
W 8	23 37 5	22°20'19	11♈38	15° 1	11° 7	14° 2	0♏ 0	5°48	12°17	13°44	10°57	26°23	26°13	4°56	22°49	W 8
T 9	23 41 1	23°19'11	23°29	16°51	11°41	13°48	0°12	5°49	12°20	13°47	10°56	26°11	26°10	5° 3	22°47	T 9
F 10	23 44 58	24°18'05	5♉22	18°41	12°18	13°33	0°24	5°49	12°24	13°49	10°55	26° 1	26° 7	5°10	22°44	F 10
S 11	23 48 54	25°17'01	17°20	20°31	12°55	13°17	0°36	5°R49	12°28	13°51	10°55	25°54	26° 4	5°16	22°42	S 11
S 12	23 52 51	26°16'00	29°25	22°20	13°34	13° 1	0°48	5°49	12°31	13°53	10°54	25°50	26° 0	5°23	22°39	S 12
M13	23 56 47	27°15'01	11♊41	24° 8	14°14	12°44	1° 0	5°48	12°35	13°55	10°53	25°48	25°57	5°30	22°37	M13
T 14	0 0 44	28°14'04	24°14	25°56	14°55	12°27	1°12	5°48	12°39	13°57	10°52	25°48	25°54	5°37	22°34	T 14
W15	0 4 40	29°13'10	7♋ 8	27°43	15°37	12°10	1°24	5°48	12°43	13°59	10°51	25°48	25°51	5°43	22°32	W15
T 16	0 8 37	0♎12'18	20°27	29°29	16°20	11°52	1°36	5°47	12°46	14° 2	10°50	25°47	25°48	5°50	22°29	T 16
F 17	0 12 34	1°11'28	4♌15	1♎14	17° 5	11°33	1°48	5°46	12°50	14° 4	10°50	25°44	25°44	5°57	22°26	F 17
S 18	0 16 30	2°10'41	18°32	2°59	17°50	11°15	2° 0	5°46	12°53	14° 6	10°49	25°38	25°41	6° 4	22°24	S 18
S 19	0 20 27	3° 9'56	3♍18	4°43	18°36	10°56	2°13	5°45	12°57	14° 8	10°48	25°30	25°38	6°10	22°21	S 19
M20	0 24 23	4° 9'13	18°24	6°26	19°23	10°37	2°25	5°44	13° 1	14°10	10°48	25°20	25°35	6°17	22°18	M20
T 21	0 28 20	5° 8'32	3♎43	8° 9	20°11	10°17	2°37	5°43	13° 4	14°13	10°47	25° 9	25°32	6°24	22°16	T 21
W22	0 32 16	6° 7'54	19° 3	9°50	21° 0	9°58	2°50	5°41	13° 8	14°15	10°46	24°58	25°29	6°30	22°13	W22
T 23	0 36 13	7° 7'17	4♏12	11°31	21°49	9°39	3° 2	5°40	13°11	14°17	10°46	24°49	25°25	6°37	22°10	T 23
F 24	0 40 9	8° 6'43	19° 1	13°11	22°40	9°19	3°15	5°39	13°15	14°19	10°45	24°42	25°22	6°44	22° 7	F 24
S 25	0 44 6	9° 6'10	3♐24	14°51	23°31	9° 0	3°27	5°37	13°18	14°22	10°44	24°38	25°19	6°51	22° 5	S 25
S 26	0 48 3	10° 5'39	17°17	16°29	24°23	8°41	3°40	5°36	13°22	14°24	10°44	24°37	25°16	6°57	22° 2	S 26
M27	0 51 59	11° 5'10	0♑43	18° 7	25°15	8°22	3°53	5°34	13°25	14°26	10°43	24°D37	25°13	7° 4	21°59	M27
T 28	0 55 56	12° 4'43	13°43	19°45	26° 8	8° 3	4° 5	5°32	13°29	14°28	10°43	24°R37	25° 9	7°11	21°56	T 28
W29	0 59 52	13° 4'18	26°22	21°21	27° 2	7°45	4°18	5°30	13°32	14°31	10°42	24°36	25° 6	7°17	21°53	W29
T 30	1 3 49	14♎ 3'54	8♒45	22♎57	27♌57	7♈27	4♏31	5♊28	13♍36	14♎33	10♒42	24♊33	25♊ 3	7♈24	21♈50	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5n45	24s 7	1s40	12n17	1n42	13n12	5s23	1n54	4s32	10s 6	1n 0	19n27	1s55	7n49	0n44	3s48	1n41	26s25	9s17	23n31	23n29	3s 1	9n41	0n44
T 2	5 22	22 57	2 40	11 42	1 46	13 15	5 14	1 51	4 31	10 10	1 0	19 27	1 55	7 48	0 44	3 49	1 41	26 25	9 17	23 30	23 29	2 59	9 40	0 44
F 3	4 59	20 42	3 30	11 4	1 48	13 18	5 4	1 49	4 30	10 15	1 0	19 27	1 55	7 47	0 44	3 50	1 41	26 26	9 17	23 30	23 29	2 56	9 39	0 44
S 4	4 36	17 34	4 11	10 25	1 50	13 20	4 55	1 46	4 28	10 19	1 0	19 27	1 55	7 45	0 44	3 50	1 41	26 26	9 17	23 30	23 29	2 53	9 38	0 44
S 5	4 13	13 43	4 40	9 45	1 51	13 21	4 46	1 42	4 27	10 23	1 0	19 27	1 56	7 44	0 44	3 51	1 41	26 26	9 17	23 30	23 29	2 50	9 37	0 43
M 6	3 50	9 21	4 56	9 3	1 51	13 22	4 36	1 39	4 26	10 27	0 59	19 27	1 56	7 42	0 44	3 52	1 41	26 26	9 16	23 30	23 29	2 47	9 36	0 43
T 7	3 26	4 40	4 59	8 20	1 50	13 23	4 27	1 35	4 24	10 31	0 59	19 27	1 56	7 41	0 44	3 53	1 41	26 26	9 16	23 29	23 29	2 45	9 36	0 43
W 8	3 3	0n11	4 49	7 36	1 49	13 23	4 18	1 32	4 22	10 36	0 59	19 27	1 56	7 39	0 44	3 54	1 41	26 26	9 16	23 29	23 29	2 42	9 35	0 43
T 9	2 40	5 2	4 27	6 51	1 47	13 22	4 8	1 28	4 20	10 40	0 59	19 27	1 56	7 38	0 44	3 55	1 41	26 27	9 16	23 29	23 29	2 39	9 34	0 43
F 10	2 16	9 42	3 53	6 6	1 45	13 21	3 59	1 24	4 18	10 44	0 59	19 27	1 56	7 37	0 44	3 55	1 41	26 27	9 16	23 28	23 28	2 36	9 33	0 43
S 11	1 53	14 4	3 8	5 20	1 42	13 19	3 50	1 20	4 16	10 48	0 59	19 27	1 56	7 35	0 44	3 56	1 41	26 27	9 16	23 28	23 28	2 33	9 32	0 43
S 12	1 29	17 55	2 15	4 34	1 38	13 17	3 41	1 15	4 14	10 53	0 59	19 27	1 57	7 34	0 44	3 57	1 41	26 27	9 16	23 28	23 28	2 31	9 31	0 43
M13	1 6	21 3	1 14	3 47	1 35	13 14	3 32	1 11	4 12	10 57	0 58	19 26	1 57	7 32	0 44	3 58	1 41	26 27	9 16	23 28	23 28	2 28	9 30	0 43
T 14	0 42	23 16	0 8	3 0	1 30	13 11	3 23	1 7	4 9	11 1	0 58	19 26	1 57	7 31	0 44	3 59	1 41	26 27	9 16	23 28	23 28	2 25	9 29	0 43
W15	0 19	24 20	1n 0	2 13	1 26	13 7	3 14	1 2	4 7	11 6	0 58	19 26	1 57	7 30	0 44	4 0	1 41	26 27	9 15	23 28	23 28	2 22	9 28	0 43
T 16	0s 5	24 3	2 6	1 27	1 21	13 3	3 6	0 58	4 4	11 10	0 58	19 26	1 57	7 28	0 44	4 1	1 41	26 28	9 15	23 28	23 28	2 19	9 27	0 43
F 17	0 29	22 19	3 8	0 40	1 16	12 58	2 57	0 53	4 1	11 14	0 58	19 26	1 57	7 27	0 44	4 1	1 41	26 28	9 15	23 28	23 28	2 17	9 26	0 43
S 18	0 52	19 8	4 0	0s 7	1 10	12 52	2 48	0 49	3 58	11 19	0 58	19 25	1 57	7 25	0 44	4 2	1 41	26 28	9 15	23 28	23 28	2 14	9 25	0 43
S 19	1 16	14 39	4 38	0 54	1 5	12 46	2 40	0 44	3 55	11 23	0 58	19 25	1 58	7 24	0 44	4 3	1 41	26 28	9 15	23 27	23 28	2 11	9 24	0 43
M20	1 39	9 10	4 58	1 40	0 59	12 40	2 32	0 39	3 52	11 27	0 58	19 25	1 58	7 23	0 44	4 4	1 40	26 28	9 15	23 27	23 27	2 8	9 22	0 43
T 21	2 3	3 3	4 57	2 26	0 53	12 33	2 23	0 35	3 49	11 32	0 57	19 24	1 58	7 21	0 44	4 5	1 40	26 28	9 15	23 27	23 27	2 5	9 21	0 43
W22	2 27	3s15	4 35	3 12	0 47	12 25	2 15	0 30	3 45	11 36	0 57	19 24	1 58	7 20	0 44	4 6	1 40	26 28	9 14	23 26	23 27	2 3	9 20	0 42
T 23	2 50	9 19	3 53	3 57	0 40	12 17	2 7	0 26	3 42	11 41	0 57	19 24	1 58	7 19	0 44	4 7	1 40	26 28	9 14	23 26	23 27	2 0	9 19	0 42
F 24	3 14	14 43	2 56	4 42	0 34	12 8	1 59	0 22	3 38	11 45	0 57	19 23	1 58	7 17	0 44	4 7	1 40	26 28	9 14	23 25	23 27	1 57	9 18	0 42
S 25	3 37	19 7	1 50	5 27	0 27	11 59	1 51	0 17	3 35	11 49	0 57	19 23	1 58	7 16	0 44	4 8	1 40	26 28	9 14	23 25	23 27	1 54	9 17	0 42
S 26	4 1	22 17	0 39	6 11	0 21	11 49	1 44	0 13	3 31	11 54	0 57	19 23	1 58	7 15	0 44	4 9	1 40	26 28	9 14	23 25	23 27	1 51	9 16	0 42
M27	4 24	24 4	0s32	6 55	0 14	11 39	1 36	0 9	3 27	11 58	0 57	19 22	1 59	7 13	0 44	4 10	1 40	26 28	9 14	23 25	23 27	1 49	9 15	0 42
T 28	4 48	24 28	1 40	7 38	0 7	11 28	1 28	0 6	3 23	12 3	0 57	19 22	1 59	7 12	0 44	4 11	1 40	26 28	9 14	23 25	23 27	1 46	9 14	0 42
W29	5 11	23 35	2 40	8 21	0 0	11 17	1 21	0 2	3 19	12 7	0 57	19 21	1 59	7 11	0 44	4 12	1 40	26 28	9 13	23 25	23 26	1 43	9 12	0 42
T 30	5s34	21s32	3s31	9s 3	0s 6	11n 5	1s14	0s 2	3s15	12s11	0n56	19n21	1s59	7n 9	0n44	4s13	1n40	26s28	9s13	23n25	23n26	1s40	9n11	0n42

Julian Day Number = 2193934.5, Delta T = 10m32s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'12, Lahiri = 14°01'12 Julian Calendar 1 Sept. 1294 == Greg. Calendar 8 Sept. 1294

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

OCTOBER 1294 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	1 7 45	15♎ 3'32	20♒54	24♎33	28♌52	7°R 9	4♏44	5°R26	13♍39	14♎35	10°R41	24°R28	25♊ 0	7♈31	21°R47	F 1
S 2	1 11 42	16° 3'12	2♓56	26° 7	29°48	6♈51	4°57	5♊24	13°42	14°37	10♒41	24♊20	24°57	7°38	21♈45	S 2
S 3	1 15 38	17° 2'54	14°52	27°41	0♍44	6°35	5° 9	5°21	13°46	14°40	10°41	24°10	24°54	7°44	21°42	S 3
M 4	1 19 35	18° 2'37	26°45	29°15	1°41	6°18	5°22	5°19	13°49	14°42	10°40	23°58	24°50	7°51	21°39	M 4
T 5	1 23 32	19° 2'23	8♈38	0♏48	2°38	6° 2	5°35	5°16	13°52	14°44	10°40	23°45	24°47	7°58	21°36	T 5
W 6	1 27 28	20° 2'10	20°31	2°20	3°36	5°47	5°48	5°13	13°55	14°46	10°40	23°32	24°44	8° 4	21°33	W 6
T 7	1 31 25	21° 1'59	2♉26	3°52	4°34	5°32	6° 1	5°11	13°59	14°48	10°39	23°21	24°41	8°11	21°30	T 7
F 8	1 35 21	22° 1'51	14°25	5°23	5°33	5°18	6°14	5° 8	14° 2	14°51	10°39	23°13	24°38	8°18	21°27	F 8
S 9	1 39 18	23° 1'45	26°29	6°54	6°33	5° 4	6°27	5° 5	14° 5	14°53	10°39	23° 6	24°35	8°25	21°24	S 9
S 10	1 43 14	24° 1'40	8♊40	8°24	7°32	4°51	6°40	5° 2	14° 8	14°55	10°39	23° 3	24°31	8°31	21°21	S 10
M11	1 47 11	25° 1'38	21° 2	9°54	8°33	4°39	6°54	4°59	14°11	14°57	10°39	23°D 2	24°28	8°38	21°19	M11
T 12	1 51 7	26° 1'39	3♋37	11°23	9°34	4°28	7° 7	4°56	14°14	15° 0	10°38	23° 2	24°25	8°45	21°16	T 12
W13	1 55 4	27° 1'41	16°30	12°52	10°35	4°17	7°20	4°52	14°17	15° 2	10°38	23° 3	24°22	8°52	21°13	W13
T 14	1 59 0	28° 1'45	29°45	14°20	11°36	4° 7	7°33	4°49	14°20	15° 4	10°38	23°R 4	24°19	8°58	21°10	T 14
F 15	2 2 57	29° 1'52	13♌23	15°47	12°38	3°57	7°46	4°45	14°23	15° 6	10°38	23° 2	24°15	9° 5	21° 7	F 15
S 16	2 6 54	0♏ 2'01	27°28	17°14	13°41	3°49	7°59	4°42	14°26	15° 8	10°38	22°59	24°12	9°12	21° 4	S 16
S 17	2 10 50	1° 2'12	11♍58	18°40	14°43	3°41	8°13	4°38	14°29	15°11	10°D38	22°54	24° 9	9°18	21° 1	S 17
M18	2 14 47	2° 2'25	26°51	20° 6	15°46	3°34	8°26	4°35	14°32	15°13	10°38	22°47	24° 6	9°25	20°58	M18
T 19	2 18 43	3° 2'40	11♎58	21°31	16°50	3°28	8°39	4°31	14°35	15°15	10°38	22°39	24° 3	9°32	20°56	T 19
W20	2 22 40	4° 2'57	27°10	22°55	17°54	3°23	8°52	4°27	14°38	15°17	10°38	22°32	24° 0	9°39	20°53	W20
T 21	2 26 36	5° 3'16	12♏18	24°18	18°58	3°18	9° 6	4°23	14°40	15°19	10°38	22°25	23°56	9°45	20°50	T 21
F 22	2 30 33	6° 3'36	27°10	25°41	20° 2	3°15	9°19	4°19	14°43	15°21	10°38	22°21	23°53	9°52	20°47	F 22
S 23	2 34 29	7° 3'59	11♐39	27° 2	21° 7	3°12	9°32	4°15	14°46	15°23	10°38	22°18	23°50	9°59	20°45	S 23
S 24	2 38 26	8° 4'23	25°42	28°23	22°12	3°10	9°45	4°11	14°48	15°26	10°39	22°D18	23°47	10° 5	20°42	S 24
M25	2 42 23	9° 4'48	9♑16	29°42	23°17	3° 8	9°59	4° 7	14°51	15°28	10°39	22°19	23°44	10°12	20°39	M25
T 26	2 46 19	10° 5'15	22°23	1♐ 0	24°23	3°D 8	10°12	4° 2	14°54	15°30	10°39	22°20	23°41	10°19	20°36	T 26
W27	2 50 16	11° 5'43	5♒ 7	2°17	25°28	3° 8	10°25	3°58	14°56	15°32	10°39	22°21	23°37	10°26	20°34	W27
T 28	2 54 12	12° 6'12	17°31	3°32	26°35	3°10	10°39	3°54	14°59	15°34	10°40	22°R21	23°34	10°32	20°31	T 28
F 29	2 58 9	13° 6'43	29°41	4°45	27°41	3°12	10°52	3°49	15° 1	15°36	10°40	22°20	23°31	10°39	20°28	F 29
S 30	3 2 5	14° 7'15	11♓40	5°56	28°47	3°14	11° 5	3°45	15° 3	15°38	10°40	22°16	23°28	10°46	20°26	S 30
S 31	3 6 2	15♏ 7'48	23♓34	7♐ 5	29♍54	3♈18	11♏18	3♊40	15♍ 6	15♎40	10♒41	22♊11	23♊25	10♈52	20♈23	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	5s57	18s34	4s12	9s45	0s13	10n52	1s 7	0s 5	3s11	12s16	0n56	19n20	1s59	7n 8	0n44	4s14	1n40	26s28	9s13	23n25	23n26	1s37	9n10	0n42
S 2	6 20	14 50	4 41	10 26	0 20	10 40	0 59	0 8	3 7	12 20	0 56	19 20	1 59	7 7	0 44	4 14	1 41	26 28	9 13	23 25	23 26	1 34	9 9	0 42
S 3	6 43	10 33	4 58	11 7	0 27	10 26	0 53	0 11	3 3	12 25	0 56	19 19	1 59	7 5	0 44	4 15	1 41	26 28	9 13	23 24	23 26	1 32	9 8	0 42
M 4	7 6	5 54	5 2	11 46	0 34	10 12	0 46	0 13	2 59	12 29	0 56	19 19	1 59	7 4	0 44	4 16	1 41	26 28	9 13	23 24	23 26	1 29	9 7	0 42
T 5	7 29	1 2	4 52	12 26	0 40	9 58	0 39	0 16	2 55	12 33	0 56	19 18	1 59	7 3	0 44	4 17	1 41	26 28	9 12	23 23	23 26	1 26	9 6	0 41
W 6	7 52	3n53	4 30	13 4	0 47	9 43	0 32	0 18	2 50	12 38	0 56	19 18	2 0	7 2	0 44	4 18	1 41	26 28	9 12	23 22	23 26	1 23	9 4	0 41
T 7	8 14	8 41	3 56	13 42	0 54	9 28	0 26	0 20	2 46	12 42	0 56	19 17	2 0	7 1	0 44	4 19	1 41	26 28	9 12	23 22	23 25	1 20	9 3	0 41
F 8	8 37	13 11	3 11	14 19	1 0	9 12	0 20	0 22	2 42	12 47	0 56	19 16	2 0	6 59	0 44	4 20	1 41	26 28	9 12	23 21	23 25	1 17	9 2	0 41
S 9	8 59	17 13	2 17	14 55	1 7	8 56	0 13	0 23	2 37	12 51	0 56	19 16	2 0	6 58	0 44	4 20	1 41	26 27	9 12	23 21	23 25	1 15	9 1	0 41
S 10	9 21	20 35	1 16	15 31	1 13	8 40	0 7	0 24	2 33	12 55	0 56	19 15	2 0	6 57	0 44	4 21	1 41	26 27	9 12	23 21	23 25	1 12	9 0	0 41
M11	9 43	23 3	0 11	16 6	1 20	8 22	0 1	0 25	2 29	13 0	0 55	19 15	2 0	6 56	0 44	4 22	1 41	26 27	9 11	23 21	23 25	1 9	8 59	0 41
T 12	10 5	24 25	0n56	16 40	1 26	8 5	0n 4	0 26	2 25	13 4	0 55	19 14	2 0	6 55	0 44	4 23	1 41	26 27	9 11	23 21	23 25	1 6	8 57	0 41
W13	10 27	24 32	2 2	17 13	1 32	7 47	0 10	0 26	2 20	13 8	0 55	19 13	2 0	6 53	0 45	4 24	1 41	26 27	9 11	23 21	23 25	1 3	8 56	0 41
T 14	10 49	23 16	3 4	17 45	1 38	7 29	0 16	0 26	2 16	13 13	0 55	19 13	2 0	6 52	0 45	4 25	1 41	26 27	9 11	23 21	23 24	1 0	8 55	0 41
F 15	11 10	20 38	3 57	18 16	1 43	7 10	0 21	0 26	2 12	13 17	0 55	19 12	2 0	6 51	0 45	4 25	1 41	26 27	9 11	23 21	23 24	0 57	8 54	0 41
S 16	11 32	16 44	4 37	18 47	1 49	6 51	0 27	0 26	2 7	13 21	0 55	19 11	2 0	6 50	0 45	4 26	1 41	26 26	9 10	23 21	23 24	0 55	8 53	0 41
S 17	11 53	11 44	5 1	19 16	1 54	6 32	0 32	0 25	2 3	13 26	0 55	19 11	2 0	6 49	0 45	4 27	1 41	26 26	9 10	23 20	23 24	0 52	8 52	0 40
M18	12 14	5 56	5 6	19 45	1 59	6 12	0 37	0 24	1 59	13 30	0 55	19 10	2 0	6 48	0 45	4 28	1 41	26 26	9 10	23 20	23 24	0 49	8 50	0 40
T 19	12 34	0s18	4 50	20 12	2 4	5 52	0 42	0 22	1 55	13 34	0 55	19 9	2 0	6 47	0 45	4 29	1 41	26 26	9 10	23 20	23 24	0 46	8 49	0 40
W20	12 55	6 34	4 13	20 39	2 9	5 31	0 47	0 21	1 51	13 39	0 55	19 8	2 1	6 46	0 45	4 30	1 41	26 26	9 10	23 19	23 24	0 43	8 48	0 40
T 21	13 15	12 26	3 19	21 4	2 13	5 10	0 51	0 19	1 47	13 43	0 55	19 8	2 1	6 45	0 45	4 30	1 41	26 26	9 10	23 19	23 24	0 40	8 47	0 40
F 22	13 36	17 28	2 11	21 29	2 17	4 49	0 56	0 17	1 43	13 47	0 55	19 7	2 1	6 44	0 45	4 31	1 41	26 25	9 9	23 19	23 23	0 38	8 46	0 40
S 23	13 55	21 19	0 57	21 52	2 21	4 27	1 0	0 14	1 39	13 52	0 55	19 6	2 1	6 43	0 45	4 32	1 41	26 25	9 9	23 18	23 23	0 35	8 45	0 40
S 24	14 15	23 46	0s18	22 13	2 25	4 6	1 5	0 11	1 35	13 56	0 55	19 5	2 1	6 42	0 45	4 33	1 41	26 25	9 9	23 18	23 23	0 32	8 44	0 40
M25	14 35	24 43	1 31	22 34	2 28	3 44	1 9	0 8	1 31	14 0	0 54	19 4	2 1	6 41	0 45	4 34	1 41	26 25	9 9	23 18	23 23	0 29	8 42	0 40
T 26	14 54	24 13	2 36	22 53	2 30	3 21	1 13	0 5	1 27	14 4	0 54	19 4	2 1	6 40	0 45	4 34	1 41	26 24	9 9	23 19	23 23	0 26	8 41	0 40
W27	15 13	22 28	3 31	23 11	2 33	2 59	1 17	0 2	1 24	14 9	0 54	19 3	2 1	6 39	0 45	4 35	1 41	26 24	9 8	23 19	23 23	0 23	8 40	0 40
T 28	15 32	19 41	4 15	23 28	2 35	2 36	1 20	0n 2	1 20	14 13	0 54	19 2	2 1	6 38	0 45	4 36	1 41	26 24	9 8	23 19	23 22	0 20	8 39	0 39
F 29	15 50	16 6	4 47	23 43	2 36	2 13	1 24	0 6	1 16	14 17	0 54	19 1	2 1	6 37	0 45	4 37	1 41	26 24	9 8	23 18	23 22	0 17	8 38	0 39
S 30	16 8	11 54	5 5	23 57	2 37	1 49	1 28	0 11	1 13	14 21	0 54	19 0	2 1	6 36	0 45	4 37	1 41	26 23	9 8	23 18	23 22	0 15	8 37	0 39
S 31	16s26	7s18	5s10	24s 9	2s37	1n26	1n31	0n15	1s 9	14s25	0n54	18n59	2s 1	6n35	0n45	4s38	1n41	26s23	9s 8	23n18	23n22	0s12	8n36	0n39

Julian Day Number = 2193964.5, Delta T = 10m32s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'16, Lahiri = 14°01'17 Julian Calendar 1 Oct. 1294 == Greg. Calendar 8 Oct. 1294

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

NOVEMBER 1294 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	3 9 58	16♏ 8'23	5♈26	8♐11	1♎ 1	3♈22	11♏32	3°R36	15♍ 8	15♎42	10♒41	22°R 5	23♊21	10♈59	20°R21	M 1
T 2	3 13 55	17° 8'59	17°18	9°15	2° 9	3°27	11°45	3♊31	15°10	15°44	10°41	21♊58	23°18	11° 6	20♈18	T 2
W 3	3 17 52	18° 9'37	29°14	10°15	3°16	3°33	11°58	3°26	15°12	15°46	10°42	21°52	23°15	11°13	20°16	W 3
T 4	3 21 48	19°10'15	11♉15	11°11	4°24	3°40	12°12	3°22	15°15	15°48	10°42	21°46	23°12	11°19	20°13	T 4
F 5	3 25 45	20°10'56	23°24	12° 3	5°32	3°47	12°25	3°17	15°17	15°50	10°43	21°41	23° 9	11°26	20°11	F 5
S 6	3 29 41	21°11'37	5♊40	12°50	6°40	3°55	12°38	3°12	15°19	15°52	10°43	21°38	23° 6	11°33	20° 8	S 6
S 7	3 33 38	22°12'20	18° 6	13°31	7°48	4° 4	12°51	3° 7	15°21	15°54	10°44	21°D37	23° 2	11°39	20° 6	S 7
M 8	3 37 34	23°13'05	0♋42	14° 6	8°57	4°13	13° 4	3° 2	15°23	15°56	10°44	21°38	22°59	11°46	20° 4	M 8
T 9	3 41 31	24°13'51	13°31	14°35	10° 6	4°23	13°18	2°58	15°25	15°57	10°45	21°39	22°56	11°53	20° 1	T 9
W10	3 45 27	25°14'39	26°34	14°55	11°15	4°33	13°31	2°53	15°27	15°59	10°46	21°41	22°53	12° 0	19°59	W10
T 11	3 49 24	26°15'28	9♌53	15° 7	12°24	4°45	13°44	2°48	15°28	16° 1	10°46	21°42	22°50	12° 6	19°57	T 11
F 12	3 53 21	27°16'19	23°29	15°R 9	13°33	4°57	13°57	2°43	15°30	16° 3	10°47	21°R43	22°46	12°13	19°55	F 12
S 13	3 57 17	28°17'11	7♍25	15° 2	14°42	5° 9	14°10	2°38	15°32	16° 5	10°48	21°43	22°43	12°20	19°53	S 13
S 14	4 1 14	29°18'04	21°39	14°44	15°52	5°22	14°23	2°33	15°34	16° 6	10°48	21°41	22°40	12°26	19°51	S 14
M15	4 5 10	0♐18'59	6♎ 9	14°14	17° 2	5°36	14°36	2°28	15°35	16° 8	10°49	21°39	22°37	12°33	19°48	M15
T 16	4 9 7	1°19'56	20°52	13°34	18°12	5°50	14°50	2°23	15°37	16°10	10°50	21°36	22°34	12°40	19°46	T 16
W17	4 13 3	2°20'53	5♏40	12°43	19°22	6° 5	15° 3	2°18	15°38	16°12	10°51	21°34	22°31	12°47	19°45	W17
T 18	4 17 0	3°21'52	20°28	11°41	20°32	6°20	15°16	2°13	15°40	16°13	10°52	21°31	22°27	12°53	19°43	T 18
F 19	4 20 56	4°22'52	5♐ 6	10°31	21°43	6°36	15°29	2° 8	15°41	16°15	10°53	21°30	22°24	13° 0	19°41	F 19
S 20	4 24 53	5°23'53	19°29	9°14	22°53	6°53	15°41	2° 3	15°42	16°17	10°53	21°D29	22°21	13° 7	19°39	S 20
S 21	4 28 50	6°24'55	3♑30	7°53	24° 4	7°10	15°54	1°58	15°44	16°18	10°54	21°29	22°18	13°13	19°37	S 21
M22	4 32 46	7°25'58	17° 8	6°30	25°14	7°27	16° 7	1°53	15°45	16°20	10°55	21°30	22°15	13°20	19°35	M22
T 23	4 36 43	8°27'01	0♒21	5° 8	26°25	7°45	16°20	1°48	15°46	16°21	10°56	21°32	22°12	13°27	19°34	T 23
W24	4 40 39	9°28'05	13°10	3°50	27°36	8° 4	16°33	1°43	15°47	16°23	10°57	21°33	22° 8	13°34	19°32	W24
T 25	4 44 36	10°29'09	25°40	2°38	28°47	8°23	16°46	1°39	15°48	16°24	10°58	21°34	22° 5	13°40	19°31	T 25
F 26	4 48 32	11°30'14	7♓53	1°35	29°59	8°42	16°58	1°34	15°49	16°26	10°59	21°R34	22° 2	13°47	19°29	F 26
S 27	4 52 29	12°31'19	19°54	0°41	1♏10	9° 2	17°11	1°29	15°50	16°27	11° 0	21°34	21°59	13°54	19°28	S 27
S 28	4 56 26	13°32'25	1♈48	29♏58	2°21	9°23	17°24	1°24	15°51	16°29	11° 1	21°33	21°56	14° 0	19°26	S 28
M29	5 0 22	14°33'31	13°40	29°26	3°33	9°43	17°36	1°19	15°52	16°30	11° 2	21°33	21°52	14° 7	19°25	M29
T 30	5 4 19	15♐34'37	25♈33	29♏ 5	4♏44	10♈ 5	17♏49	1♊15	15♍53	16♎31	11♒ 3	21♊32	21♊49	14♈14	19♈23	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16s44	2s27	5s 2	24s20	2s36	1n 2	1n34	0n20	1s 6	14s29	0n54	18n59	2s 1	6n34	0n45	4s39	1n41	26s23	9s 8	23n18	23n22	0s 9	8n35	0n39
T 2	17 1	2n30	4 41	24 29	2 35	0 38	1 37	0 26	1 2	14 34	0 54	18 58	2 1	6 34	0 45	4 40	1 41	26 23	9 7	23 17	23 22	0 6	8 34	0 39
W 3	17 18	7 23	4 7	24 36	2 33	0 14	1 40	0 31	0 59	14 38	0 54	18 57	2 1	6 33	0 45	4 40	1 41	26 22	9 7	23 17	23 22	0 3	8 33	0 39
T 4	17 35	12 3	3 23	24 41	2 30	0s11	1 43	0 37	0 56	14 42	0 54	18 56	2 1	6 32	0 45	4 41	1 41	26 22	9 7	23 16	23 21	0 0	8 32	0 39
F 5	17 51	16 18	2 28	24 45	2 27	0 35	1 46	0 42	0 53	14 46	0 54	18 55	2 1	6 31	0 45	4 42	1 41	26 22	9 7	23 16	23 21	0n 3	8 31	0 39
S 6	18 8	19 55	1 26	24 46	2 22	1 0	1 49	0 48	0 49	14 50	0 54	18 54	2 1	6 30	0 45	4 42	1 41	26 21	9 7	23 16	23 21	0 5	8 30	0 39
S 7	18 23	22 40	0 19	24 46	2 16	1 24	1 51	0 55	0 46	14 54	0 54	18 53	2 1	6 30	0 45	4 43	1 41	26 21	9 6	23 16	23 21	0 8	8 29	0 39
M 8	18 39	24 21	0n50	24 43	2 9	1 49	1 54	1 1	0 43	14 58	0 54	18 52	2 1	6 29	0 45	4 44	1 41	26 21	9 6	23 16	23 21	0 11	8 28	0 38
T 9	18 54	24 47	1 57	24 38	2 1	2 14	1 56	1 8	0 40	15 2	0 54	18 51	2 1	6 28	0 45	4 45	1 41	26 20	9 6	23 16	23 21	0 14	8 27	0 38
W10	19 9	23 52	3 0	24 31	1 52	2 39	1 58	1 15	0 37	15 6	0 54	18 51	2 1	6 27	0 45	4 45	1 41	26 20	9 6	23 16	23 20	0 17	8 26	0 38
T 11	19 23	21 36	3 55	24 22	1 41	3 5	2 0	1 22	0 34	15 10	0 54	18 50	2 1	6 27	0 45	4 46	1 41	26 20	9 6	23 16	23 20	0 20	8 25	0 38
F 12	19 37	18 6	4 37	24 10	1 28	3 30	2 2	1 29	0 32	15 14	0 54	18 49	2 0	6 26	0 46	4 47	1 41	26 19	9 6	23 16	23 20	0 23	8 24	0 38
S 13	19 51	13 32	5 5	23 55	1 15	3 55	2 4	1 37	0 29	15 18	0 54	18 48	2 0	6 26	0 46	4 47	1 42	26 19	9 5	23 16	23 20	0 26	8 23	0 38
S 14	20 5	8 8	5 15	23 38	0 59	4 21	2 5	1 44	0 26	15 22	0 54	18 47	2 0	6 25	0 46	4 48	1 42	26 18	9 5	23 16	23 20	0 29	8 22	0 38
M15	20 18	2 13	5 5	23 18	0 42	4 46	2 7	1 52	0 24	15 26	0 54	18 46	2 0	6 24	0 46	4 48	1 42	26 18	9 5	23 16	23 19	0 31	8 21	0 38
T 16	20 30	3s56	4 35	22 55	0 24	5 11	2 8	2 0	0 21	15 30	0 54	18 45	2 0	6 24	0 46	4 49	1 42	26 18	9 5	23 16	23 19	0 34	8 21	0 38
W17	20 43	9 54	3 46	22 30	0 5	5 37	2 9	2 9	0 18	15 33	0 54	18 44	2 0	6 23	0 46	4 50	1 42	26 17	9 5	23 16	23 19	0 37	8 20	0 37
T 18	20 55	15 19	2 43	22 2	0n15	6 2	2 11	2 17	0 16	15 37	0 54	18 43	2 0	6 23	0 46	4 50	1 42	26 17	9 5	23 16	23 19	0 40	8 19	0 37
F 19	21 6	19 46	1 29	21 32	0 35	6 28	2 12	2 26	0 13	15 41	0 54	18 43	2 0	6 22	0 46	4 51	1 42	26 17	9 4	23 15	23 19	0 43	8 18	0 37
S 20	21 17	22 56	0 11	21 0	0 55	6 53	2 12	2 34	0 11	15 45	0 54	18 42	2 0	6 22	0 46	4 51	1 42	26 16	9 4	23 15	23 19	0 46	8 17	0 37
S 21	21 28	24 35	1s 6	20 28	1 15	7 18	2 13	2 43	0 9	15 48	0 54	18 41	2 0	6 21	0 46	4 52	1 42	26 16	9 4	23 15	23 18	0 49	8 17	0 37
M22	21 38	24 42	2 17	19 56	1 34	7 43	2 14	2 52	0 7	15 52	0 54	18 40	2 0	6 21	0 46	4 53	1 42	26 15	9 4	23 15	23 18	0 52	8 16	0 37
T 23	21 48	23 23	3 19	19 25	1 51	8 9	2 15	3 1	0 4	15 56	0 54	18 39	2 0	6 20	0 46	4 53	1 42	26 15	9 4	23 16	23 18	0 55	8 15	0 37
W24	21 57	20 54	4 9	18 55	2 7	8 34	2 15	3 11	0 2	16 0	0 54	18 38	1 59	6 20	0 46	4 54	1 42	26 14	9 4	23 16	23 18	0 57	8 14	0 37
T 25	22 6	17 29	4 45	18 28	2 20	8 59	2 15	3 20	0n 0	16 3	0 54	18 37	1 59	6 19	0 46	4 54	1 42	26 14	9 3	23 16	23 18	1 0	8 14	0 37
F 26	22 15	13 24	5 8	18 5	2 32	9 23	2 16	3 30	0 2	16 7	0 54	18 36	1 59	6 19	0 46	4 55	1 42	26 14	9 3	23 16	23 17	1 3	8 13	0 37
S 27	22 23	8 52	5 17	17 45	2 40	9 48	2 16	3 40	0 4	16 10	0 54	18 36	1 59	6 19	0 46	4 55	1 42	26 13	9 3	23 16	23 17	1 6	8 12	0 36
S 28	22 31	4 3	5 12	17 30	2 47	10 13	2 16	3 49	0 6	16 14	0 54	18 35	1 59	6 18	0 46	4 56	1 42	26 13	9 3	23 16	23 17	1 9	8 12	0 36
M29	22 38	0n54	4 54	17 19	2 51	10 37	2 16	3 59	0 8	16 18	0 54	18 34	1 59	6 18	0 46	4 56	1 42	26 12	9 3	23 16	23 17	1 12	8 11	0 36
T 30	22s45	5n50	4s23	17s12	2n54	11s 1	2n16	4n10	0n10	16s21	0n54	18n33	1s59	6n18	0n46	4s57	1n42	26s12	9s 3	23n16	23n17	1n15	8n10	0n36

Julian Day Number = 2193995.5, Delta T = 10m32s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'20, Lahiri = 14°01'21 Julian Calendar 1 Nov. 1294 == Greg. Calendar 8 Nov. 1294

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ASTRODIENST EPHEMERIS for the year 1294
geocentric

DECEMBER 1294 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	5 8 15	16♐35'44	7♉32	28°R54	5♏56	10♈26	18♏ 1	1°R10	15♍54	16♎33	11♒ 5	21°R31	21♊46	14♈21	19°R22	W 1
T 2	5 12 12	17°36'51	19°39	28°D54	7° 8	10°48	18°14	1♊ 5	15°55	16°34	11° 6	21♊30	21°43	14°27	19♈21	T 2
F 3	5 16 8	18°37'59	1♊57	29♏ 4	8°20	11°11	18°26	1° 1	15°55	16°35	11° 7	21°30	21°40	14°34	19°20	F 3
S 4	5 20 5	19°39'07	14°28	29°22	9°32	11°33	18°39	0°56	15°56	16°37	11° 8	21°30	21°37	14°41	19°19	S 4
S 5	5 24 1	20°40'15	27°12	29°48	10°44	11°56	18°51	0°51	15°56	16°38	11° 9	21°D30	21°33	14°47	19°18	S 5
M 6	5 27 58	21°41'24	10♋11	0♐21	11°56	12°20	19° 3	0°47	15°57	16°39	11°11	21°R30	21°30	14°54	19°17	M 6
T 7	5 31 55	22°42'33	23°23	1° 0	13° 8	12°44	19°15	0°43	15°57	16°40	11°12	21°30	21°27	15° 1	19°16	T 7
W 8	5 35 51	23°43'43	6♌47	1°45	14°21	13° 8	19°28	0°38	15°58	16°41	11°13	21°30	21°24	15° 8	19°15	W 8
T 9	5 39 48	24°44'53	20°25	2°35	15°33	13°32	19°40	0°34	15°58	16°42	11°14	21°29	21°21	15°14	19°14	T 9
F 10	5 43 44	25°46'04	4♍13	3°30	16°46	13°57	19°52	0°30	15°58	16°43	11°16	21°29	21°18	15°21	19°13	F 10
S 11	5 47 41	26°47'15	18°11	4°28	17°58	14°22	20° 4	0°25	15°58	16°45	11°17	21°29	21°14	15°28	19°12	S 11
S 12	5 51 37	27°48'26	2♎18	5°30	19°11	14°47	20°15	0°21	15°58	16°46	11°18	21°D29	21°11	15°34	19°12	S 12
M13	5 55 34	28°49'38	16°32	6°35	20°23	15°13	20°27	0°17	15°58	16°47	11°20	21°29	21° 8	15°41	19°11	M13
T 14	5 59 30	29°50'50	0♏50	7°43	21°36	15°39	20°39	0°13	15°R58	16°47	11°21	21°30	21° 5	15°48	19°11	T 14
W15	6 3 27	0♑52'03	15°10	8°54	22°49	16° 5	20°51	0° 9	15°58	16°48	11°23	21°30	21° 2	15°55	19°10	W15
T 16	6 7 24	1°53'16	29°28	10° 6	24° 2	16°32	21° 2	0° 6	15°58	16°49	11°24	21°31	20°58	16° 1	19°10	T 16
F 17	6 11 20	2°54'29	13♐39	11°20	25°15	16°59	21°14	0° 2	15°58	16°50	11°25	21°32	20°55	16° 8	19° 9	F 17
S 18	6 15 17	3°55'42	27°39	12°36	26°28	17°26	21°25	29♉58	15°58	16°51	11°27	21°R32	20°52	16°15	19° 9	S 18
S 19	6 19 13	4°56'55	11♑26	13°54	27°41	17°53	21°37	29°55	15°58	16°52	11°28	21°31	20°49	16°21	19° 9	S 19
M20	6 23 10	5°58'08	24°54	15°13	28°54	18°21	21°48	29°51	15°57	16°52	11°30	21°30	20°46	16°28	19° 9	M20
T 21	6 27 6	6°59'21	8♒ 4	16°33	0♐ 7	18°49	21°59	29°48	15°57	16°53	11°31	21°28	20°43	16°35	19° 9	T 21
W22	6 31 3	8° 0'33	20°54	17°55	1°20	19°17	22°11	29°44	15°57	16°54	11°33	21°25	20°39	16°42	19° 9	W22
T 23	6 35 0	9° 1'44	3♓26	19°17	2°34	19°45	22°22	29°41	15°56	16°55	11°34	21°22	20°36	16°48	19°D 9	T 23
F 24	6 38 56	10° 2'55	15°41	20°41	3°47	20°14	22°33	29°38	15°56	16°55	11°36	21°20	20°33	16°55	19° 9	F 24
S 25	6 42 53	11° 4'06	27°45	22° 5	5° 0	20°42	22°44	29°35	15°55	16°56	11°37	21°19	20°30	17° 2	19° 9	S 25
S 26	6 46 49	12° 5'15	9♈40	23°30	6°13	21°11	22°55	29°32	15°54	16°56	11°39	21°D18	20°27	17° 8	19° 9	S 26
M27	6 50 46	13° 6'24	21°31	24°56	7°27	21°40	23° 5	29°29	15°54	16°57	11°41	21°18	20°24	17°15	19° 9	M27
T 28	6 54 42	14° 7'33	3♉24	26°23	8°40	22°10	23°16	29°26	15°53	16°57	11°42	21°19	20°20	17°22	19° 9	T 28
W29	6 58 39	15° 8'40	15°23	27°50	9°54	22°39	23°26	29°23	15°52	16°58	11°44	21°21	20°17	17°29	19°10	W29
T 30	7 2 35	16° 9'47	27°33	29°18	11° 7	23° 9	23°37	29°21	15°51	16°58	11°45	21°23	20°14	17°35	19°10	T 30
F 31	7 6 32	17♑10'53	9♊57	0♑47	12♐21	23♈39	23♏47	29♉18	15♍50	16♎59	11♒47	21♊24	20♊11	17♈42	19♈11	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s51	10n36	3s40	17s 9	2n54	11s25	2n15	4n20	0n12	16s24	0n54	18n32	1s59	6n18	0n46	4s57	1n42	26s11	9s 3	23n16	23n16	1n18	8n10	0n36
T 2	22 57	15 1	2 48	17 10	2 53	11 49	2 15	4 30	0 14	16 28	0 54	18 31	1 58	6 17	0 46	4 58	1 42	26 11	9 2	23 15	23 16	1 21	8 9	0 36
F 3	23 3	18 54	1 46	17 14	2 51	12 13	2 14	4 41	0 16	16 31	0 54	18 31	1 58	6 17	0 46	4 58	1 43	26 10	9 2	23 15	23 16	1 23	8 9	0 36
S 4	23 8	21 59	0 39	17 22	2 48	12 36	2 14	4 51	0 17	16 35	0 54	18 30	1 58	6 17	0 46	4 59	1 43	26 10	9 2	23 15	23 16	1 26	8 8	0 36
S 5	23 12	24 2	0n32	17 32	2 43	12 59	2 13	5 2	0 19	16 38	0 54	18 29	1 58	6 17	0 47	4 59	1 43	26 9	9 2	23 15	23 16	1 29	8 8	0 36
M 6	23 16	24 50	1 42	17 44	2 38	13 22	2 12	5 12	0 21	16 41	0 54	18 28	1 58	6 17	0 47	4 59	1 43	26 9	9 2	23 15	23 15	1 32	8 7	0 35
T 7	23 20	24 15	2 48	17 58	2 32	13 45	2 12	5 23	0 22	16 45	0 54	18 28	1 58	6 17	0 47	5 0	1 43	26 8	9 2	23 15	23 15	1 35	8 7	0 35
W 8	23 23	22 17	3 46	18 13	2 25	14 7	2 11	5 34	0 24	16 48	0 54	18 27	1 57	6 16	0 47	5 0	1 43	26 8	9 2	23 15	23 15	1 38	8 6	0 35
T 9	23 26	19 2	4 32	18 30	2 18	14 30	2 10	5 45	0 25	16 51	0 54	18 26	1 57	6 16	0 47	5 0	1 43	26 8	9 2	23 15	23 15	1 41	8 6	0 35
F 10	23 28	14 42	5 3	18 47	2 11	14 51	2 8	5 56	0 27	16 55	0 54	18 25	1 57	6 16	0 47	5 1	1 43	26 7	9 1	23 15	23 15	1 44	8 5	0 35
S 11	23 30	9 32	5 17	19 6	2 3	15 13	2 7	6 7	0 28	16 58	0 54	18 25	1 57	6 16	0 47	5 1	1 43	26 7	9 1	23 15	23 14	1 47	8 5	0 35
S 12	23 31	3 50	5 11	19 25	1 55	15 34	2 6	6 19	0 30	17 1	0 54	18 24	1 57	6 16	0 47	5 2	1 43	26 6	9 1	23 15	23 14	1 50	8 5	0 35
M13	23 32	2s 6	4 47	19 44	1 47	15 55	2 5	6 30	0 31	17 4	0 54	18 23	1 56	6 16	0 47	5 2	1 43	26 6	9 1	23 15	23 14	1 53	8 4	0 35
T 14	23 32	7 58	4 5	20 3	1 39	16 15	2 3	6 41	0 33	17 7	0 54	18 23	1 56	6 16	0 47	5 2	1 43	26 5	9 1	23 15	23 14	1 55	8 4	0 35
W15	23 32	13 27	3 8	20 23	1 30	16 35	2 2	6 53	0 34	17 10	0 54	18 22	1 56	6 16	0 47	5 2	1 43	26 5	9 1	23 15	23 14	1 58	8 4	0 34
T 16	23 31	18 10	1 59	20 42	1 22	16 55	2 0	7 4	0 35	17 13	0 54	18 22	1 56	6 16	0 47	5 3	1 43	26 4	9 1	23 16	23 13	2 1	8 4	0 34
F 17	23 30	21 48	0 44	21 1	1 14	17 14	1 58	7 16	0 37	17 16	0 54	18 21	1 56	6 17	0 47	5 3	1 43	26 4	9 1	23 16	23 13	2 4	8 3	0 34
S 18	23 28	24 4	0s34	21 19	1 5	17 33	1 57	7 27	0 38	17 19	0 54	18 20	1 55	6 17	0 47	5 3	1 43	26 3	9 1	23 16	23 13	2 7	8 3	0 34
S 19	23 26	24 50	1 48	21 37	0 57	17 51	1 55	7 39	0 39	17 22	0 54	18 20	1 55	6 17	0 47	5 4	1 43	26 3	9 1	23 16	23 13	2 10	8 3	0 34
M20	23 24	24 5	2 54	21 54	0 48	18 9	1 53	7 50	0 40	17 25	0 54	18 19	1 55	6 17	0 47	5 4	1 44	26 2	9 1	23 15	23 12	2 13	8 3	0 34
T 21	23 21	22 1	3 50	22 11	0 40	18 27	1 51	8 2	0 42	17 28	0 54	18 19	1 55	6 17	0 47	5 4	1 44	26 2	9 0	23 15	23 12	2 16	8 3	0 34
W22	23 17	18 52	4 32	22 27	0 32	18 44	1 49	8 14	0 43	17 31	0 54	18 18	1 55	6 17	0 47	5 4	1 44	26 1	9 0	23 15	23 12	2 19	8 3	0 34
T 23	23 13	14 57	5 0	22 42	0 24	19 0	1 47	8 26	0 44	17 34	0 54	18 18	1 54	6 18	0 47	5 4	1 44	26 0	9 0	23 15	23 12	2 22	8 2	0 34
F 24	23 9	10 29	5 14	22 56	0 16	19 17	1 45	8 38	0 45	17 36	0 54	18 17	1 54	6 18	0 47	5 5	1 44	26 0	9 0	23 15	23 12	2 25	8 2	0 33
S 25	23 4	5 41	5 13	23 10	0 8	19 32	1 42	8 50	0 46	17 39	0 54	18 17	1 54	6 18	0 47	5 5	1 44	25 59	9 0	23 15	23 11	2 28	8 2	0 33
S 26	22 59	0 45	4 59	23 22	0 0	19 47	1 40	9 1	0 47	17 42	0 54	18 17	1 54	6 18	0 47	5 5	1 44	25 59	9 0	23 15	23 11	2 30	8 2	0 33
M27	22 53	4n12	4 33	23 33	0s 7	20 2	1 38	9 13	0 48	17 44	0 54	18 16	1 53	6 19	0 47	5 5	1 44	25 58	9 0	23 15	23 11	2 33	8 2	0 33
T 28	22 47	9 1	3 54	23 44	0 15	20 16	1 35	9 25	0 49	17 47	0 54	18 16	1 53	6 19	0 47	5 5	1 44	25 58	9 0	23 15	23 11	2 36	8 2	0 33
W29	22 40	13 33	3 5	23 53	0 22	20 29	1 33	9 37	0 50	17 50	0 54	18 15	1 53	6 19	0 48	5 5	1 44	25 57	9 0	23 15	23 10	2 39	8 2	0 33
T 30	22 33	17 37	2 7	24 1	0 29	20 42	1 31	9 49	0 51	17 52	0 54	18 15	1 53	6 20	0 48	5 5	1 44	25 57	9 0	23 15	23 10	2 42	8 2	0 33
F 31	22s25	21n 0	1s 3	24s 8	0s36	20s54	1n28	10n 1	0n52	17s55	0n54	18n15	1s52	6n20	0n48	5s 5	1n44	25s56	9s 0	23n15	23n10	2n45	8n 2	0n33

Julian Day Number = 2194025.5, Delta T = 10m32s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'24, Lahiri = 14°01'25 Julian Calendar 1 Dec. 1294 == Greg. Calendar 8 Dec. 1294

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ASTRODIENST EPHEMERIS for the year 1295
geocentric

JANUARY 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 10 29	18♑11'58	22♊39	2♑16	13♐34	24♈ 9	23♏58	29°R16	15°R49	16♎59	11♒49	21°R25	20♊ 8	17♈49	19♈11	S 1
S 2	7 14 25	19°13'03	5♋40	3°46	14°48	24°40	24° 8	29♉13	15♍48	16°59	11°50	21♊24	20° 4	17°55	19°12	S 2
M 3	7 18 22	20°14'07	19° 0	5°17	16° 1	25°10	24°18	29°11	15°47	16°59	11°52	21°21	20° 1	18° 2	19°12	M 3
T 4	7 22 18	21°15'10	2♌39	6°48	17°15	25°41	24°28	29° 9	15°46	17° 0	11°54	21°18	19°58	18° 9	19°13	T 4
W 5	7 26 15	22°16'12	16°33	8°20	18°29	26°11	24°38	29° 7	15°45	17° 0	11°55	21°13	19°55	18°15	19°14	W 5
T 6	7 30 11	23°17'14	0♍38	9°52	19°43	26°42	24°48	29° 5	15°44	17° 0	11°57	21° 8	19°52	18°22	19°15	T 6
F 7	7 34 8	24°18'15	14°51	11°25	20°56	27°13	24°57	29° 4	15°42	17° 0	11°59	21° 3	19°49	18°29	19°16	F 7
S 8	7 38 4	25°19'15	29° 6	12°59	22°10	27°45	25° 7	29° 2	15°41	17° 0	12° 0	20°59	19°45	18°36	19°17	S 8
S 9	7 42 1	26°20'14	13♎21	14°33	23°24	28°16	25°16	29° 0	15°40	17° 0	12° 2	20°57	19°42	18°42	19°18	S 9
M10	7 45 58	27°21'13	27°32	16° 8	24°38	28°48	25°26	28°59	15°38	17° 0	12° 4	20°D56	19°39	18°49	19°19	M10
T 11	7 49 54	28°22'12	11♏37	17°44	25°51	29°19	25°35	28°58	15°37	17°R 0	12° 6	20°57	19°36	18°56	19°20	T 11
W12	7 53 51	29°23'09	25°36	19°20	27° 5	29°51	25°44	28°56	15°35	17° 0	12° 7	20°58	19°33	19° 2	19°21	W12
T 13	7 57 47	0♒24'06	9♐27	20°57	28°19	0♉23	25°53	28°55	15°34	17° 0	12° 9	21° 0	19°30	19° 9	19°22	T 13
F 14	8 1 44	1°25'03	23° 9	22°34	29°33	0°55	26° 2	28°54	15°32	17° 0	12°11	21°R 0	19°26	19°16	19°23	F 14
S 15	8 5 40	2°25'58	6♑42	24°13	0♑47	1°27	26°11	28°53	15°31	17° 0	12°13	20°59	19°23	19°23	19°25	S 15
S 16	8 9 37	3°26'52	20° 4	25°52	2° 1	2° 0	26°19	28°53	15°29	17° 0	12°14	20°56	19°20	19°29	19°26	S 16
M17	8 13 33	4°27'45	3♒13	27°31	3°15	2°32	26°28	28°52	15°27	17° 0	12°16	20°50	19°17	19°36	19°28	M17
T 18	8 17 30	5°28'37	16° 9	29°12	4°29	3° 5	26°36	28°51	15°25	17° 0	12°18	20°43	19°14	19°43	19°29	T 18
W19	8 21 27	6°29'28	28°51	0♒53	5°43	3°37	26°45	28°51	15°24	16°59	12°20	20°34	19°10	19°49	19°31	W19
T 20	8 25 23	7°30'17	11♓18	2°35	6°57	4°10	26°53	28°51	15°22	16°59	12°21	20°25	19° 7	19°56	19°32	T 20
F 21	8 29 20	8°31'04	23°31	4°18	8°11	4°43	27° 1	28°50	15°20	16°59	12°23	20°16	19° 4	20° 3	19°34	F 21
S 22	8 33 16	9°31'51	5♈34	6° 2	9°25	5°16	27° 9	28°D50	15°18	16°58	12°25	20° 9	19° 1	20° 9	19°36	S 22
S 23	8 37 13	10°32'35	17°28	7°46	10°39	5°49	27°16	28°50	15°16	16°58	12°27	20° 4	18°58	20°16	19°37	S 23
M24	8 41 9	11°33'18	29°19	9°31	11°53	6°22	27°24	28°50	15°14	16°57	12°28	20° 1	18°55	20°23	19°39	M24
T 25	8 45 6	12°33'59	11♉10	11°17	13° 7	6°56	27°31	28°51	15°12	16°57	12°30	20°D 0	18°51	20°30	19°41	T 25
W26	8 49 2	13°34'39	23° 7	13° 4	14°21	7°29	27°39	28°51	15°10	16°56	12°32	20° 0	18°48	20°36	19°43	W26
T 27	8 52 59	14°35'17	5♊15	14°52	15°35	8° 3	27°46	28°51	15° 8	16°56	12°34	20° 2	18°45	20°43	19°45	T 27
F 28	8 56 56	15°35'53	17°40	16°40	16°49	8°36	27°53	28°52	15° 6	16°55	12°35	20°R 2	18°42	20°50	19°47	F 28
S 29	9 0 52	16°36'27	0♋25	18°29	18° 3	9°10	28° 0	28°53	15° 4	16°55	12°37	20° 2	18°39	20°56	19°49	S 29
S 30	9 4 49	17°37'00	13°34	20°19	19°17	9°44	28° 7	28°54	15° 1	16°54	12°39	19°59	18°36	21° 3	19°51	S 30
M31	9 8 45	18♒37'31	27♋ 8	22♒10	20♑31	10♉17	28♏13	28♉55	14♍59	16♎54	12♒41	19♊54	18♊32	21♈10	19♈53	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s17	23n26	0n 7	24s13	0s43	21s 6	1n26	10n13	0n53	17s57	0n55	18n15	1s52	6n21	0n48	5s 6	1n44	25s56	9s 0	23n15	23n10	2n48	8n 3	0n33
S 2	22 9	24 42	1 17	24 18	0 49	21 17	1 23	10 25	0 54	18 0	0 55	18 14	1 52	6 21	0 48	5 6	1 44	25 55	9 0	23 15	23 9	2 51	8 3	0 32
M 3	22 0	24 35	2 25	24 21	0 55	21 28	1 20	10 37	0 55	18 2	0 55	18 14	1 52	6 21	0 48	5 6	1 44	25 55	9 0	23 15	23 9	2 54	8 3	0 32
T 4	21 51	23 0	3 27	24 23	1 2	21 38	1 18	10 49	0 56	18 5	0 55	18 14	1 51	6 22	0 48	5 6	1 44	25 54	9 0	23 15	23 9	2 57	8 3	0 32
W 5	21 41	20 1	4 17	24 23	1 7	21 47	1 15	11 1	0 56	18 7	0 55	18 14	1 51	6 22	0 48	5 6	1 45	25 54	9 0	23 14	23 9	3 0	8 3	0 32
T 6	21 31	15 50	4 52	24 23	1 13	21 56	1 12	11 14	0 57	18 9	0 55	18 14	1 51	6 23	0 48	5 6	1 45	25 53	9 0	23 14	23 9	3 3	8 3	0 32
F 7	21 20	10 45	5 10	24 20	1 18	22 4	1 9	11 26	0 58	18 11	0 55	18 13	1 51	6 23	0 48	5 6	1 45	25 53	9 0	23 14	23 8	3 6	8 4	0 32
S 8	21 9	5 4	5 8	24 17	1 24	22 11	1 7	11 38	0 59	18 14	0 55	18 13	1 50	6 24	0 48	5 6	1 45	25 52	9 0	23 13	23 8	3 9	8 4	0 32
S 9	20 58	0s52	4 48	24 12	1 28	22 18	1 4	11 50	1 0	18 16	0 55	18 13	1 50	6 25	0 48	5 6	1 45	25 52	9 0	23 13	23 8	3 11	8 4	0 32
M10	20 46	6 44	4 10	24 6	1 33	22 24	1 1	12 2	1 0	18 18	0 55	18 13	1 50	6 25	0 48	5 6	1 45	25 51	9 0	23 13	23 8	3 14	8 4	0 32
T 11	20 34	12 14	3 18	23 58	1 37	22 30	0 58	12 14	1 1	18 20	0 55	18 13	1 50	6 26	0 48	5 6	1 45	25 51	9 0	23 13	23 7	3 17	8 5	0 32
W12	20 21	17 4	2 14	23 48	1 41	22 35	0 55	12 25	1 2	18 22	0 55	18 13	1 49	6 26	0 48	5 5	1 45	25 50	9 0	23 13	23 7	3 20	8 5	0 31
T 13	20 9	20 55	1 2	23 38	1 45	22 39	0 52	12 37	1 2	18 24	0 55	18 13	1 49	6 27	0 48	5 5	1 45	25 50	9 0	23 13	23 7	3 23	8 5	0 31
F 14	19 55	23 33	0s12	23 25	1 49	22 42	0 49	12 49	1 3	18 26	0 55	18 13	1 49	6 28	0 48	5 5	1 45	25 49	9 0	23 13	23 7	3 26	8 6	0 31
S 15	19 42	24 46	1 24	23 11	1 52	22 45	0 46	13 1	1 4	18 28	0 55	18 13	1 49	6 28	0 48	5 5	1 45	25 49	9 0	23 13	23 6	3 29	8 6	0 31
S 16	19 28	24 31	2 31	22 56	1 55	22 47	0 44	13 13	1 4	18 30	0 55	18 13	1 48	6 29	0 48	5 5	1 45	25 48	9 0	23 13	23 6	3 32	8 7	0 31
M17	19 13	22 53	3 28	22 39	1 57	22 49	0 41	13 25	1 5	18 32	0 56	18 13	1 48	6 30	0 48	5 5	1 45	25 48	9 0	23 13	23 6	3 35	8 7	0 31
T 18	18 58	20 5	4 14	22 20	1 59	22 50	0 38	13 37	1 6	18 34	0 56	18 14	1 48	6 30	0 48	5 5	1 45	25 47	9 0	23 12	23 6	3 38	8 8	0 31
W19	18 43	16 23	4 46	22 0	2 1	22 50	0 35	13 49	1 6	18 36	0 56	18 14	1 48	6 31	0 48	5 5	1 45	25 47	9 0	23 12	23 5	3 41	8 8	0 31
T 20	18 28	12 1	5 3	21 39	2 2	22 49	0 32	14 0	1 7	18 38	0 56	18 14	1 47	6 32	0 48	5 4	1 45	25 46	9 0	23 11	23 5	3 44	8 9	0 31
F 21	18 12	7 16	5 7	21 15	2 3	22 48	0 29	14 12	1 7	18 40	0 56	18 14	1 47	6 33	0 48	5 4	1 46	25 46	9 0	23 10	23 5	3 47	8 9	0 30
S 22	17 56	2 19	4 56	20 50	2 4	22 46	0 26	14 24	1 8	18 41	0 56	18 14	1 47	6 33	0 48	5 4	1 46	25 45	9 0	23 10	23 5	3 50	8 10	0 30
S 23	17 40	2n41	4 33	20 24	2 4	22 43	0 23	14 35	1 8	18 43	0 56	18 15	1 46	6 34	0 48	5 4	1 46	25 45	9 0	23 9	23 4	3 52	8 10	0 30
M24	17 23	7 33	3 58	19 56	2 4	22 40	0 20	14 47	1 9	18 45	0 56	18 15	1 46	6 35	0 48	5 4	1 46	25 44	9 0	23 9	23 4	3 55	8 11	0 30
T 25	17 6	12 10	3 13	19 26	2 3	22 36	0 17	14 58	1 9	18 46	0 56	18 15	1 46	6 36	0 48	5 3	1 46	25 44	9 0	23 9	23 4	3 58	8 12	0 30
W26	16 49	16 22	2 19	18 54	2 2	22 31	0 14	15 10	1 10	18 48	0 56	18 16	1 46	6 37	0 48	5 3	1 46	25 43	9 0	23 9	23 3	4 1	8 12	0 30
T 27	16 31	19 58	1 19	18 21	2 0	22 26	0 11	15 21	1 10	18 49	0 56	18 16	1 45	6 38	0 48	5 3	1 46	25 43	9 0	23 9	23 3	4 4	8 13	0 30
F 28	16 13	22 45	0 13	17 47	1 58	22 20	0 8	15 33	1 11	18 51	0 56	18 16	1 45	6 38	0 48	5 3	1 46	25 42	9 0	23 9	23 3	4 7	8 14	0 30
S 29	15 55	24 27	0n55	17 10	1 55	22 13	0 5	15 44	1 11	18 52	0 57	18 17	1 45	6 39	0 49	5 2	1 46	25 42	9 0	23 9	23 3	4 10	8 14	0 30
S 30	15 37	24 52	2 2	16 32	1 52	22 6	0 2	15 55	1 12	18 54	0 57	18 17	1 45	6 40	0 49	5 2	1 46	25 42	9 0	23 9	23 2	4 13	8 15	0 30
M31	15s18	23n50	3n 5	15s53	1s48	21s58	0s 1	16n 6	1n12	18s55	0n57	18n18	1s44	6n41	0n49	5s 2	1n46	25s41	9s 0	23n 9	23n 2	4n16	8n16	0n29

Julian Day Number = 2194056.5, Delta T = 10m32s
Ecliptic obliquity = 23°31'52, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'29, Lahiri = 14°01'29 Julian Calendar 1 Jan. 1295 == Greg. Calendar 8 Jan. 1295

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ASTRODIENST EPHEMERIS for the year 1295
geocentric

FEBRUARY 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	9 12 42	19♒38'00	11♌ 7	24♒ 1	21♉45	10♉51	28♏20	28♉56	14°R57	16°R53	12♒42	19°R47	18♊29	21♈17	19♈56	T 1
W 2	9 16 38	20°38'28	25°27	25°53	22°59	11°25	28°26	28°57	14♍55	16♎52	12°44	19♊37	18°26	21°23	19°58	W 2
T 3	9 20 35	21°38'54	10♍ 1	27°45	24°13	11°59	28°32	28°58	14°52	16°51	12°46	19°27	18°23	21°30	20° 0	T 3
F 4	9 24 31	22°39'18	24°43	29°38	25°28	12°33	28°38	28°59	14°50	16°51	12°48	19°18	18°20	21°37	20° 3	F 4
S 5	9 28 28	23°39'41	9♎25	1♓31	26°42	13° 8	28°44	29° 1	14°48	16°50	12°49	19° 9	18°16	21°43	20° 5	S 5
S 6	9 32 25	24°40'02	24° 0	3°23	27°56	13°42	28°50	29° 3	14°45	16°49	12°51	19° 3	18°13	21°50	20° 7	S 6
M 7	9 36 21	25°40'22	8♏22	5°16	29°10	14°16	28°55	29° 4	14°43	16°48	12°53	19° 0	18°10	21°57	20°10	M 7
T 8	9 40 18	26°40'40	22°29	7° 8	0♒24	14°51	29° 1	29° 6	14°40	16°47	12°55	18°D59	18° 7	22° 3	20°12	T 8
W 9	9 44 14	27°40'57	6♐21	9° 0	1°38	15°25	29° 6	29° 8	14°38	16°46	12°56	18°59	18° 4	22°10	20°15	W 9
T 10	9 48 11	28°41'13	19°58	10°50	2°52	16° 0	29°11	29°10	14°35	16°45	12°58	18°R59	18° 1	22°17	20°18	T 10
F 11	9 52 7	29°41'27	3♑20	12°39	4° 6	16°34	29°16	29°12	14°33	16°44	13° 0	18°58	17°57	22°24	20°20	F 11
S 12	9 56 4	0♓41'39	16°30	14°27	5°21	17° 9	29°21	29°14	14°30	16°43	13° 2	18°55	17°54	22°30	20°23	S 12
S 13	10 0 0	1°41'50	29°29	16°12	6°35	17°44	29°25	29°17	14°28	16°42	13° 3	18°49	17°51	22°37	20°26	S 13
M14	10 3 57	2°41'59	12♒17	17°55	7°49	18°18	29°29	29°19	14°25	16°41	13° 5	18°40	17°48	22°44	20°29	M14
T 15	10 7 54	3°42'06	24°54	19°34	9° 3	18°53	29°34	29°22	14°23	16°40	13° 7	18°29	17°45	22°50	20°31	T 15
W16	10 11 50	4°42'12	7♓21	21°10	10°17	19°28	29°38	29°25	14°20	16°39	13° 8	18°16	17°42	22°57	20°34	W16
T 17	10 15 47	5°42'15	19°38	22°41	11°31	20° 3	29°42	29°27	14°18	16°38	13°10	18° 2	17°38	23° 4	20°37	T 17
F 18	10 19 43	6°42'16	1♈45	24° 8	12°46	20°38	29°45	29°30	14°15	16°37	13°12	17°48	17°35	23°10	20°40	F 18
S 19	10 23 40	7°42'16	13°43	25°29	14° 0	21°13	29°49	29°33	14°13	16°36	13°13	17°36	17°32	23°17	20°43	S 19
S 20	10 27 36	8°42'13	25°35	26°45	15°14	21°48	29°52	29°36	14°10	16°35	13°15	17°27	17°29	23°24	20°46	S 20
M21	10 31 33	9°42'08	7♉24	27°53	16°28	22°23	29°55	29°39	14° 7	16°33	13°16	17°20	17°26	23°30	20°49	M21
T 22	10 35 29	10°42'01	19°13	28°56	17°42	22°58	29°58	29°43	14° 5	16°32	13°18	17°16	17°22	23°37	20°52	T 22
W23	10 39 26	11°41'52	1♊ 8	29°50	18°56	23°34	0♐ 1	29°46	14° 2	16°31	13°20	17°15	17°19	23°44	20°55	W23
T 24	10 43 23	12°41'40	13°13	0♈37	20°10	24° 9	0° 4	29°50	14° 0	16°30	13°21	17°14	17°16	23°51	20°58	T 24
F 25	10 47 19	13°41'26	25°34	1°17	21°24	24°44	0° 6	29°53	13°57	16°28	13°23	17°14	17°13	23°57	21° 1	F 25
S 26	10 51 16	14°41'10	8♋17	1°48	22°39	25°20	0° 8	29°57	13°54	16°27	13°24	17°13	17°10	24° 4	21° 5	S 26
S 27	10 55 12	15°40'52	21°25	2°10	23°53	25°55	0°11	0♊ 1	13°52	16°26	13°26	17°10	17° 7	24°11	21° 8	S 27
M28	10 59 9	16♓40'31	5♌ 1	2♈25	25♒ 7	26♉31	0♐12	0♊ 5	13♍49	16♎24	13♒27	17♊ 4	17♊ 3	24♈17	21♈11	M28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14s59	21n19	3n58	15s12	1s44	21s49	0s 3	16n17	1n13	18s56	0n57	18n18	1s44	6n42	0n49	5s 1	1n46	25s41	9s 1	23n 8	23n 2	4n19	8n16	0n29
W 2	14 40	17 26	4 37	14 30	1 39	21 40	0 6	16 28	1 13	18 58	0 57	18 19	1 44	6 43	0 49	5 1	1 46	25 40	9 1	23 7	23 2	4 22	8 17	0 29
T 3	14 21	12 27	4 59	13 46	1 33	21 30	0 9	16 39	1 14	18 59	0 57	18 19	1 43	6 44	0 49	5 1	1 46	25 40	9 1	23 7	23 1	4 25	8 18	0 29
F 4	14 1	6 43	5 2	13 0	1 27	21 19	0 12	16 50	1 14	19 0	0 57	18 20	1 43	6 45	0 49	5 0	1 46	25 39	9 1	23 6	23 1	4 28	8 19	0 29
S 5	13 41	0 37	4 45	12 14	1 20	21 8	0 15	17 1	1 14	19 1	0 57	18 20	1 43	6 46	0 49	5 0	1 46	25 39	9 1	23 5	23 1	4 31	8 20	0 29
S 6	13 21	5s29	4 9	11 26	1 13	20 56	0 17	17 12	1 15	19 3	0 57	18 21	1 43	6 46	0 49	5 0	1 46	25 39	9 1	23 5	23 0	4 34	8 20	0 29
M 7	13 1	11 13	3 18	10 37	1 5	20 44	0 20	17 23	1 15	19 4	0 57	18 22	1 42	6 47	0 49	4 59	1 46	25 38	9 1	23 4	23 0	4 37	8 21	0 29
T 8	12 40	16 16	2 16	9 48	0 56	20 31	0 23	17 33	1 15	19 5	0 57	18 22	1 42	6 48	0 49	4 59	1 47	25 38	9 1	23 4	23 0	4 39	8 22	0 29
W 9	12 19	20 22	1 7	8 57	0 47	20 17	0 25	17 44	1 16	19 6	0 58	18 23	1 42	6 49	0 49	4 59	1 47	25 37	9 1	23 4	23 0	4 42	8 23	0 29
T 10	11 59	23 14	0s 5	8 6	0 37	20 3	0 28	17 54	1 16	19 7	0 58	18 24	1 42	6 50	0 49	4 58	1 47	25 37	9 1	23 4	22 59	4 45	8 24	0 28
F 11	11 37	24 45	1 15	7 14	0 26	19 48	0 30	18 4	1 16	19 8	0 58	18 24	1 41	6 51	0 49	4 58	1 47	25 37	9 2	23 4	22 59	4 48	8 25	0 28
S 12	11 16	24 50	2 20	6 22	0 15	19 32	0 33	18 15	1 17	19 9	0 58	18 25	1 41	6 52	0 49	4 57	1 47	25 36	9 2	23 4	22 59	4 51	8 26	0 28
S 13	10 55	23 33	3 17	5 30	0 3	19 16	0 35	18 25	1 17	19 10	0 58	18 26	1 41	6 53	0 49	4 57	1 47	25 36	9 2	23 4	22 58	4 54	8 27	0 28
M14	10 33	21 4	4 3	4 39	0n 9	19 0	0 38	18 35	1 17	19 11	0 58	18 27	1 41	6 54	0 49	4 56	1 47	25 35	9 2	23 3	22 58	4 57	8 28	0 28
T 15	10 11	17 36	4 36	3 48	0 22	18 43	0 40	18 45	1 18	19 11	0 58	18 28	1 40	6 55	0 49	4 56	1 47	25 35	9 2	23 2	22 58	5 0	8 29	0 28
W16	9 49	13 24	4 55	2 58	0 35	18 25	0 43	18 55	1 18	19 12	0 58	18 28	1 40	6 56	0 49	4 55	1 47	25 35	9 2	23 1	22 58	5 3	8 30	0 28
T 17	9 27	8 43	5 0	2 10	0 49	18 7	0 45	19 5	1 18	19 13	0 58	18 29	1 40	6 57	0 49	4 55	1 47	25 34	9 2	22 59	22 57	5 6	8 31	0 28
F 18	9 5	3 46	4 51	1 23	1 3	17 48	0 47	19 14	1 18	19 14	0 58	18 30	1 40	6 58	0 49	4 55	1 47	25 34	9 2	22 58	22 57	5 9	8 32	0 28
S 19	8 43	1n17	4 30	0 38	1 16	17 29	0 49	19 24	1 19	19 14	0 59	18 31	1 39	6 59	0 49	4 54	1 47	25 34	9 3	22 57	22 57	5 12	8 33	0 28
S 20	8 20	6 15	3 57	0n 5	1 30	17 9	0 52	19 33	1 19	19 15	0 59	18 32	1 39	7 0	0 49	4 54	1 47	25 33	9 3	22 56	22 56	5 15	8 34	0 28
M21	7 58	10 59	3 14	0 45	1 44	16 49	0 54	19 43	1 19	19 15	0 59	18 33	1 39	7 1	0 49	4 53	1 47	25 33	9 3	22 56	22 56	5 18	8 35	0 27
T 22	7 35	15 19	2 22	1 22	1 58	16 28	0 56	19 52	1 19	19 16	0 59	18 34	1 39	7 2	0 49	4 53	1 47	25 33	9 3	22 55	22 56	5 21	8 36	0 27
W23	7 12	19 6	1 24	1 56	2 11	16 7	0 58	20 1	1 20	19 16	0 59	18 35	1 38	7 3	0 49	4 52	1 47	25 32	9 3	22 55	22 55	5 24	8 37	0 27
T 24	6 49	22 7	0 21	2 27	2 24	15 45	1 0	20 10	1 20	19 17	0 59	18 36	1 38	7 4	0 49	4 51	1 47	25 32	9 3	22 55	22 55	5 27	8 38	0 27
F 25	6 26	24 11	0n44	2 53	2 36	15 23	1 2	20 19	1 20	19 17	0 59	18 37	1 38	7 5	0 49	4 51	1 47	25 32	9 4	22 55	22 55	5 29	8 39	0 27
S 26	6 3	25 5	1 49	3 16	2 47	15 1	1 3	20 28	1 20	19 18	0 59	18 38	1 38	7 6	0 49	4 50	1 47	25 31	9 4	22 55	22 55	5 32	8 40	0 27
S 27	5 40	24 37	2 50	3 35	2 57	14 38	1 5	20 37	1 20	19 18	0 59	18 39	1 37	7 7	0 49	4 50	1 47	25 31	9 4	22 55	22 54	5 35	8 41	0 27
M28	5s17	22n42	3n44	3n49	3n 7	14s15	1s 7	20n45	1n21	19s18	0n59	18n40	1s37	7n 8	0n49	4s49	1n47	25s31	9s 4	22n54	22n54	5n38	8n43	0n27

Julian Day Number = 2194087.5, Delta T = 10m32s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'33, Lahiri = 14°01'33 Julian Calendar 1 Feb. 1295 == Greg. Calendar 8 Feb. 1295

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ASTRODIENST EPHEMERIS for the year 1295
geocentric

MARCH 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 3 5	17♓40'08	19♌ 7	2°R30	26♒21	27♉ 6	0♐14	0♊ 9	13°R47	16°R23	13♒29	16°R56	17♊ 0	24♈24	21♈14	T 1
W 2	11 7 2	18°39'43	3♍39	2♈28	27°35	27°41	0°16	0°13	13♍44	16♎21	13°30	16♊46	16°57	24°31	21°18	W 2
T 3	11 10 58	19°39'16	18°32	2°18	28°49	28°17	0°17	0°17	13°41	16°20	13°32	16°34	16°54	24°37	21°21	T 3
F 4	11 14 55	20°38'46	3♎37	2° 0	0♓ 3	28°53	0°18	0°21	13°39	16°19	13°33	16°23	16°51	24°44	21°24	F 4
S 5	11 18 51	21°38'15	18°43	1°35	1°17	29°28	0°19	0°25	13°36	16°17	13°35	16°13	16°47	24°51	21°28	S 5
S 6	11 22 48	22°37'42	3♏41	1° 4	2°31	0♊ 4	0°20	0°30	13°34	16°16	13°36	16° 5	16°44	24°58	21°31	S 6
M 7	11 26 45	23°37'07	18°23	0°27	3°45	0°40	0°21	0°34	13°31	16°14	13°38	16° 1	16°41	25° 4	21°35	M 7
T 8	11 30 41	24°36'30	2♐44	29♓45	5° 0	1°15	0°21	0°39	13°28	16°13	13°39	15°59	16°38	25°11	21°38	T 8
W 9	11 34 38	25°35'51	16°42	28°59	6°14	1°51	0°21	0°43	13°26	16°11	13°41	15°D58	16°35	25°18	21°42	W 9
T 10	11 38 34	26°35'11	0♑18	28°11	7°28	2°27	0°R21	0°48	13°23	16°10	13°42	15°R58	16°32	25°24	21°45	T 10
F 11	11 42 31	27°34'29	13°34	27°21	8°42	3° 2	0°21	0°53	13°21	16° 8	13°43	15°58	16°28	25°31	21°49	F 11
S 12	11 46 27	28°33'45	26°32	26°30	9°56	3°38	0°21	0°58	13°18	16° 7	13°45	15°55	16°25	25°38	21°52	S 12
S 13	11 50 24	29°32'59	9♒16	25°39	11°10	4°14	0°20	1° 3	13°16	16° 5	13°46	15°49	16°22	25°44	21°56	S 13
M14	11 54 20	0♈32'11	21°47	24°49	12°24	4°50	0°20	1° 8	13°13	16° 4	13°47	15°41	16°19	25°51	21°59	M14
T 15	11 58 17	1°31'21	4♓ 9	24° 2	13°38	5°26	0°19	1°13	13°11	16° 2	13°49	15°30	16°16	25°58	22° 3	T 15
W16	12 2 14	2°30'30	16°21	23°17	14°52	6° 2	0°18	1°18	13° 9	16° 0	13°50	15°17	16°13	26° 4	22° 6	W16
T 17	12 6 10	3°29'36	28°26	22°36	16° 6	6°38	0°16	1°24	13° 6	15°59	13°51	15° 4	16° 9	26°11	22°10	T 17
F 18	12 10 7	4°28'40	10♈25	22° 0	17°20	7°14	0°15	1°29	13° 4	15°57	13°52	14°51	16° 6	26°18	22°14	F 18
S 19	12 14 3	5°27'42	22°18	21°28	18°34	7°50	0°13	1°35	13° 1	15°56	13°54	14°39	16° 3	26°24	22°17	S 19
S 20	12 18 0	6°26'42	4♉ 8	21° 1	19°48	8°26	0°11	1°40	12°59	15°54	13°55	14°30	16° 0	26°31	22°21	S 20
M21	12 21 56	7°25'40	15°56	20°39	21° 2	9° 2	0° 9	1°46	12°57	15°52	13°56	14°24	15°57	26°38	22°25	M21
T 22	12 25 53	8°24'36	27°46	20°23	22°16	9°38	0° 7	1°51	12°54	15°51	13°57	14°20	15°53	26°45	22°29	T 22
W23	12 29 49	9°23'30	9♊41	20°12	23°30	10°14	0° 5	1°57	12°52	15°49	13°58	14°D18	15°50	26°51	22°32	W23
T 24	12 33 46	10°22'21	21°46	20° 6	24°44	10°50	0° 2	2° 3	12°50	15°48	13°59	14°19	15°47	26°58	22°36	T 24
F 25	12 37 43	11°21'10	4♋ 5	20°D 6	25°58	11°27	29♏59	2° 9	12°48	15°46	14° 0	14°19	15°44	27° 5	22°40	F 25
S 26	12 41 39	12°19'57	16°43	20°11	27°12	12° 3	29°56	2°15	12°46	15°44	14° 2	14°R19	15°41	27°11	22°43	S 26
S 27	12 45 36	13°18'41	29°46	20°21	28°26	12°39	29°53	2°21	12°43	15°43	14° 3	14°18	15°38	27°18	22°47	S 27
M28	12 49 32	14°17'23	13♌17	20°36	29°40	13°15	29°50	2°27	12°41	15°41	14° 4	14°15	15°34	27°25	22°51	M28
T 29	12 53 29	15°16'03	27°18	20°56	0♈54	13°51	29°47	2°33	12°39	15°39	14° 5	14° 9	15°31	27°31	22°55	T 29
W30	12 57 25	16°14'41	11♍48	21°21	2° 8	14°28	29°43	2°39	12°37	15°38	14° 6	14° 1	15°28	27°38	22°59	W30
T 31	13 1 22	17♈13'16	26♍42	21♓50	3♈22	15♊ 4	29♏39	2♊45	12♍35	15♎36	14♒ 7	13♊53	15♊25	27♈45	23♈ 2	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s53	19n21	4n26	3n59	3n15	13s51	1s 9	20n54	1n21	19s19	0n59	18n41	1s37	7n 9	0n49	4s49	1n47	25s30	9s 4	22n53	22n54	5n41	8n44	0n27
W 2	4 30	14 44	4 52	4 4	3 22	13 27	1 10	21 2	1 21	19 19	1 0	18 42	1 37	7 10	0 49	4 48	1 47	25 30	9 5	22 52	22 53	5 44	8 45	0 27
T 3	4 7	9 9	5 0	4 5	3 27	13 3	1 12	21 10	1 21	19 19	1 0	18 43	1 36	7 11	0 49	4 48	1 48	25 30	9 5	22 51	22 53	5 47	8 46	0 27
F 4	3 43	2 57	4 47	4 1	3 31	12 38	1 13	21 18	1 21	19 19	1 0	18 44	1 36	7 12	0 49	4 47	1 48	25 30	9 5	22 50	22 53	5 50	8 47	0 26
S 5	3 20	3s27	4 14	3 53	3 33	12 13	1 15	21 26	1 21	19 19	1 0	18 45	1 36	7 13	0 49	4 46	1 48	25 29	9 5	22 49	22 52	5 53	8 48	0 26
S 6	2 56	9 36	3 23	3 41	3 33	11 48	1 16	21 34	1 22	19 19	1 0	18 46	1 36	7 14	0 49	4 46	1 48	25 29	9 5	22 48	22 52	5 56	8 50	0 26
M 7	2 33	15 7	2 20	3 25	3 32	11 22	1 17	21 42	1 22	19 19	1 0	18 48	1 35	7 15	0 49	4 45	1 48	25 29	9 6	22 48	22 52	5 59	8 51	0 26
T 8	2 9	19 39	1 9	3 5	3 28	10 56	1 18	21 50	1 22	19 19	1 0	18 49	1 35	7 16	0 49	4 45	1 48	25 29	9 6	22 47	22 51	6 2	8 52	0 26
W 9	1 45	22 56	0s 4	2 42	3 23	10 30	1 20	21 57	1 22	19 19	1 0	18 50	1 35	7 17	0 49	4 44	1 48	25 29	9 6	22 47	22 51	6 5	8 53	0 26
T 10	1 22	24 47	1 15	2 16	3 16	10 3	1 21	22 4	1 22	19 19	1 0	18 51	1 35	7 18	0 49	4 43	1 48	25 28	9 6	22 47	22 51	6 8	8 55	0 26
F 11	0 58	25 10	2 20	1 49	3 8	9 36	1 22	22 11	1 22	19 19	1 0	18 52	1 34	7 19	0 49	4 43	1 48	25 28	9 6	22 47	22 50	6 11	8 56	0 26
S 12	0 34	24 9	3 17	1 19	2 58	9 9	1 23	22 19	1 22	19 19	1 0	18 54	1 34	7 20	0 49	4 42	1 48	25 28	9 7	22 47	22 50	6 14	8 57	0 26
S 13	0 11	21 54	4 3	0 48	2 46	8 42	1 24	22 25	1 22	19 19	1 1	18 55	1 34	7 21	0 49	4 42	1 48	25 28	9 7	22 46	22 50	6 16	8 58	0 26
M14	0n13	18 38	4 36	0 17	2 33	8 14	1 25	22 32	1 23	19 19	1 1	18 56	1 34	7 22	0 49	4 41	1 48	25 28	9 7	22 46	22 50	6 19	9 0	0 26
T 15	0 36	14 36	4 55	0s15	2 20	7 46	1 25	22 39	1 23	19 18	1 1	18 57	1 34	7 23	0 49	4 40	1 48	25 27	9 7	22 44	22 49	6 22	9 1	0 26
W16	1 0	10 1	5 1	0 46	2 5	7 18	1 26	22 45	1 23	19 18	1 1	18 59	1 33	7 24	0 49	4 40	1 48	25 27	9 8	22 43	22 49	6 25	9 2	0 25
T 17	1 24	5 6	4 53	1 16	1 50	6 50	1 27	22 52	1 23	19 18	1 1	19 0	1 33	7 25	0 49	4 39	1 48	25 27	9 8	22 41	22 49	6 28	9 3	0 25
F 18	1 47	0 2	4 32	1 45	1 34	6 22	1 27	22 58	1 23	19 17	1 1	19 1	1 33	7 26	0 49	4 38	1 48	25 27	9 8	22 40	22 48	6 31	9 5	0 25
S 19	2 11	5n 1	3 59	2 12	1 18	5 53	1 28	23 4	1 23	19 17	1 1	19 3	1 33	7 27	0 49	4 38	1 48	25 27	9 8	22 39	22 48	6 34	9 6	0 25
S 20	2 34	9 52	3 16	2 37	1 2	5 24	1 28	23 10	1 23	19 16	1 1	19 4	1 33	7 27	0 49	4 37	1 48	25 27	9 9	22 38	22 48	6 37	9 7	0 25
M21	2 58	14 21	2 25	3 0	0 46	4 55	1 29	23 15	1 23	19 16	1 1	19 5	1 32	7 28	0 49	4 37	1 48	25 27	9 9	22 37	22 47	6 40	9 9	0 25
T 22	3 21	18 20	1 27	3 21	0 31	4 26	1 29	23 21	1 23	19 15	1 1	19 6	1 32	7 29	0 49	4 36	1 48	25 26	9 9	22 36	22 47	6 43	9 10	0 25
W23	3 44	21 35	0 25	3 40	0 15	3 57	1 29	23 27	1 23	19 15	1 1	19 8	1 32	7 30	0 49	4 35	1 48	25 26	9 9	22 36	22 47	6 46	9 11	0 25
T 24	4 7	23 56	0n40	3 56	0s 0	3 28	1 29	23 32	1 23	19 14	1 1	19 9	1 32	7 31	0 49	4 35	1 48	25 26	9 10	22 36	22 46	6 49	9 13	0 25
F 25	4 30	25 12	1 44	4 10	0 15	2 59	1 29	23 37	1 23	19 13	1 2	19 11	1 32	7 32	0 49	4 34	1 48	25 26	9 10	22 36	22 46	6 52	9 14	0 25
S 26	4 54	25 12	2 44	4 21	0 29	2 29	1 30	23 42	1 23	19 13	1 2	19 12	1 31	7 33	0 49	4 33	1 48	25 26	9 10	22 36	22 46	6 55	9 15	0 25
S 27	5 16	23 50	3 38	4 29	0 42	2 0	1 30	23 47	1 23	19 12	1 2	19 13	1 31	7 33	0 48	4 33	1 48	25 26	9 10	22 36	22 45	6 58	9 17	0 25
M28	5 39	21 5	4 22	4 35	0 55	1 30	1 29	23 51	1 23	19 11	1 2	19 15	1 31	7 34	0 48	4 32	1 48	25 26	9 11	22 36	22 45	7 1	9 18	0 25
T 29	6 2	17 1	4 52	4 38	1 8	1 0	1 29	23 56	1 23	19 11	1 2	19 16	1 31	7 35	0 48	4 31	1 48	25 26	9 11	22 35	22 44	7 3	9 19	0 24
W30	6 25	11 51	5 5	4 39	1 19	0 31	1 29	24 0	1 23	19 10	1 2	19 17	1 31	7 36	0 48	4 31	1 48	25 26	9 11	22 34	22 44	7 6	9 21	0 24
T 31	6n47	5n52	4n58	4s38	1s30	0s 1	1s29	24n 4	1n23	19s 9	1n 2	19n19	1s30	7n36	0n48	4s30	1n48	25s26	9s11	22n33	22n44	7n 9	9n22	0n24

Julian Day Number = 2194115.5, Delta T = 10m32s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'37, Lahiri = 14°01'37 Julian Calendar 1 March 1295 == Greg. Calendar 8 March 1295

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ASTRODIENST EPHEMERIS for the year 1295
geocentric

APRIL 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	13 5 18	18♈11'49	11♎53	22♓23	4♈36	15♊40	29°R35	2♊52	12°R33	15°R34	14♒ 8	13°R44	15♊22	27♈51	23♈ 6	F 1
S 2	13 9 15	19°10'20	27°11	23° 0	5°50	16°16	29♏31	2°58	12♍31	15♎33	14° 8	13♊37	15°19	27°58	23°10	S 2
S 3	13 13 12	20° 8'50	12♏24	23°41	7° 4	16°53	29°27	3° 5	12°29	15°31	14° 9	13°32	15°15	28° 5	23°14	S 3
M 4	13 17 8	21° 7'17	27°22	24°25	8°18	17°29	29°22	3°11	12°28	15°29	14°10	13°28	15°12	28°12	23°18	M 4
T 5	13 21 5	22° 5'43	11♐59	25°13	9°31	18° 5	29°18	3°18	12°26	15°28	14°11	13°D27	15° 9	28°18	23°21	T 5
W 6	13 25 1	23° 4'08	26°11	26° 5	10°45	18°42	29°13	3°24	12°24	15°26	14°12	13°28	15° 6	28°25	23°25	W 6
T 7	13 28 58	24° 2'31	9♑56	26°59	11°59	19°18	29° 8	3°31	12°22	15°25	14°13	13°29	15° 3	28°32	23°29	T 7
F 8	13 32 54	25° 0'52	23°16	27°57	13°13	19°54	29° 3	3°38	12°20	15°23	14°13	13°R30	14°59	28°38	23°33	F 8
S 9	13 36 51	25°59'11	6♒13	28°58	14°27	20°31	28°58	3°44	12°19	15°21	14°14	13°29	14°56	28°45	23°37	S 9
S 10	13 40 47	26°57'29	18°52	0♈ 1	15°41	21° 7	28°53	3°51	12°17	15°20	14°15	13°27	14°53	28°52	23°40	S 10
M11	13 44 44	27°55'46	1♓16	1° 7	16°55	21°44	28°47	3°58	12°16	15°18	14°16	13°22	14°50	28°58	23°44	M11
T 12	13 48 41	28°54'01	13°27	2°16	18° 9	22°20	28°42	4° 5	12°14	15°17	14°16	13°16	14°47	29° 5	23°48	T 12
W13	13 52 37	29°52'14	25°30	3°27	19°22	22°57	28°36	4°12	12°13	15°15	14°17	13° 9	14°44	29°12	23°52	W13
T 14	13 56 34	0♉50'25	7♈27	4°41	20°36	23°33	28°30	4°19	12°11	15°13	14°18	13° 1	14°40	29°18	23°56	T 14
F 15	14 0 30	1°48'35	19°19	5°57	21°50	24°10	28°24	4°26	12°10	15°12	14°18	12°53	14°37	29°25	23°59	F 15
S 16	14 4 27	2°46'43	1♉ 9	7°15	23° 4	24°46	28°18	4°33	12° 8	15°10	14°19	12°46	14°34	29°32	24° 3	S 16
S 17	14 8 23	3°44'50	12°58	8°36	24°18	25°23	28°11	4°40	12° 7	15° 9	14°19	12°41	14°31	29°38	24° 7	S 17
M18	14 12 20	4°42'55	24°48	9°59	25°32	25°59	28° 5	4°47	12° 6	15° 7	14°20	12°37	14°28	29°45	24°11	M18
T 19	14 16 16	5°40'58	6♊43	11°24	26°45	26°36	27°59	4°54	12° 4	15° 6	14°20	12°35	14°24	29°52	24°14	T 19
W20	14 20 13	6°38'59	18°43	12°51	27°59	27°12	27°52	5° 1	12° 3	15° 4	14°21	12°D35	14°21	29°58	24°18	W20
T 21	14 24 9	7°36'59	0♋53	14°20	29°13	27°49	27°45	5° 9	12° 2	15° 3	14°21	12°37	14°18	0♉ 5	24°22	T 21
F 22	14 28 6	8°34'56	13°16	15°51	0♉27	28°26	27°39	5°16	12° 1	15° 1	14°22	12°38	14°15	0°12	24°26	F 22
S 23	14 32 3	9°32'52	25°56	17°25	1°41	29° 2	27°32	5°23	12° 0	15° 0	14°22	12°40	14°12	0°19	24°29	S 23
S 24	14 35 59	10°30'46	8♌57	19° 0	2°54	29°39	27°25	5°31	11°59	14°58	14°23	12°R40	14° 9	0°25	24°33	S 24
M25	14 39 56	11°28'38	22°22	20°38	4° 8	0♋15	27°18	5°38	11°58	14°57	14°23	12°40	14° 5	0°32	24°37	M25
T 26	14 43 52	12°26'29	6♍14	22°17	5°22	0°52	27°11	5°45	11°57	14°55	14°23	12°38	14° 2	0°39	24°40	T 26
W27	14 47 49	13°24'17	20°32	23°59	6°36	1°29	27° 4	5°53	11°56	14°54	14°24	12°35	13°59	0°45	24°44	W27
T 28	14 51 45	14°22'04	5♎15	25°43	7°49	2° 5	26°56	6° 0	11°56	14°53	14°24	12°31	13°56	0°52	24°48	T 28
F 29	14 55 42	15°19'49	20°15	27°28	9° 3	2°42	26°49	6° 8	11°55	14°51	14°24	12°28	13°53	0°59	24°51	F 29
S 30	14 59 38	16♉17'32	5♏27	29♈16	10♉17	3♋19	26♏42	6♊15	11♍54	14♎50	14♒24	12♊24	13♊50	1♉ 5	24♈55	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	7n10	0s35	4n29	4s34	1s40	0n29	1s28	24n 8	1n24	19s 8	1n 2	19n20	1s30	7n37	0n48	4s30	1n48	25s26	9s12	22n32	22n43	7n12	9n23	0n24
S 2	7 32	7 3	3 42	4 28	1 50	0 59	1 28	24 12	1 24	19 7	1 2	19 22	1 30	7 38	0 48	4 29	1 48	25 26	9 12	22 31	22 43	7 15	9 25	0 24
S 3	7 54	13 6	2 39	4 20	1 59	1 28	1 28	24 16	1 24	19 6	1 2	19 23	1 30	7 39	0 48	4 28	1 48	25 26	9 12	22 31	22 43	7 18	9 26	0 24
M 4	8 16	18 16	1 25	4 10	2 7	1 58	1 27	24 20	1 24	19 5	1 2	19 24	1 30	7 39	0 48	4 28	1 48	25 26	9 12	22 30	22 42	7 21	9 27	0 24
T 5	8 38	22 11	0 8	3 58	2 14	2 28	1 26	24 23	1 24	19 4	1 2	19 26	1 30	7 40	0 48	4 27	1 48	25 26	9 13	22 30	22 42	7 24	9 29	0 24
W 6	9 0	24 37	1s 8	3 43	2 21	2 58	1 26	24 26	1 24	19 3	1 2	19 27	1 29	7 41	0 48	4 26	1 48	25 26	9 13	22 30	22 42	7 27	9 30	0 24
T 7	9 22	25 27	2 18	3 27	2 27	3 27	1 25	24 29	1 23	19 2	1 2	19 29	1 29	7 41	0 48	4 26	1 48	25 26	9 13	22 30	22 41	7 30	9 31	0 24
F 8	9 43	24 46	3 18	3 9	2 33	3 57	1 24	24 32	1 23	19 1	1 2	19 30	1 29	7 42	0 48	4 25	1 48	25 26	9 14	22 30	22 41	7 33	9 33	0 24
S 9	10 4	22 45	4 6	2 49	2 37	4 26	1 23	24 35	1 23	19 0	1 2	19 32	1 29	7 42	0 48	4 25	1 48	25 26	9 14	22 30	22 41	7 36	9 34	0 24
S 10	10 26	19 40	4 41	2 28	2 42	4 56	1 22	24 37	1 23	18 58	1 2	19 33	1 29	7 43	0 48	4 24	1 48	25 26	9 14	22 30	22 40	7 39	9 35	0 24
M11	10 47	15 45	5 1	2 4	2 45	5 25	1 21	24 40	1 23	18 57	1 2	19 34	1 29	7 44	0 48	4 23	1 48	25 26	9 14	22 30	22 40	7 42	9 37	0 23
T 12	11 7	11 16	5 8	1 40	2 48	5 54	1 20	24 42	1 23	18 56	1 2	19 36	1 28	7 44	0 48	4 23	1 48	25 26	9 15	22 29	22 40	7 45	9 38	0 23
W13	11 28	6 24	5 1	1 13	2 50	6 23	1 19	24 44	1 23	18 55	1 2	19 37	1 28	7 45	0 48	4 22	1 48	25 26	9 15	22 28	22 39	7 47	9 39	0 23
T 14	11 49	1 20	4 41	0 45	2 52	6 52	1 18	24 46	1 23	18 53	1 2	19 39	1 28	7 45	0 48	4 22	1 48	25 26	9 15	22 27	22 39	7 50	9 41	0 23
F 15	12 9	3n45	4 9	0 16	2 52	7 21	1 17	24 47	1 23	18 52	1 2	19 40	1 28	7 46	0 48	4 21	1 48	25 26	9 16	22 26	22 38	7 53	9 42	0 23
S 16	12 29	8 42	3 26	0n15	2 53	7 50	1 16	24 49	1 23	18 51	1 2	19 42	1 28	7 46	0 48	4 20	1 48	25 26	9 16	22 25	22 38	7 56	9 43	0 23
S 17	12 49	13 21	2 34	0 47	2 53	8 18	1 14	24 50	1 23	18 49	1 2	19 43	1 28	7 47	0 48	4 20	1 48	25 27	9 16	22 24	22 38	7 59	9 45	0 23
M18	13 9	17 30	1 35	1 20	2 52	8 46	1 13	24 51	1 23	18 48	1 2	19 44	1 27	7 47	0 48	4 19	1 48	25 27	9 17	22 24	22 37	8 2	9 46	0 23
T 19	13 28	20 59	0 32	1 55	2 50	9 14	1 12	24 52	1 23	18 47	1 2	19 46	1 27	7 48	0 48	4 19	1 48	25 27	9 17	22 24	22 37	8 5	9 47	0 23
W20	13 47	23 36	0n33	2 31	2 48	9 42	1 10	24 53	1 23	18 45	1 2	19 47	1 27	7 48	0 48	4 18	1 48	25 27	9 17	22 24	22 37	8 8	9 49	0 23
T 21	14 6	25 10	1 38	3 8	2 46	10 10	1 9	24 54	1 23	18 44	1 2	19 49	1 27	7 48	0 48	4 17	1 48	25 27	9 17	22 24	22 36	8 11	9 50	0 23
F 22	14 25	25 31	2 40	3 46	2 42	10 37	1 7	24 54	1 23	18 42	1 2	19 50	1 27	7 49	0 48	4 17	1 48	25 27	9 18	22 24	22 36	8 14	9 51	0 23
S 23	14 44	24 34	3 35	4 25	2 39	11 5	1 6	24 55	1 23	18 41	1 2	19 52	1 27	7 49	0 48	4 16	1 48	25 27	9 18	22 24	22 36	8 17	9 53	0 23
S 24	15 2	22 17	4 21	5 5	2 34	11 32	1 4	24 55	1 23	18 39	1 2	19 53	1 27	7 50	0 48	4 16	1 48	25 28	9 18	22 24	22 35	8 20	9 54	0 23
M25	15 20	18 44	4 54	5 47	2 30	11 58	1 2	24 55	1 23	18 37	1 2	19 54	1 27	7 50	0 48	4 15	1 48	25 28	9 19	22 24	22 35	8 23	9 55	0 23
T 26	15 38	14 4	5 11	6 29	2 24	12 25	1 1	24 54	1 23	18 36	1 2	19 56	1 26	7 50	0 47	4 15	1 48	25 28	9 19	22 24	22 34	8 25	9 57	0 22
W27	15 55	8 31	5 10	7 12	2 18	12 51	0 59	24 54	1 23	18 34	1 2	19 57	1 26	7 50	0 47	4 14	1 48	25 28	9 19	22 24	22 34	8 28	9 58	0 22
T 28	16 13	2 20	4 49	7 56	2 12	13 16	0 57	24 53	1 22	18 33	1 2	19 59	1 26	7 51	0 47	4 14	1 48	25 28	9 20	22 23	22 34	8 31	9 59	0 22
F 29	16 30	4s 7	4 8	8 40	2 5	13 42	0 55	24 53	1 22	18 31	1 2	20 0	1 26	7 51	0 47	4 13	1 48	25 29	9 20	22 23	22 33	8 34	10 0	0 22
S 30	16n46	10s25	3n 9	9n25	1s58	14n 7	0s53	24n52	1n22	18s29	1n 2	20n 2	1s26	7n51	0n47	4s13	1n48	25s29	9s20	22n22	22n33	8n37	10n 2	0n22

Julian Day Number = 2194146.5, Delta T = 10m31s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'41, Lahiri = 14°01'42 Julian Calendar 1 Apr. 1295 == Greg. Calendar 8 Apr. 1295

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ASTRODIENST EPHEMERIS for the year 1295
geocentric

MAY 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	15 3 35	17♉15'14	20♏38	1♉ 6	11♉31	3♋55	26°R34	6♊23	11°R54	14°R49	14♒24	12°R22	13♊46	1♉12	24♈59	S 1
M 2	15 7 32	18°12'55	5♐41	2°58	12°44	4°32	26♏27	6°31	11♍53	14♎47	14°25	12°D21	13°43	1°19	25° 2	M 2
T 3	15 11 28	19°10'35	20°26	4°52	13°58	5° 9	26°19	6°38	11°52	14°46	14°25	12♊21	13°40	1°25	25° 6	T 3
W 4	15 15 25	20° 8'13	4♑48	6°48	15°12	5°46	26°12	6°46	11°52	14°45	14°25	12°22	13°37	1°32	25° 9	W 4
T 5	15 19 21	21° 5'51	18°43	8°46	16°26	6°22	26° 4	6°53	11°52	14°43	14°25	12°23	13°34	1°39	25°13	T 5
F 6	15 23 18	22° 3'27	2♒11	10°46	17°39	6°59	25°57	7° 1	11°51	14°42	14°25	12°25	13°30	1°45	25°16	F 6
S 7	15 27 14	23° 1'02	15°15	12°47	18°53	7°36	25°49	7° 9	11°51	14°41	14°25	12°25	13°27	1°52	25°20	S 7
S 8	15 31 11	23°58'37	27°56	14°51	20° 7	8°13	25°41	7°17	11°51	14°40	14°R25	12°R26	13°24	1°59	25°23	S 8
M 9	15 35 8	24°56'10	10♓19	16°56	21°20	8°49	25°34	7°24	11°50	14°39	14°25	12°25	13°21	2° 5	25°27	M 9
T 10	15 39 4	25°53'42	22°28	19° 3	22°34	9°26	25°26	7°32	11°50	14°38	14°25	12°24	13°18	2°12	25°30	T 10
W11	15 43 1	26°51'14	4♈26	21°11	23°48	10° 3	25°19	7°40	11°50	14°36	14°25	12°22	13°15	2°19	25°33	W11
T 12	15 46 57	27°48'45	16°18	23°20	25° 2	10°40	25°11	7°48	11°50	14°35	14°25	12°19	13°11	2°25	25°37	T 12
F 13	15 50 54	28°46'14	28° 8	25°30	26°15	11°17	25° 3	7°55	11°D50	14°34	14°25	12°17	13° 8	2°32	25°40	F 13
S 14	15 54 50	29°43'43	9♉57	27°42	27°29	11°53	24°56	8° 3	11°50	14°33	14°25	12°15	13° 5	2°39	25°44	S 14
S 15	15 58 47	0♊41'11	21°49	29°53	28°43	12°30	24°48	8°11	11°50	14°32	14°25	12°14	13° 2	2°45	25°47	S 15
M16	16 2 43	1°38'38	3♊45	2♊ 5	29°56	13° 7	24°40	8°19	11°50	14°31	14°24	12°14	12°59	2°52	25°50	M16
T 17	16 6 40	2°36'04	15°48	4°17	1♊10	13°44	24°33	8°27	11°50	14°30	14°24	12°D13	12°56	2°59	25°53	T 17
W18	16 10 37	3°33'29	27°59	6°29	2°24	14°21	24°25	8°34	11°51	14°29	14°24	12°14	12°52	3° 6	25°57	W18
T 19	16 14 33	4°30'53	10♋21	8°40	3°38	14°58	24°18	8°42	11°51	14°28	14°24	12°14	12°49	3°12	26° 0	T 19
F 20	16 18 30	5°28'16	22°56	10°51	4°51	15°35	24°11	8°50	11°51	14°27	14°23	12°15	12°46	3°19	26° 3	F 20
S 21	16 22 26	6°25'38	5♌46	13° 0	6° 5	16°12	24° 3	8°58	11°52	14°27	14°23	12°16	12°43	3°26	26° 6	S 21
S 22	16 26 23	7°22'59	18°53	15° 8	7°19	16°49	23°56	9° 6	11°52	14°26	14°23	12°16	12°40	3°32	26° 9	S 22
M23	16 30 19	8°20'19	2♍19	17°15	8°32	17°26	23°49	9°14	11°53	14°25	14°22	12°R16	12°36	3°39	26°12	M23
T 24	16 34 16	9°17'37	16° 5	19°19	9°46	18° 2	23°42	9°22	11°53	14°24	14°22	12°16	12°33	3°46	26°15	T 24
W25	16 38 12	10°14'55	0♎12	21°23	11° 0	18°39	23°34	9°29	11°54	14°23	14°22	12°16	12°30	3°52	26°18	W25
T 26	16 42 9	11°12'11	14°37	23°24	12°13	19°16	23°27	9°37	11°55	14°23	14°21	12°16	12°27	3°59	26°21	T 26
F 27	16 46 6	12° 9'27	29°19	25°23	13°27	19°53	23°21	9°45	11°55	14°22	14°21	12°D16	12°24	4° 6	26°24	F 27
S 28	16 50 2	13° 6'42	14♏10	27°20	14°41	20°30	23°14	9°53	11°56	14°21	14°20	12°16	12°21	4°12	26°27	S 28
S 29	16 53 59	14° 3'56	29° 6	29°15	15°54	21° 7	23° 7	10° 1	11°57	14°21	14°20	12°16	12°17	4°19	26°30	S 29
M30	16 57 55	15° 1'09	13♐57	1♋ 7	17° 8	21°44	23° 0	10° 9	11°58	14°20	14°19	12°R16	12°14	4°26	26°33	M30
T 31	17 1 52	15♊58'22	28♐36	2♋58	18♊22	22♋21	22♏54	10♊16	11♍59	14♎19	14♒19	12♊16	12♊11	4♉32	26♈35	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17n 3	16s 6	1n57	10n11	1s50	14n32	0s51	24n51	1n22	18s28	1n 2	20n 3	1s26	7n51	0n47	4s12	1n48	25s29	9s20	22n22	22n32	8n40	10n 3	0n22
M 2	17 19	20 44	0 37	10 57	1 42	14 56	0 49	24 49	1 22	18 26	1 2	20 4	1 26	7 52	0 47	4 12	1 48	25 29	9 21	22 22	22 32	8 43	10 4	0 22
T 3	17 35	23 55	0s44	11 44	1 33	15 20	0 47	24 48	1 22	18 24	1 2	20 6	1 26	7 52	0 47	4 11	1 48	25 29	9 21	22 22	22 32	8 46	10 5	0 22
W 4	17 51	25 27	2 1	12 31	1 24	15 44	0 45	24 46	1 22	18 23	1 1	20 7	1 25	7 52	0 47	4 11	1 48	25 30	9 21	22 22	22 31	8 49	10 7	0 22
T 5	18 6	25 18	3 7	13 18	1 15	16 7	0 43	24 44	1 22	18 21	1 1	20 9	1 25	7 52	0 47	4 10	1 48	25 30	9 22	22 22	22 31	8 52	10 8	0 22
F 6	18 21	23 40	4 1	14 5	1 5	16 30	0 41	24 42	1 22	18 19	1 1	20 10	1 25	7 52	0 47	4 10	1 47	25 30	9 22	22 22	22 31	8 55	10 9	0 22
S 7	18 36	20 48	4 41	14 52	0 55	16 53	0 39	24 40	1 22	18 18	1 1	20 11	1 25	7 52	0 47	4 9	1 47	25 31	9 22	22 22	22 30	8 57	10 10	0 22
S 8	18 50	17 1	5 6	15 39	0 45	17 15	0 37	24 38	1 21	18 16	1 1	20 13	1 25	7 52	0 47	4 9	1 47	25 31	9 23	22 22	22 30	9 0	10 12	0 22
M 9	19 4	12 35	5 15	16 25	0 34	17 37	0 35	24 35	1 21	18 14	1 1	20 14	1 25	7 52	0 47	4 9	1 47	25 31	9 23	22 22	22 29	9 3	10 13	0 22
T 10	19 18	7 45	5 11	17 10	0 24	17 58	0 32	24 33	1 21	18 13	1 1	20 15	1 25	7 52	0 47	4 8	1 47	25 31	9 23	22 22	22 29	9 6	10 14	0 22
W11	19 32	2 42	4 53	17 55	0 13	18 18	0 30	24 30	1 21	18 11	1 1	20 17	1 25	7 52	0 47	4 8	1 47	25 32	9 23	22 22	22 29	9 9	10 15	0 21
T 12	19 45	2n24	4 22	18 39	0 2	18 39	0 28	24 27	1 21	18 9	1 1	20 18	1 25	7 52	0 47	4 7	1 47	25 32	9 24	22 22	22 28	9 12	10 16	0 21
F 13	19 58	7 25	3 40	19 21	0n 8	18 58	0 26	24 24	1 21	18 7	1 1	20 19	1 25	7 52	0 47	4 7	1 47	25 32	9 24	22 21	22 28	9 15	10 17	0 21
S 14	20 10	12 11	2 49	20 2	0 19	19 18	0 23	24 20	1 21	18 6	1 0	20 21	1 24	7 52	0 47	4 7	1 47	25 33	9 24	22 21	22 27	9 18	10 19	0 21
S 15	20 22	16 30	1 51	20 41	0 29	19 36	0 21	24 17	1 21	18 4	1 0	20 22	1 24	7 52	0 47	4 6	1 47	25 33	9 25	22 21	22 27	9 21	10 20	0 21
M16	20 34	20 13	0 47	21 18	0 39	19 55	0 19	24 13	1 20	18 2	1 0	20 23	1 24	7 52	0 47	4 6	1 47	25 33	9 25	22 21	22 27	9 24	10 21	0 21
T 17	20 46	23 6	0n20	21 53	0 49	20 12	0 16	24 9	1 20	18 1	1 0	20 25	1 24	7 52	0 47	4 6	1 47	25 34	9 25	22 21	22 26	9 27	10 22	0 21
W18	20 57	24 57	1 26	22 26	0 58	20 29	0 14	24 5	1 20	17 59	1 0	20 26	1 24	7 52	0 47	4 5	1 47	25 34	9 26	22 21	22 26	9 29	10 23	0 21
T 19	21 7	25 37	2 30	22 56	1 7	20 46	0 12	24 1	1 20	17 57	1 0	20 27	1 24	7 52	0 47	4 5	1 47	25 34	9 26	22 21	22 25	9 32	10 24	0 21
F 20	21 18	24 59	3 27	23 24	1 15	21 2	0 9	23 56	1 20	17 55	1 0	20 29	1 24	7 51	0 46	4 5	1 47	25 35	9 26	22 21	22 25	9 35	10 25	0 21
S 21	21 28	23 1	4 15	23 49	1 23	21 17	0 7	23 52	1 20	17 54	1 0	20 30	1 24	7 51	0 46	4 4	1 47	25 35	9 26	22 21	22 25	9 38	10 26	0 21
S 22	21 38	19 50	4 51	24 11	1 30	21 32	0 5	23 47	1 20	17 52	0 59	20 31	1 24	7 51	0 46	4 4	1 47	25 36	9 27	22 21	22 24	9 41	10 27	0 21
M23	21 47	15 33	5 13	24 31	1 36	21 47	0 2	23 42	1 19	17 51	0 59	20 32	1 24	7 51	0 46	4 4	1 47	25 36	9 27	22 21	22 24	9 44	10 29	0 21
T 24	21 56	10 22	5 17	24 48	1 42	22 0	0n 0	23 37	1 19	17 49	0 59	20 34	1 24	7 51	0 46	4 4	1 47	25 36	9 27	22 21	22 23	9 47	10 30	0 21
W25	22 4	4 32	5 2	25 2	1 47	22 13	0 3	23 32	1 19	17 47	0 59	20 35	1 24	7 50	0 46	4 3	1 47	25 37	9 28	22 21	22 23	9 50	10 31	0 21
T 26	22 12	1s40	4 28	25 13	1 51	22 26	0 5	23 27	1 19	17 46	0 59	20 36	1 23	7 50	0 46	4 3	1 47	25 37	9 28	22 21	22 22	9 53	10 32	0 21
F 27	22 20	7 54	3 37	25 22	1 55	22 37	0 7	23 21	1 19	17 44	0 59	20 37	1 23	7 50	0 46	4 3	1 47	25 38	9 28	22 21	22 22	9 56	10 33	0 20
S 28	22 28	13 46	2 30	25 28	1 58	22 48	0 10	23 15	1 19	17 43	0 58	20 39	1 23	7 49	0 46	4 3	1 47	25 38	9 28	22 21	22 22	9 58	10 34	0 20
S 29	22 35	18 51	1 13	25 32	2 0	22 59	0 12	23 9	1 18	17 41	0 58	20 40	1 23	7 49	0 46	4 2	1 47	25 38	9 29	22 21	22 21	10 1	10 35	0 20
M30	22 41	22 43	0s 9	25 33	2 1	23 9	0 14	23 3	1 18	17 40	0 58	20 41	1 23	7 49	0 46	4 2	1 46	25 39	9 29	22 21	22 21	10 4	10 36	0 20
T 31	22n47	25s 1	1s29	25n32	2n 2	23n18	0n17	22n57	1n18	17s38	0n58	20n42	1s23	7n48	0n46	4s 2	1n46	25s39	9s29	22n21	22n20	10n 7	10n36	0n20

Julian Day Number = 2194176.5, Delta T = 10m31s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'45, Lahiri = 14°01'46 Julian Calendar 1 May 1295 == Greg. Calendar 8 May 1295

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ASTRODIENST EPHEMERIS for the year 1295
geocentric

JUNE 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	17 5 48	16♊55'35	12♉57	4♋46	19♊36	22♋59	22°R47	10♊24	12♍ 0	14°R19	14°R18	12°R16	12♊ 8	4♉39	26♈38	W 1
T 2	17 9 45	17°52'47	26°56	6°31	20°49	23°36	22♏41	10°32	12° 1	14♎18	14♒17	12♊15	12° 5	4°46	26°41	T 2
F 3	17 13 41	18°49'59	10♒29	8°15	22° 3	24°13	22°35	10°40	12° 2	14°18	14°17	12°15	12° 2	4°52	26°43	F 3
S 4	17 17 38	19°47'11	23°38	9°56	23°17	24°50	22°29	10°48	12° 3	14°17	14°16	12°14	11°58	4°59	26°46	S 4
S 5	17 21 35	20°44'23	6♓23	11°34	24°30	25°27	22°23	10°55	12° 4	14°17	14°16	12°13	11°55	5° 6	26°49	S 5
M 6	17 25 31	21°41'34	18°49	13°11	25°44	26° 4	22°17	11° 3	12° 6	14°16	14°15	12°D13	11°52	5°12	26°51	M 6
T 7	17 29 28	22°38'45	0♈59	14°45	26°58	26°41	22°11	11°11	12° 7	14°16	14°14	12°13	11°49	5°19	26°54	T 7
W 8	17 33 24	23°35'57	12°57	16°16	28°11	27°18	22° 5	11°19	12° 8	14°16	14°13	12°14	11°46	5°26	26°56	W 8
T 9	17 37 21	24°33'08	24°48	17°45	29°25	27°55	22° 0	11°26	12°10	14°15	14°13	12°14	11°42	5°32	26°59	T 9
F 10	17 41 17	25°30'19	6♉37	19°12	0♋39	28°33	21°55	11°34	12°11	14°15	14°12	12°16	11°39	5°39	27° 1	F 10
S 11	17 45 14	26°27'31	18°28	20°36	1°53	29°10	21°49	11°42	12°13	14°15	14°11	12°17	11°36	5°46	27° 3	S 11
S 12	17 49 10	27°24'42	0♊24	21°57	3° 6	29°47	21°44	11°50	12°14	14°15	14°10	12°18	11°33	5°52	27° 6	S 12
M13	17 53 7	28°21'54	12°28	23°16	4°20	0♌24	21°40	11°57	12°16	14°14	14°10	12°R18	11°30	5°59	27° 8	M13
T 14	17 57 4	29°19'05	24°43	24°33	5°34	1° 1	21°35	12° 5	12°18	14°14	14° 9	12°18	11°27	6° 6	27°10	T 14
W15	18 1 0	0♋16'17	7♋10	25°47	6°48	1°39	21°30	12°12	12°19	14°14	14° 8	12°16	11°23	6°12	27°12	W15
T 16	18 4 57	1°13'28	19°50	26°58	8° 1	2°16	21°26	12°20	12°21	14°14	14° 7	12°14	11°20	6°19	27°14	T 16
F 17	18 8 53	2°10'40	2♌44	28° 6	9°15	2°53	21°21	12°28	12°23	14°14	14° 6	12°12	11°17	6°26	27°16	F 17
S 18	18 12 50	3° 7'51	15°52	29°12	10°29	3°30	21°17	12°35	12°25	14°14	14° 5	12° 9	11°14	6°32	27°18	S 18
S 19	18 16 46	4° 5'02	29°15	0♌15	11°43	4° 8	21°13	12°43	12°27	14°D14	14° 4	12° 6	11°11	6°39	27°20	S 19
M20	18 20 43	5° 2'13	12♍51	1°14	12°56	4°45	21°10	12°50	12°28	14°14	14° 3	12° 4	11° 8	6°46	27°22	M20
T 21	18 24 39	5°59'23	26°40	2°11	14°10	5°22	21° 6	12°58	12°30	14°14	14° 2	12° 2	11° 4	6°52	27°24	T 21
W22	18 28 36	6°56'34	10♎41	3° 4	15°24	6° 0	21° 2	13° 5	12°32	14°14	14° 1	12°D 2	11° 1	6°59	27°26	W22
T 23	18 32 33	7°53'45	24°54	3°54	16°38	6°37	20°59	13°12	12°34	14°14	14° 0	12° 3	10°58	7° 6	27°28	T 23
F 24	18 36 29	8°50'55	9♏16	4°40	17°51	7°15	20°56	13°20	12°37	14°14	13°59	12° 4	10°55	7°12	27°30	F 24
S 25	18 40 26	9°48'06	23°44	5°23	19° 5	7°52	20°53	13°27	12°39	14°15	13°58	12° 5	10°52	7°19	27°31	S 25
S 26	18 44 22	10°45'16	8♐15	6° 2	20°19	8°29	20°50	13°34	12°41	14°15	13°57	12°R 6	10°48	7°26	27°33	S 26
M27	18 48 19	11°42'27	22°43	6°37	21°33	9° 7	20°48	13°42	12°43	14°15	13°56	12° 6	10°45	7°32	27°34	M27
T 28	18 52 15	12°39'38	7♑ 4	7° 8	22°46	9°44	20°45	13°49	12°45	14°15	13°55	12° 4	10°42	7°39	27°36	T 28
W29	18 56 12	13°36'50	21°12	7°35	24° 0	10°22	20°43	13°56	12°48	14°16	13°54	12° 1	10°39	7°46	27°37	W29
T 30	19 0 9	14♋34'02	5♒ 3	7♌58	25♋14	10♌59	20♏41	14♊ 3	12♍50	14♎16	13♒53	11♊57	10♊36	7♉52	27♈39	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n53	25s35	2s42	25n28	2n 2	23n26	0n19	22n51	1n18	17s37	0n58	20n43	1s23	7n48	0n46	4s 2	1n46	25s40	9s30	22n21	22n20	10n10	10n37	0n20
T 2	22 59	24 30	3 43	25 23	2 1	23 34	0 21	22 44	1 18	17 35	0 57	20 45	1 23	7 47	0 46	4 2	1 46	25 40	9 30	22 21	22 20	10 13	10 38	0 20
F 3	23 4	22 0	4 30	25 15	1 59	23 41	0 24	22 38	1 18	17 34	0 57	20 46	1 23	7 47	0 46	4 2	1 46	25 41	9 30	22 21	22 19	10 16	10 39	0 20
S 4	23 8	18 25	5 1	25 6	1 57	23 47	0 26	22 31	1 17	17 33	0 57	20 47	1 23	7 46	0 46	4 1	1 46	25 41	9 30	22 21	22 19	10 19	10 40	0 20
S 5	23 12	14 5	5 15	24 55	1 54	23 53	0 28	22 24	1 17	17 31	0 57	20 48	1 23	7 46	0 46	4 1	1 46	25 41	9 31	22 21	22 18	10 21	10 41	0 20
M 6	23 16	9 16	5 15	24 43	1 51	23 58	0 30	22 17	1 17	17 30	0 57	20 49	1 23	7 45	0 46	4 1	1 46	25 42	9 31	22 21	22 18	10 24	10 42	0 20
T 7	23 20	4 12	5 0	24 29	1 46	24 2	0 33	22 9	1 17	17 29	0 56	20 50	1 23	7 45	0 46	4 1	1 46	25 42	9 31	22 21	22 17	10 27	10 43	0 20
W 8	23 23	0n57	4 33	24 13	1 42	24 6	0 35	22 2	1 17	17 27	0 56	20 51	1 23	7 44	0 46	4 1	1 46	25 43	9 31	22 21	22 17	10 30	10 44	0 20
T 9	23 25	6 1	3 54	23 56	1 36	24 9	0 37	21 54	1 16	17 26	0 56	20 52	1 23	7 44	0 46	4 1	1 46	25 43	9 32	22 21	22 17	10 33	10 44	0 20
F 10	23 27	10 52	3 5	23 38	1 30	24 11	0 39	21 47	1 16	17 25	0 56	20 54	1 23	7 43	0 46	4 1	1 46	25 44	9 32	22 21	22 16	10 36	10 45	0 20
S 11	23 29	15 20	2 8	23 19	1 23	24 12	0 41	21 39	1 16	17 24	0 56	20 55	1 23	7 42	0 46	4 1	1 46	25 44	9 32	22 21	22 16	10 39	10 46	0 20
S 12	23 30	19 15	1 5	22 59	1 16	24 13	0 43	21 31	1 16	17 23	0 55	20 56	1 23	7 42	0 46	4 1	1 46	25 45	9 32	22 21	22 15	10 42	10 47	0 20
M13	23 31	22 24	0n 1	22 38	1 8	24 13	0 46	21 22	1 16	17 22	0 55	20 57	1 23	7 41	0 45	4 1	1 46	25 45	9 33	22 21	22 15	10 44	10 48	0 19
T 14	23 32	24 34	1 8	22 17	1 0	24 12	0 48	21 14	1 16	17 21	0 55	20 58	1 23	7 40	0 45	4 1	1 46	25 46	9 33	22 21	22 14	10 47	10 48	0 19
W15	23 32	25 33	2 13	21 55	0 51	24 11	0 50	21 6	1 15	17 20	0 55	20 59	1 23	7 40	0 45	4 1	1 46	25 46	9 33	22 21	22 14	10 50	10 49	0 19
T 16	23 32	25 14	3 13	21 32	0 42	24 9	0 52	20 57	1 15	17 19	0 54	21 0	1 22	7 39	0 45	4 1	1 46	25 47	9 33	22 21	22 14	10 53	10 50	0 19
F 17	23 31	23 34	4 3	21 9	0 32	24 6	0 54	20 48	1 15	17 18	0 54	21 1	1 22	7 38	0 45	4 1	1 46	25 47	9 34	22 20	22 13	10 56	10 50	0 19
S 18	23 30	20 37	4 42	20 45	0 22	24 2	0 55	20 39	1 15	17 17	0 54	21 2	1 22	7 38	0 45	4 1	1 45	25 48	9 34	22 20	22 13	10 59	10 51	0 19
S 19	23 28	16 34	5 7	20 21	0 11	23 58	0 57	20 30	1 14	17 16	0 54	21 3	1 22	7 37	0 45	4 1	1 45	25 48	9 34	22 20	22 12	11 2	10 52	0 19
M20	23 26	11 36	5 14	19 57	0s 0	23 53	0 59	20 21	1 14	17 15	0 54	21 4	1 22	7 36	0 45	4 1	1 45	25 49	9 34	22 19	22 12	11 5	10 52	0 19
T 21	23 24	5 59	5 4	19 33	0 12	23 47	1 1	20 12	1 14	17 15	0 53	21 5	1 22	7 35	0 45	4 1	1 45	25 49	9 35	22 19	22 11	11 7	10 53	0 19
W22	23 21	0s 1	4 36	19 9	0 24	23 41	1 3	20 2	1 14	17 14	0 53	21 6	1 22	7 34	0 45	4 1	1 45	25 50	9 35	22 19	22 11	11 10	10 54	0 19
T 23	23 18	6 6	3 51	18 46	0 37	23 33	1 4	19 53	1 14	17 13	0 53	21 7	1 22	7 34	0 45	4 1	1 45	25 50	9 35	22 19	22 10	11 13	10 54	0 19
F 24	23 14	11 56	2 51	18 22	0 49	23 25	1 6	19 43	1 13	17 13	0 53	21 8	1 22	7 33	0 45	4 1	1 45	25 51	9 35	22 20	22 10	11 16	10 55	0 19
S 25	23 10	17 11	1 39	17 59	1 2	23 17	1 8	19 33	1 13	17 12	0 52	21 8	1 22	7 32	0 45	4 1	1 45	25 51	9 35	22 20	22 10	11 19	10 55	0 19
S 26	23 6	21 25	0 21	17 37	1 16	23 8	1 9	19 23	1 13	17 12	0 52	21 9	1 22	7 31	0 45	4 2	1 45	25 52	9 36	22 20	22 9	11 22	10 56	0 19
M27	23 1	24 18	0s58	17 15	1 29	22 58	1 11	19 13	1 13	17 11	0 52	21 10	1 22	7 30	0 45	4 2	1 45	25 52	9 36	22 20	22 9	11 25	10 56	0 19
T 28	22 56	25 33	2 12	16 54	1 43	22 47	1 12	19 3	1 12	17 11	0 52	21 11	1 22	7 29	0 45	4 2	1 45	25 53	9 36	22 20	22 8	11 27	10 57	0 19
W29	22 50	25 6	3 18	16 33	1 57	22 36	1 13	18 52	1 12	17 11	0 51	21 12	1 22	7 28	0 45	4 2	1 45	25 53	9 36	22 19	22 8	11 30	10 57	0 19
T 30	22n44	23s 7	4s10	16n14	2s11	22n24	1n15	18n42	1n12	17s10	0n51	21n13	1s22	7n27	0n45	4s 2	1n45	25s54	9s36	22n18	22n 7	11n33	10n58	0n18

Julian Day Number = 2194207.5, Delta T = 10m31s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'49, Lahiri = 14°01'50 Julian Calendar 1 June 1295 == Greg. Calendar 8 June 1295

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ASTRODIENST EPHEMERIS for the year 1295
geocentric

JULY 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	19 4 5	15♋31'14	18♒33	8♌16	26♋28	11♌37	20°R39	14♊10	12♍53	14♎16	13°R52	11°R51	10♊33	7♉59	27♈40	F 1
S 2	19 8 2	16°28'27	1♓41	8°29	27°41	12°14	20♏37	14°18	12°55	14°17	13♒51	11♊46	10°29	8° 6	27°42	S 2
S 3	19 11 58	17°25'41	14°27	8°38	28°55	12°52	20°36	14°25	12°57	14°17	13°49	11°42	10°26	8°12	27°43	S 3
M 4	19 15 55	18°22'56	26°54	8°R42	0♌ 9	13°29	20°34	14°32	13° 0	14°18	13°48	11°38	10°23	8°19	27°44	M 4
T 5	19 19 51	19°20'11	9♈ 5	8°41	1°23	14° 7	20°33	14°39	13° 3	14°18	13°47	11°36	10°20	8°26	27°45	T 5
W 6	19 23 48	20°17'27	21° 3	8°35	2°36	14°44	20°32	14°45	13° 5	14°19	13°46	11°D35	10°17	8°32	27°46	W 6
T 7	19 27 44	21°14'44	2♉55	8°24	3°50	15°22	20°31	14°52	13° 8	14°19	13°45	11°36	10°14	8°39	27°47	T 7
F 8	19 31 41	22°12'03	14°45	8° 8	5° 4	15°59	20°31	14°59	13°10	14°20	13°43	11°37	10°10	8°46	27°48	F 8
S 9	19 35 38	23° 9'22	26°37	7°47	6°18	16°37	20°30	15° 6	13°13	14°21	13°42	11°39	10° 7	8°52	27°49	S 9
S 10	19 39 34	24° 6'42	8♊37	7°22	7°31	17°15	20°30	15°13	13°16	14°21	13°41	11°R40	10° 4	8°59	27°50	S 10
M11	19 43 31	25° 4'03	20°49	6°52	8°45	17°52	20°D30	15°19	13°19	14°22	13°40	11°39	10° 1	9° 6	27°51	M11
T 12	19 47 27	26° 1'25	3♋15	6°18	9°59	18°30	20°30	15°26	13°22	14°23	13°39	11°37	9°58	9°12	27°52	T 12
W13	19 51 24	26°58'49	15°58	5°41	11°13	19° 8	20°31	15°33	13°24	14°23	13°37	11°33	9°54	9°19	27°53	W13
T 14	19 55 20	27°56'13	28°59	5° 0	12°27	19°46	20°31	15°39	13°27	14°24	13°36	11°27	9°51	9°26	27°53	T 14
F 15	19 59 17	28°53'38	12♌16	4°17	13°40	20°23	20°32	15°46	13°30	14°25	13°35	11°20	9°48	9°32	27°54	F 15
S 16	20 3 13	29°51'03	25°49	3°32	14°54	21° 1	20°33	15°52	13°33	14°26	13°33	11°12	9°45	9°39	27°55	S 16
S 17	20 7 10	0♌48'30	9♍34	2°46	16° 8	21°39	20°34	15°58	13°36	14°27	13°32	11° 4	9°42	9°46	27°55	S 17
M18	20 11 7	1°45'57	23°30	2° 0	17°22	22°17	20°35	16° 5	13°39	14°28	13°31	10°57	9°39	9°52	27°55	M18
T 19	20 15 3	2°43'25	7♎32	1°14	18°35	22°55	20°36	16°11	13°42	14°29	13°30	10°53	9°35	9°59	27°56	T 19
W20	20 19 0	3°40'54	21°39	0°30	19°49	23°33	20°38	16°17	13°45	14°30	13°28	10°50	9°32	10° 6	27°56	W20
T 21	20 22 56	4°38'24	5♏48	29♋48	21° 3	24°10	20°39	16°23	13°48	14°31	13°27	10°D50	9°29	10°12	27°57	T 21
F 22	20 26 53	5°35'54	19°57	29°10	22°17	24°48	20°41	16°29	13°52	14°32	13°26	10°50	9°26	10°19	27°57	F 22
S 23	20 30 49	6°33'26	4♐ 6	28°35	23°30	25°26	20°44	16°35	13°55	14°33	13°24	10°R51	9°23	10°26	27°57	S 23
S 24	20 34 46	7°30'58	18°13	28° 5	24°44	26° 4	20°46	16°41	13°58	14°34	13°23	10°51	9°20	10°32	27°57	S 24
M25	20 38 42	8°28'31	2♑16	27°40	25°58	26°42	20°48	16°47	14° 1	14°35	13°22	10°49	9°16	10°39	27°57	M25
T 26	20 42 39	9°26'06	16°11	27°21	27°12	27°20	20°51	16°53	14° 4	14°36	13°20	10°45	9°13	10°46	27°R57	T 26
W27	20 46 36	10°23'41	29°57	27° 8	28°25	27°58	20°54	16°59	14° 8	14°37	13°19	10°38	9°10	10°52	27°57	W27
T 28	20 50 32	11°21'18	13♒30	27°D 3	29°39	28°36	20°57	17° 4	14°11	14°39	13°18	10°29	9° 7	10°59	27°57	T 28
F 29	20 54 29	12°18'56	26°47	27° 4	0♍53	29°14	21° 0	17°10	14°14	14°40	13°16	10°19	9° 4	11° 6	27°57	F 29
S 30	20 58 25	13°16'35	9♓46	27°12	2° 7	29°52	21° 3	17°15	14°18	14°41	13°15	10° 8	9° 0	11°12	27°57	S 30
S 31	21 2 22	14♌14'15	22♓27	27♋28	3♍20	0♍30	21♏ 7	17♊21	14♍21	14♎42	13♒14	9♊58	8♊57	11♉19	27♈56	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n37	19s51	4s46	15n56	2s25	22n11	1n16	18n31	1n12	17s10	0n51	21n14	1s22	7n26	0n45	4s 2	1n45	25s54	9s37	22n18	22n 7	11n36	10n58	0n18
S 2	22 31	15 41	5 7	15 39	2 40	21 58	1 17	18 20	1 11	17 10	0 51	21 14	1 22	7 25	0 45	4 3	1 45	25 55	9 37	22 17	22 6	11 39	10 59	0 18
S 3	22 23	10 55	5 11	15 23	2 54	21 44	1 19	18 9	1 11	17 10	0 50	21 15	1 22	7 24	0 45	4 3	1 45	25 55	9 37	22 16	22 6	11 42	10 59	0 18
M 4	22 16	5 50	5 1	15 9	3 7	21 30	1 20	17 58	1 11	17 9	0 50	21 16	1 22	7 23	0 45	4 3	1 45	25 56	9 37	22 16	22 5	11 44	10 59	0 18
T 5	22 8	0 37	4 37	14 56	3 21	21 14	1 21	17 47	1 11	17 9	0 50	21 17	1 22	7 22	0 45	4 3	1 45	25 56	9 37	22 16	22 5	11 47	11 0	0 18
W 6	22 0	4n32	4 1	14 45	3 34	20 59	1 22	17 36	1 10	17 9	0 50	21 18	1 22	7 21	0 45	4 4	1 45	25 57	9 37	22 16	22 5	11 50	11 0	0 18
T 7	21 51	9 29	3 15	14 35	3 46	20 42	1 23	17 25	1 10	17 9	0 49	21 18	1 22	7 20	0 45	4 4	1 44	25 57	9 38	22 16	22 4	11 53	11 1	0 18
F 8	21 42	14 5	2 21	14 28	3 58	20 25	1 24	17 13	1 10	17 9	0 49	21 19	1 22	7 19	0 45	4 4	1 44	25 58	9 38	22 16	22 4	11 56	11 1	0 18
S 9	21 32	18 10	1 21	14 23	4 9	20 8	1 24	17 1	1 10	17 10	0 49	21 20	1 22	7 18	0 45	4 4	1 44	25 58	9 38	22 16	22 3	11 59	11 1	0 18
S 10	21 22	21 33	0 17	14 19	4 19	19 50	1 25	16 50	1 9	17 10	0 49	21 21	1 22	7 17	0 45	4 5	1 44	25 59	9 38	22 16	22 3	12 1	11 1	0 18
M11	21 12	24 2	0n49	14 18	4 28	19 31	1 26	16 38	1 9	17 10	0 48	21 21	1 22	7 16	0 44	4 5	1 44	25 59	9 38	22 16	22 2	12 4	11 2	0 18
T 12	21 1	25 24	1 54	14 18	4 36	19 12	1 27	16 26	1 9	17 10	0 48	21 22	1 22	7 15	0 44	4 5	1 44	26 0	9 38	22 16	22 2	12 7	11 2	0 18
W13	20 51	25 28	2 55	14 21	4 43	18 52	1 27	16 14	1 9	17 10	0 48	21 23	1 22	7 14	0 44	4 6	1 44	26 0	9 38	22 15	22 1	12 10	11 2	0 18
T 14	20 39	24 9	3 47	14 26	4 48	18 32	1 28	16 2	1 8	17 11	0 48	21 23	1 22	7 13	0 44	4 6	1 44	26 1	9 39	22 14	22 1	12 13	11 2	0 18
F 15	20 28	21 29	4 29	14 33	4 51	18 11	1 28	15 49	1 8	17 11	0 47	21 24	1 22	7 12	0 44	4 6	1 44	26 1	9 39	22 13	22 0	12 16	11 2	0 18
S 16	20 16	17 36	4 56	14 42	4 53	17 50	1 28	15 37	1 8	17 12	0 47	21 25	1 22	7 10	0 44	4 7	1 44	26 2	9 39	22 12	22 0	12 18	11 3	0 18
S 17	20 3	12 44	5 7	14 52	4 52	17 28	1 29	15 25	1 8	17 12	0 47	21 25	1 22	7 9	0 44	4 7	1 44	26 2	9 39	22 11	21 59	12 21	11 3	0 17
M18	19 51	7 10	5 0	15 4	4 50	17 6	1 29	15 12	1 7	17 13	0 47	21 26	1 22	7 8	0 44	4 8	1 44	26 3	9 39	22 10	21 59	12 24	11 3	0 17
T 19	19 38	1 12	4 35	15 18	4 47	16 43	1 29	14 59	1 7	17 13	0 46	21 27	1 23	7 7	0 44	4 8	1 44	26 3	9 39	22 10	21 58	12 27	11 3	0 17
W20	19 24	4s52	3 53	15 33	4 41	16 20	1 29	14 46	1 7	17 14	0 46	21 27	1 23	7 6	0 44	4 8	1 44	26 4	9 39	22 9	21 58	12 30	11 3	0 17
T 21	19 11	10 43	2 57	15 48	4 34	15 57	1 29	14 34	1 6	17 15	0 46	21 28	1 23	7 4	0 44	4 9	1 44	26 4	9 39	22 9	21 58	12 33	11 3	0 17
F 22	18 57	16 2	1 50	16 5	4 25	15 33	1 29	14 21	1 6	17 16	0 46	21 28	1 23	7 3	0 44	4 9	1 44	26 5	9 39	22 9	21 57	12 35	11 3	0 17
S 23	18 42	20 27	0 36	16 22	4 14	15 8	1 29	14 7	1 6	17 16	0 46	21 29	1 23	7 2	0 44	4 10	1 44	26 5	9 40	22 9	21 57	12 38	11 3	0 17
S 24	18 28	23 40	0s39	16 40	4 2	14 43	1 29	13 54	1 6	17 17	0 45	21 30	1 23	7 1	0 44	4 10	1 44	26 6	9 40	22 9	21 56	12 41	11 3	0 17
M25	18 13	25 23	1 52	16 58	3 49	14 18	1 29	13 41	1 5	17 18	0 45	21 30	1 23	6 59	0 44	4 11	1 44	26 6	9 40	22 9	21 56	12 44	11 3	0 17
T 26	17 58	25 29	2 57	17 15	3 35	13 53	1 29	13 28	1 5	17 19	0 45	21 31	1 23	6 58	0 44	4 11	1 43	26 7	9 40	22 9	21 55	12 47	11 3	0 17
W27	17 42	24 0	3 51	17 33	3 20	13 27	1 28	13 14	1 5	17 20	0 45	21 31	1 23	6 57	0 44	4 12	1 43	26 7	9 40	22 8	21 55	12 49	11 3	0 17
T 28	17 26	21 9	4 31	17 49	3 4	13 0	1 28	13 1	1 4	17 21	0 44	21 32	1 23	6 55	0 44	4 12	1 43	26 8	9 40	22 6	21 54	12 52	11 3	0 17
F 29	17 10	17 15	4 55	18 5	2 47	12 34	1 27	12 47	1 4	17 22	0 44	21 32	1 23	6 54	0 44	4 13	1 43	26 8	9 40	22 5	21 54	12 55	11 3	0 17
S 30	16 54	12 37	5 3	18 21	2 30	12 7	1 27	12 33	1 4	17 23	0 44	21 33	1 23	6 53	0 44	4 13	1 43	26 9	9 40	22 3	21 53	12 58	11 2	0 17
S 31	16n37	7s32	4s56	18n34	2s13	11n39	1n26	12n20	1n 4	17s24	0n44	21n33	1s23	6n52	0n44	4s14	1n43	26s 9	9s40	22n 2	21n53	13n 1	11n 2	0n17

Julian Day Number = 2194237.5, Delta T = 10m31s
Ecliptic obliquity = 23°31'53, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'54, Lahiri = 14°01'54 Julian Calendar 1 July 1295 == Greg. Calendar 8 July 1295

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1295
geocentric

AUGUST 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	21 6 18	15♌11'58	4♈51	27♋51	4♍34	1♍ 8	21♏11	17♊26	14♍24	14♎44	13°R12	9°R50	8♊54	11♉26	27°R56	M 1
T 2	21 10 15	16° 9'41	17° 0	28°22	5°48	1°47	21°14	17°32	14°28	14°45	13♒11	9♊44	8°51	11°32	27♈56	T 2
W 3	21 14 11	17° 7'27	28°58	29° 0	7° 1	2°25	21°18	17°37	14°31	14°46	13°10	9°40	8°48	11°39	27°55	W 3
T 4	21 18 8	18° 5'14	10♉49	29°46	8°15	3° 3	21°23	17°42	14°35	14°48	13° 9	9°38	8°45	11°46	27°55	T 4
F 5	21 22 5	19° 3'03	22°38	0♌38	9°29	3°41	21°27	17°47	14°38	14°49	13° 7	9°D38	8°41	11°52	27°54	F 5
S 6	21 26 1	20° 0'54	4♊31	1°38	10°42	4°19	21°31	17°52	14°42	14°51	13° 6	9°R39	8°38	11°59	27°53	S 6
S 7	21 29 58	20°58'46	16°33	2°44	11°56	4°58	21°36	17°57	14°45	14°52	13° 5	9°39	8°35	12° 6	27°53	S 7
M 8	21 33 54	21°56'41	28°48	3°56	13°10	5°36	21°41	18° 2	14°49	14°54	13° 3	9°37	8°32	12°12	27°52	M 8
T 9	21 37 51	22°54'37	11♋22	5°14	14°23	6°14	21°46	18° 7	14°52	14°55	13° 2	9°33	8°29	12°19	27°51	T 9
W10	21 41 47	23°52'35	24°17	6°38	15°37	6°53	21°51	18°12	14°56	14°57	13° 1	9°27	8°26	12°26	27°50	W10
T 11	21 45 44	24°50'35	7♌34	8° 7	16°51	7°31	21°56	18°16	15° 0	14°58	12°59	9°18	8°22	12°32	27°49	T 11
F 12	21 49 40	25°48'36	21°13	9°41	18° 4	8° 9	22° 2	18°21	15° 3	15° 0	12°58	9° 7	8°19	12°39	27°49	F 12
S 13	21 53 37	26°46'39	5♍11	11°19	19°18	8°48	22° 8	18°25	15° 7	15° 1	12°57	8°56	8°16	12°46	27°48	S 13
S 14	21 57 34	27°44'44	19°23	13° 0	20°32	9°26	22°13	18°30	15°10	15° 3	12°56	8°44	8°13	12°52	27°46	S 14
M15	22 1 30	28°42'50	3♎44	14°45	21°45	10° 5	22°19	18°34	15°14	15° 5	12°54	8°34	8°10	12°59	27°45	M15
T 16	22 5 27	29°40'57	18° 9	16°32	22°59	10°43	22°25	18°38	15°18	15° 6	12°53	8°27	8° 6	13° 6	27°44	T 16
W17	22 9 23	0♍39'06	2♏31	18°22	24°13	11°22	22°32	18°42	15°21	15° 8	12°52	8°22	8° 3	13°12	27°43	W17
T 18	22 13 20	1°37'17	16°47	20°14	25°26	12° 0	22°38	18°46	15°25	15°10	12°50	8°20	8° 0	13°19	27°42	T 18
F 19	22 17 16	2°35'29	0♐56	22° 7	26°40	12°39	22°45	18°50	15°29	15°12	12°49	8°20	7°57	13°26	27°40	F 19
S 20	22 21 13	3°33'43	14°55	24° 1	27°53	13°18	22°51	18°54	15°33	15°13	12°48	8°20	7°54	13°32	27°39	S 20
S 21	22 25 9	4°31'58	28°46	25°55	29° 7	13°56	22°58	18°58	15°36	15°15	12°47	8°19	7°51	13°39	27°38	S 21
M22	22 29 6	5°30'15	12♑27	27°51	0♎20	14°35	23° 5	19° 1	15°40	15°17	12°46	8°16	7°47	13°46	27°36	M22
T 23	22 33 3	6°28'34	25°59	29°46	1°34	15°14	23°12	19° 5	15°44	15°19	12°44	8°10	7°44	13°52	27°35	T 23
W24	22 36 59	7°26'54	9♒21	1♍41	2°47	15°52	23°19	19° 8	15°47	15°21	12°43	8° 2	7°41	13°59	27°33	W24
T 25	22 40 56	8°25'15	22°31	3°36	4° 1	16°31	23°27	19°12	15°51	15°22	12°42	7°51	7°38	14° 6	27°31	T 25
F 26	22 44 52	9°23'39	5♓29	5°30	5°14	17°10	23°34	19°15	15°55	15°24	12°41	7°38	7°35	14°12	27°30	F 26
S 27	22 48 49	10°22'04	18°13	7°24	6°28	17°49	23°42	19°18	15°59	15°26	12°40	7°25	7°31	14°19	27°28	S 27
S 28	22 52 45	11°20'32	0♈43	9°17	7°41	18°28	23°50	19°21	16° 3	15°28	12°39	7°12	7°28	14°26	27°26	S 28
M29	22 56 42	12°19'01	12°59	11°10	8°55	19° 6	23°58	19°24	16° 6	15°30	12°37	7° 1	7°25	14°32	27°24	M29
T 30	23 0 38	13°17'32	25° 4	13° 1	10° 8	19°45	24° 6	19°27	16°10	15°32	12°36	6°53	7°22	14°39	27°23	T 30
W31	23 4 35	14♍16'06	6♉58	14♍52	11♎21	20♍24	24♏14	19♊30	16♍14	15♎34	12♒35	6♊47	7♊19	14♉46	27♈21	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	16n20	2s16	4s35	18n47	1s56	11n12	1n25	12n 6	1n 3	17s25	0n43	21n34	1s23	6n50	0n44	4s14	1n43	26s10	9s40	22n 1	21n52	13n 3	11n 2	0n17
T 2	16 3	2n59	4 2	18 58	1 39	10 44	1 25	11 52	1 3	17 27	0 43	21 34	1 23	6 49	0 44	4 15	1 43	26 10	9 40	22 0	21 52	13 6	11 2	0 16
W 3	15 46	8 3	3 19	19 7	1 21	10 16	1 24	11 38	1 3	17 28	0 43	21 34	1 23	6 47	0 44	4 16	1 43	26 10	9 40	21 59	21 51	13 9	11 2	0 16
T 4	15 28	12 48	2 27	19 14	1 5	9 47	1 23	11 24	1 2	17 29	0 43	21 35	1 23	6 46	0 44	4 16	1 43	26 11	9 40	21 59	21 51	13 12	11 1	0 16
F 5	15 10	17 4	1 29	19 18	0 48	9 18	1 22	11 9	1 2	17 31	0 43	21 35	1 23	6 45	0 44	4 17	1 43	26 11	9 40	21 59	21 50	13 15	11 1	0 16
S 6	14 52	20 41	0 27	19 21	0 32	8 49	1 21	10 55	1 2	17 32	0 42	21 36	1 23	6 43	0 44	4 17	1 43	26 12	9 40	21 59	21 50	13 17	11 1	0 16
S 7	14 34	23 27	0n37	19 21	0 17	8 20	1 20	10 41	1 1	17 33	0 42	21 36	1 23	6 42	0 44	4 18	1 43	26 12	9 40	21 59	21 49	13 20	11 1	0 16
M 8	14 15	25 12	1 40	19 18	0 2	7 51	1 18	10 26	1 1	17 35	0 42	21 36	1 23	6 41	0 44	4 19	1 43	26 13	9 40	21 59	21 49	13 23	11 0	0 16
T 9	13 56	25 42	2 40	19 13	0n11	7 21	1 17	10 12	1 1	17 36	0 42	21 37	1 23	6 39	0 44	4 19	1 43	26 13	9 40	21 58	21 48	13 26	11 0	0 16
W10	13 37	24 50	3 33	19 5	0 24	6 51	1 16	9 57	1 0	17 38	0 41	21 37	1 23	6 38	0 44	4 20	1 43	26 13	9 40	21 57	21 48	13 28	11 0	0 16
T 11	13 17	22 35	4 17	18 54	0 36	6 21	1 14	9 43	1 0	17 40	0 41	21 38	1 23	6 36	0 44	4 20	1 43	26 14	9 40	21 56	21 47	13 31	10 59	0 16
F 12	12 58	19 0	4 47	18 40	0 48	5 51	1 13	9 28	1 0	17 41	0 41	21 38	1 24	6 35	0 44	4 21	1 43	26 14	9 40	21 54	21 47	13 34	10 59	0 16
S 13	12 38	14 18	5 0	18 23	0 58	5 21	1 12	9 13	0 59	17 43	0 41	21 38	1 24	6 34	0 44	4 22	1 43	26 15	9 40	21 52	21 46	13 37	10 58	0 16
S 14	12 18	8 45	4 56	18 3	1 7	4 50	1 10	8 58	0 59	17 45	0 41	21 39	1 24	6 32	0 44	4 22	1 43	26 15	9 40	21 51	21 46	13 40	10 58	0 16
M15	11 58	2 41	4 33	17 40	1 15	4 20	1 8	8 43	0 59	17 46	0 40	21 39	1 24	6 31	0 44	4 23	1 43	26 15	9 40	21 49	21 45	13 42	10 57	0 16
T 16	11 38	3s34	3 52	17 15	1 23	3 49	1 7	8 28	0 58	17 48	0 40	21 39	1 24	6 29	0 44	4 24	1 43	26 16	9 40	21 48	21 45	13 45	10 57	0 16
W17	11 17	9 37	2 57	16 48	1 29	3 18	1 5	8 13	0 58	17 50	0 40	21 39	1 24	6 28	0 44	4 24	1 43	26 16	9 40	21 47	21 44	13 48	10 57	0 15
T 18	10 56	15 8	1 51	16 17	1 34	2 47	1 3	7 58	0 58	17 52	0 40	21 40	1 24	6 26	0 44	4 25	1 43	26 16	9 40	21 47	21 44	13 51	10 56	0 15
F 19	10 35	19 47	0 39	15 45	1 39	2 16	1 1	7 43	0 57	17 54	0 39	21 40	1 24	6 25	0 44	4 26	1 42	26 17	9 40	21 47	21 43	13 53	10 55	0 15
S 20	10 14	23 15	0s35	15 11	1 42	1 45	0 59	7 28	0 57	17 55	0 39	21 40	1 24	6 24	0 44	4 27	1 42	26 17	9 40	21 47	21 43	13 56	10 55	0 15
S 21	9 53	25 17	1 46	14 34	1 45	1 14	0 57	7 13	0 57	17 57	0 39	21 40	1 24	6 22	0 44	4 27	1 42	26 17	9 40	21 47	21 42	13 59	10 54	0 15
M22	9 32	25 46	2 50	13 56	1 47	0 42	0 55	6 57	0 56	17 59	0 39	21 41	1 24	6 21	0 44	4 28	1 42	26 18	9 40	21 46	21 42	14 2	10 54	0 15
T 23	9 10	24 41	3 43	13 17	1 48	0 11	0 53	6 42	0 56	18 1	0 39	21 41	1 24	6 19	0 44	4 29	1 42	26 18	9 40	21 45	21 41	14 4	10 53	0 15
W24	8 48	22 13	4 24	12 36	1 48	0s20	0 51	6 27	0 56	18 3	0 38	21 41	1 24	6 18	0 44	4 29	1 42	26 18	9 40	21 44	21 41	14 7	10 52	0 15
T 25	8 27	18 37	4 50	11 54	1 48	0 51	0 49	6 11	0 55	18 5	0 38	21 41	1 24	6 16	0 44	4 30	1 42	26 19	9 40	21 42	21 40	14 10	10 52	0 15
F 26	8 5	14 11	5 0	11 11	1 47	1 23	0 46	5 56	0 55	18 7	0 38	21 41	1 24	6 15	0 44	4 31	1 42	26 19	9 40	21 40	21 40	14 13	10 51	0 15
S 27	7 43	9 12	4 55	10 27	1 45	1 54	0 44	5 40	0 55	18 10	0 38	21 42	1 25	6 13	0 44	4 32	1 42	26 19	9 40	21 38	21 39	14 15	10 50	0 15
S 28	7 20	3 55	4 36	9 42	1 43	2 25	0 42	5 25	0 54	18 12	0 38	21 42	1 25	6 12	0 44	4 33	1 42	26 19	9 40	21 36	21 38	14 18	10 50	0 15
M29	6 58	1n24	4 4	8 57	1 40	2 57	0 39	5 9	0 54	18 14	0 37	21 42	1 25	6 10	0 44	4 33	1 42	26 20	9 40	21 34	21 38	14 21	10 49	0 15
T 30	6 35	6 37	3 21	8 11	1 37	3 28	0 37	4 53	0 53	18 16	0 37	21 42	1 25	6 9	0 44	4 34	1 42	26 20	9 40	21 33	21 37	14 23	10 48	0 15
W31	6n13	11n31	2s31	7n25	1n33	3s59	0n34	4n38	0n53	18s18	0n37	21n42	1s25	6n 7	0n44	4s35	1n42	26s20	9s40	21n32	21n37	14n26	10n48	0n14

Julian Day Number = 2194268.5, Delta T = 10m31s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°54'58, Lahiri = 14°01'58 Julian Calendar 1 Aug. 1295 == Greg. Calendar 8 Aug. 1295

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ASTRODIENST EPHEMERIS for the year 1295
geocentric

SEPTEMBER 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 8 31	15♍14'41	18♉47	16♍42	12♎35	21♍ 3	24♏22	19♊33	16♍18	15♎36	12°R34	6°R44	7♊16	14♉52	27°R19	T 1
F 2	23 12 28	16°13'19	0♊35	18°31	13°48	21°42	24°31	19°35	16°21	15°38	12♒33	6♊43	7°12	14°59	27♈17	F 2
S 3	23 16 25	17°12'00	12°26	20°19	15° 2	22°21	24°39	19°38	16°25	15°40	12°32	6°43	7° 9	15° 5	27°15	S 3
S 4	23 20 21	18°10'42	24°26	22° 5	16°15	23° 0	24°48	19°40	16°29	15°42	12°31	6°42	7° 6	15°12	27°13	S 4
M 5	23 24 18	19° 9'27	6♋41	23°51	17°28	23°39	24°57	19°42	16°33	15°44	12°30	6°41	7° 3	15°19	27°11	M 5
T 6	23 28 14	20° 8'14	19°16	25°36	18°42	24°19	25° 6	19°44	16°37	15°46	12°29	6°38	7° 0	15°25	27° 8	T 6
W 7	23 32 11	21° 7'03	2♌15	27°20	19°55	24°58	25°15	19°47	16°40	15°48	12°28	6°32	6°57	15°32	27° 6	W 7
T 8	23 36 7	22° 5'55	15°40	29° 3	21° 8	25°37	25°24	19°48	16°44	15°50	12°27	6°24	6°53	15°39	27° 4	T 8
F 9	23 40 4	23° 4'49	29°31	0♎45	22°21	26°16	25°33	19°50	16°48	15°52	12°26	6°14	6°50	15°45	27° 2	F 9
S 10	23 44 0	24° 3'45	13♍47	2°26	23°35	26°55	25°42	19°52	16°52	15°54	12°25	6° 3	6°47	15°52	26°59	S 10
S 11	23 47 57	25° 2'43	28°21	4° 7	24°48	27°35	25°52	19°54	16°55	15°57	12°24	5°52	6°44	15°59	26°57	S 11
M12	23 51 54	26° 1'43	13♎ 7	5°46	26° 1	28°14	26° 1	19°55	16°59	15°59	12°23	5°43	6°41	16° 5	26°55	M12
T 13	23 55 50	27° 0'45	27°57	7°24	27°14	28°53	26°11	19°57	17° 3	16° 1	12°23	5°36	6°37	16°12	26°52	T 13
W14	23 59 47	27°59'49	12♏42	9° 2	28°28	29°33	26°21	19°58	17° 7	16° 3	12°22	5°31	6°34	16°19	26°50	W14
T 15	0 3 43	28°58'54	27°16	10°39	29°41	0♎12	26°31	19°59	17°10	16° 5	12°21	5°29	6°31	16°25	26°47	T 15
F 16	0 7 40	29°58'02	11♐35	12°15	0♏54	0°52	26°41	20° 0	17°14	16° 7	12°20	5°D29	6°28	16°32	26°45	F 16
S 17	0 11 36	0♎57'12	25°38	13°50	2° 7	1°31	26°51	20° 1	17°18	16° 9	12°19	5°R30	6°25	16°39	26°42	S 17
S 18	0 15 33	1°56'23	9♑24	15°24	3°20	2°11	27° 1	20° 2	17°21	16°12	12°18	5°30	6°22	16°45	26°40	S 18
M19	0 19 29	2°55'36	22°54	16°58	4°33	2°50	27°11	20° 3	17°25	16°14	12°18	5°28	6°18	16°52	26°37	M19
T 20	0 23 26	3°54'51	6♒ 9	18°30	5°46	3°30	27°22	20° 3	17°29	16°16	12°17	5°24	6°15	16°59	26°34	T 20
W21	0 27 23	4°54'08	19°11	20° 2	6°59	4° 9	27°32	20° 4	17°32	16°18	12°16	5°17	6°12	17° 5	26°32	W21
T 22	0 31 19	5°53'26	2♓ 1	21°33	8°12	4°49	27°43	20° 4	17°36	16°20	12°16	5° 8	6° 9	17°12	26°29	T 22
F 23	0 35 16	6°52'46	14°39	23° 4	9°25	5°29	27°54	20° 5	17°40	16°23	12°15	4°58	6° 6	17°19	26°26	F 23
S 24	0 39 12	7°52'09	27° 6	24°33	10°38	6° 8	28° 4	20° 5	17°43	16°25	12°14	4°47	6° 3	17°25	26°24	S 24
S 25	0 43 9	8°51'33	9♈22	26° 2	11°51	6°48	28°15	20°R 5	17°47	16°27	12°14	4°36	5°59	17°32	26°21	S 25
M26	0 47 5	9°50'59	21°28	27°31	13° 4	7°28	28°26	20° 5	17°51	16°29	12°13	4°27	5°56	17°39	26°18	M26
T 27	0 51 2	10°50'28	3♉26	28°58	14°17	8° 8	28°37	20° 5	17°54	16°32	12°12	4°21	5°53	17°45	26°15	T 27
W28	0 54 58	11°49'59	15°17	0♏24	15°30	8°47	28°48	20° 4	17°58	16°34	12°12	4°16	5°50	17°52	26°12	W28
T 29	0 58 55	12°49'32	27° 4	1°50	16°43	9°27	29° 0	20° 4	18° 1	16°36	12°11	4°14	5°47	17°58	26°10	T 29
F 30	1 2 52	13♎49'07	8♊50	3♏15	17♏56	10♎ 7	29♏11	20♊ 4	18♍ 5	16♎38	12♒11	4°D14	5♊43	18♉ 5	26♈ 7	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n50	15n59	1s34	6n39	1n29	4s30	0n32	4n22	0n53	18s20	0n37	21n42	1s25	6n 6	0n44	4s36	1n42	26s21	9s40	21n31	21n36	14n29	10n47	0n14
F 2	5 27	19 49	0 32	5 52	1 25	5 1	0 29	4 6	0 52	18 23	0 37	21 43	1 25	6 4	0 44	4 36	1 42	26 21	9 40	21 31	21 36	14 32	10 46	0 14
S 3	5 4	22 53	0n30	5 5	1 20	5 32	0 27	3 50	0 52	18 25	0 36	21 43	1 25	6 3	0 44	4 37	1 42	26 21	9 39	21 31	21 35	14 34	10 45	0 14
S 4	4 42	24 57	1 33	4 18	1 15	6 3	0 24	3 35	0 52	18 27	0 36	21 43	1 25	6 1	0 44	4 38	1 42	26 21	9 39	21 31	21 35	14 37	10 44	0 14
M 5	4 18	25 54	2 32	3 31	1 10	6 33	0 21	3 19	0 51	18 30	0 36	21 43	1 25	6 0	0 44	4 39	1 42	26 21	9 39	21 31	21 34	14 40	10 44	0 14
T 6	3 55	25 32	3 26	2 44	1 4	7 4	0 19	3 3	0 51	18 32	0 36	21 43	1 25	5 59	0 44	4 40	1 42	26 22	9 39	21 30	21 34	14 43	10 43	0 14
W 7	3 32	23 48	4 10	1 58	0 59	7 34	0 16	2 47	0 50	18 34	0 36	21 43	1 25	5 57	0 44	4 40	1 42	26 22	9 39	21 29	21 33	14 45	10 42	0 14
T 8	3 9	20 42	4 43	1 11	0 53	8 5	0 13	2 31	0 50	18 37	0 36	21 43	1 25	5 56	0 44	4 41	1 42	26 22	9 39	21 28	21 33	14 48	10 41	0 14
F 9	2 45	16 21	5 0	0 25	0 46	8 35	0 10	2 15	0 50	18 39	0 35	21 43	1 25	5 54	0 44	4 42	1 42	26 22	9 39	21 26	21 32	14 51	10 40	0 14
S 10	2 22	11 0	4 59	0s22	0 40	9 5	0 7	1 59	0 49	18 41	0 35	21 43	1 26	5 53	0 44	4 43	1 42	26 22	9 39	21 24	21 32	14 53	10 39	0 14
S 11	1 59	4 55	4 39	1 8	0 34	9 34	0 4	1 43	0 49	18 44	0 35	21 43	1 26	5 51	0 44	4 44	1 42	26 22	9 39	21 22	21 31	14 56	10 38	0 14
M12	1 35	1s30	4 1	1 53	0 27	10 4	0 1	1 27	0 48	18 46	0 35	21 43	1 26	5 50	0 44	4 45	1 42	26 23	9 39	21 20	21 31	14 59	10 37	0 14
T 13	1 12	7 54	3 6	2 38	0 20	10 33	0s 1	1 11	0 48	18 49	0 35	21 43	1 26	5 48	0 44	4 45	1 42	26 23	9 38	21 19	21 30	15 1	10 36	0 14
W14	0 48	13 50	1 58	3 23	0 13	11 2	0 4	0 55	0 48	18 51	0 35	21 43	1 26	5 47	0 44	4 46	1 42	26 23	9 38	21 18	21 29	15 4	10 35	0 13
T 15	0 24	18 55	0 44	4 8	0 7	11 31	0 7	0 38	0 47	18 54	0 34	21 43	1 26	5 45	0 44	4 47	1 42	26 23	9 38	21 18	21 29	15 7	10 34	0 13
F 16	0 1	22 48	0s32	4 52	0s 0	12 0	0 10	0 22	0 47	18 56	0 34	21 43	1 26	5 44	0 44	4 48	1 42	26 23	9 38	21 18	21 28	15 10	10 33	0 13
S 17	0s23	25 13	1 45	5 35	0 7	12 28	0 13	0 6	0 46	18 59	0 34	21 43	1 26	5 42	0 44	4 49	1 42	26 23	9 38	21 18	21 28	15 12	10 32	0 13
S 18	0 46	26 2	2 51	6 19	0 14	12 56	0 16	0s10	0 46	19 1	0 34	21 43	1 26	5 41	0 44	4 50	1 42	26 23	9 38	21 18	21 27	15 15	10 31	0 13
M19	1 10	25 16	3 45	7 1	0 22	13 24	0 20	0 26	0 46	19 4	0 34	21 43	1 26	5 40	0 44	4 50	1 42	26 23	9 38	21 18	21 27	15 18	10 30	0 13
T 20	1 34	23 6	4 26	7 43	0 29	13 51	0 23	0 42	0 45	19 6	0 34	21 43	1 26	5 38	0 44	4 51	1 42	26 24	9 37	21 17	21 26	15 20	10 29	0 13
W21	1 57	19 45	4 53	8 25	0 36	14 18	0 26	0 58	0 45	19 9	0 33	21 43	1 26	5 37	0 44	4 52	1 42	26 24	9 37	21 16	21 26	15 23	10 28	0 13
T 22	2 21	15 31	5 4	9 6	0 43	14 45	0 29	1 15	0 44	19 11	0 33	21 43	1 26	5 35	0 44	4 53	1 42	26 24	9 37	21 14	21 25	15 26	10 27	0 13
F 23	2 44	10 40	5 0	9 46	0 50	15 11	0 32	1 31	0 44	19 14	0 33	21 43	1 27	5 34	0 44	4 54	1 42	26 24	9 37	21 12	21 24	15 28	10 26	0 13
S 24	3 8	5 28	4 42	10 26	0 57	15 37	0 35	1 47	0 43	19 16	0 33	21 43	1 27	5 32	0 44	4 55	1 42	26 24	9 37	21 10	21 24	15 31	10 25	0 13
S 25	3 32	0 7	4 11	11 5	1 4	16 3	0 38	2 3	0 43	19 19	0 33	21 43	1 27	5 31	0 44	4 56	1 42	26 24	9 37	21 9	21 23	15 34	10 24	0 13
M26	3 55	5n10	3 29	11 44	1 11	16 28	0 41	2 19	0 43	19 22	0 33	21 43	1 27	5 30	0 44	4 56	1 42	26 24	9 37	21 7	21 23	15 36	10 23	0 13
T 27	4 18	10 14	2 38	12 21	1 18	16 53	0 44	2 35	0 42	19 24	0 32	21 43	1 27	5 28	0 44	4 57	1 42	26 24	9 36	21 6	21 22	15 39	10 22	0 12
W28	4 42	14 53	1 40	12 58	1 24	17 18	0 47	2 52	0 42	19 27	0 32	21 43	1 27	5 27	0 44	4 58	1 42	26 24	9 36	21 5	21 22	15 42	10 21	0 12
T 29	5 5	18 57	0 39	13 35	1 31	17 42	0 50	3 8	0 41	19 29	0 32	21 43	1 27	5 26	0 44	4 59	1 42	26 24	9 36	21 4	21 21	15 44	10 20	0 12
F 30	5s28	22n16	0n25	14s10	1s37	18s 6	0s53	3s24	0n41	19s32	0n32	21n43	1s27	5n24	0n44	5s 0	1n42	26s24	9s36	21n 4	21n21	15n47	10n19	0n12

Julian Day Number = 2194299.5, Delta T = 10m31s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'02, Lahiri = 14°02'03 Julian Calendar 1 Sept. 1295 == Greg. Calendar 8 Sept. 1295

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ASTRODIENST EPHEMERIS for the year 1295
geocentric

OCTOBER 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	1 6 48	14♎48'45	20♊41	4♏39	19♏ 8	10♎47	29♏22	20°R 3	18♍ 8	16♎40	12°R10	4♊15	5♊40	18♉12	26°R 4	S 1
S 2	1 10 45	15°48'24	2♋39	6° 3	20°21	11°27	29°34	20♊ 2	18°12	16°43	12♒10	4°16	5°37	18°18	26♈ 1	S 2
M 3	1 14 41	16°48'07	14°52	7°25	21°34	12° 7	29°45	20° 2	18°15	16°45	12°10	4°R17	5°34	18°25	25°58	M 3
T 4	1 18 38	17°47'51	27°24	8°46	22°47	12°47	29°57	20° 1	18°19	16°47	12° 9	4°16	5°31	18°32	25°55	T 4
W 5	1 22 34	18°47'38	10♌19	10° 7	23°59	13°27	0♐ 9	20° 0	18°22	16°49	12° 9	4°14	5°28	18°38	25°52	W 5
T 6	1 26 31	19°47'27	23°41	11°26	25°12	14° 7	0°20	19°58	18°25	16°52	12° 8	4°10	5°24	18°45	25°49	T 6
F 7	1 30 27	20°47'18	7♍32	12°44	26°25	14°48	0°32	19°57	18°29	16°54	12° 8	4° 4	5°21	18°52	25°47	F 7
S 8	1 34 24	21°47'11	21°51	14° 1	27°37	15°28	0°44	19°56	18°32	16°56	12° 8	3°58	5°18	18°58	25°44	S 8
S 9	1 38 21	22°47'07	6♎34	15°16	28°50	16° 8	0°56	19°54	18°35	16°58	12° 8	3°51	5°15	19° 5	25°41	S 9
M10	1 42 17	23°47'05	21°34	16°30	0♐ 2	16°48	1° 8	19°53	18°39	17° 1	12° 7	3°45	5°12	19°12	25°38	M10
T 11	1 46 14	24°47'04	6♏41	17°42	1°15	17°29	1°20	19°51	18°42	17° 3	12° 7	3°41	5° 8	19°18	25°35	T 11
W12	1 50 10	25°47'06	21°47	18°53	2°27	18° 9	1°32	19°49	18°45	17° 5	12° 7	3°39	5° 5	19°25	25°32	W12
T 13	1 54 7	26°47'09	6♐43	20° 1	3°40	18°49	1°45	19°47	18°48	17° 7	12° 7	3°D38	5° 2	19°32	25°29	T 13
F 14	1 58 3	27°47'14	21°21	21° 7	4°52	19°30	1°57	19°45	18°51	17°10	12° 7	3°39	4°59	19°38	25°26	F 14
S 15	2 2 0	28°47'21	5♑38	22°11	6° 5	20°10	2° 9	19°43	18°55	17°12	12° 6	3°40	4°56	19°45	25°23	S 15
S 16	2 5 56	29°47'29	19°31	23°12	7°17	20°51	2°22	19°41	18°58	17°14	12° 6	3°42	4°53	19°52	25°20	S 16
M17	2 9 53	0♏47'39	3♒ 2	24°10	8°29	21°31	2°34	19°39	19° 1	17°16	12° 6	3°R42	4°49	19°58	25°17	M17
T 18	2 13 50	1°47'51	16°12	25° 5	9°42	22°12	2°47	19°36	19° 4	17°18	12° 6	3°41	4°46	20° 5	25°14	T 18
W19	2 17 46	2°48'04	29° 4	25°55	10°54	22°53	2°59	19°34	19° 7	17°21	12°D 6	3°39	4°43	20°12	25°11	W19
T 20	2 21 43	3°48'18	11♓40	26°42	12° 6	23°33	3°12	19°31	19°10	17°23	12° 6	3°35	4°40	20°18	25° 8	T 20
F 21	2 25 39	4°48'34	24° 3	27°24	13°18	24°14	3°25	19°28	19°13	17°25	12° 6	3°30	4°37	20°25	25° 6	F 21
S 22	2 29 36	5°48'51	6♈15	28° 0	14°30	24°55	3°37	19°26	19°16	17°27	12° 6	3°25	4°34	20°31	25° 3	S 22
S 23	2 33 32	6°49'11	18°18	28°30	15°42	25°35	3°50	19°23	19°18	17°29	12° 6	3°20	4°30	20°38	25° 0	S 23
M24	2 37 29	7°49'32	0♉15	28°54	16°54	26°16	4° 3	19°20	19°21	17°31	12° 7	3°16	4°27	20°45	24°57	M24
T 25	2 41 25	8°49'54	12° 6	29°11	18° 6	26°57	4°16	19°17	19°24	17°33	12° 7	3°13	4°24	20°51	24°54	T 25
W26	2 45 22	9°50'18	23°54	29°R19	19°18	27°38	4°29	19°13	19°27	17°36	12° 7	3°12	4°21	20°58	24°51	W26
T 27	2 49 18	10°50'44	5♊42	29°19	20°30	28°19	4°42	19°10	19°29	17°38	12° 7	3°D11	4°18	21° 5	24°48	T 27
F 28	2 53 15	11°51'12	17°30	29° 9	21°42	29° 0	4°55	19° 7	19°32	17°40	12° 7	3°12	4°14	21°11	24°46	F 28
S 29	2 57 12	12°51'42	29°24	28°50	22°53	29°41	5° 8	19° 3	19°35	17°42	12° 8	3°14	4°11	21°18	24°43	S 29
S 30	3 1 8	13°52'13	11♋25	28°20	24° 5	0♏22	5°21	19° 0	19°37	17°44	12° 8	3°15	4° 8	21°25	24°40	S 30
M31	3 5 5	14♏52'47	23♋38	27♏39	25♐17	1♏ 3	5♐34	18♊56	19♍40	17♎46	12♒ 8	3♊17	4♊ 5	21♉31	24♈37	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5s52	24n40	1n28	14s45	1s44	18s29	0s56	3s40	0n40	19s35	0n32	21n43	1s27	5n23	0n44	5s 1	1n42	26s24	9s36	21n 5	21n20	15n50	10n18	0n12
S 2	6 15	25 58	2 28	15 19	1 50	18 51	0 59	3 56	0 40	19 37	0 32	21 42	1 27	5 22	0 44	5 2	1 42	26 24	9 36	21 5	21 19	15 52	10 16	0 12
M 3	6 38	26 3	3 22	15 52	1 56	19 14	1 2	4 12	0 39	19 40	0 32	21 42	1 27	5 20	0 44	5 2	1 42	26 24	9 35	21 5	21 19	15 55	10 15	0 12
T 4	7 1	24 49	4 8	16 24	2 2	19 35	1 5	4 28	0 39	19 42	0 31	21 42	1 27	5 19	0 44	5 3	1 42	26 24	9 35	21 5	21 18	15 58	10 14	0 12
W 5	7 23	22 16	4 43	16 55	2 7	19 57	1 8	4 44	0 39	19 45	0 31	21 42	1 27	5 18	0 44	5 4	1 42	26 24	9 35	21 4	21 18	16 0	10 13	0 12
T 6	7 46	18 28	5 4	17 25	2 13	20 17	1 11	5 0	0 38	19 48	0 31	21 42	1 27	5 16	0 44	5 5	1 42	26 24	9 35	21 4	21 17	16 3	10 12	0 12
F 7	8 9	13 33	5 9	17 55	2 18	20 38	1 14	5 16	0 38	19 50	0 31	21 42	1 27	5 15	0 44	5 6	1 42	26 23	9 35	21 3	21 17	16 5	10 11	0 12
S 8	8 31	7 45	4 55	18 23	2 23	20 57	1 17	5 32	0 37	19 53	0 31	21 42	1 28	5 14	0 44	5 7	1 42	26 23	9 34	21 1	21 16	16 8	10 10	0 12
S 9	8 54	1 23	4 21	18 50	2 28	21 17	1 20	5 48	0 37	19 56	0 31	21 41	1 28	5 12	0 44	5 8	1 42	26 23	9 34	21 0	21 16	16 11	10 8	0 11
M10	9 16	5s13	3 29	19 16	2 32	21 35	1 23	6 4	0 36	19 58	0 31	21 41	1 28	5 11	0 44	5 8	1 42	26 23	9 34	20 59	21 15	16 13	10 7	0 11
T 11	9 38	11 34	2 21	19 40	2 36	21 53	1 26	6 20	0 36	20 1	0 30	21 41	1 28	5 10	0 44	5 9	1 42	26 23	9 34	20 58	21 14	16 16	10 6	0 11
W12	10 0	17 15	1 4	20 3	2 40	22 11	1 28	6 36	0 35	20 3	0 30	21 41	1 28	5 9	0 44	5 10	1 42	26 23	9 34	20 58	21 14	16 19	10 5	0 11
T 13	10 22	21 47	0s17	20 25	2 43	22 27	1 31	6 52	0 35	20 6	0 30	21 41	1 28	5 7	0 44	5 11	1 42	26 23	9 34	20 58	21 13	16 21	10 4	0 11
F 14	10 44	24 50	1 35	20 46	2 45	22 44	1 34	7 8	0 34	20 9	0 30	21 41	1 28	5 6	0 44	5 12	1 42	26 23	9 33	20 58	21 13	16 24	10 3	0 11
S 15	11 5	26 10	2 46	21 5	2 48	22 59	1 36	7 23	0 34	20 11	0 30	21 40	1 28	5 5	0 44	5 13	1 42	26 23	9 33	20 58	21 12	16 26	10 2	0 11
S 16	11 27	25 49	3 45	21 22	2 49	23 14	1 39	7 39	0 33	20 14	0 30	21 40	1 28	5 4	0 44	5 13	1 42	26 22	9 33	20 58	21 11	16 29	10 0	0 11
M17	11 48	23 55	4 29	21 38	2 50	23 29	1 42	7 55	0 33	20 16	0 30	21 40	1 28	5 3	0 44	5 14	1 42	26 22	9 33	20 58	21 11	16 32	9 59	0 11
T 18	12 9	20 47	4 59	21 52	2 51	23 42	1 44	8 11	0 32	20 19	0 29	21 40	1 28	5 1	0 44	5 15	1 42	26 22	9 33	20 58	21 10	16 34	9 58	0 11
W19	12 29	16 42	5 12	22 4	2 50	23 55	1 47	8 26	0 32	20 21	0 29	21 39	1 28	5 0	0 44	5 16	1 42	26 22	9 32	20 58	21 10	16 37	9 57	0 11
T 20	12 50	11 59	5 10	22 14	2 49	24 8	1 49	8 42	0 31	20 24	0 29	21 39	1 28	4 59	0 44	5 17	1 42	26 22	9 32	20 57	21 9	16 39	9 56	0 11
F 21	13 10	6 51	4 53	22 22	2 47	24 19	1 51	8 57	0 31	20 27	0 29	21 39	1 28	4 58	0 44	5 18	1 42	26 22	9 32	20 56	21 9	16 42	9 55	0 10
S 22	13 31	1 32	4 23	22 27	2 44	24 31	1 54	9 13	0 30	20 29	0 29	21 39	1 28	4 57	0 44	5 18	1 42	26 21	9 32	20 55	21 8	16 45	9 53	0 10
S 23	13 51	3n47	3 42	22 30	2 40	24 41	1 56	9 28	0 30	20 32	0 29	21 38	1 28	4 56	0 44	5 19	1 42	26 21	9 32	20 54	21 7	16 47	9 52	0 10
M24	14 10	8 55	2 52	22 31	2 35	24 50	1 58	9 43	0 29	20 34	0 29	21 38	1 28	4 55	0 44	5 20	1 42	26 21	9 31	20 53	21 7	16 50	9 51	0 10
T 25	14 30	13 43	1 54	22 28	2 29	24 59	2 0	9 59	0 29	20 37	0 29	21 38	1 28	4 54	0 44	5 21	1 42	26 21	9 31	20 53	21 6	16 52	9 50	0 10
W26	14 49	18 0	0 51	22 22	2 21	25 8	2 2	10 14	0 28	20 39	0 28	21 38	1 28	4 52	0 44	5 22	1 42	26 20	9 31	20 53	21 6	16 55	9 49	0 10
T 27	15 8	21 34	0n14	22 13	2 11	25 15	2 4	10 29	0 28	20 42	0 28	21 37	1 28	4 51	0 45	5 22	1 42	26 20	9 31	20 53	21 5	16 58	9 48	0 10
F 28	15 27	24 14	1 18	22 0	2 1	25 22	2 6	10 44	0 27	20 44	0 28	21 37	1 28	4 50	0 45	5 23	1 42	26 20	9 31	20 53	21 4	17 0	9 47	0 10
S 29	15 46	25 52	2 20	21 44	1 48	25 28	2 8	10 59	0 27	20 47	0 28	21 37	1 28	4 49	0 45	5 24	1 42	26 20	9 30	20 53	21 4	17 3	9 46	0 10
S 30	16 4	26 18	3 16	21 24	1 34	25 33	2 10	11 14	0 26	20 49	0 28	21 36	1 28	4 48	0 45	5 25	1 42	26 19	9 30	20 53	21 3	17 5	9 45	0 10
M31	16s22	25n28	4n 4	20s59	1s19	25s38	2s11	11s29	0n26	20s51	0n28	21n36	1s28	4n47	0n45	5s25	1n42	26s19	9s30	20n54	21n 3	17n 8	9n43	0n10

Julian Day Number = 2194329.5, Delta T = 10m31s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'06, Lahiri = 14°02'07 Julian Calendar 1 Oct. 1295 == Greg. Calendar 8 Oct. 1295

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ASTRODIENST EPHEMERIS for the year 1295
geocentric

NOVEMBER 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 9 1	15♏53'22	6♌ 8	26°R49	26♐28	1♏44	5♐47	18°R53	19♍42	17♎48	12♒ 9	3♊18	4♊ 2	21♉38	24°R35	T 1
W 2	3 12 58	16°53'59	18°58	25♏49	27°40	2°25	6° 1	18♊49	19°45	17°50	12° 9	3°R18	3°59	21°45	24♈32	W 2
T 3	3 16 54	17°54'37	2♍12	24°41	28°51	3° 6	6°14	18°45	19°47	17°52	12° 9	3°17	3°55	21°51	24°29	T 3
F 4	3 20 51	18°55'17	15°53	23°25	0♑ 3	3°47	6°27	18°41	19°50	17°54	12°10	3°16	3°52	21°58	24°27	F 4
S 5	3 24 48	19°55'59	0♎ 1	22° 6	1°14	4°29	6°40	18°37	19°52	17°56	12°10	3°15	3°49	22° 5	24°24	S 5
S 6	3 28 44	20°56'43	14°36	20°44	2°25	5°10	6°54	18°33	19°54	17°58	12°11	3°13	3°46	22°11	24°22	S 6
M 7	3 32 41	21°57'28	29°31	19°23	3°36	5°51	7° 7	18°29	19°57	18° 0	12°11	3°12	3°43	22°18	24°19	M 7
T 8	3 36 37	22°58'15	14♏41	18° 5	4°48	6°33	7°20	18°25	19°59	18° 2	12°12	3°11	3°40	22°24	24°17	T 8
W 9	3 40 34	23°59'03	29°56	16°53	5°59	7°14	7°34	18°20	20° 1	18° 4	12°12	3°D10	3°36	22°31	24°14	W 9
T 10	3 44 30	24°59'53	15♐ 5	15°49	7°10	7°56	7°47	18°16	20° 3	18° 6	12°13	3°10	3°33	22°38	24°12	T 10
F 11	3 48 27	26° 0'44	29°59	14°55	8°20	8°37	8° 1	18°12	20° 5	18° 8	12°13	3°11	3°30	22°44	24° 9	F 11
S 12	3 52 23	27° 1'36	14♑33	14°11	9°31	9°19	8°14	18° 7	20° 7	18° 9	12°14	3°12	3°27	22°51	24° 7	S 12
S 13	3 56 20	28° 2'28	28°41	13°39	10°42	10° 0	8°28	18° 3	20° 9	18°11	12°15	3°12	3°24	22°58	24° 5	S 13
M14	4 0 17	29° 3'22	12♒22	13°19	11°53	10°42	8°41	17°58	20°11	18°13	12°15	3°12	3°20	23° 4	24° 2	M14
T 15	4 4 13	0♐ 4'16	25°37	13°D 9	13° 3	11°23	8°55	17°54	20°13	18°15	12°16	3°R13	3°17	23°11	24° 0	T 15
W16	4 8 10	1° 5'12	8♓29	13°11	14°14	12° 5	9° 9	17°49	20°15	18°17	12°17	3°13	3°14	23°18	23°58	W16
T 17	4 12 6	2° 6'08	21° 0	13°23	15°24	12°47	9°22	17°44	20°17	18°18	12°18	3°13	3°11	23°24	23°56	T 17
F 18	4 16 3	3° 7'04	3♈16	13°44	16°34	13°29	9°36	17°40	20°18	18°20	12°18	3°D12	3° 8	23°31	23°54	F 18
S 19	4 19 59	4° 8'02	15°19	14°13	17°44	14°10	9°49	17°35	20°20	18°22	12°19	3°13	3° 5	23°38	23°51	S 19
S 20	4 23 56	5° 9'00	27°14	14°50	18°54	14°52	10° 3	17°30	20°22	18°23	12°20	3°13	3° 1	23°44	23°49	S 20
M21	4 27 52	6° 9'59	9♉ 4	15°34	20° 4	15°34	10°17	17°25	20°23	18°25	12°21	3°13	2°58	23°51	23°47	M21
T 22	4 31 49	7°10'59	20°51	16°23	21°14	16°16	10°30	17°20	20°25	18°27	12°22	3°13	2°55	23°58	23°45	T 22
W23	4 35 46	8°12'00	2♊39	17°18	22°23	16°58	10°44	17°16	20°26	18°28	12°23	3°R13	2°52	24° 4	23°44	W23
T 24	4 39 42	9°13'01	14°30	18°18	23°33	17°40	10°58	17°11	20°28	18°30	12°24	3°13	2°49	24°11	23°42	T 24
F 25	4 43 39	10°14'04	26°26	19°21	24°42	18°22	11°11	17° 6	20°29	18°32	12°25	3°13	2°46	24°17	23°40	F 25
S 26	4 47 35	11°15'07	8♋28	20°28	25°51	19° 4	11°25	17° 1	20°30	18°33	12°26	3°12	2°42	24°24	23°38	S 26
S 27	4 51 32	12°16'11	20°39	21°38	27° 1	19°46	11°39	16°56	20°31	18°35	12°27	3°11	2°39	24°31	23°36	S 27
M28	4 55 28	13°17'16	3♌ 1	22°51	28° 9	20°28	11°52	16°51	20°33	18°36	12°28	3° 9	2°36	24°37	23°35	M28
T 29	4 59 25	14°18'22	15°36	24° 5	29°18	21°10	12° 6	16°46	20°34	18°38	12°29	3° 8	2°33	24°44	23°33	T 29
W30	5 3 21	15♐19'29	28♌27	25♏22	0♒27	21♏53	12♐20	16♊41	20♍35	18♎39	12♒30	3♊ 7	2♊30	24♉51	23♈32	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s40	23n22	4n42	20s31	1s 1	25s42	2s13	11s44	0n25	20s54	0n28	21n36	1s28	4n46	0n45	5s26	1n42	26s19	9s30	20n54	21n 2	17n10	9n42	0n10
W 2	16 57	20 3	5 7	19 59	0 43	25 45	2 14	11 58	0 25	20 56	0 28	21 36	1 28	4 46	0 45	5 27	1 42	26 19	9 30	20 54	21 2	17 13	9 41	0 9
T 3	17 14	15 39	5 17	19 23	0 23	25 47	2 16	12 13	0 24	20 59	0 28	21 35	1 28	4 45	0 45	5 28	1 42	26 18	9 30	20 54	21 1	17 15	9 40	0 9
F 4	17 31	10 20	5 9	18 45	0 3	25 49	2 17	12 28	0 24	21 1	0 27	21 35	1 28	4 44	0 45	5 28	1 42	26 18	9 29	20 53	21 0	17 18	9 39	0 9
S 5	17 47	4 19	4 43	18 5	0n18	25 50	2 18	12 42	0 23	21 3	0 27	21 35	1 28	4 43	0 45	5 29	1 42	26 18	9 29	20 53	21 0	17 21	9 38	0 9
S 6	18 4	2s 7	3 58	17 24	0 38	25 50	2 20	12 56	0 23	21 6	0 27	21 34	1 28	4 42	0 45	5 30	1 42	26 17	9 29	20 53	20 59	17 23	9 37	0 9
M 7	18 20	8 36	2 56	16 43	0 58	25 50	2 21	13 11	0 22	21 8	0 27	21 34	1 28	4 41	0 45	5 31	1 42	26 17	9 29	20 53	20 59	17 26	9 36	0 9
T 8	18 35	14 42	1 41	16 3	1 17	25 48	2 22	13 25	0 21	21 11	0 27	21 33	1 28	4 40	0 45	5 31	1 42	26 17	9 29	20 52	20 58	17 28	9 35	0 9
W 9	18 50	19 55	0 18	15 27	1 34	25 46	2 23	13 39	0 21	21 13	0 27	21 33	1 28	4 39	0 45	5 32	1 43	26 16	9 28	20 52	20 57	17 31	9 34	0 9
T 10	19 5	23 47	1s 6	14 54	1 49	25 43	2 23	13 53	0 20	21 15	0 27	21 33	1 28	4 39	0 45	5 33	1 43	26 16	9 28	20 52	20 57	17 33	9 33	0 9
F 11	19 20	25 56	2 24	14 25	2 2	25 40	2 24	14 7	0 20	21 17	0 27	21 32	1 28	4 38	0 45	5 33	1 43	26 16	9 28	20 52	20 56	17 36	9 32	0 9
S 12	19 34	26 13	3 30	14 2	2 13	25 36	2 25	14 21	0 19	21 20	0 27	21 32	1 28	4 37	0 45	5 34	1 43	26 15	9 28	20 53	20 55	17 38	9 31	0 9
S 13	19 48	24 47	4 22	13 44	2 22	25 31	2 25	14 35	0 19	21 22	0 27	21 32	1 28	4 36	0 45	5 35	1 43	26 15	9 28	20 53	20 55	17 41	9 30	0 8
M14	20 2	21 54	4 57	13 31	2 29	25 25	2 26	14 48	0 18	21 24	0 26	21 31	1 28	4 36	0 45	5 35	1 43	26 14	9 27	20 53	20 54	17 43	9 29	0 8
T 15	20 15	17 58	5 15	13 24	2 34	25 18	2 26	15 2	0 17	21 26	0 26	21 31	1 28	4 35	0 45	5 36	1 43	26 14	9 27	20 53	20 54	17 46	9 28	0 8
W16	20 27	13 18	5 17	13 21	2 37	25 11	2 26	15 15	0 17	21 28	0 26	21 31	1 28	4 34	0 45	5 37	1 43	26 14	9 27	20 53	20 53	17 48	9 28	0 8
T 17	20 40	8 13	5 3	13 23	2 39	25 3	2 26	15 28	0 16	21 31	0 26	21 30	1 28	4 34	0 45	5 37	1 43	26 13	9 27	20 53	20 52	17 51	9 27	0 8
F 18	20 52	2 55	4 35	13 29	2 39	24 55	2 26	15 42	0 16	21 33	0 26	21 30	1 28	4 33	0 45	5 38	1 43	26 13	9 27	20 53	20 52	17 53	9 26	0 8
S 19	21 3	2n25	3 56	13 39	2 38	24 46	2 26	15 55	0 15	21 35	0 26	21 29	1 28	4 32	0 45	5 38	1 43	26 12	9 27	20 53	20 51	17 56	9 25	0 8
S 20	21 14	7 37	3 7	13 52	2 36	24 36	2 26	16 8	0 15	21 37	0 26	21 29	1 28	4 32	0 45	5 39	1 43	26 12	9 26	20 53	20 51	17 58	9 24	0 8
M21	21 25	12 31	2 10	14 8	2 32	24 25	2 25	16 20	0 14	21 39	0 26	21 29	1 28	4 31	0 45	5 40	1 43	26 12	9 26	20 53	20 50	18 1	9 23	0 8
T 22	21 36	16 56	1 8	14 26	2 28	24 14	2 25	16 33	0 13	21 41	0 26	21 28	1 28	4 31	0 45	5 40	1 43	26 11	9 26	20 53	20 49	18 3	9 23	0 8
W23	21 46	20 43	0 3	14 46	2 24	24 2	2 24	16 46	0 13	21 43	0 26	21 28	1 28	4 30	0 45	5 41	1 43	26 11	9 26	20 53	20 49	18 6	9 22	0 8
T 24	21 55	23 40	1n 2	15 8	2 18	23 49	2 23	16 58	0 12	21 45	0 25	21 27	1 28	4 29	0 46	5 41	1 43	26 10	9 26	20 53	20 48	18 8	9 21	0 8
F 25	22 4	25 34	2 5	15 30	2 12	23 36	2 23	17 11	0 12	21 47	0 25	21 27	1 28	4 29	0 46	5 42	1 43	26 10	9 26	20 53	20 48	18 11	9 20	0 7
S 26	22 13	26 19	3 4	15 54	2 6	23 22	2 22	17 23	0 11	21 49	0 25	21 27	1 27	4 29	0 46	5 42	1 43	26 9	9 25	20 53	20 47	18 13	9 19	0 7
S 27	22 21	25 48	3 54	16 19	2 0	23 8	2 21	17 35	0 10	21 51	0 25	21 26	1 27	4 28	0 46	5 43	1 43	26 9	9 25	20 52	20 46	18 16	9 19	0 7
M28	22 29	24 0	4 34	16 44	1 53	22 53	2 19	17 47	0 10	21 53	0 25	21 26	1 27	4 28	0 46	5 43	1 43	26 9	9 25	20 52	20 46	18 18	9 18	0 7
T 29	22 36	21 2	5 2	17 10	1 46	22 37	2 18	17 58	0 9	21 55	0 25	21 25	1 27	4 27	0 46	5 44	1 43	26 8	9 25	20 52	20 45	18 21	9 17	0 7
W30	22s43	16n59	5n16	17s35	1n38	22s21	2s17	18s10	0n 9	21s57	0n25	21n25	1s27	4n27	0n46	5s44	1n43	26s 8	9s25	20n52	20n44	18n23	9n17	0n 7

Julian Day Number = 2194360.5, Delta T = 10m31s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'10, Lahiri = 14°02'11 Julian Calendar 1 Nov. 1295 == Greg. Calendar 8 Nov. 1295

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ASTRODIENST EPHEMERIS for the year 1295
geocentric

DECEMBER 1295 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 7 18	16♐20'36	11♍37	26♏41	1♒35	22♏35	12♐33	16°R36	20♍36	18♎40	12♒31	3°D 6	2♊26	24♉57	23°R30	T 1
F 2	5 11 15	17°21'44	25° 8	28° 1	2°44	23°17	12°47	16♊31	20°37	18°42	12°32	3♊ 6	2°23	25° 4	23♈29	F 2
S 3	5 15 11	18°22'54	9♎ 2	29°23	3°52	24° 0	13° 1	16°26	20°38	18°43	12°33	3° 7	2°20	25°11	23°27	S 3
S 4	5 19 8	19°24'03	23°18	0♐46	5° 0	24°42	13°14	16°21	20°39	18°44	12°34	3° 8	2°17	25°17	23°26	S 4
M 5	5 23 4	20°25'14	7♏55	2°10	6° 8	25°25	13°28	16°16	20°40	18°46	12°35	3° 9	2°14	25°24	23°25	M 5
T 6	5 27 1	21°26'25	22°48	3°34	7°15	26° 7	13°42	16°11	20°40	18°47	12°36	3°10	2°11	25°31	23°23	T 6
W 7	5 30 57	22°27'37	7♐51	5° 0	8°23	26°50	13°55	16° 6	20°41	18°48	12°38	3°R10	2° 7	25°37	23°22	W 7
T 8	5 34 54	23°28'50	22°56	6°26	9°30	27°32	14° 9	16° 1	20°42	18°49	12°39	3°10	2° 4	25°44	23°21	T 8
F 9	5 38 50	24°30'02	7♑53	7°53	10°37	28°15	14°22	15°56	20°42	18°51	12°40	3° 8	2° 1	25°51	23°20	F 9
S 10	5 42 47	25°31'15	22°35	9°21	11°44	28°57	14°36	15°51	20°43	18°52	12°41	3° 5	1°58	25°57	23°19	S 10
S 11	5 46 44	26°32'28	6♒53	10°49	12°50	29°40	14°50	15°47	20°43	18°53	12°43	3° 1	1°55	26° 4	23°18	S 11
M12	5 50 40	27°33'40	20°46	12°18	13°57	0♐23	15° 3	15°42	20°44	18°54	12°44	2°58	1°52	26°10	23°17	M12
T 13	5 54 37	28°34'53	4♓10	13°47	15° 3	1° 5	15°17	15°37	20°44	18°55	12°45	2°55	1°48	26°17	23°16	T 13
W14	5 58 33	29°36'05	17° 8	15°16	16° 9	1°48	15°30	15°32	20°44	18°56	12°47	2°53	1°45	26°24	23°15	W14
T 15	6 2 30	0♑37'17	29°42	16°46	17°15	2°31	15°44	15°27	20°45	18°57	12°48	2°D52	1°42	26°30	23°15	T 15
F 16	6 6 26	1°38'29	11♈57	18°17	18°20	3°14	15°57	15°23	20°45	18°58	12°49	2°53	1°39	26°37	23°14	F 16
S 17	6 10 23	2°39'40	23°58	19°48	19°25	3°57	16°10	15°18	20°45	18°59	12°51	2°54	1°36	26°44	23°13	S 17
S 18	6 14 20	3°40'52	5♉50	21°19	20°30	4°40	16°24	15°14	20°45	19° 0	12°52	2°56	1°32	26°50	23°13	S 18
M19	6 18 16	4°42'02	17°37	22°51	21°34	5°23	16°37	15° 9	20°R45	19° 1	12°54	2°58	1°29	26°57	23°12	M19
T 20	6 22 13	5°43'13	29°24	24°23	22°39	6° 6	16°51	15° 4	20°45	19° 2	12°55	2°R59	1°26	27° 4	23°12	T 20
W21	6 26 9	6°44'23	11♊14	25°55	23°42	6°49	17° 4	15° 0	20°45	19° 2	12°57	2°58	1°23	27°10	23°12	W21
T 22	6 30 6	7°45'33	23°11	27°28	24°46	7°32	17°17	14°56	20°45	19° 3	12°58	2°56	1°20	27°17	23°11	T 22
F 23	6 34 2	8°46'43	5♋16	29° 2	25°49	8°15	17°30	14°51	20°44	19° 4	13° 0	2°53	1°17	27°24	23°11	F 23
S 24	6 37 59	9°47'52	17°32	0♑35	26°52	8°58	17°44	14°47	20°44	19° 5	13° 1	2°47	1°13	27°30	23°11	S 24
S 25	6 41 55	10°49'01	29°59	2°10	27°55	9°41	17°57	14°43	20°44	19° 5	13° 3	2°40	1°10	27°37	23°11	S 25
M26	6 45 52	11°50'09	12♌38	3°44	28°57	10°24	18°10	14°39	20°44	19° 6	13° 4	2°33	1° 7	27°44	23°11	M26
T 27	6 49 49	12°51'18	25°29	5°19	29°59	11° 8	18°23	14°35	20°43	19° 6	13° 6	2°26	1° 4	27°50	23°D11	T 27
W28	6 53 45	13°52'26	8♍33	6°55	1♓ 0	11°51	18°36	14°31	20°43	19° 7	13° 7	2°20	1° 1	27°57	23°11	W28
T 29	6 57 42	14°53'33	21°50	8°31	2° 1	12°34	18°49	14°27	20°42	19° 8	13° 9	2°15	0°58	28° 3	23°11	T 29
F 30	7 1 38	15°54'41	5♎21	10° 8	3° 1	13°18	19° 2	14°23	20°41	19° 8	13°10	2°13	0°54	28°10	23°11	F 30
S 31	7 5 35	16♑55'48	19♎ 7	11♑45	4♓ 2	14♐ 1	19♐15	14♊19	20♍41	19♎ 9	13♒12	2°D12	0♊51	28♉17	23♈11	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	22s50	12n 3	5n14	18s 1	1n31	22s 4	2s15	18s22	0n 8	21s59	0n25	21n25	1s27	4n26	0n46	5s45	1n44	26s 7	9s25	20n52	20n44	18n26	9n16	0n 7	
F 2	22 56	6 26	4 54	18 27	1 23	21 47	2 13	18 33	0 7	22 1	0 25	21 24	1 27	4 26	0 46	5 45	1 44	26 7	9 24	20 52	20 43	18 28	9 15	0 7	
S 3	23 1	0 21	4 17	18 52	1 15	21 29	2 11	18 44	0 7	22 2	0 25	21 24	1 27	4 26	0 46	5 46	1 44	26 6	9 24	20 52	20 43	18 31	9 15	0 7	
S 4	23 6	5s56	3 23	19 17	1 8	21 11	2 9	18 55	0 6	22 4	0 25	21 23	1 27	4 25	0 46	5 46	1 44	26 6	9 24	20 52	20 42	18 33	9 14	0 7	
M 5	23 11	12 4	2 15	19 42	1 0	20 52	2 7	19 6	0 5	22 6	0 25	21 23	1 27	4 25	0 46	5 47	1 44	26 5	9 24	20 52	20 41	18 35	9 14	0 7	
T 6	23 15	17 37	0 57	20 6	0 52	20 33	2 5	19 17	0 5	22 8	0 24	21 23	1 26	4 25	0 46	5 47	1 44	26 5	9 24	20 52	20 41	18 38	9 13	0 6	
W 7	23 19	22 8	0s26	20 29	0 44	20 13	2 3	19 27	0 4	22 9	0 24	21 22	1 26	4 25	0 46	5 48	1 44	26 4	9 24	20 52	20 40	18 40	9 13	0 6	
T 8	23 22	25 7	1 47	20 52	0 37	19 52	2 0	19 38	0 4	22 11	0 24	21 22	1 26	4 24	0 46	5 48	1 44	26 4	9 24	20 52	20 39	18 43	9 12	0 6	
F 9	23 25	26 18	3 0	21 14	0 29	19 31	1 57	19 48	0 3	22 13	0 24	21 22	1 26	4 24	0 46	5 48	1 44	26 3	9 24	20 52	20 39	18 45	9 12	0 6	
S 10	23 27	25 34	4 0	21 35	0 22	19 10	1 55	19 58	0 2	22 14	0 24	21 21	1 26	4 24	0 46	5 49	1 44	26 3	9 23	20 51	20 38	18 48	9 11	0 6	
S 11	23 29	23 11	4 43	21 55	0 14	18 48	1 52	20 8	0 2	22 16	0 24	21 21	1 26	4 24	0 46	5 49	1 44	26 2	9 23	20 51	20 37	18 50	9 11	0 6	
M12	23 31	19 29	5 8	22 15	0 7	18 26	1 49	20 18	0 1	22 18	0 24	21 20	1 26	4 24	0 46	5 50	1 44	26 2	9 23	20 50	20 37	18 52	9 10	0 6	
T 13	23 31	14 54	5 15	22 33	0s 1	18 4	1 45	20 27	0 0	22 19	0 24	21 20	1 26	4 24	0 46	5 50	1 44	26 1	9 23	20 49	20 36	18 55	9 10	0 6	
W14	23 32	9 47	5 5	22 51	0 8	17 41	1 42	20 36	0s 0	22 21	0 24	21 20	1 25	4 24	0 46	5 50	1 44	26 1	9 23	20 49	20 36	18 57	9 10	0 6	
T 15	23 32	4 25	4 41	23 7	0 15	17 17	1 38	20 46	0 1	22 22	0 24	21 19	1 25	4 24	0 46	5 51	1 44	26 0	9 23	20 49	20 35	19 0	9 9	0 6	
F 16	23 31	1n 0	4 5	23 23	0 22	16 54	1 35	20 55	0 2	22 24	0 24	21 19	1 25	4 24	0 46	5 51	1 44	26 0	9 23	20 49	20 34	19 2	9 9	0 6	
S 17	23 30	6 16	3 18	23 37	0 29	16 30	1 31	21 3	0 2	22 25	0 24	21 19	1 25	4 24	0 46	5 51	1 44	25 59	9 23	20 49	20 34	19 4	9 9	0 6	
S 18	23 29	11 16	2 24	23 50	0 35	16 5	1 27	21 12	0 3	22 27	0 24	21 18	1 25	4 24	0 47	5 51	1 45	25 59	9 23	20 50	20 33	19 7	9 8	0 5	
M19	23 27	15 49	1 23	24 2	0 42	15 41	1 23	21 21	0 4	22 28	0 23	21 18	1 25	4 24	0 47	5 52	1 45	25 58	9 22	20 50	20 32	19 9	9 8	0 5	
T 20	23 24	19 47	0 20	24 13	0 48	15 16	1 19	21 29	0 4	22 29	0 23	21 17	1 25	4 24	0 47	5 52	1 45	25 58	9 22	20 50	20 32	19 12	9 8	0 5	
W21	23 22	22 57	0n45	24 22	0 54	14 50	1 14	21 37	0 5	22 31	0 23	21 17	1 24	4 24	0 47	5 52	1 45	25 57	9 22	20 50	20 31	19 14	9 8	0 5	
T 22	23 18	25 9	1 48	24 31	1 0	14 25	1 10	21 45	0 6	22 32	0 23	21 17	1 24	4 24	0 47	5 52	1 45	25 57	9 22	20 50	20 30	19 16	9 7	0 5	
F 23	23 14	26 13	2 47	24 38	1 6	13 59	1 5	21 52	0 6	22 33	0 23	21 17	1 24	4 24	0 47	5 53	1 45	25 56	9 22	20 49	20 30	19 19	9 7	0 5	
S 24	23 10	26 0	3 39	24 43	1 11	13 33	1 0	22 0	0 7	22 35	0 23	21 16	1 24	4 24	0 47	5 53	1 45	25 56	9 22	20 48	20 29	19 21	9 7	0 5	
S 25	23 5	24 29	4 21	24 48	1 17	13 7	0 55	22 7	0 8	22 36	0 23	21 16	1 24	4 24	0 47	5 53	1 45	25 55	9 22	20 46	20 28	19 24	9 7	0 5	
M26	23 0	21 44	4 51	24 51	1 22	12 40	0 50	22 14	0 8	22 37	0 23	21 16	1 24	4 24	0 47	5 53	1 45	25 55	9 22	20 45	20 28	19 26	9 7	0 5	
T 27	22 54	17 54	5 7	24 52	1 27	12 14	0 45	22 21	0 9	22 39	0 23	21 15	1 23	4 25	0 47	5 53	1 45	25 54	9 22	20 44	20 27	19 28	9 7	0 5	
W28	22 48	13 9	5 8	24 52	1 31	11 47	0 40	22 28	0 10	22 40	0 23	21 15	1 23	4 25	0 47	5 54	1 45	25 54	9 22	20 42	20 26	19 31	9 7	0 5	
T 29	22 42	7 43	4 52	24 51	1 36	11 20	0 34	22 34	0 11	22 41	0 23	21 15	1 23	4 25	0 47	5 54	1 45	25 53	9 22	20 42	20 26	19 33	9 7	0 5	
F 30	22 35	1 50	4 20	24 48	1 40	10 53	0 28	22 40	0 11	22 42	0 23	21 14	1 23	4 25	0 47	5 54	1 45	25 52	9 22	20 41	20 25	19 35	9 7	0 4	
S 31	22s27	4s14	3n32	24s44	1s44	10s25	0s23	22s46	0s12	22s43	0n23	21n14	1s23	4n26	0n47	5s54	1n45	25s52	9s22	20n41	20n24	19n38	9n 7	0n 4	

Julian Day Number = 2194390.5, Delta T = 10m30s
Ecliptic obliquity = 23°31'54, Nutation = - 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'15, Lahiri = 14°02'15 Julian Calendar 1 Dec. 1295 == Greg. Calendar 8 Dec. 1295

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1296
geocentric

JANUARY 1296 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	7 9 31	17♉56'55	3♏ 8	13♉22	5♓ 1	14♐45	19♐28	14°R15	20°R40	19♎ 9	13♒14	2♊13	0♊48	28♉23	23♈12	S 1
M 2	7 13 28	18°58'01	17°23	15° 0	6° 0	15°28	19°41	14♊12	20♍39	19° 9	13°15	2°14	0°45	28°30	23°12	M 2
T 3	7 17 24	19°59'08	1♐52	16°39	6°59	16°12	19°54	14° 8	20°39	19°10	13°17	2°R15	0°42	28°37	23°12	T 3
W 4	7 21 21	21° 0'13	16°31	18°19	7°57	16°55	20° 6	14° 5	20°38	19°10	13°19	2°14	0°38	28°43	23°13	W 4
T 5	7 25 18	22° 1'19	1♉14	19°58	8°55	17°39	20°19	14° 1	20°37	19°10	13°20	2°11	0°35	28°50	23°13	T 5
F 6	7 29 14	23° 2'23	15°56	21°39	9°52	18°22	20°32	13°58	20°36	19°11	13°22	2° 6	0°32	28°57	23°14	F 6
S 7	7 33 11	24° 3'27	0♒27	23°20	10°49	19° 6	20°44	13°55	20°35	19°11	13°24	1°58	0°29	29° 3	23°15	S 7
S 8	7 37 7	25° 4'30	14°42	25° 2	11°45	19°50	20°57	13°52	20°34	19°11	13°25	1°49	0°26	29°10	23°15	S 8
M 9	7 41 4	26° 5'32	28°36	26°44	12°40	20°33	21° 9	13°49	20°33	19°11	13°27	1°39	0°23	29°17	23°16	M 9
T 10	7 45 0	27° 6'32	12♓ 4	28°27	13°35	21°17	21°22	13°46	20°31	19°11	13°29	1°31	0°19	29°23	23°17	T 10
W11	7 48 57	28° 7'32	25° 7	0♒11	14°29	22° 1	21°34	13°43	20°30	19°11	13°30	1°24	0°16	29°30	23°18	W11
T 12	7 52 53	29° 8'30	7♈45	1°55	15°23	22°45	21°46	13°40	20°29	19°11	13°32	1°19	0°13	29°37	23°19	T 12
F 13	7 56 50	0♒ 9'27	20° 4	3°40	16°15	23°29	21°58	13°37	20°28	19°R11	13°34	1°16	0°10	29°43	23°20	F 13
S 14	8 0 47	1°10'22	2♉ 6	5°25	17° 7	24°13	22°11	13°35	20°26	19°11	13°35	1°D16	0° 7	29°50	23°21	S 14
S 15	8 4 43	2°11'17	13°58	7°11	17°59	24°57	22°23	13°32	20°25	19°11	13°37	1°16	0° 4	29°56	23°22	S 15
M16	8 8 40	3°12'10	25°45	8°58	18°49	25°41	22°35	13°30	20°23	19°11	13°39	1°R17	0° 0	0♊ 3	23°23	M16
T 17	8 12 36	4°13'01	7♊33	10°45	19°39	26°25	22°47	13°28	20°22	19°11	13°41	1°17	29♉57	0°10	23°24	T 17
W18	8 16 33	5°13'51	19°26	12°32	20°27	27° 9	22°58	13°26	20°20	19°11	13°42	1°15	29°54	0°16	23°26	W18
T 19	8 20 29	6°14'40	1♋28	14°19	21°15	27°53	23°10	13°24	20°19	19°11	13°44	1°11	29°51	0°23	23°27	T 19
F 20	8 24 26	7°15'27	13°43	16° 7	22° 2	28°37	23°22	13°22	20°17	19°11	13°46	1° 4	29°48	0°30	23°28	F 20
S 21	8 28 22	8°16'13	26°13	17°55	22°48	29°21	23°34	13°20	20°15	19°10	13°48	0°54	29°44	0°36	23°30	S 21
S 22	8 32 19	9°16'57	8♌58	19°42	23°33	0♉ 5	23°45	13°18	20°14	19°10	13°49	0°43	29°41	0°43	23°31	S 22
M23	8 36 16	10°17'40	21°59	21°29	24°17	0°49	23°57	13°17	20°12	19°10	13°51	0°30	29°38	0°50	23°33	M23
T 24	8 40 12	11°18'22	5♍13	23°16	25° 0	1°33	24° 8	13°15	20°10	19° 9	13°53	0°18	29°35	0°56	23°35	T 24
W25	8 44 9	12°19'02	18°39	25° 2	25°41	2°18	24°19	13°14	20° 8	19° 9	13°55	0° 7	29°32	1° 3	23°36	W25
T 26	8 48 5	13°19'41	2♎16	26°47	26°22	3° 2	24°30	13°12	20° 6	19° 9	13°56	29♉59	29°29	1°10	23°38	T 26
F 27	8 52 2	14°20'19	16° 1	28°30	27° 1	3°46	24°42	13°11	20° 4	19° 8	13°58	29°53	29°25	1°16	23°40	F 27
S 28	8 55 58	15°20'56	29°53	0♓11	27°39	4°31	24°53	13°10	20° 3	19° 8	14° 0	29°50	29°22	1°23	23°42	S 28
S 29	8 59 55	16°21'31	13♏51	1°50	28°16	5°15	25° 4	13° 9	20° 1	19° 7	14° 2	29°D50	29°19	1°29	23°44	S 29
M30	9 3 51	17°22'06	27°56	3°26	28°51	6° 0	25°15	13° 9	19°59	19° 7	14° 3	29°R50	29°16	1°36	23°46	M30
T 31	9 7 48	18♒22'39	12♐ 6	4♓59	29♓25	6♉44	25♐25	13♊ 8	19♍56	19♎ 6	14♒ 5	29♉49	29♉13	1♊43	23♈48	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	22s19	10s14	2n31	24s38	1s47	9s58	0s17	22s52	0s13	22s44	0n23	21n14	1s22	4n26	0n47	5s54	1n45	25s51	9s21	20n41	20n24	19n40	9n 7	0n 4	
M 2	22 11	15 49	1 20	24 31	1 50	9 30	0 10	22 57	0 13	22 45	0 22	21 14	1 22	4 26	0 47	5 54	1 45	25 51	9 21	20 41	20 23	19 42	9 7	0 4	
T 3	22 2	20 35	0 2	24 22	1 53	9 3	0 4	23 3	0 14	22 46	0 22	21 14	1 22	4 27	0 47	5 54	1 46	25 50	9 21	20 42	20 22	19 45	9 7	0 4	
W 4	21 53	24 7	1s16	24 11	1 56	8 35	0n 2	23 8	0 15	22 47	0 22	21 13	1 22	4 27	0 47	5 54	1 46	25 50	9 21	20 41	20 22	19 47	9 7	0 4	
T 5	21 43	26 1	2 30	23 59	1 58	8 7	0 9	23 13	0 16	22 48	0 22	21 13	1 22	4 27	0 47	5 54	1 46	25 49	9 21	20 41	20 21	19 49	9 7	0 4	
F 6	21 33	26 6	3 33	23 46	2 0	7 39	0 16	23 17	0 16	22 49	0 22	21 13	1 22	4 28	0 47	5 54	1 46	25 49	9 21	20 40	20 20	19 52	9 7	0 4	
S 7	21 23	24 23	4 22	23 30	2 2	7 11	0 23	23 22	0 17	22 50	0 22	21 13	1 21	4 28	0 47	5 54	1 46	25 48	9 21	20 38	20 20	19 54	9 7	0 4	
S 8	21 12	21 9	4 53	23 13	2 3	6 44	0 30	23 26	0 18	22 51	0 22	21 13	1 21	4 29	0 47	5 54	1 46	25 48	9 21	20 36	20 19	19 56	9 8	0 4	
M 9	21 1	16 47	5 6	22 55	2 4	6 16	0 37	23 30	0 18	22 52	0 22	21 12	1 21	4 29	0 47	5 54	1 46	25 47	9 21	20 34	20 19	19 59	9 8	0 4	
T 10	20 49	11 41	5 1	22 34	2 4	5 48	0 44	23 34	0 19	22 53	0 22	21 12	1 21	4 30	0 47	5 54	1 46	25 47	9 21	20 33	20 18	20 1	9 8	0 4	
W11	20 37	6 14	4 41	22 13	2 4	5 20	0 52	23 37	0 20	22 54	0 22	21 12	1 21	4 30	0 47	5 54	1 46	25 46	9 21	20 31	20 17	20 3	9 8	0 3	
T 12	20 25	0 41	4 7	21 49	2 4	4 52	0 59	23 41	0 21	22 55	0 22	21 12	1 20	4 31	0 48	5 54	1 46	25 46	9 21	20 30	20 16	20 5	9 9	0 3	
F 13	20 12	4n45	3 22	21 24	2 3	4 25	1 7	23 44	0 21	22 55	0 22	21 12	1 20	4 31	0 48	5 54	1 46	25 45	9 21	20 30	20 16	20 8	9 9	0 3	
S 14	19 59	9 54	2 30	20 57	2 1	3 57	1 15	23 46	0 22	22 56	0 22	21 12	1 20	4 32	0 48	5 54	1 46	25 45	9 21	20 30	20 15	20 10	9 9	0 3	
S 15	19 45	14 38	1 31	20 28	1 59	3 30	1 23	23 49	0 23	22 57	0 22	21 12	1 20	4 32	0 48	5 54	1 46	25 44	9 21	20 30	20 14	20 12	9 10	0 3	
M16	19 31	18 48	0 30	19 58	1 57	3 2	1 32	23 51	0 24	22 58	0 22	21 12	1 19	4 33	0 48	5 54	1 46	25 44	9 21	20 30	20 14	20 15	9 10	0 3	
T 17	19 17	22 12	0n33	19 26	1 54	2 35	1 40	23 53	0 24	22 58	0 22	21 12	1 19	4 34	0 48	5 54	1 46	25 43	9 21	20 30	20 13	20 17	9 10	0 3	
W18	19 2	24 42	1 35	18 52	1 50	2 8	1 49	23 55	0 25	22 59	0 22	21 12	1 19	4 34	0 48	5 54	1 46	25 43	9 21	20 29	20 12	20 19	9 11	0 3	
T 19	18 47	26 5	2 34	18 17	1 46	1 41	1 57	23 57	0 26	23 0	0 21	21 12	1 19	4 35	0 48	5 54	1 47	25 42	9 21	20 29	20 12	20 21	9 11	0 3	
F 20	18 32	26 14	3 26	17 40	1 41	1 14	2 6	23 58	0 27	23 1	0 21	21 12	1 19	4 36	0 48	5 54	1 47	25 41	9 21	20 27	20 11	20 24	9 12	0 3	
S 21	18 16	25 4	4 9	17 2	1 35	0 48	2 15	23 59	0 27	23 1	0 21	21 11	1 18	4 36	0 48	5 53	1 47	25 41	9 21	20 25	20 10	20 26	9 12	0 3	
S 22	18 0	22 35	4 41	16 22	1 29	0 22	2 24	24 0	0 28	23 2	0 21	21 12	1 18	4 37	0 48	5 53	1 47	25 40	9 21	20 23	20 10	20 28	9 13	0 3	
M23	17 44	18 56	4 58	15 41	1 22	0n 4	2 33	24 1	0 29	23 2	0 21	21 12	1 18	4 38	0 48	5 53	1 47	25 40	9 21	20 20	20 9	20 30	9 13	0 2	
T 24	17 27	14 17	5 1	14 59	1 15	0 30	2 43	24 1	0 30	23 3	0 21	21 12	1 18	4 39	0 48	5 53	1 47	25 40	9 21	20 18	20 8	20 33	9 14	0 2	
W25	17 10	8 53	4 46	14 16	1 6	0 55	2 52	24 1	0 30	23 3	0 21	21 12	1 17	4 39	0 48	5 53	1 47	25 39	9 21	20 15	20 8	20 35	9 14	0 2	
T 26	16 53	3 0	4 16	13 32	0 57	1 20	3 2	24 1	0 31	23 4	0 21	21 12	1 17	4 40	0 48	5 52	1 47	25 39	9 21	20 14	20 7	20 37	9 15	0 2	
F 27	16 36	3s 6	3 30	12 47	0 48	1 44	3 12	24 1	0 32	23 5	0 21	21 12	1 17	4 41	0 48	5 52	1 47	25 38	9 22	20 12	20 6	20 39	9 15	0 2	
S 28	16 18	9 6	2 32	12 2	0 37	2 9	3 22	24 0	0 33	23 5	0 21	21 12	1 17	4 42	0 48	5 52	1 47	25 38	9 22	20 12	20 6	20 42	9 16	0 2	
S 29	16 0	14 44	1 24	11 16	0 26	2 33	3 32	23 59	0 33	23 5	0 21	21 12	1 17	4 42	0 48	5 52	1 47	25 37	9 22	20 12	20 5	20 44	9 17	0 2	
M30	15 41	19 37	0 10	10 30	0 14	2 56	3 42	23 58	0 34	23 6	0 21	21 12	1 16	4 43	0 48	5 51	1 47	25 37	9 22	20 12	20 4	20 46	9 17	0 2	
T 31	15s23	23s24	1s 5	9s45	0s 1	3n19	3n52	23s57	0s35	23s 6	0n21	21n12	1s16	4n44	0n48	5s51	1n47	25s36	9s22	20n11	20n 4	20n48	9n18	0n 2	

Julian Day Number = 2194421.5, Delta T = 10m30s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'19, Lahiri = 14°02'19 Julian Calendar 1 Jan. 1296 == Greg. Calendar 8 Jan. 1296

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ASTRODIENST EPHEMERIS for the year 1296
geocentric

FEBRUARY 1296 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	9 11 45	19♒23'11	26♐21	6♓28	29♓58	7♑28	25♐36	13°R 7	19°R54	19°R 5	14♒ 7	29°R47	29♉10	1♊49	23♈50	W 1
T 2	9 15 41	20°23'41	10♑37	7°52	0♈29	8°13	25°47	13♊ 7	19♍52	19♎ 5	14° 9	29♉42	29° 6	1°56	23°52	T 2
F 3	9 19 38	21°24'10	24°51	9°11	0°58	8°58	25°57	13° 6	19°50	19° 4	14°10	29°35	29° 3	2° 3	23°54	F 3
S 4	9 23 34	22°24'38	8♒59	10°23	1°26	9°42	26° 7	13° 6	19°48	19° 3	14°12	29°24	29° 0	2° 9	23°56	S 4
S 5	9 27 31	23°25'04	22°55	11°30	1°52	10°27	26°18	13° 6	19°46	19° 3	14°14	29°12	28°57	2°16	23°58	S 5
M 6	9 31 27	24°25'28	6♓35	12°29	2°16	11°11	26°28	13°D 6	19°43	19° 2	14°16	28°58	28°54	2°23	24° 1	M 6
T 7	9 35 24	25°25'50	19°55	13°20	2°39	11°56	26°38	13° 6	19°41	19° 1	14°17	28°46	28°50	2°29	24° 3	T 7
W 8	9 39 20	26°26'10	2♈54	14° 3	2°59	12°41	26°48	13° 6	19°39	19° 0	14°19	28°35	28°47	2°36	24° 5	W 8
T 9	9 43 17	27°26'29	15°32	14°36	3°18	13°25	26°58	13° 7	19°36	18°59	14°21	28°27	28°44	2°43	24° 8	T 9
F 10	9 47 14	28°26'45	27°50	15° 1	3°35	14°10	27° 8	13° 7	19°34	18°59	14°23	28°22	28°41	2°49	24°10	F 10
S 11	9 51 10	29°26'59	9♉54	15°16	3°49	14°55	27°17	13° 7	19°32	18°58	14°24	28°20	28°38	2°56	24°13	S 11
S 12	9 55 7	0♓27'12	21°47	15°R22	4° 2	15°40	27°27	13° 8	19°29	18°57	14°26	28°19	28°35	3° 2	24°15	S 12
M13	9 59 3	1°27'22	3♊35	15°18	4°12	16°24	27°36	13° 9	19°27	18°56	14°28	28°19	28°31	3° 9	24°18	M13
T 14	10 3 0	2°27'30	15°24	15° 5	4°20	17° 9	27°46	13°10	19°24	18°55	14°29	28°18	28°28	3°16	24°21	T 14
W15	10 6 56	3°27'36	27°18	14°43	4°25	17°54	27°55	13°11	19°22	18°54	14°31	28°16	28°25	3°22	24°23	W15
T 16	10 10 53	4°27'40	9♋24	14°12	4°28	18°39	28° 4	13°12	19°20	18°53	14°33	28°12	28°22	3°29	24°26	T 16
F 17	10 14 49	5°27'42	21°45	13°34	4°R29	19°24	28°13	13°13	19°17	18°52	14°34	28° 5	28°19	3°36	24°29	F 17
S 18	10 18 46	6°27'42	4♌24	12°49	4°27	20° 9	28°22	13°14	19°15	18°51	14°36	27°56	28°16	3°42	24°32	S 18
S 19	10 22 43	7°27'39	17°24	11°59	4°23	20°54	28°30	13°16	19°12	18°50	14°38	27°44	28°12	3°49	24°35	S 19
M20	10 26 39	8°27'35	0♍43	11° 5	4°16	21°39	28°39	13°17	19° 9	18°48	14°39	27°32	28° 9	3°56	24°37	M20
T 21	10 30 36	9°27'28	14°21	10° 8	4° 7	22°24	28°47	13°19	19° 7	18°47	14°41	27°19	28° 6	4° 2	24°40	T 21
W22	10 34 32	10°27'19	28°13	9° 9	3°55	23° 9	28°56	13°21	19° 4	18°46	14°43	27° 8	28° 3	4° 9	24°43	W22
T 23	10 38 29	11°27'09	12♎16	8°10	3°41	23°54	29° 4	13°23	19° 2	18°45	14°44	26°59	28° 0	4°16	24°46	T 23
F 24	10 42 25	12°26'56	26°25	7°13	3°24	24°39	29°12	13°25	18°59	18°44	14°46	26°53	27°56	4°22	24°49	F 24
S 25	10 46 22	13°26'42	10♏36	6°17	3° 5	25°24	29°20	13°27	18°57	18°42	14°47	26°50	27°53	4°29	24°52	S 25
S 26	10 50 18	14°26'27	24°47	5°25	2°44	26° 9	29°28	13°29	18°54	18°41	14°49	26°D49	27°50	4°36	24°56	S 26
M27	10 54 15	15°26'09	8♐56	4°37	2°20	26°54	29°35	13°31	18°51	18°40	14°50	26°R50	27°47	4°42	24°59	M27
T 28	10 58 12	16°25'50	23° 1	3°53	1°54	27°39	29°43	13°34	18°49	18°38	14°52	26°50	27°44	4°49	25° 2	T 28
W29	11 2 8	17♓25'29	7♑ 2	3♓16	1♈26	28♑24	29♐50	13♊36	18♍46	18♎37	14♒54	26♉48	27♉41	4♊55	25♈ 5	W29

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	15s 4	25s44	2s15	9s 0	0n12	3n41	4n 2	23s55	0s36	23s 7	0n21	21n12	1s16	4n45	0n48	5s51	1n47	25s36	9s22	20n11	20n 3	20n50	9n19	0n 2
T 2	14 45	26 23	3 18	8 16	0 25	4 3	4 13	23 53	0 37	23 7	0 21	21 13	1 16	4 46	0 48	5 51	1 47	25 35	9 22	20 10	20 2	20 53	9 19	0 2
F 3	14 25	25 18	4 8	7 33	0 40	4 24	4 23	23 51	0 37	23 8	0 21	21 13	1 15	4 47	0 48	5 50	1 47	25 35	9 22	20 8	20 1	20 55	9 20	0 2
S 4	14 6	22 36	4 42	6 52	0 54	4 45	4 34	23 49	0 38	23 8	0 21	21 13	1 15	4 48	0 48	5 50	1 47	25 34	9 22	20 6	20 1	20 57	9 21	0 1
S 5	13 46	18 37	4 58	6 13	1 9	5 5	4 44	23 46	0 39	23 8	0 21	21 13	1 15	4 48	0 48	5 50	1 48	25 34	9 22	20 3	20 0	20 59	9 21	0 1
M 6	13 26	13 44	4 58	5 36	1 25	5 25	4 55	23 43	0 40	23 9	0 20	21 13	1 15	4 49	0 48	5 49	1 48	25 33	9 22	20 0	19 59	21 1	9 22	0 1
T 7	13 6	8 18	4 40	5 2	1 40	5 44	5 6	23 40	0 40	23 9	0 20	21 14	1 15	4 50	0 48	5 49	1 48	25 33	9 22	19 58	19 59	21 4	9 23	0 1
W 8	12 45	2 39	4 9	4 32	1 55	6 2	5 17	23 37	0 41	23 9	0 20	21 14	1 14	4 51	0 48	5 49	1 48	25 33	9 22	19 55	19 58	21 6	9 24	0 1
T 9	12 24	2n58	3 26	4 5	2 10	6 19	5 27	23 33	0 42	23 10	0 20	21 14	1 14	4 52	0 48	5 48	1 48	25 32	9 23	19 54	19 57	21 8	9 25	0 1
F 10	12 4	8 21	2 34	3 42	2 24	6 36	5 38	23 29	0 43	23 10	0 20	21 14	1 14	4 53	0 48	5 48	1 48	25 32	9 23	19 52	19 57	21 10	9 25	0 1
S 11	11 43	13 19	1 36	3 24	2 38	6 51	5 49	23 25	0 44	23 10	0 20	21 15	1 14	4 54	0 48	5 47	1 48	25 31	9 23	19 52	19 56	21 12	9 26	0 1
S 12	11 21	17 44	0 35	3 9	2 51	7 6	5 59	23 21	0 44	23 10	0 20	21 15	1 13	4 55	0 48	5 47	1 48	25 31	9 23	19 52	19 55	21 14	9 27	0 1
M13	11 0	21 25	0n28	3 0	3 3	7 20	6 10	23 16	0 45	23 11	0 20	21 15	1 13	4 56	0 48	5 47	1 48	25 31	9 23	19 52	19 54	21 17	9 28	0 1
T 14	10 38	24 12	1 29	2 55	3 14	7 32	6 21	23 11	0 46	23 11	0 20	21 16	1 13	4 57	0 48	5 46	1 48	25 30	9 23	19 52	19 54	21 19	9 29	0 1
W15	10 17	25 57	2 27	2 55	3 23	7 44	6 31	23 6	0 47	23 11	0 20	21 16	1 13	4 58	0 48	5 46	1 48	25 30	9 23	19 51	19 53	21 21	9 30	0 1
T 16	9 55	26 31	3 19	3 0	3 31	7 55	6 41	23 1	0 48	23 11	0 20	21 16	1 12	4 59	0 48	5 45	1 48	25 29	9 23	19 50	19 52	21 23	9 31	0 1
F 17	9 33	25 46	4 3	3 9	3 37	8 4	6 51	22 55	0 48	23 11	0 20	21 17	1 12	5 0	0 48	5 45	1 48	25 29	9 24	19 49	19 52	21 25	9 32	0 0
S 18	9 10	23 42	4 36	3 22	3 41	8 12	7 1	22 49	0 49	23 11	0 20	21 17	1 12	5 1	0 48	5 44	1 48	25 29	9 24	19 47	19 51	21 27	9 33	0 0
S 19	8 48	20 22	4 56	3 39	3 43	8 19	7 10	22 43	0 50	23 12	0 20	21 18	1 12	5 2	0 48	5 44	1 48	25 28	9 24	19 44	19 50	21 29	9 34	0 0
M20	8 26	15 56	5 0	4 0	3 43	8 25	7 20	22 37	0 51	23 12	0 20	21 18	1 12	5 3	0 48	5 44	1 48	25 28	9 24	19 41	19 50	21 32	9 35	0 0
T 21	8 3	10 36	4 48	4 24	3 41	8 30	7 28	22 31	0 51	23 12	0 20	21 18	1 11	5 4	0 48	5 43	1 48	25 28	9 24	19 38	19 49	21 34	9 36	0 0
W22	7 41	4 39	4 18	4 50	3 36	8 33	7 37	22 24	0 52	23 12	0 20	21 19	1 11	5 5	0 48	5 43	1 48	25 27	9 24	19 36	19 48	21 36	9 37	0 0
T 23	7 18	1s36	3 33	5 17	3 30	8 34	7 45	22 17	0 53	23 12	0 20	21 19	1 11	5 6	0 48	5 42	1 48	25 27	9 25	19 34	19 47	21 38	9 38	0 0
F 24	6 55	7 51	2 34	5 46	3 22	8 34	7 52	22 10	0 54	23 12	0 20	21 20	1 11	5 7	0 48	5 42	1 48	25 27	9 25	19 32	19 47	21 40	9 39	0s 0
S 25	6 32	13 43	1 25	6 15	3 13	8 33	7 59	22 2	0 55	23 12	0 19	21 20	1 10	5 8	0 48	5 41	1 48	25 26	9 25	19 32	19 46	21 42	9 40	0 0
S 26	6 9	18 52	0 11	6 45	3 2	8 30	8 6	21 55	0 55	23 12	0 19	21 21	1 10	5 9	0 48	5 41	1 49	25 26	9 25	19 31	19 45	21 44	9 41	0 0
M27	5 46	22 56	1s 4	7 13	2 50	8 26	8 11	21 47	0 56	23 13	0 19	21 21	1 10	5 10	0 48	5 40	1 49	25 26	9 25	19 31	19 45	21 46	9 42	0 0
T 28	5 23	25 35	2 14	7 41	2 37	8 20	8 16	21 39	0 57	23 13	0 19	21 22	1 10	5 11	0 48	5 39	1 49	25 25	9 25	19 31	19 44	21 48	9 43	0 0
W29	4s59	26s37	3s16	8s 8	2n23	8n13	8n21	21s30	0s58	23s13	0n19	21n22	1s10	5n12	0n48	5s39	1n49	25s25	9s26	19n31	19n43	21n50	9n44	0s 0

Julian Day Number = 2194452.5, Delta T = 10m30s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'23, Lahiri = 14°02'24 Julian Calendar 1 Feb. 1296 == Greg. Calendar 8 Feb. 1296

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ASTRODIENST EPHEMERIS for the year 1296
geocentric

MARCH 1296 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	11 6 5	18♓25'07	20♉57	2°R44	0°R56	29♉ 9	29♐57	13♊39	18°R44	18°R36	14♒55	26°R44	27♌37	5♊ 2	25♈ 8	T 1
F 2	11 10 1	19°24'42	4♒46	2♓18	0♈25	29°55	0♉ 5	13°42	18♍41	18♎34	14°57	26♌38	27°34	5° 9	25°12	F 2
S 3	11 13 58	20°24'16	18°27	1°58	29♓52	0♒40	0°11	13°44	18°38	18°33	14°58	26°29	27°31	5°15	25°15	S 3
S 4	11 17 54	21°23'48	1♓57	1°44	29°17	1°25	0°18	13°47	18°36	18°32	15° 0	26°18	27°28	5°22	25°18	S 4
M 5	11 21 51	22°23'18	15°14	1°36	28°42	2°10	0°25	13°50	18°33	18°30	15° 1	26° 7	27°25	5°29	25°22	M 5
T 6	11 25 47	23°22'45	28°15	1°D34	28° 5	2°55	0°31	13°54	18°31	18°29	15° 2	25°56	27°21	5°35	25°25	T 6
W 7	11 29 44	24°22'11	11♈ 1	1°39	27°28	3°41	0°38	13°57	18°28	18°27	15° 4	25°46	27°18	5°42	25°28	W 7
T 8	11 33 41	25°21'34	23°29	1°48	26°50	4°26	0°44	14° 0	18°25	18°26	15° 5	25°39	27°15	5°49	25°32	T 8
F 9	11 37 37	26°20'55	5♉43	2° 3	26°12	5°11	0°50	14° 3	18°23	18°24	15° 7	25°35	27°12	5°55	25°35	F 9
S 10	11 41 34	27°20'14	17°45	2°23	25°35	5°57	0°56	14° 7	18°20	18°23	15° 8	25°33	27° 9	6° 2	25°39	S 10
S 11	11 45 30	28°19'31	29°37	2°48	24°57	6°42	1° 2	14°11	18°18	18°21	15° 9	25°D32	27° 6	6° 9	25°42	S 11
M12	11 49 27	29°18'46	11♊25	3°17	24°20	7°27	1° 7	14°14	18°15	18°20	15°11	25°33	27° 2	6°15	25°46	M12
T 13	11 53 23	0♈17'58	23°14	3°51	23°44	8°12	1°12	14°18	18°13	18°18	15°12	25°34	26°59	6°22	25°49	T 13
W14	11 57 20	1°17'08	5♋ 8	4°28	23° 9	8°58	1°18	14°22	18°10	18°17	15°13	25°R34	26°56	6°29	25°53	W14
T 15	12 1 16	2°16'15	17°14	5°10	22°35	9°43	1°23	14°26	18° 8	18°15	15°15	25°33	26°53	6°35	25°57	T 15
F 16	12 5 13	3°15'20	29°36	5°55	22° 3	10°28	1°28	14°30	18° 5	18°14	15°16	25°30	26°50	6°42	26° 0	F 16
S 17	12 9 10	4°14'23	12♌19	6°44	21°32	11°14	1°32	14°34	18° 3	18°12	15°17	25°24	26°47	6°48	26° 4	S 17
S 18	12 13 6	5°13'24	25°24	7°36	21° 3	11°59	1°37	14°39	18° 0	18°11	15°18	25°17	26°43	6°55	26° 8	S 18
M19	12 17 3	6°12'22	8♍54	8°31	20°36	12°45	1°41	14°43	17°58	18° 9	15°20	25° 9	26°40	7° 2	26°11	M19
T 20	12 20 59	7°11'18	22°46	9°29	20°11	13°30	1°46	14°47	17°55	18° 7	15°21	25° 1	26°37	7° 8	26°15	T 20
W21	12 24 56	8°10'12	6♎59	10°30	19°48	14°15	1°50	14°52	17°53	18° 6	15°22	24°54	26°34	7°15	26°19	W21
T 22	12 28 52	9° 9'03	21°26	11°33	19°28	15° 1	1°53	14°57	17°50	18° 4	15°23	24°48	26°31	7°22	26°22	T 22
F 23	12 32 49	10° 7'53	6♏ 2	12°39	19° 9	15°46	1°57	15° 1	17°48	18° 2	15°24	24°45	26°27	7°28	26°26	F 23
S 24	12 36 45	11° 6'41	20°39	13°48	18°54	16°31	2° 1	15° 6	17°46	18° 1	15°26	24°D43	26°24	7°35	26°30	S 24
S 25	12 40 42	12° 5'27	5♐12	14°59	18°40	17°17	2° 4	15°11	17°43	17°59	15°27	24°44	26°21	7°42	26°34	S 25
M26	12 44 38	13° 4'12	19°37	16°12	18°30	18° 2	2° 7	15°16	17°41	17°58	15°28	24°45	26°18	7°48	26°37	M26
T 27	12 48 35	14° 2'55	3♑51	17°27	18°21	18°48	2°10	15°21	17°39	17°56	15°29	24°46	26°15	7°55	26°41	T 27
W28	12 52 32	15° 1'36	17°52	18°45	18°15	19°33	2°13	15°26	17°37	17°54	15°30	24°R46	26°12	8° 2	26°45	W28
T 29	12 56 28	16° 0'15	1♒39	20° 4	18°12	20°18	2°16	15°31	17°35	17°53	15°31	24°45	26° 8	8° 8	26°49	T 29
F 30	13 0 25	16°58'53	15°12	21°25	18°D11	21° 4	2°18	15°36	17°32	17°51	15°32	24°42	26° 5	8°15	26°53	F 30
S 31	13 4 21	17♈57'29	28♒32	22♓49	18♓12	21♒49	2♉20	15♊42	17♍30	17♎49	15♒33	24♌38	26♌ 2	8♊22	26♈56	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4s36	25s57	4s 6	8s33	2n 9	8n 4	8n24	21s22	0s59	23s13	0n19	21n23	1s 9	5n13	0n48	5s38	1n49	25s25	9s26	19n30	19n42	21n53	9n45	0s 1
F 2	4 12	23 42	4 41	8 56	1 54	7 54	8 27	21 13	0 59	23 13	0 19	21 23	1 9	5 14	0 48	5 38	1 49	25 24	9 26	19 29	19 42	21 55	9 47	0 1
S 3	3 49	20 6	5 0	9 17	1 39	7 43	8 29	21 4	1 0	23 13	0 19	21 24	1 9	5 15	0 48	5 37	1 49	25 24	9 26	19 27	19 41	21 57	9 48	0 1
S 4	3 25	15 30	5 1	9 36	1 24	7 30	8 29	20 55	1 1	23 13	0 19	21 24	1 9	5 16	0 48	5 37	1 49	25 24	9 26	19 24	19 40	21 59	9 49	0 1
M 5	3 2	10 14	4 46	9 52	1 9	7 16	8 29	20 45	1 2	23 13	0 19	21 25	1 9	5 17	0 48	5 36	1 49	25 24	9 27	19 21	19 39	22 1	9 50	0 1
T 6	2 38	4 37	4 17	10 7	0 54	7 0	8 29	20 36	1 2	23 13	0 19	21 26	1 8	5 18	0 48	5 36	1 49	25 23	9 27	19 19	19 39	22 3	9 51	0 1
W 7	2 15	1n 5	3 34	10 19	0 40	6 44	8 27	20 26	1 3	23 13	0 19	21 26	1 8	5 19	0 48	5 35	1 49	25 23	9 27	19 17	19 38	22 5	9 52	0 1
T 8	1 51	6 38	2 43	10 29	0 25	6 26	8 24	20 16	1 4	23 13	0 19	21 27	1 8	5 20	0 48	5 34	1 49	25 23	9 27	19 15	19 37	22 7	9 54	0 1
F 9	1 27	11 51	1 44	10 36	0 12	6 8	8 20	20 6	1 5	23 13	0 19	21 27	1 8	5 21	0 48	5 34	1 49	25 23	9 27	19 14	19 37	22 9	9 55	0 1
S 10	1 4	16 31	0 42	10 41	0s 2	5 48	8 15	19 55	1 6	23 13	0 19	21 28	1 7	5 22	0 48	5 33	1 49	25 22	9 28	19 13	19 36	22 11	9 56	0 1
S 11	0 40	20 30	0n22	10 45	0 14	5 29	8 10	19 44	1 6	23 13	0 19	21 29	1 7	5 23	0 48	5 33	1 49	25 22	9 28	19 13	19 35	22 13	9 57	0 1
M12	0 16	23 38	1 24	10 45	0 27	5 8	8 3	19 34	1 7	23 13	0 19	21 29	1 7	5 24	0 48	5 32	1 49	25 22	9 28	19 13	19 34	22 15	9 58	0 1
T 13	0n 7	25 45	2 23	10 44	0 39	4 47	7 56	19 23	1 8	23 13	0 19	21 30	1 7	5 25	0 48	5 31	1 49	25 22	9 28	19 14	19 34	22 17	10 0	0 1
W14	0 31	26 42	3 16	10 41	0 50	4 26	7 48	19 11	1 9	23 13	0 18	21 31	1 7	5 26	0 48	5 31	1 49	25 22	9 28	19 14	19 33	22 19	10 1	0 1
T 15	0 54	26 25	4 2	10 36	1 1	4 4	7 39	19 0	1 9	23 13	0 18	21 31	1 6	5 27	0 48	5 30	1 49	25 21	9 29	19 13	19 32	22 21	10 2	0 2
F 16	1 18	24 49	4 37	10 28	1 11	3 43	7 30	18 48	1 10	23 13	0 18	21 32	1 6	5 28	0 48	5 30	1 49	25 21	9 29	19 13	19 31	22 23	10 3	0 2
S 17	1 41	21 57	4 59	10 19	1 20	3 21	7 19	18 37	1 11	23 13	0 18	21 33	1 6	5 29	0 48	5 29	1 49	25 21	9 29	19 11	19 31	22 25	10 5	0 2
S 18	2 5	17 55	5 7	10 8	1 29	3 0	7 9	18 25	1 12	23 13	0 18	21 33	1 6	5 30	0 48	5 28	1 49	25 21	9 29	19 10	19 30	22 27	10 6	0 2
M19	2 28	12 52	4 59	9 55	1 38	2 39	6 57	18 12	1 12	23 13	0 18	21 34	1 6	5 31	0 48	5 28	1 49	25 21	9 30	19 8	19 29	22 29	10 7	0 2
T 20	2 52	7 3	4 32	9 41	1 46	2 19	6 46	18 0	1 13	23 13	0 18	21 35	1 5	5 32	0 48	5 27	1 49	25 21	9 30	19 6	19 28	22 31	10 8	0 2
W21	3 15	0 43	3 49	9 24	1 53	1 59	6 33	17 48	1 14	23 13	0 18	21 35	1 5	5 33	0 48	5 26	1 49	25 21	9 30	19 4	19 28	22 33	10 10	0 2
T 22	3 38	5s46	2 50	9 6	2 0	1 39	6 21	17 35	1 15	23 13	0 18	21 36	1 5	5 34	0 48	5 26	1 49	25 20	9 30	19 3	19 27	22 35	10 11	0 2
F 23	4 2	12 1	1 39	8 47	2 6	1 20	6 8	17 22	1 15	23 13	0 18	21 37	1 5	5 35	0 48	5 25	1 49	25 20	9 31	19 2	19 26	22 37	10 12	0 2
S 24	4 25	17 38	0 22	8 25	2 12	1 2	5 55	17 9	1 16	23 13	0 18	21 37	1 5	5 36	0 48	5 25	1 49	25 20	9 31	19 1	19 26	22 39	10 14	0 2
S 25	4 48	22 11	0s57	8 3	2 17	0 45	5 42	16 56	1 17	23 13	0 18	21 38	1 5	5 36	0 48	5 24	1 49	25 20	9 31	19 1	19 25	22 41	10 15	0 2
M26	5 11	25 18	2 11	7 38	2 21	0 28	5 29	16 43	1 18	23 13	0 18	21 39	1 4	5 37	0 48	5 23	1 49	25 20	9 31	19 2	19 24	22 43	10 16	0 2
T 27	5 34	26 45	3 16	7 12	2 25	0 13	5 15	16 29	1 18	23 13	0 18	21 40	1 4	5 38	0 48	5 23	1 49	25 20	9 32	19 2	19 23	22 45	10 17	0 2
W28	5 56	26 27	4 9	6 45	2 29	0s 2	5 2	16 16	1 19	23 13	0 18	21 40	1 4	5 39	0 48	5 22	1 49	25 20	9 32	19 2	19 23	22 47	10 19	0 3
T 29	6 19	24 31	4 46	6 16	2 32	0 15	4 49	16 2	1 20	23 13	0 18	21 41	1 4	5 40	0 48	5 21	1 49	25 20	9 32	19 2	19 22	22 48	10 20	0 3
F 30	6 42	21 13	5 7	5 46	2 34	0 28	4 35	15 48	1 20	23 13	0 18	21 42	1 4	5 41	0 48	5 21	1 49	25 20	9 33	19 1	19 21	22 50	10 21	0 3
S 31	7n 4	16s52	5s10	5s15	2s36	0s40	4n22	15s34	1s21	23s13	0n17	21n43	1s 3	5n42	0n48	5s20	1n49	25s20	9s33	19n 0	19n20	22n52	10n23	0s 3

Julian Day Number = 2194481.5, Delta T = 10m30s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'27, Lahiri = 14°02'27 Julian Calendar 1 March 1296 == Greg. Calendar 8 March 1296

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ASTRODIENST EPHEMERIS for the year 1296
geocentric

APRIL 1296 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	13 8 18	18♈56'03	11♓39	24♓14	18♓16	22♒35	2♑23	15♊47	17°R28	17°R48	15♒34	24°R32	25♉59	8♊28	27♈ 0	S 1
M 2	13 12 14	19°54'36	24°32	25°41	18°22	23°20	2°24	15°52	17♍26	17♎46	15°35	24♉26	25°56	8°35	27° 4	M 2
T 3	13 16 11	20°53'06	7♈12	27°10	18°30	24° 5	2°26	15°58	17°24	17°44	15°36	24°21	25°53	8°41	27° 8	T 3
W 4	13 20 7	21°51'35	19°40	28°41	18°40	24°51	2°28	16° 4	17°22	17°43	15°36	24°16	25°49	8°48	27°12	W 4
T 5	13 24 4	22°50'02	1♉55	0♈14	18°53	25°36	2°29	16° 9	17°20	17°41	15°37	24°12	25°46	8°55	27°16	T 5
F 6	13 28 1	23°48'27	14° 0	1°48	19° 7	26°21	2°30	16°15	17°18	17°40	15°38	24°10	25°43	9° 1	27°20	F 6
S 7	13 31 57	24°46'50	25°56	3°25	19°24	27° 7	2°31	16°21	17°16	17°38	15°39	24°D10	25°40	9° 8	27°23	S 7
S 8	13 35 54	25°45'11	7♊46	5° 3	19°42	27°52	2°32	16°27	17°14	17°36	15°40	24°11	25°37	9°15	27°27	S 8
M 9	13 39 50	26°43'30	19°33	6°42	20° 3	28°37	2°33	16°33	17°12	17°35	15°41	24°12	25°33	9°21	27°31	M 9
T 10	13 43 47	27°41'47	1♋22	8°24	20°25	29°23	2°33	16°39	17°11	17°33	15°41	24°14	25°30	9°28	27°35	T 10
W11	13 47 43	28°40'02	13°16	10° 7	20°48	0♓ 8	2°33	16°45	17° 9	17°31	15°42	24°15	25°27	9°35	27°39	W11
T 12	13 51 40	29°38'15	25°21	11°52	21°14	0°53	2°R33	16°51	17° 7	17°30	15°43	24°R16	25°24	9°41	27°43	T 12
F 13	13 55 36	0♉36'26	7♌42	13°39	21°41	1°38	2°33	16°57	17° 6	17°28	15°43	24°16	25°21	9°48	27°47	F 13
S 14	13 59 33	1°34'35	20°22	15°28	22° 9	2°24	2°33	17° 3	17° 4	17°27	15°44	24°15	25°18	9°55	27°51	S 14
S 15	14 3 30	2°32'42	3♍26	17°18	22°40	3° 9	2°32	17°10	17° 2	17°25	15°45	24°13	25°14	10° 1	27°55	S 15
M16	14 7 26	3°30'47	16°55	19°10	23°11	3°54	2°31	17°16	17° 1	17°24	15°45	24°10	25°11	10° 8	27°58	M16
T 17	14 11 23	4°28'50	0♎51	21° 4	23°44	4°39	2°30	17°22	16°59	17°22	15°46	24° 7	25° 8	10°15	28° 2	T 17
W18	14 15 19	5°26'51	15°12	23° 0	24°18	5°24	2°29	17°29	16°58	17°20	15°46	24° 5	25° 5	10°21	28° 6	W18
T 19	14 19 16	6°24'50	29°53	24°58	24°54	6°10	2°28	17°36	16°56	17°19	15°47	24° 3	25° 2	10°28	28°10	T 19
F 20	14 23 12	7°22'48	14♏47	26°57	25°30	6°55	2°27	17°42	16°55	17°17	15°47	24° 2	24°58	10°34	28°14	F 20
S 21	14 27 9	8°20'44	29°46	28°58	26° 8	7°40	2°25	17°49	16°54	17°16	15°48	24°D 2	24°55	10°41	28°18	S 21
S 22	14 31 5	9°18'38	14♐43	1♉ 1	26°47	8°25	2°23	17°55	16°52	17°14	15°48	24° 3	24°52	10°48	28°21	S 22
M23	14 35 2	10°16'32	29°30	3° 5	27°28	9°10	2°21	18° 2	16°51	17°13	15°49	24° 4	24°49	10°54	28°25	M23
T 24	14 38 59	11°14'24	14♑ 1	5°11	28° 9	9°55	2°19	18° 9	16°50	17°11	15°49	24° 5	24°46	11° 1	28°29	T 24
W25	14 42 55	12°12'15	28°12	7°18	28°51	10°40	2°16	18°16	16°49	17°10	15°49	24° 5	24°43	11° 8	28°33	W25
T 26	14 46 52	13°10'04	12♒ 3	9°26	29°34	11°25	2°14	18°23	16°48	17° 9	15°50	24°R 6	24°39	11°14	28°37	T 26
F 27	14 50 48	14° 7'53	25°32	11°36	0♈19	12°10	2°11	18°30	16°47	17° 7	15°50	24° 5	24°36	11°21	28°41	F 27
S 28	14 54 45	15° 5'40	8♓41	13°46	1° 4	12°55	2° 8	18°37	16°46	17° 6	15°50	24° 5	24°33	11°28	28°44	S 28
S 29	14 58 41	16° 3'26	21°33	15°57	1°50	13°40	2° 5	18°44	16°45	17° 4	15°51	24° 4	24°30	11°34	28°48	S 29
M30	15 2 38	17♉ 1'11	4♈ 9	18♉ 8	2♈36	14♓25	2♑ 2	18♊51	16♍44	17♎ 3	15♒51	24♉ 3	24♉27	11♊41	28♈52	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7n27	11s48	4s57	4s42	2s37	0s51	4n 9	15s20	1s22	23s13	0n17	21n43	1s 3	5n42	0n48	5s20	1n49	25s20	9s33	18n59	19n20	22n54	10n24	0s 3
M 2	7 49	6 18	4 29	4 8	2 38	1 0	3 56	15 6	1 23	23 13	0 17	21 44	1 3	5 43	0 48	5 19	1 49	25 20	9 33	18 57	19 19	22 56	10 25	0 3
T 3	8 11	0 38	3 49	3 32	2 38	1 9	3 43	14 51	1 23	23 13	0 17	21 45	1 3	5 44	0 48	5 18	1 49	25 20	9 34	18 56	19 18	22 58	10 27	0 3
W 4	8 33	4n59	2 58	2 56	2 37	1 17	3 30	14 37	1 24	23 13	0 17	21 46	1 3	5 45	0 48	5 18	1 49	25 20	9 34	18 55	19 17	23 0	10 28	0 3
T 5	8 55	10 20	1 59	2 18	2 37	1 23	3 17	14 22	1 25	23 13	0 17	21 46	1 3	5 45	0 48	5 17	1 49	25 20	9 34	18 54	19 17	23 2	10 29	0 3
F 6	9 16	15 13	0 55	1 39	2 35	1 29	3 5	14 7	1 25	23 13	0 17	21 47	1 2	5 46	0 48	5 16	1 49	25 20	9 34	18 53	19 16	23 4	10 31	0 3
S 7	9 38	19 28	0n10	0 59	2 33	1 34	2 53	13 52	1 26	23 14	0 17	21 48	1 2	5 47	0 48	5 16	1 49	25 20	9 35	18 53	19 15	23 6	10 32	0 3
S 8	9 59	22 54	1 14	0 17	2 31	1 38	2 41	13 37	1 27	23 14	0 17	21 49	1 2	5 48	0 48	5 15	1 49	25 20	9 35	18 53	19 14	23 7	10 33	0 3
M 9	10 21	25 22	2 15	0n25	2 27	1 41	2 29	13 22	1 27	23 14	0 17	21 49	1 2	5 48	0 48	5 15	1 49	25 20	9 35	18 54	19 13	23 9	10 35	0 3
T 10	10 42	26 42	3 11	1 8	2 24	1 42	2 17	13 6	1 28	23 14	0 17	21 50	1 2	5 49	0 48	5 14	1 49	25 20	9 36	18 54	19 13	23 11	10 36	0 4
W11	11 3	26 49	3 58	1 53	2 20	1 44	2 6	12 51	1 29	23 14	0 17	21 51	1 2	5 50	0 48	5 13	1 49	25 20	9 36	18 54	19 12	23 13	10 37	0 4
T 12	11 23	25 40	4 36	2 38	2 15	1 44	1 55	12 35	1 29	23 14	0 17	21 52	1 1	5 50	0 48	5 13	1 49	25 20	9 36	18 55	19 11	23 15	10 39	0 4
F 13	11 44	23 17	5 2	3 25	2 10	1 43	1 44	12 20	1 30	23 14	0 17	21 52	1 1	5 51	0 48	5 12	1 49	25 20	9 37	18 55	19 10	23 17	10 40	0 4
S 14	12 4	19 43	5 14	4 12	2 4	1 41	1 34	12 4	1 31	23 14	0 16	21 53	1 1	5 52	0 48	5 12	1 49	25 20	9 37	18 54	19 10	23 19	10 41	0 4
S 15	12 24	15 7	5 11	5 0	1 58	1 39	1 23	11 48	1 31	23 14	0 16	21 54	1 1	5 52	0 48	5 11	1 49	25 20	9 37	18 54	19 9	23 20	10 43	0 4
M16	12 44	9 39	4 51	5 49	1 51	1 36	1 13	11 32	1 32	23 14	0 16	21 55	1 1	5 53	0 48	5 10	1 49	25 20	9 37	18 53	19 8	23 22	10 44	0 4
T 17	13 4	3 32	4 13	6 39	1 44	1 32	1 3	11 16	1 32	23 14	0 16	21 55	1 1	5 53	0 48	5 10	1 49	25 20	9 38	18 53	19 7	23 24	10 45	0 4
W18	13 23	2s57	3 18	7 29	1 37	1 27	0 54	11 0	1 33	23 14	0 16	21 56	1 0	5 54	0 48	5 9	1 49	25 20	9 38	18 52	19 7	23 26	10 47	0 4
T 19	13 43	9 27	2 10	8 20	1 29	1 21	0 45	10 44	1 34	23 15	0 16	21 57	1 0	5 54	0 47	5 9	1 49	25 21	9 38	18 51	19 6	23 28	10 48	0 4
F 20	14 2	15 31	0 51	9 11	1 20	1 15	0 35	10 28	1 34	23 15	0 16	21 58	1 0	5 55	0 47	5 8	1 49	25 21	9 39	18 51	19 5	23 30	10 49	0 4
S 21	14 20	20 42	0s32	10 3	1 11	1 8	0 27	10 12	1 35	23 15	0 16	21 58	1 0	5 55	0 47	5 7	1 49	25 21	9 39	18 51	19 4	23 31	10 50	0 4
S 22	14 39	24 31	1 52	10 54	1 2	1 0	0 18	9 55	1 35	23 15	0 16	21 59	1 0	5 56	0 47	5 7	1 49	25 21	9 39	18 51	19 4	23 33	10 52	0 4
M23	14 57	26 36	3 4	11 46	0 52	0 52	0 10	9 39	1 36	23 15	0 16	22 0	1 0	5 56	0 47	5 6	1 49	25 21	9 40	18 52	19 3	23 35	10 53	0 4
T 24	15 16	26 49	4 3	12 38	0 42	0 43	0 1	9 22	1 37	23 15	0 16	22 1	1 0	5 57	0 47	5 6	1 49	25 21	9 40	18 52	19 2	23 37	10 54	0 5
W25	15 33	25 15	4 45	13 30	0 32	0 33	0s 6	9 6	1 37	23 15	0 15	22 1	0 59	5 57	0 47	5 5	1 49	25 21	9 40	18 52	19 1	23 38	10 56	0 5
T 26	15 51	22 12	5 10	14 21	0 22	0 23	0 14	8 49	1 38	23 15	0 15	22 2	0 59	5 57	0 47	5 5	1 49	25 22	9 40	18 52	19 0	23 40	10 57	0 5
F 27	16 8	18 1	5 17	15 11	0 11	0 12	0 21	8 32	1 38	23 16	0 15	22 3	0 59	5 58	0 47	5 4	1 49	25 22	9 41	18 52	19 0	23 42	10 58	0 5
S 28	16 26	13 5	5 7	16 1	0 1	0 1	0 29	8 15	1 39	23 16	0 15	22 4	0 59	5 58	0 47	5 4	1 49	25 22	9 41	18 52	18 59	23 44	11 0	0 5
S 29	16 42	7 40	4 41	16 50	0n10	0n11	0 36	7 58	1 39	23 16	0 15	22 4	0 59	5 58	0 47	5 3	1 49	25 22	9 41	18 52	18 58	23 46	11 1	0 5
M30	16n59	2s 3	4s 3	17n37	0n20	0n24	0s42	7s42	1s40	23s16	0n15	22n 5	0s59	5n59	0n47	5s 3	1n49	25s23	9s42	18n51	18n57	23n47	11n 2	0s 5

Julian Day Number = 2194512.5, Delta T = 10m30s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'31, Lahiri = 14°02'32 Julian Calendar 1 Apr. 1296 == Greg. Calendar 8 Apr. 1296

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ASTRODIENST EPHEMERIS for the year 1296
geocentric

MAY 1296 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 6 34	17♉58'54	16♈31	20♉19	3♈24	15♓10	1°R58	18♊58	16°R43	17°R 2	15♒51	24°R 2	24♉24	11♊48	28♈56	T 1
W 2	15 10 31	18°56'37	28°43	22°31	4°12	15°54	1♑55	19° 5	16♍42	17♎ 0	15°51	24♉ 2	24°20	11°54	28°59	W 2
T 3	15 14 28	19°54'18	10♉45	24°41	5° 1	16°39	1°51	19°12	16°41	16°59	15°51	24° 1	24°17	12° 1	29° 3	T 3
F 4	15 18 24	20°51'58	22°41	26°51	5°51	17°24	1°47	19°19	16°41	16°58	15°52	24°D 1	24°14	12° 8	29° 7	F 4
S 5	15 22 21	21°49'36	4♊31	29° 1	6°42	18° 9	1°43	19°27	16°40	16°56	15°52	24° 1	24°11	12°14	29°10	S 5
S 6	15 26 17	22°47'14	16°19	1♊ 9	7°33	18°53	1°38	19°34	16°40	16°55	15°52	24° 1	24° 8	12°21	29°14	S 6
M 7	15 30 14	23°44'50	28° 7	3°15	8°24	19°38	1°34	19°41	16°39	16°54	15°52	24°R 1	24° 4	12°28	29°18	M 7
T 8	15 34 10	24°42'25	9♋57	5°20	9°17	20°22	1°29	19°48	16°39	16°53	15°52	24° 1	24° 1	12°34	29°21	T 8
W 9	15 38 7	25°39'58	21°53	7°23	10°10	21° 7	1°25	19°56	16°38	16°51	15°R52	24° 1	23°58	12°41	29°25	W 9
T 10	15 42 3	26°37'30	4♌ 0	9°23	11° 3	21°51	1°20	20° 3	16°38	16°50	15°52	24° 1	23°55	12°48	29°28	T 10
F 11	15 46 0	27°35'01	16°19	11°22	11°57	22°36	1°15	20°11	16°37	16°49	15°52	24° 1	23°52	12°54	29°32	F 11
S 12	15 49 57	28°32'30	28°57	13°18	12°52	23°20	1° 9	20°18	16°37	16°48	15°52	24°D 1	23°49	13° 1	29°35	S 12
S 13	15 53 53	29°29'58	11♍56	15°12	13°47	24° 4	1° 4	20°26	16°37	16°47	15°52	24° 1	23°45	13° 7	29°39	S 13
M14	15 57 50	0♊27'24	25°19	17° 3	14°42	24°49	0°58	20°33	16°37	16°46	15°52	24° 1	23°42	13°14	29°42	M14
T 15	16 1 46	1°24'49	9♎ 9	18°52	15°38	25°33	0°53	20°41	16°37	16°45	15°51	24° 2	23°39	13°21	29°46	T 15
W16	16 5 43	2°22'13	23°25	20°38	16°34	26°17	0°47	20°48	16°37	16°44	15°51	24° 2	23°36	13°27	29°49	W16
T 17	16 9 39	3°19'36	8♏ 5	22°21	17°31	27° 1	0°41	20°56	16°D37	16°43	15°51	24° 3	23°33	13°34	29°53	T 17
F 18	16 13 36	4°16'58	23° 4	24° 2	18°29	27°45	0°35	21° 4	16°37	16°42	15°51	24°R 3	23°30	13°41	29°56	F 18
S 19	16 17 32	5°14'19	8♐14	25°40	19°26	28°29	0°29	21°11	16°37	16°41	15°51	24° 3	23°26	13°47	29°59	S 19
S 20	16 21 29	6°11'39	23°26	27°15	20°24	29°13	0°23	21°19	16°37	16°40	15°50	24° 2	23°23	13°54	0♉ 3	S 20
M21	16 25 26	7° 8'59	8♑30	28°48	21°23	29°57	0°16	21°27	16°37	16°39	15°50	24° 1	23°20	14° 1	0° 6	M21
T 22	16 29 22	8° 6'18	23°18	0♋17	22°22	0♈41	0°10	21°34	16°37	16°38	15°50	23°59	23°17	14° 7	0° 9	T 22
W23	16 33 19	9° 3'36	7♒43	1°44	23°21	1°25	0° 3	21°42	16°38	16°37	15°49	23°58	23°14	14°14	0°12	W23
T 24	16 37 15	10° 0'54	21°43	3° 8	24°21	2° 9	29♐56	21°50	16°38	16°36	15°49	23°56	23°10	14°21	0°16	T 24
F 25	16 41 12	10°58'11	5♓17	4°29	25°20	2°52	29°50	21°57	16°38	16°35	15°49	23°D56	23° 7	14°27	0°19	F 25
S 26	16 45 8	11°55'28	18°25	5°47	26°21	3°36	29°43	22° 5	16°39	16°35	15°48	23°56	23° 4	14°34	0°22	S 26
S 27	16 49 5	12°52'45	1♈11	7° 2	27°21	4°20	29°36	22°13	16°39	16°34	15°48	23°56	23° 1	14°41	0°25	S 27
M28	16 53 2	13°50'01	13°38	8°14	28°22	5° 3	29°29	22°21	16°40	16°33	15°47	23°58	22°58	14°47	0°28	M28
T 29	16 56 58	14°47'17	25°50	9°23	29°23	5°46	29°22	22°29	16°40	16°32	15°47	23°59	22°55	14°54	0°31	T 29
W30	17 0 55	15°44'33	7♉51	10°28	0♉25	6°30	29°14	22°36	16°41	16°32	15°46	24° 1	22°51	15° 1	0°34	W30
T 31	17 4 51	16♊41'48	19♉44	11♋31	1♉27	7♈13	29♐ 7	22♊44	16♍42	16♎31	15♒46	24°R 1	22♉48	15♊ 7	0♉37	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n15	3n33	3s14	18n23	0n31	0n37	0s49	7s25	1s40	23s16	0n15	22n 6	0s59	5n59	0n47	5s 2	1n49	25s23	9s42	18n51	18n57	23n49	11n 3	0s 5
W 2	17 31	8 56	2 16	19 8	0 41	0 50	0 55	7 8	1 41	23 16	0 15	22 7	0 58	5 59	0 47	5 2	1 49	25 23	9 42	18 51	18 56	23 51	11 5	0 5
T 3	17 47	13 57	1 13	19 50	0 51	1 4	1 1	6 51	1 41	23 16	0 15	22 7	0 58	6 0	0 47	5 1	1 49	25 23	9 43	18 51	18 55	23 53	11 6	0 5
F 4	18 2	18 24	0 7	20 30	1 0	1 18	1 7	6 34	1 42	23 17	0 15	22 8	0 58	6 0	0 47	5 1	1 49	25 23	9 43	18 51	18 54	23 54	11 7	0 5
S 5	18 18	22 5	0n58	21 9	1 9	1 33	1 13	6 16	1 42	23 17	0 15	22 9	0 58	6 0	0 47	5 0	1 49	25 24	9 43	18 51	18 53	23 56	11 8	0 5
S 6	18 32	24 50	2 1	21 44	1 18	1 48	1 18	5 59	1 43	23 17	0 14	22 9	0 58	6 0	0 47	5 0	1 49	25 24	9 44	18 51	18 53	23 58	11 9	0 5
M 7	18 47	26 29	2 58	22 18	1 26	2 4	1 24	5 42	1 43	23 17	0 14	22 10	0 58	6 0	0 47	4 59	1 49	25 24	9 44	18 51	18 52	23 59	11 11	0 6
T 8	19 1	26 57	3 48	22 48	1 34	2 20	1 29	5 25	1 44	23 17	0 14	22 11	0 58	6 1	0 47	4 59	1 49	25 25	9 44	18 51	18 51	24 1	11 12	0 6
W 9	19 15	26 10	4 29	23 17	1 41	2 36	1 33	5 8	1 44	23 17	0 14	22 11	0 58	6 1	0 47	4 59	1 49	25 25	9 45	18 51	18 50	24 3	11 13	0 6
T 10	19 29	24 10	4 58	23 42	1 47	2 53	1 38	4 51	1 45	23 18	0 14	22 12	0 57	6 1	0 47	4 58	1 49	25 25	9 45	18 51	18 49	24 4	11 14	0 6
F 11	19 42	21 0	5 15	24 5	1 52	3 10	1 43	4 33	1 45	23 18	0 14	22 13	0 57	6 1	0 47	4 58	1 49	25 25	9 45	18 51	18 49	24 6	11 15	0 6
S 12	19 55	16 49	5 16	24 25	1 57	3 27	1 47	4 16	1 45	23 18	0 14	22 13	0 57	6 1	0 47	4 57	1 49	25 26	9 45	18 51	18 48	24 8	11 17	0 6
S 13	20 7	11 46	5 2	24 43	2 1	3 45	1 51	3 59	1 46	23 18	0 14	22 14	0 57	6 1	0 47	4 57	1 49	25 26	9 46	18 51	18 47	24 10	11 18	0 6
M14	20 20	6 1	4 32	24 58	2 4	4 3	1 55	3 42	1 46	23 18	0 14	22 15	0 57	6 1	0 46	4 57	1 48	25 26	9 46	18 51	18 46	24 11	11 19	0 6
T 15	20 31	0s12	3 44	25 10	2 7	4 21	1 59	3 24	1 47	23 18	0 13	22 15	0 57	6 1	0 46	4 56	1 48	25 27	9 46	18 51	18 45	24 13	11 20	0 6
W16	20 43	6 37	2 42	25 20	2 9	4 39	2 2	3 7	1 47	23 18	0 13	22 16	0 57	6 1	0 46	4 56	1 48	25 27	9 47	18 51	18 45	24 15	11 21	0 6
T 17	20 54	12 53	1 28	25 28	2 10	4 58	2 6	2 50	1 47	23 19	0 13	22 17	0 57	6 1	0 46	4 55	1 48	25 27	9 47	18 51	18 44	24 16	11 22	0 6
F 18	21 5	18 31	0 5	25 34	2 10	5 17	2 9	2 33	1 48	23 19	0 13	22 17	0 57	6 1	0 46	4 55	1 48	25 28	9 47	18 52	18 43	24 18	11 23	0 6
S 19	21 15	23 3	1s18	25 37	2 9	5 36	2 12	2 15	1 48	23 19	0 13	22 18	0 56	6 1	0 46	4 55	1 48	25 28	9 48	18 51	18 42	24 19	11 25	0 7
S 20	21 26	25 58	2 36	25 38	2 8	5 55	2 15	1 58	1 49	23 19	0 13	22 19	0 56	6 1	0 46	4 54	1 48	25 29	9 48	18 51	18 42	24 21	11 26	0 7
M21	21 35	26 57	3 42	25 38	2 6	6 15	2 18	1 41	1 49	23 19	0 13	22 19	0 56	6 1	0 46	4 54	1 48	25 29	9 48	18 51	18 41	24 23	11 27	0 7
T 22	21 45	25 59	4 32	25 35	2 3	6 34	2 20	1 24	1 49	23 19	0 13	22 20	0 56	6 1	0 46	4 54	1 48	25 29	9 48	18 51	18 40	24 24	11 28	0 7
W23	21 54	23 18	5 4	25 31	2 0	6 54	2 22	1 6	1 50	23 19	0 12	22 20	0 56	6 0	0 46	4 54	1 48	25 30	9 49	18 50	18 39	24 26	11 29	0 7
T 24	22 2	19 18	5 16	25 25	1 56	7 14	2 25	0 49	1 50	23 20	0 12	22 21	0 56	6 0	0 46	4 53	1 48	25 30	9 49	18 50	18 38	24 28	11 30	0 7
F 25	22 11	14 25	5 10	25 18	1 51	7 34	2 27	0 32	1 50	23 20	0 12	22 21	0 56	6 0	0 46	4 53	1 48	25 30	9 49	18 50	18 38	24 29	11 31	0 7
S 26	22 18	9 1	4 48	25 9	1 45	7 54	2 29	0 15	1 50	23 20	0 12	22 22	0 56	6 0	0 46	4 53	1 48	25 31	9 50	18 50	18 37	24 31	11 32	0 7
S 27	22 26	3 23	4 12	24 59	1 38	8 14	2 30	0n 2	1 51	23 20	0 12	22 23	0 56	6 0	0 46	4 53	1 48	25 31	9 50	18 50	18 36	24 32	11 33	0 7
M28	22 33	2n15	3 25	24 48	1 31	8 34	2 32	0 19	1 51	23 20	0 12	22 23	0 56	5 59	0 46	4 52	1 48	25 32	9 50	18 50	18 35	24 34	11 34	0 7
T 29	22 40	7 42	2 29	24 35	1 23	8 54	2 34	0 36	1 51	23 20	0 12	22 24	0 55	5 59	0 46	4 52	1 48	25 32	9 51	18 51	18 34	24 36	11 35	0 7
W30	22 46	12 47	1 28	24 22	1 15	9 15	2 35	0 53	1 51	23 20	0 12	22 24	0 55	5 59	0 46	4 52	1 48	25 33	9 51	18 51	18 33	24 37	11 36	0 7
T 31	22n52	17n22	0s24	24n 7	1n 6	9n35	2s36	1n10	1s52	23s20	0n11	22n25	0s55	5n58	0n46	4s52	1n48	25s33	9s51	18n51	18n33	24n39	11n37	0s 7

Julian Day Number = 2194542.5, Delta T = 10m30s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'35, Lahiri = 14°02'36 Julian Calendar 1 May 1296 == Greg. Calendar 8 May 1296

created from Swiss Ephemeris, Copyright Astrodienst AG [1.5.2023]

ASTRODIENST EPHEMERIS for the year 1296
geocentric

JUNE 1296 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	17 8 48	17♊39'03	1♊33	12♋30	2♉29	7♈56	29°R 0	22♊52	16♍43	16°R31	15°R45	24°R 1	22♉45	15♊14	0♉40	F 1
S 2	17 12 44	18°36'17	13°21	13°26	3°31	8°39	28♐52	23° 0	16°44	16♎30	15♒45	24♉ 0	22°42	15°21	0°43	S 2
S 3	17 16 41	19°33'31	25° 9	14°18	4°33	9°22	28°45	23° 8	16°44	16°29	15°44	23°57	22°39	15°27	0°46	S 3
M 4	17 20 37	20°30'45	7♋ 0	15° 7	5°36	10° 5	28°37	23°16	16°45	16°29	15°43	23°54	22°36	15°34	0°49	M 4
T 5	17 24 34	21°27'59	18°55	15°52	6°39	10°48	28°30	23°23	16°46	16°28	15°43	23°49	22°32	15°41	0°51	T 5
W 6	17 28 31	22°25'12	0♌58	16°33	7°42	11°31	28°22	23°31	16°47	16°28	15°42	23°44	22°29	15°47	0°54	W 6
T 7	17 32 27	23°22'24	13°10	17°11	8°46	12°14	28°14	23°39	16°48	16°28	15°41	23°40	22°26	15°54	0°57	T 7
F 8	17 36 24	24°19'36	25°34	17°44	9°50	12°56	28° 7	23°47	16°50	16°27	15°41	23°36	22°23	16° 1	1° 0	F 8
S 9	17 40 20	25°16'47	8♍13	18°13	10°53	13°39	27°59	23°55	16°51	16°27	15°40	23°33	22°20	16° 7	1° 2	S 9
S 10	17 44 17	26°13'58	21° 9	18°38	11°57	14°21	27°52	24° 3	16°52	16°26	15°39	23°D32	22°16	16°14	1° 5	S 10
M11	17 48 13	27°11'09	4♎26	18°58	13° 2	15° 4	27°44	24°10	16°53	16°26	15°39	23°32	22°13	16°21	1° 7	M11
T 12	17 52 10	28° 8'19	18° 7	19°14	14° 6	15°46	27°36	24°18	16°55	16°26	15°38	23°33	22°10	16°27	1°10	T 12
W13	17 56 6	29° 5'29	2♏12	19°26	15°11	16°28	27°28	24°26	16°56	16°26	15°37	23°35	22° 7	16°34	1°12	W13
T 14	18 0 3	0♋ 2'38	16°40	19°32	16°16	17°10	27°21	24°34	16°58	16°25	15°36	23°R36	22° 4	16°40	1°15	T 14
F 15	18 4 0	0°59'47	1♐30	19°R34	17°21	17°52	27°13	24°42	16°59	16°25	15°35	23°36	22° 1	16°47	1°17	F 15
S 16	18 7 56	1°56'56	16°35	19°32	18°26	18°34	27° 5	24°50	17° 1	16°25	15°34	23°34	21°57	16°54	1°19	S 16
S 17	18 11 53	2°54'06	1♑46	19°25	19°31	19°16	26°58	24°57	17° 2	16°25	15°34	23°31	21°54	17° 0	1°22	S 17
M18	18 15 49	3°51'15	16°55	19°13	20°37	19°58	26°50	25° 5	17° 4	16°25	15°33	23°26	21°51	17° 7	1°24	M18
T 19	18 19 46	4°48'24	1♒52	18°57	21°43	20°39	26°43	25°13	17° 5	16°25	15°32	23°20	21°48	17°14	1°26	T 19
W20	18 23 42	5°45'34	16°27	18°36	22°49	21°21	26°35	25°21	17° 7	16°D25	15°31	23°14	21°45	17°20	1°28	W20
T 21	18 27 39	6°42'44	0♓36	18°12	23°55	22° 2	26°28	25°28	17° 9	16°25	15°30	23° 8	21°42	17°27	1°30	T 21
F 22	18 31 35	7°39'54	14°16	17°44	25° 1	22°43	26°20	25°36	17°11	16°25	15°29	23° 4	21°38	17°34	1°32	F 22
S 23	18 35 32	8°37'05	27°28	17°12	26° 8	23°25	26°13	25°44	17°13	16°25	15°28	23° 2	21°35	17°40	1°34	S 23
S 24	18 39 29	9°34'16	10♈15	16°38	27°14	24° 6	26° 6	25°52	17°15	16°25	15°27	23°D 1	21°32	17°47	1°36	S 24
M25	18 43 25	10°31'28	22°40	16° 1	28°21	24°47	25°58	25°59	17°17	16°25	15°26	23° 2	21°29	17°54	1°38	M25
T 26	18 47 22	11°28'40	4♉48	15°23	29°28	25°27	25°51	26° 7	17°19	16°25	15°25	23° 3	21°26	18° 0	1°40	T 26
W27	18 51 18	12°25'53	16°44	14°43	0♊35	26° 8	25°44	26°15	17°21	16°26	15°24	23° 4	21°22	18° 7	1°42	W27
T 28	18 55 15	13°23'07	28°34	14° 3	1°42	26°49	25°37	26°22	17°23	16°26	15°23	23°R 4	21°19	18°14	1°44	T 28
F 29	18 59 11	14°20'22	10♊21	13°24	2°49	27°29	25°30	26°30	17°25	16°26	15°22	23° 2	21°16	18°20	1°45	F 29
S 30	19 3 8	15♋17'37	22♊ 8	12♋45	3♊57	28♈10	25♐23	26♊38	17♍27	16♎26	15♒21	22♉59	21♉13	18♊27	1♉47	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	22n57	21n14	0n41	23n52	0n56	9n55	2s37	1n27	1s52	23s20	0n11	22n25	0s55	5n58	0n46	4s51	1n48	25s33	9s51	18n51	18n32	24n40	11n38	0s 8
S 2	23 2	24 13	1 44	23 36	0 46	10 15	2 38	1 44	1 52	23 20	0 11	22 26	0 55	5 58	0 46	4 51	1 48	25 34	9 52	18 51	18 31	24 42	11 39	0 8
S 3	23 7	26 9	2 43	23 20	0 35	10 36	2 39	2 1	1 52	23 20	0 11	22 26	0 55	5 57	0 46	4 51	1 48	25 34	9 52	18 50	18 30	24 43	11 40	0 8
M 4	23 11	26 55	3 34	23 3	0 23	10 56	2 39	2 17	1 52	23 21	0 11	22 27	0 55	5 57	0 46	4 51	1 48	25 35	9 52	18 49	18 29	24 45	11 41	0 8
T 5	23 15	26 26	4 17	22 46	0 11	11 16	2 40	2 34	1 53	23 21	0 11	22 27	0 55	5 56	0 46	4 51	1 47	25 35	9 52	18 48	18 29	24 46	11 42	0 8
W 6	23 19	24 43	4 49	22 28	0s 2	11 36	2 40	2 51	1 53	23 21	0 11	22 28	0 55	5 56	0 45	4 51	1 47	25 36	9 53	18 47	18 28	24 48	11 42	0 8
T 7	23 22	21 50	5 7	22 10	0 15	11 56	2 41	3 7	1 53	23 21	0 11	22 28	0 55	5 55	0 45	4 51	1 47	25 36	9 53	18 46	18 27	24 49	11 43	0 8
F 8	23 25	17 57	5 12	21 52	0 29	12 16	2 41	3 24	1 53	23 21	0 10	22 29	0 55	5 55	0 45	4 51	1 47	25 37	9 53	18 45	18 26	24 51	11 44	0 8
S 9	23 27	13 12	5 3	21 34	0 43	12 36	2 41	3 40	1 53	23 21	0 10	22 29	0 54	5 55	0 45	4 50	1 47	25 37	9 54	18 44	18 25	24 52	11 45	0 8
S 10	23 29	7 46	4 37	21 17	0 58	12 56	2 41	3 56	1 53	23 21	0 10	22 29	0 54	5 54	0 45	4 50	1 47	25 38	9 54	18 44	18 25	24 54	11 46	0 8
M11	23 30	1 51	3 57	20 59	1 13	13 16	2 40	4 13	1 53	23 21	0 10	22 30	0 54	5 53	0 45	4 50	1 47	25 38	9 54	18 44	18 24	24 55	11 47	0 8
T 12	23 31	4s20	3 2	20 42	1 28	13 35	2 40	4 29	1 54	23 21	0 10	22 30	0 54	5 53	0 45	4 50	1 47	25 39	9 54	18 44	18 23	24 57	11 47	0 8
W13	23 32	10 30	1 54	20 25	1 43	13 54	2 40	4 45	1 54	23 21	0 10	22 31	0 54	5 52	0 45	4 50	1 47	25 39	9 55	18 44	18 22	24 58	11 48	0 9
T 14	23 32	16 17	0 38	20 8	1 59	14 14	2 39	5 1	1 54	23 21	0 10	22 31	0 54	5 52	0 45	4 50	1 47	25 40	9 55	18 45	18 21	25 0	11 49	0 9
F 15	23 32	21 14	0s43	19 53	2 15	14 33	2 38	5 17	1 54	23 21	0 9	22 32	0 54	5 51	0 45	4 50	1 47	25 40	9 55	18 45	18 20	25 1	11 50	0 9
S 16	23 31	24 52	2 2	19 38	2 30	14 51	2 38	5 33	1 54	23 21	0 9	22 32	0 54	5 50	0 45	4 50	1 47	25 41	9 55	18 44	18 20	25 3	11 50	0 9
S 17	23 30	26 44	3 13	19 23	2 46	15 10	2 37	5 49	1 54	23 21	0 9	22 32	0 54	5 50	0 45	4 50	1 47	25 41	9 56	18 43	18 19	25 4	11 51	0 9
M18	23 29	26 35	4 9	19 10	3 1	15 28	2 36	6 5	1 54	23 21	0 9	22 33	0 54	5 49	0 45	4 50	1 47	25 42	9 56	18 42	18 18	25 6	11 52	0 9
T 19	23 27	24 30	4 48	18 58	3 15	15 46	2 35	6 20	1 54	23 21	0 9	22 33	0 54	5 48	0 45	4 50	1 47	25 42	9 56	18 41	18 17	25 7	11 53	0 9
W20	23 24	20 51	5 7	18 46	3 30	16 4	2 34	6 36	1 54	23 21	0 9	22 33	0 54	5 48	0 45	4 50	1 47	25 43	9 56	18 39	18 16	25 9	11 53	0 9
T 21	23 22	16 5	5 7	18 36	3 43	16 22	2 32	6 51	1 54	23 21	0 8	22 34	0 54	5 47	0 45	4 50	1 47	25 43	9 56	18 38	18 15	25 10	11 54	0 9
F 22	23 19	10 39	4 49	18 27	3 56	16 39	2 31	7 7	1 54	23 21	0 8	22 34	0 54	5 46	0 45	4 50	1 47	25 44	9 57	18 37	18 15	25 12	11 55	0 9
S 23	23 15	4 55	4 16	18 20	4 8	16 56	2 29	7 22	1 54	23 20	0 8	22 34	0 53	5 45	0 45	4 50	1 47	25 44	9 57	18 36	18 14	25 13	11 55	0 9
S 24	23 11	0n51	3 31	18 13	4 18	17 13	2 28	7 37	1 54	23 20	0 8	22 35	0 53	5 45	0 45	4 51	1 46	25 45	9 57	18 36	18 13	25 14	11 56	0 10
M25	23 7	6 25	2 37	18 8	4 28	17 29	2 26	7 52	1 54	23 20	0 8	22 35	0 53	5 44	0 45	4 51	1 46	25 45	9 57	18 36	18 12	25 16	11 56	0 10
T 26	23 2	11 39	1 37	18 5	4 35	17 46	2 25	8 7	1 54	23 20	0 8	22 35	0 53	5 43	0 45	4 51	1 46	25 46	9 58	18 36	18 11	25 17	11 57	0 10
W27	22 57	16 21	0 34	18 3	4 42	18 1	2 23	8 22	1 54	23 20	0 8	22 35	0 53	5 42	0 45	4 51	1 46	25 46	9 58	18 37	18 10	25 19	11 57	0 10
T 28	22 51	20 24	0n30	18 2	4 47	18 17	2 21	8 37	1 53	23 20	0 7	22 36	0 53	5 41	0 45	4 51	1 46	25 47	9 58	18 37	18 10	25 20	11 58	0 10
F 29	22 45	23 36	1 32	18 3	4 50	18 32	2 19	8 51	1 53	23 20	0 7	22 36	0 53	5 40	0 45	4 51	1 46	25 47	9 58	18 36	18 9	25 21	11 59	0 10
S 30	22n39	25n47	2n30	18n 5	4s52	18n47	2s17	9n 6	1s53	23s20	0n 7	22n36	0s53	5n40	0n45	4s51	1n46	25s48	9s58	18n35	18n 8	25n23	11n59	0s10

Julian Day Number = 2194573.5, Delta T = 10m30s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'40, Lahiri = 14°02'40 Julian Calendar 1 June 1296 == Greg. Calendar 8 June 1296

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ASTRODIENST EPHEMERIS for the year 1296
geocentric

JULY 1296 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	19 7 4	16♋14'52	4♋ 0	12°R 7	5♊ 4	28♈50	25°R16	26♊45	17♍29	16♎27	15°R19	22°R52	21♉10	18♊34	1♉49	S 1
M 2	19 11 1	17°12'09	15°57	11♋32	6°12	29°30	25♐10	26°53	17°32	16°27	15♒18	22♉44	21° 7	18°40	1°50	M 2
T 3	19 14 58	18° 9'25	28° 2	11° 0	7°20	0♉10	25° 3	27° 0	17°34	16°28	15°17	22°35	21° 3	18°47	1°52	T 3
W 4	19 18 54	19° 6'43	10♌16	10°32	8°28	0°50	24°57	27° 8	17°36	16°28	15°16	22°24	21° 0	18°54	1°53	W 4
T 5	19 22 51	20° 4'00	22°40	10° 7	9°36	1°29	24°50	27°15	17°39	16°28	15°15	22°14	20°57	19° 0	1°55	T 5
F 6	19 26 47	21° 1'19	5♍15	9°48	10°44	2° 9	24°44	27°23	17°41	16°29	15°14	22° 5	20°54	19° 7	1°56	F 6
S 7	19 30 44	21°58'37	18° 2	9°33	11°52	2°48	24°38	27°30	17°44	16°29	15°12	21°59	20°51	19°14	1°57	S 7
S 8	19 34 40	22°55'57	1♎ 4	9°23	13° 0	3°27	24°32	27°37	17°46	16°30	15°11	21°54	20°48	19°20	1°58	S 8
M 9	19 38 37	23°53'16	14°21	9°D19	14° 9	4° 6	24°26	27°45	17°49	16°31	15°10	21°52	20°44	19°27	2° 0	M 9
T 10	19 42 33	24°50'36	27°56	9°21	15°18	4°45	24°20	27°52	17°51	16°31	15° 9	21°D52	20°41	19°34	2° 1	T 10
W11	19 46 30	25°47'57	11♏50	9°29	16°26	5°24	24°15	27°59	17°54	16°32	15° 8	21°52	20°38	19°40	2° 2	W11
T 12	19 50 27	26°45'18	26° 4	9°43	17°35	6° 3	24° 9	28° 7	17°57	16°33	15° 6	21°R52	20°35	19°47	2° 3	T 12
F 13	19 54 23	27°42'40	10♐37	10° 4	18°44	6°41	24° 4	28°14	17°59	16°33	15° 5	21°51	20°32	19°54	2° 4	F 13
S 14	19 58 20	28°40'03	25°25	10°31	19°53	7°19	23°59	28°21	18° 2	16°34	15° 4	21°48	20°28	20° 0	2° 5	S 14
S 15	20 2 16	29°37'26	10♑22	11° 4	21° 2	7°58	23°54	28°28	18° 5	16°35	15° 3	21°42	20°25	20° 7	2° 6	S 15
M16	20 6 13	0♌34'50	25°20	11°43	22°12	8°36	23°49	28°35	18° 8	16°36	15° 1	21°33	20°22	20°14	2° 6	M16
T 17	20 10 9	1°32'15	10♒11	12°29	23°21	9°13	23°44	28°42	18°10	16°36	15° 0	21°23	20°19	20°20	2° 7	T 17
W18	20 14 6	2°29'41	24°44	13°21	24°30	9°51	23°40	28°49	18°13	16°37	14°59	21°13	20°16	20°27	2° 8	W18
T 19	20 18 3	3°27'09	8♓54	14°19	25°40	10°28	23°36	28°56	18°16	16°38	14°58	21° 3	20°13	20°34	2° 8	T 19
F 20	20 21 59	4°24'37	22°37	15°22	26°50	11° 6	23°31	29° 3	18°19	16°39	14°56	20°56	20° 9	20°40	2° 9	F 20
S 21	20 25 56	5°22'07	5♈52	16°32	27°59	11°43	23°27	29°10	18°22	16°40	14°55	20°50	20° 6	20°47	2°10	S 21
S 22	20 29 52	6°19'38	18°41	17°47	29° 9	12°20	23°23	29°17	18°25	16°41	14°54	20°47	20° 3	20°54	2°10	S 22
M23	20 33 49	7°17'10	1♉ 8	19° 8	0♋19	12°57	23°20	29°23	18°28	16°42	14°52	20°46	20° 0	21° 0	2°10	M23
T 24	20 37 45	8°14'44	13°16	20°33	1°29	13°33	23°16	29°30	18°31	16°43	14°51	20°D46	19°57	21° 7	2°11	T 24
W25	20 41 42	9°12'20	25°13	22° 4	2°40	14° 9	23°13	29°37	18°34	16°44	14°50	20°R46	19°54	21°14	2°11	W25
T 26	20 45 38	10° 9'57	7♊ 2	23°39	3°50	14°46	23°10	29°44	18°38	16°45	14°48	20°45	19°50	21°20	2°11	T 26
F 27	20 49 35	11° 7'35	18°50	25°18	5° 0	15°22	23° 7	29°50	18°41	16°47	14°47	20°42	19°47	21°27	2°11	F 27
S 28	20 53 32	12° 5'15	0♋40	27° 1	6°11	15°57	23° 4	29°57	18°44	16°48	14°46	20°36	19°44	21°34	2°12	S 28
S 29	20 57 28	13° 2'57	12°37	28°48	7°21	16°33	23° 1	0♋ 3	18°47	16°49	14°44	20°28	19°41	21°40	2°R12	S 29
M30	21 1 25	14° 0'40	24°42	0♌37	8°32	17° 8	22°59	0°10	18°50	16°50	14°43	20°17	19°38	21°47	2°12	M30
T 31	21 5 21	14♌58'24	6♌59	2♌29	9♋43	17♉43	22♐56	0♋16	18♍54	16♎51	14♒42	20♉ 5	19♉34	21♊54	2♉12	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n32	26n50	3n22	18n 8	4s52	19n 1	2s15	9n20	1s53	23s20	0n 7	22n37	0s53	5n39	0n44	4s52	1n46	25s48	9s59	18n34	18n 7	25n24	11n59	0s10
M 2	22 25	26 38	4 5	18 13	4 50	19 15	2 13	9 35	1 53	23 20	0 7	22 37	0 53	5 38	0 44	4 52	1 46	25 49	9 59	18 32	18 6	25 25	12 0	0 10
T 3	22 18	25 10	4 38	18 19	4 46	19 28	2 10	9 49	1 53	23 20	0 7	22 37	0 53	5 37	0 44	4 52	1 46	25 49	9 59	18 29	18 5	25 27	12 0	0 10
W 4	22 10	22 31	4 58	18 26	4 41	19 42	2 8	10 3	1 53	23 20	0 7	22 37	0 53	5 36	0 44	4 52	1 46	25 50	9 59	18 27	18 5	25 28	12 1	0 10
T 5	22 2	18 48	5 5	18 35	4 35	19 54	2 6	10 17	1 52	23 19	0 6	22 37	0 53	5 35	0 44	4 52	1 46	25 50	9 59	18 24	18 4	25 29	12 1	0 10
F 6	21 53	14 13	4 57	18 44	4 27	20 6	2 3	10 31	1 52	23 19	0 6	22 38	0 53	5 34	0 44	4 53	1 46	25 51	9 59	18 22	18 3	25 31	12 2	0 11
S 7	21 44	8 57	4 34	18 54	4 18	20 18	2 1	10 44	1 52	23 19	0 6	22 38	0 53	5 33	0 44	4 53	1 46	25 51	10 0	18 20	18 2	25 32	12 2	0 11
S 8	21 34	3 12	3 57	19 5	4 7	20 30	1 58	10 58	1 52	23 19	0 6	22 38	0 53	5 32	0 44	4 53	1 46	25 52	10 0	18 19	18 1	25 33	12 2	0 11
M 9	21 25	2s49	3 6	19 17	3 56	20 40	1 56	11 11	1 51	23 19	0 6	22 38	0 53	5 31	0 44	4 53	1 46	25 52	10 0	18 18	18 0	25 35	12 3	0 11
T 10	21 15	8 51	2 4	19 29	3 43	20 51	1 53	11 25	1 51	23 19	0 6	22 38	0 53	5 30	0 44	4 54	1 46	25 53	10 0	18 18	18 0	25 36	12 3	0 11
W11	21 4	14 36	0 53	19 42	3 30	21 1	1 50	11 38	1 51	23 19	0 5	22 38	0 53	5 29	0 44	4 54	1 46	25 53	10 0	18 18	17 59	25 37	12 3	0 11
T 12	20 53	19 42	0s22	19 55	3 16	21 10	1 48	11 51	1 51	23 19	0 5	22 39	0 53	5 28	0 44	4 54	1 45	25 54	10 0	18 18	17 58	25 39	12 3	0 11
F 13	20 42	23 45	1 38	20 8	3 1	21 19	1 45	12 4	1 50	23 19	0 5	22 39	0 52	5 27	0 44	4 55	1 45	25 55	10 0	18 18	17 57	25 40	12 4	0 11
S 14	20 30	26 15	2 48	20 21	2 46	21 27	1 42	12 17	1 50	23 19	0 5	22 39	0 52	5 25	0 44	4 55	1 45	25 55	10 1	18 17	17 56	25 41	12 4	0 11
S 15	20 19	26 55	3 48	20 34	2 31	21 35	1 39	12 29	1 50	23 19	0 5	22 39	0 52	5 24	0 44	4 55	1 45	25 56	10 1	18 15	17 55	25 43	12 4	0 11
M16	20 6	25 36	4 32	20 46	2 16	21 42	1 36	12 42	1 49	23 19	0 5	22 39	0 52	5 23	0 44	4 56	1 45	25 56	10 1	18 13	17 55	25 44	12 4	0 11
T 17	19 54	22 31	4 57	20 57	2 0	21 49	1 33	12 54	1 49	23 18	0 5	22 39	0 52	5 22	0 44	4 56	1 45	25 57	10 1	18 11	17 54	25 45	12 5	0 12
W18	19 41	18 4	5 2	21 8	1 44	21 55	1 30	13 6	1 49	23 18	0 4	22 39	0 52	5 21	0 44	4 56	1 45	25 57	10 1	18 8	17 53	25 46	12 5	0 12
T 19	19 27	12 42	4 48	21 18	1 28	22 1	1 27	13 18	1 48	23 18	0 4	22 39	0 52	5 20	0 44	4 57	1 45	25 58	10 1	18 5	17 52	25 48	12 5	0 12
F 20	19 14	6 53	4 18	21 26	1 13	22 6	1 24	13 30	1 48	23 18	0 4	22 40	0 52	5 19	0 44	4 57	1 45	25 58	10 1	18 3	17 51	25 49	12 5	0 12
S 21	19 0	0 56	3 34	21 33	0 58	22 10	1 21	13 42	1 47	23 18	0 4	22 40	0 52	5 17	0 44	4 58	1 45	25 59	10 1	18 2	17 50	25 50	12 5	0 12
S 22	18 46	4n52	2 41	21 38	0 43	22 14	1 18	13 54	1 47	23 18	0 4	22 40	0 52	5 16	0 44	4 58	1 45	25 59	10 2	18 1	17 49	25 51	12 5	0 12
M23	18 31	10 19	1 42	21 42	0 28	22 17	1 15	14 5	1 47	23 18	0 4	22 40	0 52	5 15	0 44	4 59	1 45	26 0	10 2	18 1	17 49	25 53	12 5	0 12
T 24	18 16	15 15	0 40	21 43	0 14	22 20	1 12	14 17	1 46	23 18	0 4	22 40	0 52	5 14	0 44	4 59	1 45	26 0	10 2	18 1	17 48	25 54	12 5	0 12
W25	18 1	19 31	0n24	21 42	0 1	22 22	1 8	14 28	1 46	23 18	0 3	22 40	0 52	5 12	0 44	4 59	1 45	26 1	10 2	18 1	17 47	25 55	12 5	0 12
T 26	17 46	22 58	1 25	21 39	0n12	22 23	1 5	14 39	1 45	23 18	0 3	22 40	0 52	5 11	0 44	5 0	1 45	26 1	10 2	18 1	17 46	25 56	12 5	0 12
F 27	17 30	25 26	2 23	21 33	0 24	22 24	1 2	14 50	1 45	23 18	0 3	22 40	0 52	5 10	0 44	5 0	1 45	26 2	10 2	18 0	17 45	25 57	12 5	0 13
S 28	17 14	26 46	3 14	21 25	0 36	22 25	0 59	15 1	1 44	23 18	0 3	22 40	0 52	5 9	0 44	5 1	1 45	26 2	10 2	17 58	17 44	25 59	12 5	0 13
S 29	16 58	26 53	3 58	21 14	0 46	22 24	0 56	15 12	1 44	23 18	0 3	22 40	0 52	5 7	0 44	5 1	1 45	26 2	10 2	17 56	17 43	26 0	12 5	0 13
M30	16 41	25 43	4 31	21 1	0 56	22 23	0 52	15 22	1 43	23 18	0 3	22 40	0 52	5 6	0 44	5 2	1 45	26 3	10 2	17 53	17 43	26 1	12 5	0 13
T 31	16n24	23n18	4n52	20n44	1n 5	22n22	0s49	15n33	1s42	23s18	0n 3	22n40	0s52	5n 5	0n44	5s 2	1n44	26s 3	10s 2	17n50	17n42	26n 2	12n 5	0s13

Julian Day Number = 2194603.5, Delta T = 10m30s
Ecliptic obliquity = 23°31'55, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'44, Lahiri = 14°02'44 Julian Calendar 1 July 1296 == Greg. Calendar 8 July 1296

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ASTRODIENST EPHEMERIS for the year 1296
geocentric

AUGUST 1296 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	21 9 18	15♌56'10	19♌28	4♌24	10♋53	18♉18	22°R54	0♋22	18♍57	16♎53	14°R41	19°R52	19♉31	22♊ 0	2°R11	W 1
T 2	21 13 14	16°53'57	2♍ 8	6°20	12° 4	18°53	22♐52	0°28	19° 0	16°54	14♒39	19♉38	19°28	22° 7	2♉11	T 2
F 3	21 17 11	17°51'46	15° 1	8°18	13°15	19°27	22°50	0°35	19° 4	16°55	14°38	19°27	19°25	22°14	2°11	F 3
S 4	21 21 7	18°49'35	28° 5	10°16	14°26	20° 1	22°49	0°41	19° 7	16°57	14°37	19°18	19°22	22°20	2°11	S 4
S 5	21 25 4	19°47'27	11♎21	12°16	15°37	20°35	22°48	0°47	19°10	16°58	14°35	19°11	19°19	22°27	2°10	S 5
M 6	21 29 1	20°45'19	24°47	14°15	16°49	21° 9	22°46	0°53	19°14	16°59	14°34	19° 8	19°15	22°34	2°10	M 6
T 7	21 32 57	21°43'13	8♏26	16°15	18° 0	21°42	22°45	0°59	19°17	17° 1	14°33	19° 7	19°12	22°40	2° 9	T 7
W 8	21 36 54	22°41'08	22°17	18°15	19°11	22°16	22°45	1° 5	19°21	17° 2	14°31	19° 6	19° 9	22°47	2° 9	W 8
T 9	21 40 50	23°39'04	6♐22	20°14	20°23	22°48	22°44	1°10	19°24	17° 4	14°30	19° 6	19° 6	22°54	2° 8	T 9
F 10	21 44 47	24°37'02	20°39	22°13	21°34	23°21	22°44	1°16	19°28	17° 5	14°29	19° 5	19° 3	23° 0	2° 8	F 10
S 11	21 48 43	25°35'01	5♑ 6	24°11	22°46	23°53	22°43	1°22	19°31	17° 7	14°27	19° 1	19° 0	23° 7	2° 7	S 11
S 12	21 52 40	26°33'01	19°40	26° 8	23°58	24°26	22°D43	1°28	19°35	17° 8	14°26	18°54	18°56	23°14	2° 6	S 12
M13	21 56 36	27°31'03	4♒16	28° 5	25° 9	24°57	22°43	1°33	19°38	17°10	14°25	18°45	18°53	23°20	2° 5	M13
T 14	22 0 33	28°29'06	18°46	29°59	26°21	25°29	22°44	1°39	19°42	17°12	14°24	18°34	18°50	23°27	2° 5	T 14
W15	22 4 30	29°27'11	3♓ 4	1♍54	27°33	26° 0	22°44	1°44	19°46	17°13	14°22	18°22	18°47	23°34	2° 4	W15
T 16	22 8 26	0♍25'18	17° 4	3°48	28°45	26°31	22°45	1°49	19°49	17°15	14°21	18°11	18°44	23°40	2° 3	T 16
F 17	22 12 23	1°23'26	0♈41	5°40	29°57	27° 2	22°46	1°54	19°53	17°16	14°20	18° 2	18°40	23°47	2° 2	F 17
S 18	22 16 19	2°21'37	13°53	7°31	1♎ 9	27°32	22°47	2° 0	19°56	17°18	14°19	17°56	18°37	23°54	2° 1	S 18
S 19	22 20 16	3°19'49	26°41	9°20	2°22	28° 2	22°48	2° 5	20° 0	17°20	14°17	17°52	18°34	24° 0	1°59	S 19
M20	22 24 12	4°18'03	9♉ 9	11° 9	3°34	28°32	22°50	2°10	20° 4	17°22	14°16	17°50	18°31	24° 7	1°58	M20
T 21	22 28 9	5°16'20	21°18	12°56	4°46	29° 1	22°51	2°15	20° 7	17°23	14°15	17°D50	18°28	24°14	1°57	T 21
W22	22 32 5	6°14'38	3♊16	14°43	5°59	29°30	22°53	2°20	20°11	17°25	14°14	17°R50	18°25	24°20	1°56	W22
T 23	22 36 2	7°12'59	15° 7	16°28	7°11	29°59	22°55	2°24	20°15	17°27	14°12	17°50	18°21	24°27	1°54	T 23
F 24	22 39 59	8°11'22	26°56	18°12	8°24	0♊27	22°58	2°29	20°18	17°29	14°11	17°48	18°18	24°34	1°53	F 24
S 25	22 43 55	9° 9'47	8♋49	19°55	9°37	0°55	23° 0	2°34	20°22	17°31	14°10	17°44	18°15	24°40	1°51	S 25
S 26	22 47 52	10° 8'14	20°50	21°37	10°49	1°23	23° 3	2°38	20°26	17°32	14° 9	17°38	18°12	24°47	1°50	S 26
M27	22 51 48	11° 6'43	3♌ 3	23°17	12° 2	1°50	23° 5	2°43	20°30	17°34	14° 8	17°29	18° 9	24°54	1°48	M27
T 28	22 55 45	12° 5'15	15°30	24°57	13°15	2°17	23° 8	2°47	20°33	17°36	14° 7	17°18	18° 5	25° 0	1°47	T 28
W29	22 59 41	13° 3'48	28°13	26°35	14°28	2°44	23°11	2°51	20°37	17°38	14° 6	17° 7	18° 2	25° 7	1°45	W29
T 30	23 3 38	14° 2'23	11♍11	28°13	15°41	3°10	23°15	2°55	20°41	17°40	14° 4	16°56	17°59	25°14	1°43	T 30
F 31	23 7 34	15♍ 1'00	24♍25	29♍49	16♌54	3♊35	23♐18	3♋ 0	20♍45	17♎42	14♒ 3	16♉46	17♉56	25♊20	1♉42	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
W 1	16n 7	19n47	5n 0	20n25	1n13	22n19	0s46	15n43	1s42	23s18	0n 2	22n40	0s52	5n 3	0n44	5s 3	1n44	26s 4	10s 2	17n46	17n41	26n 3	12n 5	0s13	
T 2	15 50	15 18	4 53	20 3	1 20	22 17	0 43	15 53	1 41	23 18	0 2	22 40	0 52	5 2	0 44	5 4	1 44	26 4	10 2	17 43	17 40	26 4	12 5	0 13	
F 3	15 32	10 5	4 31	19 39	1 26	22 13	0 39	16 3	1 41	23 18	0 2	22 40	0 52	5 1	0 44	5 4	1 44	26 5	10 2	17 40	17 39	26 6	12 4	0 13	
S 4	15 14	4 21	3 55	19 13	1 32	22 9	0 36	16 13	1 40	23 18	0 2	22 40	0 52	4 59	0 43	5 5	1 44	26 5	10 2	17 37	17 38	26 7	12 4	0 13	
S 5	14 56	1s40	3 5	18 44	1 36	22 4	0 33	16 22	1 39	23 18	0 2	22 40	0 52	4 58	0 43	5 5	1 44	26 6	10 2	17 35	17 37	26 8	12 4	0 13	
M 6	14 38	7 42	2 5	18 13	1 40	21 59	0 30	16 32	1 39	23 18	0 2	22 40	0 52	4 57	0 43	5 6	1 44	26 6	10 2	17 34	17 36	26 9	12 4	0 13	
T 7	14 19	13 29	0 56	17 40	1 43	21 53	0 26	16 41	1 38	23 18	0 2	22 40	0 52	4 55	0 43	5 6	1 44	26 6	10 2	17 34	17 36	26 10	12 3	0 14	
W 8	14 0	18 41	0s17	17 5	1 45	21 46	0 23	16 50	1 37	23 19	0 1	22 40	0 52	4 54	0 43	5 7	1 44	26 7	10 3	17 34	17 35	26 11	12 3	0 14	
T 9	13 41	22 56	1 30	16 28	1 46	21 39	0 20	16 59	1 37	23 19	0 1	22 40	0 52	4 53	0 43	5 8	1 44	26 7	10 3	17 34	17 34	26 12	12 3	0 14	
F 10	13 22	25 50	2 38	15 50	1 47	21 31	0 17	17 8	1 36	23 19	0 1	22 40	0 52	4 51	0 43	5 8	1 44	26 8	10 3	17 33	17 33	26 13	12 3	0 14	
S 11	13 3	27 3	3 38	15 11	1 46	21 23	0 14	17 17	1 35	23 19	0 1	22 40	0 52	4 50	0 43	5 9	1 44	26 8	10 3	17 32	17 32	26 14	12 2	0 14	
S 12	12 43	26 25	4 23	14 31	1 46	21 14	0 10	17 26	1 34	23 19	0 1	22 40	0 52	4 48	0 43	5 9	1 44	26 9	10 3	17 31	17 31	26 16	12 2	0 14	
M13	12 23	23 59	4 51	13 49	1 44	21 4	0 7	17 34	1 34	23 19	0 1	22 40	0 52	4 47	0 43	5 10	1 44	26 9	10 3	17 28	17 30	26 17	12 2	0 14	
T 14	12 3	20 1	5 1	13 7	1 42	20 54	0 4	17 42	1 33	23 19	0 1	22 40	0 52	4 45	0 43	5 11	1 44	26 9	10 3	17 25	17 29	26 18	12 1	0 14	
W15	11 42	14 56	4 51	12 23	1 40	20 43	0 1	17 51	1 32	23 19	0 0	22 40	0 52	4 44	0 43	5 11	1 44	26 10	10 3	17 22	17 29	26 19	12 1	0 14	
T 16	11 22	9 10	4 24	11 40	1 37	20 31	0n 2	17 59	1 31	23 20	0 0	22 40	0 52	4 43	0 43	5 12	1 44	26 10	10 3	17 19	17 28	26 20	12 0	0 14	
F 17	11 1	3 8	3 42	10 55	1 33	20 19	0 5	18 6	1 30	23 20	0 0	22 39	0 52	4 41	0 43	5 13	1 44	26 10	10 2	17 16	17 27	26 21	12 0	0 15	
S 18	10 40	2n53	2 50	10 10	1 30	20 7	0 8	18 14	1 29	23 20	0 0	22 39	0 52	4 40	0 43	5 13	1 44	26 11	10 2	17 14	17 26	26 22	11 59	0 15	
S 19	10 19	8 38	1 50	9 25	1 25	19 53	0 11	18 22	1 28	23 20	0s 0	22 39	0 52	4 38	0 43	5 14	1 44	26 11	10 2	17 13	17 25	26 23	11 59	0 15	
M20	9 58	13 52	0 46	8 39	1 21	19 40	0 14	18 29	1 27	23 20	0 0	22 39	0 52	4 37	0 43	5 15	1 44	26 11	10 2	17 13	17 24	26 24	11 58	0 15	
T 21	9 37	18 27	0n19	7 54	1 16	19 25	0 17	18 37	1 26	23 21	0 0	22 39	0 52	4 35	0 43	5 16	1 44	26 12	10 2	17 13	17 23	26 25	11 58	0 15	
W22	9 15	22 13	1 21	7 8	1 10	19 10	0 20	18 44	1 25	23 21	0 0	22 39	0 52	4 34	0 43	5 16	1 44	26 12	10 2	17 13	17 22	26 26	11 57	0 15	
T 23	8 54	25 1	2 20	6 22	1 5	18 55	0 23	18 51	1 25	23 21	0 1	22 39	0 52	4 32	0 43	5 17	1 44	26 12	10 2	17 13	17 22	26 27	11 57	0 15	
F 24	8 32	26 42	3 12	5 35	0 59	18 39	0 25	18 58	1 23	23 21	0 1	22 39	0 52	4 31	0 43	5 18	1 44	26 13	10 2	17 12	17 21	26 28	11 56	0 15	
S 25	8 10	27 10	3 56	4 49	0 53	18 22	0 28	19 5	1 22	23 22	0 1	22 39	0 52	4 29	0 43	5 18	1 43	26 13	10 2	17 11	17 20	26 29	11 56	0 15	
S 26	7 48	26 22	4 31	4 3	0 47	18 5	0 31	19 11	1 21	23 22	0 1	22 39	0 52	4 28	0 43	5 19	1 43	26 13	10 2	17 9	17 19	26 30	11 55	0 15	
M27	7 26	24 18	4 53	3 18	0 40	17 47	0 34	19 18	1 20	23 22	0 1	22 39	0 52	4 26	0 43	5 20	1 43	26 14	10 2	17 7	17 18	26 31	11 54	0 15	
T 28	7 3	21 4	5 3	2 32	0 34	17 29	0 36	19 24	1 19	23 22	0 1	22 39	0 52	4 25	0 43	5 21	1 43	26 14	10 2	17 4	17 17	26 32	11 54	0 16	
W29	6 41	16 47	4 57	1 46	0 27	17 10	0 39	19 31	1 18	23 23	0 1	22 39	0 52	4 24	0 43	5 21	1 43	26 14	10 2	17 1	17 16	26 33	11 53	0 16	
T 30	6 18	11 39	4 37	1 1	0 20	16 51	0 41	19 37	1 17	23 23	0 1	22 38	0 52	4 22	0 43	5 22	1 43	26 15	10 2	16 57	17 15	26 34	11 52	0 16	
F 31	5n56	5n54	4n 1	0n16	0n13	16n32	0n44	19n43	1s16	23s23	0s 2	22n38	0s52	4n21	0n43	5s23	1n43	26s15	10s 2	16n55	17n14	26n35	11n52	0s16	

Julian Day Number = 2194634.5, Delta T = 10m29s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'48, Lahiri = 14°02'48 Julian Calendar 1 Aug. 1296 == Greg. Calendar 8 Aug. 1296

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ASTRODIENST EPHEMERIS for the year 1296
geocentric

SEPTEMBER 1296 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 11 31	15♍59'39	7♎52	1♎25	18♌ 7	4♊ 1	23♐22	3♋ 4	20♍48	17♎44	14°R 2	16°R38	17♉53	25♊27	1°R40	S 1
S 2	23 15 27	16°58'20	21°30	2°59	19°20	4°25	23°26	3° 7	20°52	17°46	14♒ 1	16♉33	17°50	25°34	1♉38	S 2
M 3	23 19 24	17°57'03	5♏17	4°33	20°34	4°50	23°30	3°11	20°56	17°48	14° 0	16°30	17°46	25°40	1°36	M 3
T 4	23 23 21	18°55'48	19°11	6° 5	21°47	5°14	23°34	3°15	21° 0	17°50	13°59	16°D30	17°43	25°47	1°34	T 4
W 5	23 27 17	19°54'34	3♐11	7°37	23° 0	5°37	23°38	3°19	21° 4	17°52	13°58	16°31	17°40	25°54	1°32	W 5
T 6	23 31 14	20°53'23	17°16	9° 7	24°14	6° 0	23°43	3°22	21° 7	17°54	13°57	16°R31	17°37	26° 1	1°30	T 6
F 7	23 35 10	21°52'12	1♑25	10°37	25°27	6°23	23°48	3°26	21°11	17°56	13°56	16°31	17°34	26° 7	1°28	F 7
S 8	23 39 7	22°51'04	15°37	12° 6	26°41	6°45	23°53	3°29	21°15	17°58	13°55	16°29	17°31	26°14	1°26	S 8
S 9	23 43 3	23°49'58	29°49	13°33	27°54	7° 6	23°58	3°32	21°19	18° 0	13°54	16°24	17°27	26°21	1°24	S 9
M10	23 47 0	24°48'53	13♒59	15° 0	29° 8	7°27	24° 3	3°35	21°23	18° 2	13°53	16°18	17°24	26°27	1°21	M10
T 11	23 50 56	25°47'50	28° 2	16°25	0♍22	7°48	24° 8	3°38	21°26	18° 4	13°52	16°10	17°21	26°34	1°19	T 11
W12	23 54 53	26°46'48	11♓54	17°50	1°35	8° 8	24°14	3°41	21°30	18° 6	13°51	16° 2	17°18	26°41	1°17	W12
T 13	23 58 50	27°45'49	25°32	19°13	2°49	8°27	24°20	3°44	21°34	18° 9	13°50	15°54	17°15	26°47	1°15	T 13
F 14	0 2 46	28°44'52	8♈52	20°36	4° 3	8°46	24°25	3°47	21°38	18°11	13°50	15°47	17°11	26°54	1°12	F 14
S 15	0 6 43	29°43'57	21°53	21°57	5°17	9° 5	24°31	3°50	21°41	18°13	13°49	15°42	17° 8	27° 1	1°10	S 15
S 16	0 10 39	0♎43'04	4♉35	23°17	6°31	9°23	24°38	3°52	21°45	18°15	13°48	15°40	17° 5	27° 7	1° 7	S 16
M17	0 14 36	1°42'13	16°59	24°36	7°45	9°40	24°44	3°55	21°49	18°17	13°47	15°D39	17° 2	27°14	1° 5	M17
T 18	0 18 32	2°41'25	29° 8	25°54	8°59	9°57	24°51	3°57	21°53	18°19	13°46	15°40	16°59	27°21	1° 2	T 18
W19	0 22 29	3°40'39	11♊ 6	27°10	10°13	10°13	24°57	3°59	21°56	18°22	13°46	15°41	16°56	27°27	1° 0	W19
T 20	0 26 25	4°39'55	22°58	28°25	11°27	10°28	25° 4	4° 1	22° 0	18°24	13°45	15°43	16°52	27°34	0°57	T 20
F 21	0 30 22	5°39'14	4♋48	29°38	12°41	10°43	25°11	4° 3	22° 4	18°26	13°44	15°R44	16°49	27°41	0°55	F 21
S 22	0 34 19	6°38'35	16°41	0♏50	13°56	10°57	25°18	4° 5	22° 7	18°28	13°43	15°43	16°46	27°47	0°52	S 22
S 23	0 38 15	7°37'59	28°44	2° 0	15°10	11°11	25°25	4° 7	22°11	18°30	13°43	15°41	16°43	27°54	0°49	S 23
M24	0 42 12	8°37'24	10♌59	3° 8	16°24	11°24	25°33	4° 9	22°15	18°33	13°42	15°37	16°40	28° 1	0°47	M24
T 25	0 46 8	9°36'52	23°31	4°14	17°39	11°36	25°40	4°10	22°18	18°35	13°41	15°32	16°37	28° 7	0°44	T 25
W26	0 50 5	10°36'23	6♍23	5°18	18°53	11°47	25°48	4°12	22°22	18°37	13°41	15°26	16°33	28°14	0°41	W26
T 27	0 54 1	11°35'55	19°34	6°19	20° 8	11°58	25°56	4°13	22°26	18°39	13°40	15°20	16°30	28°21	0°39	T 27
F 28	0 57 58	12°35'29	3♎ 6	7°18	21°22	12° 8	26° 4	4°15	22°29	18°41	13°40	15°15	16°27	28°27	0°36	F 28
S 29	1 1 54	13°35'06	16°56	8°14	22°37	12°17	26°12	4°16	22°33	18°44	13°39	15°11	16°24	28°34	0°33	S 29
S 30	1 5 51	14♎34'45	0♏59	9♏ 6	23♍51	12♊26	26♐20	4♋17	22♍37	18♎46	13♒39	15♉ 9	16♉21	28♊41	0♉30	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n33	0s13	3n11	0s28	0n 6	16n12	0n46	19n49	1s15	23s24	0s 2	22n38	0s52	4n19	0n43	5s24	1n43	26s15	10s 2	16n52	17n14	26n36	11n51	0s16
S 2	5 10	6 25	2 9	1 13	0s 1	15 51	0 49	19 54	1 13	23 24	0 2	22 38	0 52	4 18	0 43	5 24	1 43	26 15	10 2	16 51	17 13	26 37	11 50	0 16
M 3	4 47	12 24	1 0	1 57	0 9	15 30	0 51	20 0	1 12	23 24	0 2	22 38	0 52	4 16	0 43	5 25	1 43	26 15	10 1	16 50	17 12	26 38	11 49	0 16
T 4	4 24	17 49	0s14	2 40	0 16	15 8	0 53	20 6	1 11	23 25	0 2	22 38	0 52	4 15	0 43	5 26	1 43	26 16	10 1	16 50	17 11	26 38	11 49	0 16
W 5	4 1	22 19	1 28	3 24	0 23	14 47	0 55	20 11	1 10	23 25	0 2	22 38	0 52	4 13	0 43	5 27	1 43	26 16	10 1	16 50	17 10	26 39	11 48	0 16
T 6	3 37	25 32	2 37	4 6	0 31	14 24	0 58	20 16	1 8	23 25	0 2	22 38	0 52	4 12	0 43	5 28	1 43	26 16	10 1	16 50	17 9	26 40	11 47	0 16
F 7	3 14	27 8	3 37	4 48	0 38	14 1	1 0	20 21	1 7	23 26	0 2	22 38	0 52	4 10	0 43	5 28	1 43	26 16	10 1	16 50	17 8	26 41	11 46	0 17
S 8	2 51	26 58	4 23	5 30	0 46	13 38	1 2	20 27	1 6	23 26	0 2	22 38	0 52	4 9	0 43	5 29	1 43	26 17	10 1	16 50	17 7	26 42	11 45	0 17
S 9	2 27	25 3	4 54	6 11	0 53	13 15	1 4	20 32	1 4	23 26	0 3	22 38	0 52	4 7	0 43	5 30	1 43	26 17	10 1	16 48	17 6	26 43	11 45	0 17
M10	2 4	21 35	5 6	6 52	1 1	12 51	1 6	20 36	1 3	23 27	0 3	22 37	0 52	4 6	0 43	5 31	1 43	26 17	10 1	16 47	17 6	26 44	11 44	0 17
T 11	1 41	16 53	5 0	7 32	1 8	12 26	1 8	20 41	1 1	23 27	0 3	22 37	0 52	4 4	0 43	5 32	1 43	26 17	10 1	16 44	17 5	26 45	11 43	0 17
W12	1 17	11 22	4 36	8 11	1 16	12 2	1 9	20 46	1 0	23 27	0 3	22 37	0 52	4 3	0 43	5 32	1 43	26 17	10 1	16 42	17 4	26 46	11 42	0 17
T 13	0 54	5 24	3 57	8 50	1 23	11 37	1 11	20 50	0 58	23 28	0 3	22 37	0 52	4 1	0 43	5 33	1 43	26 17	10 0	16 40	17 3	26 46	11 41	0 17
F 14	0 30	0n42	3 5	9 28	1 30	11 11	1 13	20 55	0 57	23 28	0 3	22 37	0 52	4 0	0 43	5 34	1 43	26 18	10 0	16 38	17 2	26 47	11 40	0 17
S 15	0 6	6 38	2 5	10 5	1 38	10 46	1 14	20 59	0 55	23 28	0 3	22 37	0 52	3 58	0 43	5 35	1 43	26 18	10 0	16 36	17 1	26 48	11 39	0 17
S 16	0s17	12 10	1 0	10 42	1 45	10 20	1 16	21 4	0 54	23 29	0 3	22 37	0 52	3 57	0 43	5 36	1 43	26 18	10 0	16 36	17 0	26 49	11 38	0 17
M17	0 41	17 5	0n 7	11 18	1 52	9 54	1 17	21 8	0 52	23 29	0 3	22 37	0 52	3 55	0 43	5 37	1 43	26 18	10 0	16 35	16 59	26 50	11 37	0 17
T 18	1 4	21 13	1 13	11 53	1 59	9 27	1 19	21 12	0 50	23 29	0 4	22 37	0 52	3 54	0 43	5 37	1 43	26 18	10 0	16 36	16 58	26 51	11 36	0 18
W19	1 28	24 24	2 14	12 27	2 5	9 0	1 20	21 16	0 49	23 30	0 4	22 37	0 52	3 52	0 43	5 38	1 43	26 18	10 0	16 36	16 57	26 51	11 35	0 18
T 20	1 52	26 29	3 9	13 0	2 12	8 33	1 21	21 20	0 47	23 30	0 4	22 37	0 52	3 51	0 43	5 39	1 43	26 18	9 59	16 37	16 57	26 52	11 34	0 18
F 21	2 15	27 22	3 55	13 32	2 18	8 6	1 23	21 24	0 45	23 31	0 4	22 37	0 52	3 49	0 43	5 40	1 43	26 18	9 59	16 37	16 56	26 53	11 33	0 18
S 22	2 39	26 59	4 32	14 3	2 24	7 38	1 24	21 28	0 43	23 31	0 4	22 37	0 52	3 48	0 43	5 41	1 43	26 18	9 59	16 37	16 55	26 54	11 32	0 18
S 23	3 2	25 21	4 58	14 33	2 30	7 10	1 25	21 31	0 41	23 31	0 4	22 37	0 52	3 46	0 43	5 42	1 43	26 18	9 59	16 36	16 54	26 55	11 31	0 18
M24	3 26	22 30	5 10	15 2	2 36	6 42	1 26	21 35	0 40	23 32	0 4	22 36	0 52	3 45	0 43	5 43	1 43	26 18	9 59	16 35	16 53	26 55	11 30	0 18
T 25	3 49	18 34	5 8	15 30	2 41	6 14	1 27	21 38	0 38	23 32	0 4	22 36	0 52	3 43	0 43	5 43	1 43	26 18	9 59	16 33	16 52	26 56	11 29	0 18
W26	4 13	13 42	4 51	15 56	2 46	5 45	1 28	21 42	0 36	23 32	0 4	22 36	0 52	3 42	0 43	5 44	1 43	26 18	9 58	16 32	16 51	26 57	11 28	0 18
T 27	4 36	8 5	4 18	16 21	2 50	5 17	1 28	21 45	0 34	23 33	0 4	22 36	0 52	3 41	0 43	5 45	1 43	26 18	9 58	16 30	16 50	26 58	11 27	0 18
F 28	5 0	1 58	3 30	16 45	2 54	4 48	1 29	21 49	0 32	23 33	0 5	22 36	0 52	3 39	0 43	5 46	1 43	26 18	9 58	16 28	16 49	26 58	11 26	0 18
S 29	5 23	4s24	2 28	17 7	2 58	4 19	1 30	21 52	0 30	23 33	0 5	22 36	0 52	3 38	0 43	5 47	1 43	26 18	9 58	16 27	16 48	26 59	11 25	0 19
S 30	5s46	10s40	1n17	17s27	3s 1	3n50	1n30	21n55	0s28	23s34	0s 5	22n36	0s52	3n36	0n43	5s48	1n43	26s18	9s58	16n26	16n47	27n 0	11n24	0s19

Julian Day Number = 2194665.5, Delta T = 10m29s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'52, Lahiri = 14°02'53 Julian Calendar 1 Sept. 1296 == Greg. Calendar 8 Sept. 1296

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ASTRODIENST EPHEMERIS for the year 1296
geocentric

OCTOBER 1296 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	1 9 48	15♎34'26	15♏13	9♏55	25♍ 6	12♊33	26♐29	4♋18	22♍40	18♎48	13°R38	15°D 8	16♉17	28♊47	0°R27	M 1
T 2	1 13 44	16°34'08	29°33	10°40	26°21	12°40	26°37	4°18	22°44	18°50	13♒38	15♉ 9	16°14	28°54	0♉24	T 2
W 3	1 17 41	17°33'53	13♐54	11°21	27°35	12°47	26°46	4°19	22°47	18°53	13°37	15°10	16°11	29° 1	0°22	W 3
T 4	1 21 37	18°33'39	28°13	11°57	28°50	12°52	26°55	4°20	22°51	18°55	13°37	15°11	16° 8	29° 7	0°19	T 4
F 5	1 25 34	19°33'27	12♑26	12°28	0♎ 5	12°57	27° 3	4°20	22°54	18°57	13°36	15°12	16° 5	29°14	0°16	F 5
S 6	1 29 30	20°33'17	26°34	12°53	1°20	13° 0	27°12	4°21	22°58	18°59	13°36	15°R12	16° 2	29°21	0°13	S 6
S 7	1 33 27	21°33'08	10♒32	13°12	2°34	13° 3	27°22	4°21	23° 1	19° 2	13°36	15°11	15°58	29°28	0°10	S 7
M 8	1 37 23	22°33'01	24°21	13°23	3°49	13° 5	27°31	4°21	23° 5	19° 4	13°35	15° 9	15°55	29°34	0° 7	M 8
T 9	1 41 20	23°32'56	7♓58	13°R28	5° 4	13° 7	27°40	4°R21	23° 8	19° 6	13°35	15° 6	15°52	29°41	0° 4	T 9
W10	1 45 17	24°32'52	21°23	13°24	6°19	13°R 7	27°50	4°21	23°11	19° 8	13°35	15° 3	15°49	29°48	0° 1	W10
T 11	1 49 13	25°32'50	4♈35	13°11	7°34	13° 7	27°59	4°21	23°15	19°11	13°35	15° 0	15°46	29°54	29♈58	T 11
F 12	1 53 10	26°32'50	17°33	12°49	8°49	13° 5	28° 9	4°20	23°18	19°13	13°34	14°58	15°42	0♋ 1	29°55	F 12
S 13	1 57 6	27°32'52	0♉16	12°18	10° 4	13° 3	28°19	4°20	23°21	19°15	13°34	14°56	15°39	0° 8	29°52	S 13
S 14	2 1 3	28°32'55	12°45	11°37	11°19	13° 0	28°29	4°19	23°25	19°17	13°34	14°D56	15°36	0°14	29°49	S 14
M15	2 4 59	29°33'01	25° 1	10°48	12°34	12°56	28°39	4°19	23°28	19°19	13°34	14°56	15°33	0°21	29°46	M15
T 16	2 8 56	0♏33'09	7♊ 6	9°49	13°49	12°52	28°49	4°18	23°31	19°22	13°34	14°57	15°30	0°28	29°43	T 16
W17	2 12 52	1°33'19	19° 2	8°43	15° 4	12°46	29° 0	4°17	23°34	19°24	13°34	14°58	15°27	0°34	29°40	W17
T 18	2 16 49	2°33'31	0♋53	7°30	16°19	12°39	29°10	4°16	23°37	19°26	13°34	14°59	15°23	0°41	29°37	T 18
F 19	2 20 46	3°33'44	12°43	6°13	17°34	12°32	29°21	4°15	23°41	19°28	13°34	15° 0	15°20	0°48	29°34	F 19
S 20	2 24 42	4°34'00	24°36	4°54	18°49	12°24	29°31	4°14	23°44	19°30	13°D34	15° 1	15°17	0°54	29°31	S 20
S 21	2 28 39	5°34'18	6♌37	3°35	20° 5	12°14	29°42	4°12	23°47	19°33	13°34	15°R 1	15°14	1° 1	29°28	S 21
M22	2 32 35	6°34'38	18°50	2°19	21°20	12° 4	29°53	4°11	23°50	19°35	13°34	15° 1	15°11	1° 8	29°25	M22
T 23	2 36 32	7°35'00	1♍20	1° 9	22°35	11°53	0♑ 4	4°10	23°53	19°37	13°34	15° 0	15° 8	1°14	29°22	T 23
W24	2 40 28	8°35'24	14°11	0° 5	23°50	11°42	0°15	4° 8	23°56	19°39	13°34	15° 0	15° 4	1°21	29°19	W24
T 25	2 44 25	9°35'50	27°26	29♎12	25° 6	11°29	0°26	4° 6	23°59	19°41	13°34	14°59	15° 1	1°28	29°16	T 25
F 26	2 48 21	10°36'17	11♎ 5	28°28	26°21	11°15	0°37	4° 4	24° 2	19°43	13°34	14°58	14°58	1°35	29°13	F 26
S 27	2 52 18	11°36'47	25° 8	27°56	27°36	11° 1	0°48	4° 2	24° 4	19°46	13°34	14°58	14°55	1°41	29°10	S 27
S 28	2 56 14	12°37'18	9♏32	27°36	28°52	10°46	1° 0	4° 0	24° 7	19°48	13°35	14°D58	14°52	1°48	29° 8	S 28
M29	3 0 11	13°37'51	24°10	27°D28	0♏ 7	10°30	1°11	3°58	24°10	19°50	13°35	14°58	14°48	1°55	29° 5	M29
T 30	3 4 8	14°38'25	8♐58	27°30	1°22	10°14	1°23	3°56	24°13	19°52	13°35	14°R58	14°45	2° 1	29° 2	T 30
W31	3 8 4	15♏39'01	23♐47	27♎43	2♏38	9♊56	1♑34	3♋53	24♍16	19♎54	13♒35	14♉58	14♉42	2♋ 8	28♈59	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	6s 9	16s28	0s 0	17s45	3s 4	3n20	1n31	21n58	0s26	23s34	0s 5	22n36	0s52	3n35	0n43	5s48	1n43	26s18	9s58	16n26	16n46	27n 0	11n23	0s19
T 2	6 32	21 24	1 18	18 2	3 6	2 51	1 31	22 1	0 23	23 34	0 5	22 36	0 52	3 34	0 43	5 49	1 43	26 18	9 57	16 26	16 46	27 1	11 22	0 19
W 3	6 55	25 4	2 31	18 16	3 7	2 22	1 31	22 4	0 21	23 35	0 5	22 36	0 52	3 32	0 43	5 50	1 43	26 18	9 57	16 27	16 45	27 2	11 21	0 19
T 4	7 18	27 6	3 35	18 28	3 8	1 52	1 32	22 7	0 19	23 35	0 5	22 36	0 52	3 31	0 43	5 51	1 43	26 18	9 57	16 27	16 44	27 3	11 20	0 19
F 5	7 41	27 20	4 25	18 37	3 8	1 22	1 32	22 10	0 17	23 35	0 5	22 36	0 52	3 29	0 43	5 52	1 43	26 18	9 57	16 28	16 43	27 3	11 19	0 19
S 6	8 4	25 48	4 58	18 43	3 6	0 53	1 32	22 12	0 14	23 36	0 5	22 36	0 52	3 28	0 43	5 53	1 43	26 18	9 57	16 28	16 42	27 4	11 17	0 19
S 7	8 26	22 41	5 13	18 47	3 4	0 23	1 32	22 15	0 12	23 36	0 5	22 36	0 52	3 27	0 43	5 54	1 43	26 18	9 56	16 27	16 41	27 5	11 16	0 19
M 8	8 48	18 20	5 10	18 47	3 1	0s 7	1 32	22 18	0 10	23 36	0 6	22 36	0 52	3 25	0 43	5 54	1 43	26 18	9 56	16 27	16 40	27 5	11 15	0 19
T 9	9 11	13 5	4 50	18 44	2 56	0 37	1 32	22 20	0 7	23 36	0 6	22 36	0 52	3 24	0 43	5 55	1 43	26 18	9 56	16 26	16 39	27 6	11 14	0 19
W10	9 33	7 19	4 14	18 37	2 50	1 7	1 32	22 23	0 5	23 37	0 6	22 36	0 52	3 23	0 43	5 56	1 43	26 18	9 56	16 25	16 38	27 7	11 13	0 20
T 11	9 55	1 18	3 25	18 26	2 42	1 37	1 32	22 25	0 2	23 37	0 6	22 36	0 52	3 21	0 43	5 57	1 43	26 18	9 56	16 24	16 37	27 7	11 12	0 20
F 12	10 17	4n40	2 25	18 10	2 33	2 7	1 31	22 28	0n 0	23 37	0 6	22 36	0 52	3 20	0 43	5 58	1 43	26 18	9 56	16 23	16 36	27 8	11 11	0 20
S 13	10 38	10 22	1 20	17 50	2 22	2 36	1 31	22 30	0 3	23 37	0 6	22 36	0 52	3 19	0 43	5 59	1 43	26 17	9 55	16 23	16 35	27 9	11 10	0 20
S 14	11 0	15 32	0 12	17 25	2 9	3 6	1 31	22 32	0 5	23 38	0 6	22 36	0 52	3 17	0 43	5 59	1 43	26 17	9 55	16 23	16 35	27 9	11 8	0 20
M15	11 21	20 0	0n56	16 56	1 54	3 36	1 30	22 34	0 8	23 38	0 6	22 36	0 52	3 16	0 44	6 0	1 43	26 17	9 55	16 23	16 34	27 10	11 7	0 20
T 16	11 43	23 33	2 0	16 22	1 38	4 6	1 29	22 36	0 11	23 38	0 6	22 36	0 52	3 15	0 44	6 1	1 43	26 17	9 55	16 23	16 33	27 10	11 6	0 20
W17	12 4	26 2	2 58	15 44	1 21	4 36	1 29	22 38	0 13	23 38	0 6	22 36	0 51	3 14	0 44	6 2	1 43	26 17	9 55	16 23	16 32	27 11	11 5	0 20
T 18	12 24	27 20	3 48	15 2	1 2	5 5	1 28	22 40	0 16	23 38	0 6	22 36	0 51	3 12	0 44	6 3	1 43	26 17	9 54	16 24	16 31	27 12	11 4	0 20
F 19	12 45	27 22	4 28	14 18	0 42	5 35	1 27	22 42	0 19	23 38	0 7	22 36	0 51	3 11	0 44	6 4	1 43	26 17	9 54	16 24	16 30	27 12	11 3	0 20
S 20	13 6	26 10	4 57	13 32	0 21	6 4	1 27	22 44	0 22	23 39	0 7	22 36	0 51	3 10	0 44	6 4	1 43	26 16	9 54	16 24	16 29	27 13	11 2	0 20
S 21	13 26	23 45	5 14	12 46	0 0	6 33	1 26	22 45	0 24	23 39	0 7	22 36	0 51	3 9	0 44	6 5	1 43	26 16	9 54	16 24	16 28	27 13	11 0	0 21
M22	13 46	20 15	5 16	12 1	0n20	7 3	1 25	22 47	0 27	23 39	0 7	22 37	0 51	3 8	0 44	6 6	1 43	26 16	9 54	16 24	16 27	27 14	10 59	0 21
T 23	14 6	15 46	5 4	11 18	0 40	7 32	1 24	22 48	0 30	23 39	0 7	22 37	0 51	3 6	0 44	6 7	1 43	26 16	9 53	16 24	16 26	27 14	10 58	0 21
W24	14 25	10 30	4 37	10 38	0 58	8 0	1 23	22 49	0 33	23 39	0 7	22 37	0 51	3 5	0 44	6 8	1 43	26 15	9 53	16 24	16 25	27 15	10 57	0 21
T 25	14 45	4 36	3 54	10 4	1 15	8 29	1 22	22 50	0 36	23 39	0 7	22 37	0 51	3 4	0 44	6 8	1 43	26 15	9 53	16 24	16 24	27 15	10 56	0 21
F 26	15 4	1s41	2 57	9 34	1 30	8 58	1 20	22 51	0 39	23 39	0 7	22 37	0 51	3 3	0 44	6 9	1 43	26 15	9 53	16 23	16 23	27 16	10 55	0 21
S 27	15 23	8 5	1 48	9 10	1 44	9 26	1 19	22 52	0 42	23 39	0 7	22 37	0 51	3 2	0 44	6 10	1 43	26 15	9 53	16 23	16 22	27 17	10 54	0 21
S 28	15 41	14 15	0 30	8 52	1 55	9 54	1 18	22 53	0 45	23 39	0 7	22 37	0 51	3 1	0 44	6 11	1 43	26 15	9 52	16 23	16 21	27 17	10 53	0 21
M29	16 0	19 43	0s51	8 41	2 4	10 22	1 16	22 54	0 48	23 39	0 8	22 37	0 51	3 0	0 44	6 11	1 43	26 14	9 52	16 23	16 21	27 18	10 52	0 21
T 30	16 18	24 1	2 9	8 35	2 12	10 49	1 15	22 54	0 51	23 39	0 8	22 37	0 51	2 59	0 44	6 12	1 43	26 14	9 52	16 23	16 20	27 18	10 50	0 21
W31	16s35	26s42	3s19	8s34	2n18	11s17	1n14	22n55	0n54	23s39	0s 8	22n37	0s51	2n58	0n44	6s13	1n43	26s14	9s52	16n23	16n19	27n19	10n49	0s21

Julian Day Number = 2194695.5, Delta T = 10m29s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°55'56, Lahiri = 14°02'57 Julian Calendar 1 Oct. 1296 == Greg. Calendar 8 Oct. 1296

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ASTRODIENST EPHEMERIS for the year 1296
geocentric

NOVEMBER 1296 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	3 12 1	16♏39'39	8♑30	28♎ 7	3♏53	9°R38	1♑46	3°R51	24♍18	19♎56	13♒36	14°R58	14♉39	2♋15	28°R56	T 1
F 2	3 15 57	17°40'17	23° 1	28°39	5° 8	9♊20	1°58	3♋48	24°21	19°58	13°36	14♉57	14°36	2°21	28♈53	F 2
S 3	3 19 54	18°40'57	7♒17	29°19	6°24	9° 1	2°10	3°46	24°24	20° 0	13°36	14°57	14°33	2°28	28°51	S 3
S 4	3 23 50	19°41'38	21°14	0♏ 6	7°39	8°41	2°22	3°43	24°26	20° 2	13°37	14°D57	14°29	2°35	28°48	S 4
M 5	3 27 47	20°42'20	4♓53	0°59	8°55	8°20	2°34	3°40	24°29	20° 4	13°37	14°57	14°26	2°41	28°45	M 5
T 6	3 31 44	21°43'02	18°14	1°59	10°10	8° 0	2°46	3°37	24°31	20° 6	13°38	14°58	14°23	2°48	28°42	T 6
W 7	3 35 40	22°43'46	1♈19	3° 2	11°25	7°38	2°58	3°34	24°33	20° 8	13°38	14°59	14°20	2°55	28°40	W 7
T 8	3 39 37	23°44'31	14° 8	4°11	12°41	7°17	3°11	3°31	24°36	20°10	13°39	14°59	14°17	3° 1	28°37	T 8
F 9	3 43 33	24°45'18	26°44	5°22	13°56	6°55	3°23	3°28	24°38	20°12	13°39	15° 0	14°14	3° 8	28°34	F 9
S 10	3 47 30	25°46'05	9♉ 8	6°37	15°12	6°32	3°35	3°24	24°40	20°14	13°40	15°R 1	14°10	3°15	28°32	S 10
S 11	3 51 26	26°46'53	21°22	7°54	16°27	6°10	3°48	3°21	24°43	20°16	13°40	15° 1	14° 7	3°22	28°29	S 11
M12	3 55 23	27°47'43	3♊27	9°14	17°43	5°47	4° 0	3°17	24°45	20°18	13°41	15° 0	14° 4	3°28	28°27	M12
T 13	3 59 19	28°48'34	15°26	10°36	18°58	5°24	4°13	3°14	24°47	20°19	13°42	14°59	14° 1	3°35	28°24	T 13
W14	4 3 16	29°49'27	27°19	11°59	20°14	5° 1	4°26	3°10	24°49	20°21	13°42	14°56	13°58	3°42	28°22	W14
T 15	4 7 13	0♐50'20	9♋10	13°24	21°29	4°38	4°38	3° 6	24°51	20°23	13°43	14°54	13°54	3°48	28°19	T 15
F 16	4 11 9	1°51'15	21° 0	14°50	22°45	4°14	4°51	3° 3	24°53	20°25	13°44	14°51	13°51	3°55	28°17	F 16
S 17	4 15 6	2°52'11	2♌53	16°17	24° 0	3°51	5° 4	2°59	24°55	20°27	13°44	14°49	13°48	4° 2	28°15	S 17
S 18	4 19 2	3°53'08	14°52	17°44	25°16	3°28	5°17	2°55	24°57	20°29	13°45	14°47	13°45	4° 8	28°12	S 18
M19	4 22 59	4°54'07	27° 2	19°13	26°31	3° 5	5°30	2°51	24°59	20°30	13°46	14°45	13°42	4°15	28°10	M19
T 20	4 26 55	5°55'06	9♍27	20°42	27°47	2°42	5°43	2°47	25° 1	20°32	13°47	14°D45	13°39	4°22	28° 8	T 20
W21	4 30 52	6°56'07	22°12	22°12	29° 2	2°20	5°56	2°42	25° 3	20°34	13°48	14°46	13°35	4°28	28° 6	W21
T 22	4 34 48	7°57'09	5♎19	23°42	0♐18	1°57	6° 9	2°38	25° 4	20°35	13°48	14°47	13°32	4°35	28° 4	T 22
F 23	4 38 45	8°58'12	18°54	25°12	1°33	1°35	6°23	2°34	25° 6	20°37	13°49	14°49	13°29	4°42	28° 1	F 23
S 24	4 42 42	9°59'17	2♏55	26°43	2°49	1°14	6°36	2°29	25° 8	20°39	13°50	14°50	13°26	4°49	27°59	S 24
S 25	4 46 38	11° 0'22	17°23	28°14	4° 4	0°52	6°49	2°25	25° 9	20°40	13°51	14°R51	13°23	4°55	27°57	S 25
M26	4 50 35	12° 1'28	2♐14	29°45	5°20	0°32	7° 2	2°21	25°11	20°42	13°52	14°50	13°20	5° 2	27°55	M26
T 27	4 54 31	13° 2'35	17°20	1♑17	6°35	0°11	7°16	2°16	25°12	20°43	13°53	14°47	13°16	5° 9	27°54	T 27
W28	4 58 28	14° 3'43	2♑32	2°49	7°51	29♉52	7°29	2°12	25°14	20°45	13°54	14°44	13°13	5°15	27°52	W28
T 29	5 2 24	15° 4'51	17°40	4°21	9° 7	29°32	7°43	2° 7	25°15	20°46	13°55	14°39	13°10	5°22	27°50	T 29
F 30	5 6 21	16♐ 5'59	2♒34	5♐53	10♐22	29♉14	7♑56	2♋ 2	25♍16	20♎48	13♒56	14♉35	13♉ 7	5♋29	27♈48	F 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	16s53	27s30	4s16	8s38	2n22	11s44	1n12	22n55	0n57	23s39	0s 8	22n37	0s51	2n57	0n44	6s14	1n43	26s13	9s51	16n23	16n18	27n19	10n48	0s21
F 2	17 10	26 24	4 55	8 47	2 24	12 11	1 10	22 55	1 0	23 39	0 8	22 37	0 51	2 56	0 44	6 14	1 43	26 13	9 51	16 23	16 17	27 19	10 47	0 21
S 3	17 27	23 35	5 15	9 0	2 26	12 37	1 9	22 55	1 3	23 39	0 8	22 38	0 51	2 55	0 44	6 15	1 43	26 13	9 51	16 23	16 16	27 20	10 46	0 22
S 4	17 44	19 27	5 15	9 17	2 26	13 4	1 7	22 55	1 6	23 39	0 8	22 38	0 51	2 54	0 44	6 16	1 43	26 12	9 51	16 23	16 15	27 20	10 45	0 22
M 5	18 0	14 23	4 58	9 36	2 25	13 29	1 5	22 55	1 9	23 39	0 8	22 38	0 51	2 53	0 44	6 17	1 43	26 12	9 51	16 23	16 14	27 21	10 44	0 22
T 6	18 16	8 44	4 26	9 59	2 23	13 55	1 4	22 54	1 11	23 38	0 8	22 38	0 51	2 52	0 44	6 17	1 43	26 12	9 50	16 23	16 13	27 21	10 43	0 22
W 7	18 32	2 50	3 39	10 23	2 20	14 20	1 2	22 54	1 14	23 38	0 8	22 38	0 51	2 51	0 44	6 18	1 44	26 11	9 50	16 23	16 12	27 22	10 42	0 22
T 8	18 47	3n 5	2 43	10 49	2 16	14 45	1 0	22 53	1 17	23 38	0 8	22 38	0 51	2 50	0 44	6 19	1 44	26 11	9 50	16 24	16 11	27 22	10 41	0 22
F 9	19 2	8 48	1 40	11 17	2 12	15 10	0 58	22 52	1 20	23 38	0 8	22 38	0 51	2 49	0 44	6 20	1 44	26 11	9 50	16 24	16 10	27 23	10 40	0 22
S 10	19 16	14 5	0 33	11 46	2 7	15 34	0 56	22 51	1 23	23 38	0 9	22 38	0 51	2 48	0 44	6 20	1 44	26 10	9 50	16 24	16 9	27 23	10 39	0 22
S 11	19 31	18 44	0n35	12 16	2 2	15 57	0 54	22 50	1 26	23 37	0 9	22 39	0 51	2 47	0 44	6 21	1 44	26 10	9 49	16 24	16 8	27 23	10 38	0 22
M12	19 45	22 34	1 40	12 47	1 57	16 21	0 52	22 48	1 28	23 37	0 9	22 39	0 51	2 46	0 44	6 22	1 44	26 10	9 49	16 24	16 7	27 24	10 37	0 22
T 13	19 58	25 23	2 41	13 18	1 51	16 43	0 50	22 47	1 31	23 37	0 9	22 39	0 51	2 45	0 44	6 22	1 44	26 9	9 49	16 24	16 6	27 24	10 36	0 22
W14	20 11	27 3	3 33	13 50	1 44	17 6	0 48	22 45	1 34	23 36	0 9	22 39	0 51	2 45	0 44	6 23	1 44	26 9	9 49	16 23	16 5	27 25	10 35	0 22
T 15	20 24	27 29	4 16	14 22	1 38	17 28	0 46	22 44	1 36	23 36	0 9	22 39	0 51	2 44	0 44	6 24	1 44	26 9	9 49	16 22	16 4	27 25	10 34	0 22
F 16	20 37	26 38	4 49	14 54	1 31	17 49	0 44	22 42	1 39	23 36	0 9	22 39	0 51	2 43	0 44	6 24	1 44	26 8	9 49	16 21	16 4	27 25	10 33	0 23
S 17	20 49	24 35	5 9	15 25	1 24	18 10	0 42	22 40	1 42	23 35	0 9	22 39	0 51	2 42	0 44	6 25	1 44	26 8	9 48	16 21	16 3	27 26	10 32	0 23
S 18	21 1	21 27	5 15	15 57	1 17	18 31	0 40	22 38	1 44	23 35	0 9	22 39	0 51	2 42	0 45	6 25	1 44	26 7	9 48	16 20	16 2	27 26	10 31	0 23
M19	21 12	17 22	5 8	16 28	1 10	18 51	0 37	22 36	1 46	23 34	0 9	22 40	0 51	2 41	0 45	6 26	1 44	26 7	9 48	16 20	16 1	27 26	10 31	0 23
T 20	21 23	12 28	4 47	16 59	1 3	19 10	0 35	22 33	1 49	23 34	0 9	22 40	0 50	2 40	0 45	6 27	1 44	26 7	9 48	16 20	16 0	27 27	10 30	0 23
W21	21 33	6 57	4 11	17 29	0 56	19 29	0 33	22 31	1 51	23 33	0 10	22 40	0 50	2 40	0 45	6 27	1 44	26 6	9 48	16 20	15 59	27 27	10 29	0 23
T 22	21 43	0 57	3 21	17 59	0 49	19 48	0 31	22 29	1 53	23 33	0 10	22 40	0 50	2 39	0 45	6 28	1 44	26 6	9 47	16 20	15 58	27 27	10 28	0 23
F 23	21 53	5s18	2 18	18 28	0 41	20 5	0 28	22 26	1 55	23 32	0 10	22 40	0 50	2 38	0 45	6 28	1 44	26 5	9 47	16 21	15 57	27 28	10 27	0 23
S 24	22 2	11 31	1 5	18 57	0 34	20 23	0 26	22 24	1 57	23 32	0 10	22 40	0 50	2 38	0 45	6 29	1 44	26 5	9 47	16 21	15 56	27 28	10 26	0 23
S 25	22 11	17 19	0s14	19 24	0 27	20 39	0 24	22 21	1 59	23 31	0 10	22 40	0 50	2 37	0 45	6 30	1 44	26 4	9 47	16 21	15 55	27 28	10 26	0 23
M26	22 19	22 13	1 34	19 51	0 20	20 56	0 21	22 19	2 1	23 31	0 10	22 41	0 50	2 36	0 45	6 30	1 44	26 4	9 47	16 21	15 54	27 29	10 25	0 23
T 27	22 27	25 44	2 49	20 18	0 13	21 11	0 19	22 16	2 3	23 30	0 10	22 41	0 50	2 36	0 45	6 31	1 44	26 3	9 47	16 20	15 53	27 29	10 24	0 23
W28	22 35	27 22	3 52	20 43	0 6	21 26	0 17	22 14	2 5	23 29	0 10	22 41	0 50	2 35	0 45	6 31	1 44	26 3	9 46	16 19	15 52	27 29	10 23	0 23
T 29	22 42	26 58	4 39	21 7	0s 1	21 40	0 14	22 11	2 7	23 29	0 10	22 41	0 50	2 35	0 45	6 32	1 44	26 2	9 46	16 18	15 51	27 29	10 23	0 23
F 30	22s48	24s37	5s 6	21s31	0s 8	21s54	0n12	22n 9	2n 8	23s28	0s10	22n41	0s50	2n34	0n45	6s32	1n45	26s 2	9s46	16n16	15n50	27n30	10n22	0s24

Julian Day Number = 2194726.5, Delta T = 10m29s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'01, Lahiri = 14°03'01 Julian Calendar 1 Nov. 1296 == Greg. Calendar 8 Nov. 1296

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ASTRODIENST EPHEMERIS for the year 1296
geocentric

DECEMBER 1296 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 10 17	17♐ 7'08	17♒ 8	7♐26	11♐38	28°R56	8♑10	1°R58	25♍18	20♎49	13♒57	14°R31	13♉ 4	5♋35	27°R46	S 1
S 2	5 14 14	18° 8'17	1♓16	8°58	12°53	28♉39	8°23	1♋53	25°19	20°51	13°58	14♉28	13° 0	5°42	27♈45	S 2
M 3	5 18 11	19° 9'26	14°59	10°31	14° 9	28°22	8°37	1°48	25°20	20°52	13°59	14°D27	12°57	5°49	27°43	M 3
T 4	5 22 7	20°10'36	28°16	12° 4	15°24	28° 6	8°51	1°43	25°21	20°53	14° 0	14°27	12°54	5°56	27°42	T 4
W 5	5 26 4	21°11'45	11♈11	13°38	16°40	27°51	9° 4	1°38	25°22	20°55	14° 2	14°28	12°51	6° 2	27°40	W 5
T 6	5 30 0	22°12'54	23°47	15°11	17°55	27°37	9°18	1°34	25°23	20°56	14° 3	14°30	12°48	6° 9	27°39	T 6
F 7	5 33 57	23°14'04	6♉ 8	16°45	19°11	27°23	9°32	1°29	25°24	20°57	14° 4	14°31	12°45	6°16	27°37	F 7
S 8	5 37 53	24°15'14	18°18	18°19	20°26	27°10	9°46	1°24	25°25	20°59	14° 5	14°R31	12°41	6°22	27°36	S 8
S 9	5 41 50	25°16'24	0♊19	19°53	21°42	26°58	10° 0	1°19	25°26	21° 0	14° 6	14°30	12°38	6°29	27°35	S 9
M10	5 45 47	26°17'34	12°15	21°27	22°57	26°47	10°13	1°14	25°26	21° 1	14° 8	14°26	12°35	6°36	27°34	M10
T 11	5 49 43	27°18'44	24° 8	23° 2	24°13	26°36	10°27	1° 9	25°27	21° 2	14° 9	14°21	12°32	6°42	27°32	T 11
W12	5 53 40	28°19'54	5♋59	24°37	25°28	26°27	10°41	1° 4	25°28	21° 3	14°10	14°13	12°29	6°49	27°31	W12
T 13	5 57 36	29°21'04	17°50	26°12	26°44	26°18	10°55	0°59	25°28	21° 4	14°12	14° 4	12°26	6°56	27°30	T 13
F 14	6 1 33	0♑22'15	29°43	27°48	27°59	26°10	11° 9	0°54	25°29	21° 5	14°13	13°55	12°22	7° 3	27°29	F 14
S 15	6 5 29	1°23'25	11♌39	29°24	29°15	26° 3	11°23	0°49	25°29	21° 6	14°14	13°46	12°19	7° 9	27°28	S 15
S 16	6 9 26	2°24'36	23°42	1♑ 0	0♑30	25°57	11°37	0°44	25°30	21° 8	14°16	13°38	12°16	7°16	27°27	S 16
M17	6 13 22	3°25'47	5♍53	2°36	1°46	25°51	11°51	0°39	25°30	21° 8	14°17	13°32	12°13	7°23	27°27	M17
T 18	6 17 19	4°26'58	18°16	4°13	3° 1	25°46	12° 5	0°34	25°30	21° 9	14°18	13°28	12°10	7°29	27°26	T 18
W19	6 21 16	5°28'09	0♎55	5°51	4°17	25°42	12°19	0°29	25°31	21°10	14°20	13°D26	12° 6	7°36	27°25	W19
T 20	6 25 12	6°29'20	13°54	7°29	5°32	25°39	12°33	0°24	25°31	21°11	14°21	13°27	12° 3	7°43	27°25	T 20
F 21	6 29 9	7°30'31	27°17	9° 7	6°48	25°37	12°47	0°19	25°31	21°12	14°23	13°27	12° 0	7°49	27°24	F 21
S 22	6 33 5	8°31'43	11♏ 6	10°46	8° 3	25°36	13° 1	0°14	25°31	21°13	14°24	13°R28	11°57	7°56	27°23	S 22
S 23	6 37 2	9°32'54	25°24	12°25	9°19	25°D35	13°15	0° 9	25°R31	21°14	14°26	13°28	11°54	8° 3	27°23	S 23
M24	6 40 58	10°34'06	10♐ 8	14° 4	10°34	25°35	13°29	0° 5	25°31	21°14	14°27	13°25	11°51	8° 9	27°23	M24
T 25	6 44 55	11°35'17	25°13	15°44	11°50	25°36	13°43	29♊59	25°31	21°15	14°29	13°20	11°47	8°16	27°22	T 25
W26	6 48 51	12°36'28	10♑31	17°24	13° 5	25°37	13°58	29°55	25°31	21°16	14°30	13°12	11°44	8°23	27°22	W26
T 27	6 52 48	13°37'38	25°51	19° 5	14°21	25°40	14°12	29°50	25°31	21°16	14°32	13° 2	11°41	8°30	27°22	T 27
F 28	6 56 45	14°38'48	11♒ 1	20°46	15°36	25°43	14°26	29°45	25°30	21°17	14°33	12°53	11°38	8°36	27°22	F 28
S 29	7 0 41	15°39'57	25°51	22°28	16°52	25°47	14°40	29°41	25°30	21°18	14°35	12°43	11°35	8°43	27°22	S 29
S 30	7 4 38	16°41'06	10♓15	24°10	18° 7	25°51	14°54	29°36	25°30	21°18	14°36	12°36	11°32	8°50	27°D22	S 30
M31	7 8 34	17♑42'13	24♓ 8	25♑52	19♑22	25♉56	15♑ 8	29♊31	25♍29	21♎19	14♒38	12♉31	11♉28	8♋56	27♈22	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s54	20s43	5s12	21s53	0s15	22s 7	0n 9	22n 6	2n10	23s27	0s10	22n41	0s50	2n34	0n45	6s33	1n45	26s 2	9s46	16n15	15n49	27n30	10n21	0s24
S 2	23 0	15 43	4 59	22 15	0 22	22 19	0 7	22 4	2 11	23 26	0 11	22 42	0 50	2 34	0 45	6 33	1 45	26 1	9 46	16 14	15 48	27 30	10 21	0 24
M 3	23 5	10 4	4 29	22 35	0 29	22 31	0 5	22 2	2 13	23 26	0 11	22 42	0 50	2 33	0 45	6 34	1 45	26 1	9 46	16 14	15 47	27 30	10 20	0 24
T 4	23 10	4 8	3 46	22 54	0 35	22 42	0 2	21 59	2 14	23 25	0 11	22 42	0 49	2 33	0 45	6 34	1 45	26 0	9 45	16 14	15 46	27 31	10 19	0 24
W 5	23 14	1n48	2 52	23 13	0 41	22 52	0s 0	21 57	2 15	23 24	0 11	22 42	0 49	2 32	0 45	6 35	1 45	26 0	9 45	16 15	15 45	27 31	10 19	0 24
T 6	23 18	7 33	1 51	23 30	0 48	23 2	0 3	21 55	2 16	23 23	0 11	22 42	0 49	2 32	0 45	6 35	1 45	25 59	9 45	16 15	15 44	27 31	10 18	0 24
F 7	23 22	12 54	0 46	23 45	0 54	23 10	0 5	21 53	2 18	23 22	0 11	22 42	0 49	2 32	0 45	6 35	1 45	25 59	9 45	16 15	15 43	27 31	10 18	0 24
S 8	23 24	17 40	0n20	24 0	0 59	23 19	0 7	21 51	2 19	23 21	0 11	22 42	0 49	2 31	0 45	6 36	1 45	25 58	9 45	16 15	15 42	27 31	10 17	0 24
S 9	23 27	21 41	1 25	24 14	1 5	23 26	0 10	21 49	2 20	23 20	0 11	22 43	0 49	2 31	0 45	6 36	1 45	25 58	9 45	16 15	15 41	27 32	10 17	0 24
M10	23 29	24 44	2 25	24 26	1 11	23 33	0 12	21 47	2 21	23 19	0 11	22 43	0 49	2 31	0 45	6 37	1 45	25 57	9 45	16 14	15 40	27 32	10 16	0 24
T 11	23 30	26 42	3 18	24 37	1 16	23 39	0 15	21 46	2 21	23 18	0 11	22 43	0 49	2 31	0 45	6 37	1 45	25 57	9 44	16 12	15 40	27 32	10 16	0 24
W12	23 31	27 26	4 2	24 46	1 21	23 44	0 17	21 44	2 22	23 17	0 11	22 43	0 49	2 30	0 45	6 37	1 45	25 56	9 44	16 10	15 39	27 32	10 15	0 24
T 13	23 32	26 54	4 36	24 55	1 26	23 49	0 19	21 43	2 23	23 16	0 12	22 43	0 49	2 30	0 45	6 38	1 45	25 56	9 44	16 7	15 38	27 32	10 15	0 24
F 14	23 32	25 8	4 58	25 1	1 31	23 53	0 22	21 42	2 24	23 15	0 12	22 43	0 48	2 30	0 46	6 38	1 45	25 55	9 44	16 5	15 37	27 32	10 14	0 24
S 15	23 31	22 16	5 7	25 7	1 35	23 56	0 24	21 41	2 24	23 14	0 12	22 43	0 48	2 30	0 46	6 38	1 45	25 55	9 44	16 2	15 36	27 33	10 14	0 24
S 16	23 31	18 25	5 2	25 11	1 39	23 58	0 26	21 40	2 25	23 13	0 12	22 44	0 48	2 30	0 46	6 39	1 45	25 54	9 44	15 59	15 35	27 33	10 14	0 25
M17	23 29	13 47	4 44	25 14	1 43	24 0	0 28	21 39	2 26	23 12	0 12	22 44	0 48	2 30	0 46	6 39	1 45	25 53	9 44	15 58	15 34	27 33	10 13	0 25
T 18	23 27	8 32	4 13	25 15	1 47	24 1	0 31	21 38	2 26	23 11	0 12	22 44	0 48	2 29	0 46	6 39	1 46	25 53	9 44	15 57	15 33	27 33	10 13	0 25
W19	23 25	2 49	3 28	25 14	1 50	24 1	0 33	21 38	2 26	23 10	0 12	22 44	0 48	2 29	0 46	6 40	1 46	25 52	9 44	15 56	15 32	27 33	10 13	0 25
T 20	23 22	3s10	2 32	25 12	1 53	24 0	0 35	21 37	2 27	23 8	0 12	22 44	0 48	2 29	0 46	6 40	1 46	25 52	9 43	15 56	15 31	27 33	10 12	0 25
F 21	23 19	9 13	1 26	25 9	1 56	23 59	0 37	21 37	2 27	23 7	0 12	22 44	0 48	2 29	0 46	6 40	1 46	25 51	9 43	15 56	15 30	27 33	10 12	0 25
S 22	23 15	15 1	0 13	25 4	1 59	23 56	0 39	21 37	2 28	23 6	0 12	22 44	0 48	2 29	0 46	6 40	1 46	25 51	9 43	15 57	15 29	27 33	10 12	0 25
S 23	23 11	20 13	1s 4	24 57	2 1	23 54	0 41	21 37	2 28	23 5	0 12	22 44	0 47	2 29	0 46	6 41	1 46	25 50	9 43	15 56	15 28	27 33	10 12	0 25
M24	23 7	24 19	2 18	24 49	2 3	23 50	0 44	21 37	2 28	23 3	0 13	22 45	0 47	2 29	0 46	6 41	1 46	25 50	9 43	15 56	15 27	27 33	10 11	0 25
T 25	23 1	26 50	3 24	24 39	2 4	23 46	0 46	21 38	2 28	23 2	0 13	22 45	0 47	2 30	0 46	6 41	1 46	25 49	9 43	15 54	15 26	27 33	10 11	0 25
W26	22 56	27 22	4 16	24 28	2 5	23 41	0 48	21 38	2 28	23 1	0 13	22 45	0 47	2 30	0 46	6 41	1 46	25 49	9 43	15 52	15 25	27 34	10 11	0 25
T 27	22 50	25 49	4 50	24 14	2 6	23 35	0 50	21 39	2 28	22 59	0 13	22 45	0 47	2 30	0 46	6 41	1 46	25 48	9 43	15 49	15 24	27 34	10 11	0 25
F 28	22 43	22 24	5 4	23 59	2 6	23 28	0 52	21 40	2 29	22 58	0 13	22 45	0 47	2 30	0 46	6 42	1 46	25 48	9 43	15 46	15 23	27 34	10 11	0 25
S 29	22 37	17 35	4 56	23 43	2 5	23 21	0 53	21 41	2 29	22 56	0 13	22 45	0 47	2 30	0 46	6 42	1 46	25 47	9 43	15 43	15 22	27 34	10 11	0 25
S 30	22 29	11 54	4 29	23 24	2 5	23 13	0 55	21 42	2 29	22 55	0 13	22 45	0 47	2 30	0 46	6 42	1 46	25 46	9 43	15 41	15 21	27 34	10 11	0 25
M31	22s21	5s49	3s48	23s 4	2s 3	23s 4	0s57	21n43	2n29	22s53	0s13	22n45	0s46	2n30	0n46	6s42	1n46	25s46	9s43	15n39	15n20	27n34	10n11	0s25

Julian Day Number = 2194756.5, Delta T = 10m29s
Ecliptic obliquity = 23°31'56, Nutation = - 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'05, Lahiri = 14°03'05 Julian Calendar 1 Dec. 1296 == Greg. Calendar 8 Dec. 1296

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

JANUARY 1297 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 12 31	18♑43'20	7♈32	27♑34	20♑38	26♉ 2	15♑22	29°R27	25°R29	21♎19	14♒39	12°R29	11♉25	9♋ 3	27♈22	T 1
W 2	7 16 27	19°44'25	20°29	29°17	21°53	26° 9	15°36	29♊22	25♍28	21°20	14°41	12°D28	11°22	9°10	27°22	W 2
T 3	7 20 24	20°45'30	3♉ 2	0♒59	23° 9	26°16	15°50	29°18	25°27	21°20	14°43	12♉29	11°19	9°17	27°22	T 3
F 4	7 24 20	21°46'33	15°18	2°42	24°24	26°24	16° 4	29°14	25°27	21°20	14°44	12°R29	11°16	9°23	27°22	F 4
S 5	7 28 17	22°47'36	27°21	4°24	25°39	26°33	16°18	29° 9	25°26	21°21	14°46	12°28	11°12	9°30	27°23	S 5
S 6	7 32 14	23°48'37	9♊16	6° 6	26°55	26°42	16°33	29° 5	25°25	21°21	14°48	12°24	11° 9	9°37	27°23	S 6
M 7	7 36 10	24°49'38	21° 7	7°48	28°10	26°52	16°47	29° 1	25°25	21°21	14°49	12°18	11° 6	9°43	27°24	M 7
T 8	7 40 7	25°50'38	2♋56	9°28	29°25	27° 2	17° 1	28°56	25°24	21°22	14°51	12° 9	11° 3	9°50	27°24	T 8
W 9	7 44 3	26°51'36	14°47	11° 8	0♒41	27°14	17°15	28°52	25°23	21°22	14°53	11°57	11° 0	9°57	27°25	W 9
T 10	7 48 0	27°52'34	26°42	12°46	1°56	27°25	17°29	28°48	25°22	21°22	14°54	11°43	10°57	10° 3	27°25	T 10
F 11	7 51 56	28°53'30	8♌40	14°23	3°11	27°37	17°43	28°44	25°21	21°22	14°56	11°29	10°53	10°10	27°26	F 11
S 12	7 55 53	29°54'26	20°45	15°58	4°27	27°50	17°57	28°40	25°20	21°22	14°58	11°15	10°50	10°17	27°27	S 12
S 13	7 59 50	0♒55'20	2♍56	17°30	5°42	28° 3	18°11	28°37	25°19	21°22	14°59	11° 2	10°47	10°24	27°28	S 13
M14	8 3 46	1°56'14	15°15	18°59	6°57	28°17	18°24	28°33	25°17	21°R22	15° 1	10°52	10°44	10°30	27°29	M14
T 15	8 7 43	2°57'06	27°45	20°24	8°13	28°31	18°38	28°29	25°16	21°22	15° 3	10°45	10°41	10°37	27°30	T 15
W16	8 11 39	3°57'58	10♎27	21°45	9°28	28°46	18°52	28°26	25°15	21°22	15° 4	10°41	10°38	10°44	27°31	W16
T 17	8 15 36	4°58'48	23°24	23° 1	10°43	29° 1	19° 6	28°22	25°14	21°22	15° 6	10°39	10°34	10°50	27°32	T 17
F 18	8 19 32	5°59'38	6♏41	24°11	11°58	29°17	19°20	28°19	25°12	21°22	15° 8	10°39	10°31	10°57	27°33	F 18
S 19	8 23 29	7° 0'27	20°19	25°15	13°13	29°33	19°34	28°15	25°11	21°22	15°10	10°38	10°28	11° 4	27°34	S 19
S 20	8 27 25	8° 1'15	4♐22	26°11	14°29	29°50	19°48	28°12	25° 9	21°22	15°11	10°37	10°25	11°10	27°35	S 20
M21	8 31 22	9° 2'02	18°49	27° 0	15°44	0♊ 7	20° 1	28° 9	25° 8	21°22	15°13	10°34	10°22	11°17	27°37	M21
T 22	8 35 19	10° 2'48	3♑37	27°39	16°59	0°25	20°15	28° 6	25° 6	21°21	15°15	10°27	10°18	11°24	27°38	T 22
W23	8 39 15	11° 3'33	18°41	28°10	18°14	0°43	20°29	28° 3	25° 5	21°21	15°17	10°18	10°15	11°31	27°39	W23
T 24	8 43 12	12° 4'17	3♒51	28°30	19°29	1° 1	20°42	28° 0	25° 3	21°21	15°18	10° 7	10°12	11°37	27°41	T 24
F 25	8 47 8	13° 4'59	18°58	28°R40	20°44	1°20	20°56	27°57	25° 1	21°20	15°20	9°55	10° 9	11°44	27°42	F 25
S 26	8 51 5	14° 5'39	3♓51	28°39	22° 0	1°39	21°10	27°55	25° 0	21°20	15°22	9°43	10° 6	11°51	27°44	S 26
S 27	8 55 1	15° 6'18	18°21	28°28	23°15	1°59	21°23	27°52	24°58	21°20	15°24	9°34	10° 3	11°57	27°46	S 27
M28	8 58 58	16° 6'55	2♈22	28° 7	24°30	2°19	21°37	27°50	24°56	21°19	15°25	9°27	9°59	12° 4	27°47	M28
T 29	9 2 54	17° 7'31	15°54	27°35	25°45	2°39	21°50	27°47	24°54	21°19	15°27	9°23	9°56	12°11	27°49	T 29
W30	9 6 51	18° 8'04	28°58	26°55	27° 0	3° 0	22° 3	27°45	24°52	21°18	15°29	9°21	9°53	12°18	27°51	W30
T 31	9 10 48	19♒ 8'36	11♉36	26♒ 6	28♒15	3♊21	22♑17	27♊43	24♍51	21♎18	15♒31	9°D21	9♉50	12♋24	27♈53	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s13	0n20	2s55	22s43	2s 2	22s55	0s59	21n45	2n29	22s52	0s13	22n46	0s46	2n31	0n46	6s42	1n46	25s45	9s42	15n39	15n19	27n34	10n11	0s25
W 2	22 4	6 16	1 54	22 19	1 59	22 45	1 1	21 46	2 29	22 50	0 13	22 46	0 46	2 31	0 46	6 42	1 46	25 45	9 42	15 38	15 18	27 34	10 11	0 26
T 3	21 55	11 47	0 50	21 54	1 56	22 34	1 2	21 48	2 28	22 49	0 14	22 46	0 46	2 31	0 46	6 42	1 47	25 44	9 42	15 38	15 17	27 34	10 11	0 26
F 4	21 46	16 44	0n15	21 28	1 53	22 22	1 4	21 50	2 28	22 47	0 14	22 46	0 46	2 32	0 46	6 42	1 47	25 44	9 42	15 39	15 16	27 34	10 11	0 26
S 5	21 36	20 55	1 18	20 59	1 49	22 10	1 6	21 52	2 28	22 46	0 14	22 46	0 46	2 32	0 46	6 43	1 47	25 43	9 42	15 38	15 15	27 34	10 11	0 26
S 6	21 25	24 11	2 17	20 30	1 44	21 57	1 7	21 54	2 28	22 44	0 14	22 46	0 46	2 32	0 46	6 43	1 47	25 43	9 42	15 37	15 14	27 34	10 11	0 26
M 7	21 15	26 23	3 10	19 58	1 38	21 44	1 9	21 56	2 28	22 42	0 14	22 46	0 45	2 33	0 46	6 43	1 47	25 42	9 42	15 35	15 13	27 33	10 11	0 26
T 8	21 4	27 23	3 54	19 26	1 32	21 30	1 10	21 58	2 28	22 41	0 14	22 46	0 45	2 33	0 47	6 43	1 47	25 42	9 42	15 32	15 12	27 33	10 11	0 26
W 9	20 52	27 8	4 27	18 52	1 25	21 15	1 11	22 0	2 27	22 39	0 14	22 47	0 45	2 33	0 47	6 43	1 47	25 41	9 42	15 29	15 11	27 33	10 11	0 26
T 10	20 40	25 38	4 50	18 17	1 17	20 59	1 13	22 3	2 27	22 37	0 14	22 47	0 45	2 34	0 47	6 43	1 47	25 40	9 42	15 25	15 10	27 33	10 12	0 26
F 11	20 28	22 58	4 59	17 40	1 9	20 43	1 14	22 5	2 27	22 36	0 14	22 47	0 45	2 34	0 47	6 43	1 47	25 40	9 42	15 20	15 9	27 33	10 12	0 26
S 12	20 15	19 18	4 56	17 3	0 59	20 27	1 15	22 8	2 27	22 34	0 15	22 47	0 45	2 35	0 47	6 43	1 47	25 39	9 42	15 16	15 8	27 33	10 12	0 26
S 13	20 2	14 48	4 39	16 26	0 49	20 9	1 17	22 11	2 26	22 32	0 15	22 47	0 45	2 35	0 47	6 43	1 47	25 39	9 42	15 12	15 7	27 33	10 12	0 26
M14	19 48	9 39	4 8	15 48	0 38	19 51	1 18	22 14	2 26	22 30	0 15	22 47	0 44	2 36	0 47	6 43	1 47	25 38	9 42	15 9	15 6	27 33	10 13	0 26
T 15	19 34	4 3	3 26	15 9	0 26	19 33	1 19	22 17	2 26	22 28	0 15	22 47	0 44	2 36	0 47	6 42	1 47	25 38	9 42	15 6	15 5	27 33	10 13	0 26
W16	19 20	1s49	2 32	14 31	0 13	19 14	1 20	22 20	2 26	22 27	0 15	22 47	0 44	2 37	0 47	6 42	1 47	25 37	9 42	15 5	15 4	27 33	10 13	0 26
T 17	19 6	7 44	1 30	13 54	0n 0	18 55	1 21	22 23	2 25	22 25	0 15	22 47	0 44	2 37	0 47	6 42	1 47	25 37	9 42	15 5	15 3	27 33	10 13	0 26
F 18	18 51	13 28	0 21	13 17	0 14	18 34	1 22	22 26	2 25	22 23	0 15	22 48	0 44	2 38	0 47	6 42	1 47	25 36	9 42	15 4	15 2	27 32	10 14	0 26
S 19	18 36	18 43	0s51	12 42	0 29	18 14	1 22	22 29	2 25	22 21	0 15	22 48	0 44	2 38	0 47	6 42	1 48	25 36	9 42	15 4	15 1	27 32	10 14	0 26
S 20	18 20	23 5	2 2	12 8	0 45	17 53	1 23	22 32	2 24	22 19	0 15	22 48	0 43	2 39	0 47	6 42	1 48	25 35	9 42	15 4	15 0	27 32	10 15	0 27
M21	18 4	26 10	3 7	11 36	1 1	17 31	1 24	22 36	2 24	22 17	0 15	22 48	0 43	2 40	0 47	6 42	1 48	25 35	9 42	15 3	14 59	27 32	10 15	0 27
T 22	17 48	27 30	4 1	11 7	1 17	17 9	1 25	22 39	2 23	22 15	0 16	22 48	0 43	2 40	0 47	6 42	1 48	25 34	9 42	15 1	14 58	27 32	10 15	0 27
W23	17 31	26 50	4 39	10 41	1 34	16 46	1 25	22 43	2 23	22 13	0 16	22 48	0 43	2 41	0 47	6 42	1 48	25 34	9 42	14 58	14 57	27 32	10 16	0 27
T 24	17 14	24 11	4 58	10 19	1 51	16 23	1 26	22 46	2 23	22 11	0 16	22 48	0 43	2 42	0 47	6 41	1 48	25 33	9 42	14 54	14 56	27 32	10 16	0 27
F 25	16 57	19 53	4 56	10 0	2 7	16 0	1 26	22 50	2 22	22 9	0 16	22 48	0 43	2 42	0 47	6 41	1 48	25 33	9 42	14 51	14 55	27 31	10 17	0 27
S 26	16 40	14 23	4 34	9 45	2 23	15 36	1 27	22 53	2 22	22 7	0 16	22 49	0 42	2 43	0 47	6 41	1 48	25 32	9 42	14 47	14 54	27 31	10 17	0 27
S 27	16 22	8 13	3 55	9 34	2 39	15 11	1 27	22 57	2 21	22 5	0 16	22 49	0 42	2 44	0 47	6 41	1 48	25 32	9 42	14 44	14 53	27 31	10 18	0 27
M28	16 4	1 50	3 2	9 28	2 53	14 47	1 27	23 0	2 21	22 3	0 16	22 49	0 42	2 44	0 47	6 41	1 48	25 31	9 42	14 42	14 52	27 31	10 19	0 27
T 29	15 46	4n26	2 1	9 27	3 6	14 21	1 27	23 4	2 21	22 1	0 16	22 49	0 42	2 45	0 47	6 40	1 48	25 31	9 43	14 40	14 51	27 30	10 19	0 27
W30	15 27	10 18	0 55	9 29	3 18	13 56	1 28	23 8	2 20	21 59	0 17	22 49	0 42	2 46	0 47	6 40	1 48	25 30	9 43	14 40	14 50	27 30	10 20	0 27
T 31	15s 8	15n34	0n12	9s36	3n28	13s30	1s28	23n12	2n20	21s57	0s17	22n49	0s42	2n47	0n47	6s40	1n48	25s30	9s43	14n40	14n49	27n30	10n20	0s27

Julian Day Number = 2194787.5, Delta T = 10m29s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'09, Lahiri = 14°03'09 Julian Calendar 1 Jan. 1297 == Greg. Calendar 8 Jan. 1297

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

FEBRUARY 1297 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	9 14 44	20♒ 9'06	23♉55	25°R11	29♒30	3♊42	22♋30	27°R41	24°R49	21°R17	15♒32	9°R21	9♉47	12♋31	27♈55	F 1
S 2	9 18 41	21° 9'34	5♊58	24♒11	0♓45	4° 4	22°43	27♊39	24♍47	21♎17	15°34	9♉20	9°44	12°38	27°57	S 2
S 3	9 22 37	22°10'01	17°53	23° 6	2° 0	4°26	22°57	27°37	24°45	21°16	15°36	9°17	9°40	12°44	27°59	S 3
M 4	9 26 34	23°10'25	29°42	22° 0	3°15	4°49	23°10	27°35	24°43	21°15	15°38	9°12	9°37	12°51	28° 1	M 4
T 5	9 30 30	24°10'47	11♋32	20°54	4°30	5°11	23°23	27°34	24°40	21°15	15°39	9° 4	9°34	12°58	28° 3	T 5
W 6	9 34 27	25°11'08	23°25	19°49	5°45	5°34	23°36	27°32	24°38	21°14	15°41	8°53	9°31	13° 5	28° 5	W 6
T 7	9 38 23	26°11'26	5♌24	18°47	7° 0	5°58	23°49	27°31	24°36	21°13	15°43	8°40	9°28	13°11	28° 7	T 7
F 8	9 42 20	27°11'43	17°30	17°49	8°14	6°21	24° 2	27°29	24°34	21°12	15°44	8°27	9°24	13°18	28°10	F 8
S 9	9 46 17	28°11'58	29°46	16°57	9°29	6°45	24°15	27°28	24°32	21°12	15°46	8°14	9°21	13°25	28°12	S 9
S 10	9 50 13	29°12'11	12♍11	16°10	10°44	7° 9	24°28	27°27	24°29	21°11	15°48	8° 2	9°18	13°31	28°14	S 10
M11	9 54 10	0♓12'22	24°45	15°29	11°59	7°34	24°41	27°26	24°27	21°10	15°50	7°52	9°15	13°38	28°17	M11
T 12	9 58 6	1°12'32	7♎30	14°56	13°14	7°58	24°53	27°25	24°25	21° 9	15°51	7°46	9°12	13°45	28°19	T 12
W13	10 2 3	2°12'39	20°26	14°29	14°28	8°23	25° 6	27°24	24°23	21° 8	15°53	7°42	9° 9	13°51	28°22	W13
T 14	10 5 59	3°12'46	3♏34	14° 9	15°43	8°48	25°19	27°24	24°20	21° 7	15°55	7°D40	9° 5	13°58	28°24	T 14
F 15	10 9 56	4°12'50	16°56	13°57	16°58	9°14	25°31	27°23	24°18	21° 6	15°56	7°41	9° 2	14° 5	28°27	F 15
S 16	10 13 52	5°12'53	0♐34	13°D51	18°12	9°39	25°44	27°23	24°15	21° 5	15°58	7°R41	8°59	14°12	28°30	S 16
S 17	10 17 49	6°12'55	14°28	13°51	19°27	10° 5	25°56	27°22	24°13	21° 4	16° 0	7°41	8°56	14°18	28°32	S 17
M18	10 21 46	7°12'55	28°40	13°58	20°42	10°31	26° 8	27°22	24°11	21° 3	16° 1	7°39	8°53	14°25	28°35	M18
T 19	10 25 42	8°12'53	13♑ 8	14°10	21°56	10°58	26°21	27°D22	24° 8	21° 2	16° 3	7°35	8°50	14°32	28°38	T 19
W20	10 29 39	9°12'50	27°49	14°28	23°11	11°24	26°33	27°22	24° 6	21° 1	16° 5	7°28	8°46	14°38	28°41	W20
T 21	10 33 35	10°12'45	12♒35	14°52	24°25	11°51	26°45	27°22	24° 3	21° 0	16° 6	7°20	8°43	14°45	28°44	T 21
F 22	10 37 32	11°12'37	27°21	15°20	25°40	12°18	26°57	27°22	24° 1	20°59	16° 8	7°11	8°40	14°52	28°46	F 22
S 23	10 41 28	12°12'28	11♓57	15°53	26°55	12°45	27° 9	27°23	23°58	20°57	16° 9	7° 2	8°37	14°59	28°49	S 23
S 24	10 45 25	13°12'17	26°16	16°30	28° 9	13°12	27°21	27°23	23°56	20°56	16°11	6°54	8°34	15° 5	28°52	S 24
M25	10 49 21	14°12'04	10♈13	17°11	29°23	13°40	27°33	27°24	23°53	20°55	16°13	6°49	8°30	15°12	28°55	M25
T 26	10 53 18	15°11'49	23°45	17°56	0♈38	14° 8	27°45	27°25	23°51	20°54	16°14	6°46	8°27	15°19	28°58	T 26
W27	10 57 14	16°11'31	6♉51	18°44	1°52	14°36	27°56	27°25	23°48	20°52	16°16	6°D45	8°24	15°25	29° 2	W27
T 28	11 1 11	17♓11'11	19♉34	19♒36	3♈ 7	15♊ 4	28♋ 8	27♊26	23♍45	20♎51	16♒17	6♉46	8♉21	15♋32	29♈ 5	T 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	14s49	20n 3	1n16	9s47	3n36	13s 4	1s28	23n15	2n19	21s55	0s17	22n49	0s41	2n48	0n47	6s40	1n48	25s29	9s43	14n40	14n48	27n30	10n21	0s27
S 2	14 30	23 37	2 16	10 2	3 41	12 37	1 28	23 19	2 19	21 53	0 17	22 49	0 41	2 48	0 47	6 39	1 48	25 29	9 43	14 40	14 47	27 30	10 22	0 27
S 3	14 11	26 7	3 9	10 20	3 45	12 10	1 28	23 23	2 18	21 51	0 17	22 50	0 41	2 49	0 47	6 39	1 48	25 28	9 43	14 39	14 46	27 29	10 22	0 27
M 4	13 51	27 25	3 53	10 40	3 46	11 43	1 27	23 26	2 18	21 49	0 17	22 50	0 41	2 50	0 47	6 39	1 49	25 28	9 43	14 37	14 45	27 29	10 23	0 27
T 5	13 31	27 28	4 27	11 2	3 45	11 15	1 27	23 30	2 18	21 47	0 17	22 50	0 41	2 51	0 47	6 38	1 49	25 27	9 43	14 34	14 44	27 29	10 24	0 27
W 6	13 11	26 15	4 50	11 25	3 42	10 47	1 27	23 34	2 17	21 45	0 17	22 50	0 41	2 52	0 47	6 38	1 49	25 27	9 43	14 31	14 43	27 28	10 24	0 27
T 7	12 50	23 50	5 0	11 49	3 36	10 19	1 26	23 38	2 17	21 43	0 17	22 50	0 40	2 53	0 47	6 38	1 49	25 26	9 43	14 27	14 42	27 28	10 25	0 28
F 8	12 30	20 21	4 57	12 14	3 29	9 50	1 26	23 41	2 16	21 41	0 18	22 50	0 40	2 54	0 47	6 37	1 49	25 26	9 43	14 22	14 41	27 28	10 26	0 28
S 9	12 9	15 58	4 40	12 38	3 21	9 22	1 25	23 45	2 16	21 38	0 18	22 50	0 40	2 54	0 47	6 37	1 49	25 26	9 43	14 18	14 40	27 28	10 27	0 28
S 10	11 48	10 52	4 10	13 1	3 11	8 53	1 25	23 49	2 15	21 36	0 18	22 51	0 40	2 55	0 47	6 37	1 49	25 25	9 44	14 14	14 39	27 27	10 28	0 28
M11	11 27	5 15	3 27	13 24	2 59	8 24	1 24	23 52	2 15	21 34	0 18	22 51	0 40	2 56	0 47	6 36	1 49	25 25	9 44	14 11	14 38	27 27	10 28	0 28
T 12	11 5	0s39	2 33	13 45	2 47	7 54	1 24	23 56	2 14	21 32	0 18	22 51	0 40	2 57	0 48	6 36	1 49	25 24	9 44	14 9	14 37	27 27	10 29	0 28
W13	10 44	6 37	1 30	14 5	2 35	7 24	1 23	23 59	2 14	21 30	0 18	22 51	0 39	2 58	0 48	6 36	1 49	25 24	9 44	14 8	14 36	27 26	10 30	0 28
T 14	10 22	12 25	0 22	14 23	2 21	6 55	1 22	24 3	2 13	21 28	0 18	22 51	0 39	2 59	0 48	6 35	1 49	25 24	9 44	14 7	14 35	27 26	10 31	0 28
F 15	10 0	17 45	0s49	14 40	2 8	6 25	1 21	24 6	2 13	21 25	0 19	22 51	0 39	3 0	0 48	6 35	1 49	25 23	9 44	14 8	14 34	27 26	10 32	0 28
S 16	9 38	22 17	1 59	14 55	1 54	5 55	1 20	24 10	2 12	21 23	0 19	22 51	0 39	3 1	0 48	6 34	1 49	25 23	9 44	14 8	14 33	27 25	10 33	0 28
S 17	9 16	25 39	3 3	15 8	1 40	5 24	1 19	24 13	2 12	21 21	0 19	22 52	0 39	3 2	0 48	6 34	1 49	25 22	9 44	14 8	14 32	27 25	10 34	0 28
M18	8 54	27 29	3 57	15 19	1 26	4 54	1 18	24 17	2 11	21 19	0 19	22 52	0 39	3 3	0 48	6 33	1 49	25 22	9 45	14 7	14 31	27 24	10 34	0 28
T 19	8 31	27 29	4 37	15 29	1 13	4 23	1 17	24 20	2 11	21 17	0 19	22 52	0 38	3 4	0 48	6 33	1 49	25 22	9 45	14 6	14 30	27 24	10 35	0 28
W20	8 9	25 35	5 0	15 36	0 59	3 52	1 16	24 23	2 10	21 14	0 19	22 52	0 38	3 5	0 48	6 33	1 49	25 21	9 45	14 3	14 29	27 24	10 36	0 28
T 21	7 46	21 56	5 3	15 42	0 46	3 22	1 14	24 26	2 10	21 12	0 19	22 52	0 38	3 6	0 48	6 32	1 49	25 21	9 45	14 1	14 28	27 23	10 37	0 28
F 22	7 23	16 55	4 46	15 46	0 33	2 51	1 13	24 30	2 9	21 10	0 19	22 53	0 38	3 7	0 48	6 32	1 49	25 20	9 45	13 58	14 27	27 23	10 38	0 28
S 23	7 0	10 57	4 10	15 48	0 21	2 20	1 12	24 33	2 9	21 8	0 20	22 53	0 38	3 8	0 48	6 31	1 49	25 20	9 45	13 55	14 26	27 22	10 39	0 28
S 24	6 38	4 32	3 19	15 49	0 9	1 49	1 10	24 36	2 8	21 6	0 20	22 53	0 38	3 9	0 48	6 31	1 50	25 20	9 45	13 52	14 25	27 22	10 40	0 28
M25	6 14	1n57	2 17	15 48	0s 3	1 18	1 9	24 39	2 8	21 3	0 20	22 53	0 37	3 10	0 48	6 30	1 50	25 19	9 46	13 51	14 24	27 22	10 41	0 29
T 26	5 51	8 11	1 9	15 45	0 14	0 47	1 7	24 42	2 7	21 1	0 20	22 53	0 37	3 11	0 48	6 30	1 50	25 19	9 46	13 50	14 23	27 21	10 42	0 29
W27	5 28	13 52	0n 1	15 40	0 25	0 15	1 6	24 44	2 7	20 59	0 20	22 53	0 37	3 12	0 48	6 29	1 50	25 19	9 46	13 49	14 22	27 21	10 43	0 29
T 28	5s 5	18n48	1n 8	15s34	0s35	0n16	1s 4	24n47	2n 6	20s57	0s20	22n54	0s37	3n13	0n48	6s29	1n50	25s18	9s46	13n50	14n21	27n20	10n44	0s29

Julian Day Number = 2194818.5, Delta T = 10m29s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'13, Lahiri = 14°03'14 Julian Calendar 1 Feb. 1297 == Greg. Calendar 8 Feb. 1297

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

MARCH 1297 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	11 5 8	18♓10'49	1♊57	20♒31	4♈21	15♊32	28♉19	27♊27	23°R43	20°R50	16♒19	6♉47	8♉18	15♋39	29♈ 8	F 1
S 2	11 9 4	19°10'25	14° 4	21°28	5°35	16° 0	28°31	27°29	23♍40	20♎49	16°20	6°R48	8°15	15°46	29°11	S 2
S 3	11 13 1	20° 9'59	26° 1	22°29	6°50	16°29	28°42	27°30	23°38	20°47	16°22	6°48	8°11	15°52	29°14	S 3
M 4	11 16 57	21° 9'30	7♋53	23°32	8° 4	16°58	28°53	27°31	23°35	20°46	16°23	6°46	8° 8	15°59	29°18	M 4
T 5	11 20 54	22° 8'58	19°45	24°37	9°18	17°27	29° 4	27°33	23°32	20°44	16°25	6°43	8° 5	16° 6	29°21	T 5
W 6	11 24 50	23° 8'25	1♌40	25°45	10°32	17°56	29°15	27°34	23°30	20°43	16°26	6°37	8° 2	16°12	29°24	W 6
T 7	11 28 47	24° 7'49	13°43	26°55	11°46	18°25	29°26	27°36	23°27	20°42	16°28	6°30	7°59	16°19	29°28	T 7
F 8	11 32 43	25° 7'11	25°57	28° 7	13° 1	18°54	29°37	27°38	23°25	20°40	16°29	6°23	7°55	16°26	29°31	F 8
S 9	11 36 40	26° 6'30	8♍22	29°22	14°15	19°24	29°48	27°40	23°22	20°39	16°31	6°15	7°52	16°33	29°34	S 9
S 10	11 40 37	27° 5'48	21° 2	0♓38	15°29	19°54	29°58	27°42	23°19	20°37	16°32	6° 8	7°49	16°39	29°38	S 10
M11	11 44 33	28° 5'03	3♎54	1°56	16°43	20°24	0♒ 9	27°44	23°17	20°36	16°33	6° 3	7°46	16°46	29°41	M11
T 12	11 48 30	29° 4'16	17° 0	3°16	17°57	20°53	0°19	27°46	23°14	20°34	16°35	6° 0	7°43	16°53	29°45	T 12
W13	11 52 26	0♈ 3'27	0♏18	4°37	19°11	21°24	0°30	27°48	23°12	20°33	16°36	5°D58	7°40	16°59	29°48	W13
T 14	11 56 23	1° 2'37	13°48	6° 1	20°24	21°54	0°40	27°51	23° 9	20°31	16°37	5°58	7°36	17° 6	29°52	T 14
F 15	12 0 19	2° 1'44	27°28	7°26	21°38	22°24	0°50	27°53	23° 7	20°30	16°39	5°59	7°33	17°13	29°55	F 15
S 16	12 4 16	3° 0'50	11♐19	8°53	22°52	22°54	1° 0	27°56	23° 4	20°28	16°40	6° 1	7°30	17°20	29°59	S 16
S 17	12 8 12	3°59'54	25°19	10°21	24° 6	23°25	1°10	27°59	23° 1	20°27	16°41	6° 2	7°27	17°26	0♉ 3	S 17
M18	12 12 9	4°58'56	9♑27	11°51	25°20	23°56	1°20	28° 2	22°59	20°25	16°43	6°R 2	7°24	17°33	0° 6	M18
T 19	12 16 6	5°57'57	23°42	13°23	26°34	24°27	1°29	28° 5	22°56	20°24	16°44	6° 1	7°21	17°40	0°10	T 19
W20	12 20 2	6°56'56	8♒ 2	14°56	27°47	24°57	1°39	28° 8	22°54	20°22	16°45	5°59	7°17	17°46	0°14	W20
T 21	12 23 59	7°55'53	22°22	16°30	29° 1	25°28	1°48	28°11	22°51	20°20	16°46	5°55	7°14	17°53	0°17	T 21
F 22	12 27 55	8°54'48	6♓39	18° 7	0♉15	26° 0	1°58	28°14	22°49	20°19	16°47	5°51	7°11	18° 0	0°21	F 22
S 23	12 31 52	9°53'41	20°47	19°44	1°28	26°31	2° 7	28°17	22°46	20°17	16°49	5°47	7° 8	18° 7	0°25	S 23
S 24	12 35 48	10°52'32	4♈43	21°24	2°42	27° 2	2°16	28°21	22°44	20°16	16°50	5°44	7° 5	18°13	0°29	S 24
M25	12 39 45	11°51'21	18°22	23° 4	3°55	27°34	2°25	28°24	22°42	20°14	16°51	5°42	7° 1	18°20	0°32	M25
T 26	12 43 41	12°50'08	1♉41	24°47	5° 9	28° 5	2°34	28°28	22°39	20°12	16°52	5°D41	6°58	18°27	0°36	T 26
W27	12 47 38	13°48'53	14°41	26°31	6°22	28°37	2°43	28°32	22°37	20°11	16°53	5°41	6°55	18°33	0°40	W27
T 28	12 51 35	14°47'36	27°22	28°16	7°36	29° 9	2°51	28°35	22°34	20° 9	16°54	5°42	6°52	18°40	0°44	T 28
F 29	12 55 31	15°46'17	9♊45	0♈ 3	8°49	29°41	3° 0	28°39	22°32	20° 8	16°55	5°44	6°49	18°47	0°48	F 29
S 30	12 59 28	16°44'55	21°54	1°52	10° 2	0♋13	3° 8	28°43	22°30	20° 6	16°56	5°45	6°46	18°54	0°52	S 30
S 31	13 3 24	17♈43'32	3♋53	3♈42	11♉16	0♋45	3♒16	28♊47	22♍28	20♎ 4	16♒57	5♉47	6♉42	19♋ 0	0♉55	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	4s41	22n47	2n12	15s26	0s45	0n47	1s 2	24n50	2n 6	20s55	0s20	22n54	0s37	3n14	0n48	6s28	1n50	25s18	9s46	13n50	14n20	27n20	10n46	0s29
S 2	4 18	25 41	3 7	15 16	0 55	1 18	1 1	24 52	2 5	20 53	0 21	22 54	0 37	3 15	0 48	6 28	1 50	25 18	9 47	13 50	14 19	27 19	10 47	0 29
S 3	3 55	27 22	3 54	15 5	1 4	1 49	0 59	24 55	2 5	20 50	0 21	22 54	0 36	3 16	0 48	6 27	1 50	25 18	9 47	13 50	14 17	27 19	10 48	0 29
M 4	3 31	27 48	4 30	14 52	1 13	2 20	0 57	24 57	2 4	20 48	0 21	22 54	0 36	3 17	0 48	6 26	1 50	25 17	9 47	13 50	14 16	27 18	10 49	0 29
T 5	3 8	26 56	4 55	14 38	1 21	2 52	0 55	25 0	2 4	20 46	0 21	22 55	0 36	3 18	0 48	6 26	1 50	25 17	9 47	13 48	14 15	27 18	10 50	0 29
W 6	2 44	24 51	5 7	14 22	1 28	3 23	0 53	25 2	2 3	20 44	0 21	22 55	0 36	3 19	0 48	6 25	1 50	25 17	9 47	13 47	14 14	27 17	10 51	0 29
T 7	2 20	21 39	5 6	14 5	1 36	3 54	0 51	25 4	2 3	20 42	0 21	22 55	0 36	3 20	0 48	6 25	1 50	25 16	9 48	13 44	14 13	27 17	10 52	0 29
F 8	1 57	17 28	4 51	13 46	1 42	4 24	0 49	25 6	2 2	20 40	0 22	22 55	0 36	3 21	0 48	6 24	1 50	25 16	9 48	13 42	14 12	27 16	10 53	0 29
S 9	1 33	12 30	4 22	13 26	1 49	4 55	0 47	25 8	2 2	20 38	0 22	22 55	0 35	3 22	0 48	6 24	1 50	25 16	9 48	13 39	14 11	27 16	10 54	0 29
S 10	1 10	6 56	3 39	13 4	1 54	5 26	0 45	25 10	2 1	20 35	0 22	22 56	0 35	3 23	0 48	6 23	1 50	25 16	9 48	13 37	14 10	27 15	10 56	0 29
M11	0 46	0 58	2 45	12 41	2 0	5 56	0 42	25 12	2 1	20 33	0 22	22 56	0 35	3 24	0 48	6 23	1 50	25 15	9 48	13 35	14 9	27 15	10 57	0 29
T 12	0 22	5s 9	1 41	12 17	2 5	6 27	0 40	25 13	2 0	20 31	0 22	22 56	0 35	3 25	0 48	6 22	1 50	25 15	9 49	13 34	14 8	27 14	10 58	0 29
W13	0n 1	11 9	0 31	11 51	2 9	6 57	0 38	25 15	2 0	20 29	0 22	22 56	0 35	3 26	0 48	6 21	1 50	25 15	9 49	13 34	14 7	27 13	10 59	0 30
T 14	0 25	16 43	0s43	11 24	2 13	7 27	0 36	25 16	1 59	20 27	0 22	22 56	0 35	3 27	0 48	6 21	1 50	25 15	9 49	13 34	14 6	27 13	11 0	0 30
F 15	0 49	21 32	1 55	10 55	2 16	7 57	0 33	25 18	1 59	20 25	0 23	22 57	0 34	3 28	0 48	6 20	1 50	25 15	9 49	13 34	14 5	27 12	11 2	0 30
S 16	1 12	25 13	3 1	10 25	2 19	8 27	0 31	25 19	1 58	20 23	0 23	22 57	0 34	3 29	0 48	6 20	1 50	25 14	9 49	13 35	14 4	27 12	11 3	0 30
S 17	1 36	27 24	3 57	9 54	2 22	8 57	0 28	25 20	1 58	20 21	0 23	22 57	0 34	3 30	0 48	6 19	1 50	25 14	9 50	13 35	14 3	27 11	11 4	0 30
M18	1 59	27 51	4 40	9 21	2 24	9 26	0 26	25 21	1 58	20 19	0 23	22 57	0 34	3 31	0 48	6 18	1 50	25 14	9 50	13 35	14 2	27 10	11 5	0 30
T 19	2 23	26 27	5 5	8 47	2 25	9 55	0 24	25 22	1 57	20 17	0 23	22 57	0 34	3 32	0 48	6 18	1 50	25 14	9 50	13 35	14 1	27 10	11 6	0 30
W20	2 46	23 21	5 12	8 12	2 26	10 24	0 21	25 23	1 57	20 15	0 23	22 58	0 34	3 33	0 48	6 17	1 50	25 14	9 50	13 34	14 0	27 9	11 8	0 30
T 21	3 9	18 50	5 0	7 36	2 26	10 53	0 19	25 23	1 56	20 13	0 24	22 58	0 33	3 34	0 48	6 17	1 50	25 14	9 51	13 33	13 59	27 9	11 9	0 30
F 22	3 33	13 16	4 29	6 58	2 26	11 21	0 16	25 24	1 56	20 11	0 24	22 58	0 33	3 35	0 48	6 16	1 50	25 13	9 51	13 31	13 58	27 8	11 10	0 30
S 23	3 56	7 3	3 42	6 19	2 26	11 49	0 13	25 24	1 55	20 9	0 24	22 58	0 33	3 36	0 48	6 15	1 50	25 13	9 51	13 30	13 57	27 7	11 11	0 30
S 24	4 19	0 36	2 42	5 39	2 25	12 17	0 11	25 24	1 55	20 7	0 24	22 58	0 33	3 37	0 48	6 15	1 50	25 13	9 51	13 29	13 56	27 7	11 13	0 30
M25	4 42	5n47	1 34	4 57	2 23	12 45	0 8	25 25	1 54	20 6	0 24	22 59	0 33	3 38	0 48	6 14	1 50	25 13	9 52	13 28	13 55	27 6	11 14	0 30
T 26	5 5	11 46	0 22	4 15	2 21	13 12	0 5	25 25	1 54	20 4	0 24	22 59	0 33	3 39	0 47	6 13	1 50	25 13	9 52	13 28	13 54	27 5	11 15	0 30
W27	5 28	17 6	0n49	3 31	2 19	13 39	0 3	25 25	1 53	20 2	0 25	22 59	0 33	3 40	0 47	6 13	1 50	25 13	9 52	13 28	13 53	27 5	11 17	0 30
T 28	5 51	21 32	1 57	2 46	2 16	14 6	0 0	25 24	1 53	20 0	0 25	22 59	0 32	3 41	0 47	6 12	1 50	25 13	9 53	13 29	13 52	27 4	11 18	0 31
F 29	6 14	24 55	2 57	2 0	2 12	14 32	0n 3	25 24	1 52	19 58	0 25	22 59	0 32	3 42	0 47	6 12	1 50	25 13	9 53	13 29	13 51	27 3	11 19	0 31
S 30	6 36	27 4	3 48	1 13	2 8	14 58	0 5	25 24	1 52	19 57	0 25	22 59	0 32	3 43	0 47	6 11	1 50	25 13	9 53	13 30	13 49	27 3	11 20	0 31
S 31	6n59	27n57	4n28	0s25	2s 3	15n24	0n 8	25n23	1n51	19s55	0s25	23n 0	0s32	3n44	0n47	6s10	1n50	25s13	9s53	13n30	13n48	27n 2	11n22	0s31

Julian Day Number = 2194846.5, Delta T = 10m29s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'17, Lahiri = 14°03'18 Julian Calendar 1 March 1297 == Greg. Calendar 8 March 1297

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

APRIL 1297 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	13 7 21	18♈42'06	15♋47	5♈34	12♉29	1♋17	3♒24	28♊52	22°R25	20°R 3	16♒58	5°R47	6♉39	19♋ 7	0♉59	M 1
T 2	13 11 17	19°40'38	27°40	7°27	13°42	1°49	3°32	28°56	22♍23	20♎ 1	16°59	5♉47	6°36	19°14	1° 3	T 2
W 3	13 15 14	20°39'08	9♌37	9°22	14°55	2°21	3°40	29° 0	22°21	19°59	17° 0	5°46	6°33	19°20	1° 7	W 3
T 4	13 19 10	21°37'35	21°42	11°19	16° 9	2°54	3°47	29° 5	22°19	19°58	17° 1	5°45	6°30	19°27	1°11	T 4
F 5	13 23 7	22°36'01	3♍59	13°17	17°22	3°26	3°55	29° 9	22°17	19°56	17° 2	5°43	6°27	19°34	1°15	F 5
S 6	13 27 4	23°34'24	16°31	15°17	18°35	3°59	4° 2	29°14	22°14	19°54	17° 3	5°41	6°23	19°41	1°19	S 6
S 7	13 31 0	24°32'45	29°21	17°18	19°48	4°32	4° 9	29°18	22°12	19°53	17° 4	5°40	6°20	19°47	1°23	S 7
M 8	13 34 57	25°31'04	12♎29	19°21	21° 1	5° 4	4°16	29°23	22°10	19°51	17° 4	5°38	6°17	19°54	1°27	M 8
T 9	13 38 53	26°29'22	25°55	21°25	22°14	5°37	4°23	29°28	22° 8	19°50	17° 5	5°38	6°14	20° 1	1°31	T 9
W10	13 42 50	27°27'37	9♏38	23°30	23°26	6°10	4°30	29°33	22° 6	19°48	17° 6	5°D38	6°11	20° 7	1°35	W10
T 11	13 46 46	28°25'51	23°34	25°36	24°39	6°43	4°37	29°38	22° 4	19°46	17° 7	5°38	6° 7	20°14	1°39	T 11
F 12	13 50 43	29°24'03	7♐42	27°44	25°52	7°16	4°43	29°43	22° 2	19°45	17° 7	5°38	6° 4	20°21	1°43	F 12
S 13	13 54 39	0♑22'14	21°56	29°52	27° 5	7°49	4°49	29°48	22° 1	19°43	17° 8	5°39	6° 1	20°28	1°47	S 13
S 14	13 58 36	1°20'23	6♑13	2♑ 1	28°17	8°22	4°55	29°53	21°59	19°41	17° 9	5°39	5°58	20°34	1°51	S 14
M15	14 2 33	2°18'31	20°31	4°11	29°30	8°55	5° 1	29°59	21°57	19°40	17°10	5°40	5°55	20°41	1°55	M15
T 16	14 6 29	3°16'37	4♒45	6°21	0♊43	9°29	5° 7	0♋ 4	21°55	19°38	17°10	5°R40	5°52	20°48	1°59	T 16
W17	14 10 26	4°14'42	18°54	8°30	1°55	10° 2	5°13	0°10	21°53	19°37	17°11	5°40	5°48	20°54	2° 2	W17
T 18	14 14 22	5°12'45	2♓55	10°40	3° 8	10°36	5°18	0°15	21°52	19°35	17°11	5°D40	5°45	21° 1	2° 6	T 18
F 19	14 18 19	6°10'47	16°47	12°49	4°20	11° 9	5°24	0°21	21°50	19°34	17°12	5°40	5°42	21° 8	2°10	F 19
S 20	14 22 15	7° 8'48	0♈27	14°57	5°33	11°43	5°29	0°26	21°49	19°32	17°12	5°40	5°39	21°15	2°14	S 20
S 21	14 26 12	8° 6'47	13°55	17° 3	6°45	12°16	5°34	0°32	21°47	19°30	17°13	5°40	5°36	21°21	2°18	S 21
M22	14 30 8	9° 4'44	27°10	19° 9	7°57	12°50	5°39	0°38	21°46	19°29	17°13	5°40	5°32	21°28	2°22	M22
T 23	14 34 5	10° 2'40	10♉10	21°12	9°10	13°24	5°43	0°44	21°44	19°27	17°14	5°R40	5°29	21°35	2°26	T 23
W24	14 38 1	11° 0'35	22°55	23°14	10°22	13°58	5°48	0°50	21°43	19°26	17°14	5°40	5°26	21°42	2°30	W24
T 25	14 41 58	11°58'28	5♊26	25°13	11°34	14°32	5°52	0°56	21°41	19°24	17°15	5°39	5°23	21°48	2°34	T 25
F 26	14 45 55	12°56'20	17°44	27°10	12°46	15° 5	5°56	1° 2	21°40	19°23	17°15	5°39	5°20	21°55	2°38	F 26
S 27	14 49 51	13°54'09	29°51	29° 5	13°58	15°40	6° 0	1° 8	21°39	19°21	17°16	5°37	5°17	22° 2	2°42	S 27
S 28	14 53 48	14°51'58	11♋49	0♊56	15°10	16°14	6° 4	1°14	21°37	19°20	17°16	5°36	5°13	22° 8	2°46	S 28
M29	14 57 44	15°49'44	23°43	2°45	16°22	16°48	6° 8	1°20	21°36	19°19	17°16	5°35	5°10	22°15	2°50	M29
T 30	15 1 41	16♉47'29	5♌36	4♊31	17♊34	17♋22	6♒11	1♋27	21♍35	19♎17	17♒16	5♉34	5♉ 7	22♋22	2♉54	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	7n21	27n30	4n57	0n25	1s58	15n49	0n11	25n22	1n51	19s53	0s26	23n 0	0s32	3n45	0n47	6s10	1n50	25s13	9s54	13n30	13n47	27n 1	11n23	0s31
T 2	7 44	25 49	5 12	1 15	1 53	16 14	0 14	25 21	1 50	19 51	0 26	23 0	0 32	3 45	0 47	6 9	1 50	25 13	9 54	13 30	13 46	27 0	11 24	0 31
W 3	8 6	22 58	5 15	2 6	1 46	16 38	0 16	25 20	1 50	19 50	0 26	23 0	0 32	3 46	0 47	6 8	1 50	25 13	9 54	13 30	13 45	27 0	11 26	0 31
T 4	8 28	19 6	5 3	2 58	1 40	17 2	0 19	25 19	1 49	19 48	0 26	23 0	0 31	3 47	0 47	6 8	1 50	25 12	9 54	13 29	13 44	26 59	11 27	0 31
F 5	8 50	14 24	4 38	3 50	1 33	17 26	0 22	25 18	1 49	19 47	0 26	23 1	0 31	3 48	0 47	6 7	1 50	25 12	9 55	13 29	13 43	26 58	11 28	0 31
S 6	9 11	9 0	3 59	4 44	1 25	17 49	0 25	25 17	1 48	19 45	0 26	23 1	0 31	3 49	0 47	6 7	1 50	25 12	9 55	13 28	13 42	26 58	11 29	0 31
S 7	9 33	3 7	3 7	5 38	1 17	18 12	0 27	25 15	1 48	19 44	0 27	23 1	0 31	3 50	0 47	6 6	1 50	25 12	9 55	13 28	13 41	26 57	11 31	0 31
M 8	9 54	3s 2	2 5	6 33	1 9	18 34	0 30	25 13	1 47	19 42	0 27	23 1	0 31	3 50	0 47	6 5	1 50	25 12	9 56	13 27	13 40	26 56	11 32	0 31
T 9	10 16	9 13	0 53	7 28	1 0	18 55	0 33	25 11	1 47	19 41	0 27	23 1	0 31	3 51	0 47	6 5	1 50	25 13	9 56	13 27	13 39	26 55	11 33	0 31
W10	10 37	15 6	0s22	8 23	0 50	19 17	0 36	25 9	1 46	19 39	0 27	23 1	0 31	3 52	0 47	6 4	1 50	25 13	9 56	13 27	13 38	26 54	11 35	0 31
T 11	10 57	20 19	1 38	9 18	0 41	19 37	0 38	25 7	1 46	19 38	0 27	23 2	0 30	3 53	0 47	6 4	1 50	25 13	9 56	13 27	13 37	26 54	11 36	0 32
F 12	11 18	24 27	2 48	10 14	0 31	19 58	0 41	25 5	1 45	19 36	0 28	23 2	0 30	3 53	0 47	6 3	1 50	25 13	9 57	13 27	13 36	26 53	11 37	0 32
S 13	11 39	27 6	3 49	11 9	0 21	20 17	0 44	25 3	1 45	19 35	0 28	23 2	0 30	3 54	0 47	6 2	1 50	25 13	9 57	13 27	13 35	26 52	11 39	0 32
S 14	11 59	27 59	4 36	12 4	0 10	20 37	0 46	25 0	1 44	19 34	0 28	23 2	0 30	3 55	0 47	6 2	1 50	25 13	9 57	13 28	13 34	26 51	11 40	0 32
M15	12 19	27 0	5 6	12 58	0n 0	20 55	0 49	24 57	1 44	19 32	0 28	23 2	0 30	3 55	0 47	6 1	1 50	25 13	9 58	13 28	13 33	26 50	11 41	0 32
T 16	12 39	24 16	5 17	13 52	0 11	21 13	0 52	24 55	1 43	19 31	0 28	23 2	0 30	3 56	0 47	6 1	1 50	25 13	9 58	13 28	13 32	26 50	11 42	0 32
W17	12 59	20 6	5 8	14 44	0 22	21 31	0 54	24 52	1 43	19 30	0 29	23 2	0 30	3 57	0 47	6 0	1 50	25 13	9 58	13 28	13 31	26 49	11 44	0 32
T 18	13 19	14 51	4 42	15 35	0 32	21 48	0 57	24 49	1 42	19 29	0 29	23 2	0 29	3 57	0 47	5 59	1 50	25 13	9 59	13 28	13 29	26 48	11 45	0 32
F 19	13 38	8 54	3 59	16 25	0 43	22 4	1 0	24 45	1 42	19 28	0 29	23 3	0 29	3 58	0 47	5 59	1 50	25 13	9 59	13 28	13 28	26 47	11 46	0 32
S 20	13 57	2 37	3 3	17 14	0 53	22 20	1 2	24 42	1 41	19 27	0 29	23 3	0 29	3 59	0 47	5 58	1 50	25 13	9 59	13 28	13 27	26 46	11 48	0 32
S 21	14 16	3n42	1 58	18 0	1 3	22 35	1 5	24 38	1 41	19 26	0 29	23 3	0 29	3 59	0 47	5 58	1 50	25 13	10 0	13 28	13 26	26 45	11 49	0 32
M22	14 35	9 46	0 47	18 44	1 12	22 49	1 7	24 35	1 40	19 25	0 30	23 3	0 29	4 0	0 47	5 57	1 50	25 14	10 0	13 28	13 25	26 44	11 50	0 32
T 23	14 53	15 19	0n25	19 27	1 22	23 3	1 10	24 31	1 40	19 24	0 30	23 3	0 29	4 0	0 47	5 57	1 50	25 14	10 0	13 28	13 24	26 43	11 51	0 32
W24	15 11	20 5	1 34	20 7	1 30	23 17	1 12	24 27	1 40	19 23	0 30	23 3	0 29	4 1	0 47	5 56	1 50	25 14	10 0	13 28	13 23	26 43	11 53	0 33
T 25	15 29	23 52	2 37	20 44	1 38	23 29	1 14	24 23	1 39	19 22	0 30	23 3	0 29	4 1	0 47	5 55	1 50	25 14	10 1	13 28	13 22	26 42	11 54	0 33
F 26	15 47	26 29	3 32	21 19	1 46	23 41	1 17	24 18	1 39	19 21	0 31	23 3	0 28	4 2	0 47	5 55	1 50	25 14	10 1	13 27	13 21	26 41	11 55	0 33
S 27	16 4	27 49	4 17	21 52	1 53	23 53	1 19	24 14	1 38	19 20	0 31	23 3	0 28	4 2	0 47	5 54	1 50	25 14	10 1	13 27	13 20	26 40	11 57	0 33
S 28	16 22	27 49	4 49	22 22	1 59	24 3	1 21	24 9	1 38	19 20	0 31	23 3	0 28	4 3	0 47	5 54	1 50	25 15	10 2	13 26	13 19	26 39	11 58	0 33
M29	16 38	26 31	5 9	22 49	2 4	24 13	1 24	24 5	1 37	19 19	0 31	23 4	0 28	4 3	0 47	5 53	1 50	25 15	10 2	13 26	13 18	26 38	11 59	0 33
T 30	16n55	24n 3	5n16	23n14	2n 9	24n22	1n26	24n 0	1n37	19s18	0s31	23n 4	0s28	4n 4	0n46	5s53	1n50	25s15	10s 2	13n26	13n17	26n37	12n 0	0s33

Julian Day Number = 2194877.5, Delta T = 10m28s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'21, Lahiri = 14°03'22 Julian Calendar 1 Apr. 1297 == Greg. Calendar 8 Apr. 1297

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

MAY 1297 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	15 5 37	17♉45'12	17♌32	6♊14	18♊46	17♋56	6♒14	1♋33	21°R34	19°R16	17♒17	5°D34	5♉ 4	22♋29	2♉58	W 1
T 2	15 9 34	18°42'54	29°36	7°53	19°58	18°30	6°17	1°39	21♍33	19♎14	17°17	5♉34	5° 1	22°35	3° 1	T 2
F 3	15 13 31	19°40'33	11♍53	9°30	21°10	19° 5	6°20	1°46	21°32	19°13	17°17	5°35	4°58	22°42	3° 5	F 3
S 4	15 17 27	20°38'12	24°26	11° 3	22°21	19°39	6°23	1°52	21°31	19°12	17°17	5°36	4°54	22°49	3° 9	S 4
S 5	15 21 24	21°35'48	7♎20	12°33	23°33	20°14	6°26	1°59	21°30	19°10	17°17	5°38	4°51	22°55	3°13	S 5
M 6	15 25 20	22°33'24	20°36	14° 0	24°45	20°48	6°28	2° 5	21°29	19° 9	17°18	5°39	4°48	23° 2	3°17	M 6
T 7	15 29 17	23°30'58	4♏16	15°23	25°56	21°23	6°30	2°12	21°28	19° 8	17°18	5°R39	4°45	23° 9	3°21	T 7
W 8	15 33 13	24°28'30	18°17	16°43	27° 8	21°57	6°32	2°19	21°28	19° 6	17°18	5°39	4°42	23°16	3°24	W 8
T 9	15 37 10	25°26'02	2♐38	17°59	28°19	22°32	6°34	2°26	21°27	19° 5	17°18	5°38	4°38	23°22	3°28	T 9
F 10	15 41 6	26°23'32	17°13	19°12	29°30	23° 7	6°35	2°32	21°26	19° 4	17°18	5°35	4°35	23°29	3°32	F 10
S 11	15 45 3	27°21'02	1♑55	20°21	0♋42	23°41	6°37	2°39	21°26	19° 3	17°R18	5°33	4°32	23°36	3°36	S 11
S 12	15 49 0	28°18'30	16°37	21°27	1°53	24°16	6°38	2°46	21°25	19° 2	17°18	5°30	4°29	23°42	3°39	S 12
M13	15 52 56	29°15'58	1♒13	22°29	3° 4	24°51	6°39	2°53	21°25	19° 0	17°18	5°27	4°26	23°49	3°43	M13
T 14	15 56 53	0♊13'25	15°37	23°27	4°15	25°26	6°40	3° 0	21°24	18°59	17°18	5°25	4°23	23°56	3°47	T 14
W15	16 0 49	1°10'51	29°47	24°21	5°26	26° 1	6°41	3° 7	21°24	18°58	17°18	5°D25	4°19	24° 3	3°50	W15
T 16	16 4 46	2° 8'16	13♓40	25°12	6°37	26°36	6°41	3°14	21°24	18°57	17°17	5°25	4°16	24° 9	3°54	T 16
F 17	16 8 42	3° 5'41	27°17	25°58	7°48	27°11	6°41	3°21	21°23	18°56	17°17	5°26	4°13	24°16	3°57	F 17
S 18	16 12 39	4° 3'05	10♈37	26°41	8°59	27°46	6°R41	3°28	21°23	18°55	17°17	5°28	4°10	24°23	4° 1	S 18
S 19	16 16 35	5° 0'28	23°42	27°19	10°10	28°21	6°41	3°36	21°23	18°54	17°17	5°29	4° 7	24°30	4° 5	S 19
M20	16 20 32	5°57'51	6♉33	27°53	11°20	28°56	6°41	3°43	21°23	18°53	17°17	5°R30	4° 4	24°36	4° 8	M20
T 21	16 24 29	6°55'13	19°13	28°23	12°31	29°32	6°40	3°50	21°23	18°52	17°16	5°29	4° 0	24°43	4°12	T 21
W22	16 28 25	7°52'35	1♊41	28°48	13°41	0♌ 7	6°40	3°57	21°D23	18°51	17°16	5°27	3°57	24°50	4°15	W22
T 23	16 32 22	8°49'55	13°59	29° 9	14°52	0°42	6°39	4° 5	21°23	18°50	17°16	5°23	3°54	24°56	4°19	T 23
F 24	16 36 18	9°47'15	26° 8	29°26	16° 2	1°18	6°38	4°12	21°23	18°49	17°16	5°17	3°51	25° 3	4°22	F 24
S 25	16 40 15	10°44'35	8♋ 9	29°37	17°13	1°53	6°37	4°19	21°23	18°48	17°15	5°11	3°48	25°10	4°25	S 25
S 26	16 44 11	11°41'53	20° 5	29°45	18°23	2°29	6°35	4°27	21°23	18°47	17°15	5° 5	3°44	25°17	4°29	S 26
M27	16 48 8	12°39'11	1♌57	29°R48	19°33	3° 4	6°33	4°34	21°23	18°47	17°14	4°59	3°41	25°23	4°32	M27
T 28	16 52 4	13°36'27	13°49	29°46	20°43	3°40	6°32	4°42	21°24	18°46	17°14	4°54	3°38	25°30	4°35	T 28
W29	16 56 1	14°33'43	25°44	29°40	21°53	4°15	6°30	4°49	21°24	18°45	17°14	4°50	3°35	25°37	4°39	W29
T 30	16 59 58	15°30'58	7♍46	29°29	23° 3	4°51	6°27	4°57	21°24	18°44	17°13	4°48	3°32	25°44	4°42	T 30
F 31	17 3 54	16♊28'13	20♍ 0	29♊14	24♋13	5♌27	6♒25	5♋ 4	21♍25	18♎44	17♒13	4°D48	3♉29	25♋50	4♉45	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	17n11	20n32	5n 9	23n37	2n13	24n31	1n28	23n55	1n36	19s18	0s32	23n 4	0s28	4n 4	0n46	5s52	1n50	25s15	10s 3	13n26	13n16	26n36	12n 2	0s33
T 2	17 28	16 9	4 49	23 57	2 16	24 39	1 30	23 50	1 36	19 17	0 32	23 4	0 28	4 4	0 46	5 52	1 50	25 15	10 3	13 26	13 15	26 35	12 3	0 33
F 3	17 43	11 3	4 15	24 15	2 18	24 46	1 32	23 44	1 35	19 17	0 32	23 4	0 28	4 5	0 46	5 51	1 50	25 16	10 3	13 26	13 14	26 34	12 4	0 33
S 4	17 59	5 24	3 28	24 30	2 20	24 53	1 34	23 39	1 35	19 16	0 32	23 4	0 27	4 5	0 46	5 51	1 50	25 16	10 4	13 27	13 12	26 33	12 5	0 33
S 5	18 14	0s38	2 30	24 43	2 21	24 58	1 36	23 33	1 34	19 16	0 33	23 4	0 27	4 5	0 46	5 50	1 50	25 16	10 4	13 27	13 11	26 32	12 7	0 34
M 6	18 29	6 49	1 22	24 54	2 20	25 4	1 38	23 28	1 34	19 15	0 33	23 4	0 27	4 6	0 46	5 50	1 50	25 16	10 4	13 27	13 10	26 31	12 8	0 34
T 7	18 43	12 52	0 8	25 2	2 19	25 8	1 40	23 22	1 33	19 15	0 33	23 4	0 27	4 6	0 46	5 49	1 50	25 17	10 5	13 27	13 9	26 30	12 9	0 34
W 8	18 58	18 27	1s 9	25 9	2 18	25 12	1 42	23 16	1 33	19 15	0 33	23 4	0 27	4 6	0 46	5 49	1 50	25 17	10 5	13 27	13 8	26 29	12 10	0 34
T 9	19 12	23 6	2 23	25 13	2 15	25 15	1 43	23 9	1 32	19 15	0 33	23 4	0 27	4 7	0 46	5 49	1 50	25 17	10 5	13 27	13 7	26 28	12 11	0 34
F 10	19 25	26 23	3 29	25 16	2 11	25 17	1 45	23 3	1 32	19 14	0 34	23 4	0 27	4 7	0 46	5 48	1 50	25 18	10 6	13 26	13 6	26 27	12 13	0 34
S 11	19 39	27 53	4 22	25 17	2 7	25 18	1 46	22 57	1 31	19 14	0 34	23 4	0 27	4 7	0 46	5 48	1 50	25 18	10 6	13 25	13 5	26 26	12 14	0 34
S 12	19 52	27 24	4 57	25 17	2 2	25 19	1 48	22 50	1 31	19 14	0 34	23 4	0 26	4 7	0 46	5 47	1 50	25 18	10 6	13 24	13 4	26 25	12 15	0 34
M13	20 4	25 3	5 13	25 14	1 56	25 19	1 49	22 43	1 30	19 14	0 34	23 4	0 26	4 7	0 46	5 47	1 50	25 18	10 6	13 23	13 3	26 24	12 16	0 34
T 14	20 17	21 7	5 9	25 11	1 49	25 19	1 51	22 36	1 30	19 14	0 35	23 4	0 26	4 7	0 46	5 46	1 50	25 19	10 7	13 23	13 2	26 23	12 17	0 34
W15	20 29	16 3	4 46	25 5	1 41	25 17	1 52	22 29	1 29	19 14	0 35	23 4	0 26	4 8	0 46	5 46	1 50	25 19	10 7	13 23	13 1	26 22	12 18	0 34
T 16	20 40	10 14	4 7	24 59	1 32	25 15	1 53	22 22	1 29	19 14	0 35	23 4	0 26	4 8	0 46	5 46	1 50	25 19	10 7	13 23	13 0	26 21	12 20	0 35
F 17	20 51	4 3	3 14	24 51	1 23	25 12	1 54	22 15	1 28	19 15	0 35	23 3	0 26	4 8	0 46	5 45	1 50	25 20	10 8	13 23	12 58	26 20	12 21	0 35
S 18	21 2	2n12	2 12	24 42	1 13	25 9	1 56	22 8	1 28	19 15	0 35	23 3	0 26	4 8	0 46	5 45	1 50	25 20	10 8	13 24	12 57	26 19	12 22	0 35
S 19	21 13	8 14	1 4	24 32	1 2	25 5	1 57	22 0	1 28	19 15	0 36	23 3	0 26	4 8	0 46	5 45	1 49	25 21	10 8	13 24	12 56	26 18	12 23	0 35
M20	21 23	13 51	0n 6	24 21	0 50	25 0	1 57	21 52	1 27	19 15	0 36	23 3	0 26	4 8	0 46	5 44	1 49	25 21	10 9	13 24	12 55	26 17	12 24	0 35
T 21	21 33	18 47	1 14	24 9	0 37	24 54	1 58	21 44	1 27	19 16	0 36	23 3	0 25	4 8	0 46	5 44	1 49	25 21	10 9	13 24	12 54	26 16	12 25	0 35
W22	21 42	22 50	2 18	23 56	0 24	24 48	1 59	21 36	1 26	19 16	0 36	23 3	0 25	4 8	0 46	5 44	1 49	25 22	10 9	13 23	12 53	26 14	12 26	0 35
T 23	21 52	25 47	3 14	23 42	0 10	24 41	2 0	21 28	1 26	19 16	0 37	23 3	0 25	4 8	0 46	5 43	1 49	25 22	10 10	13 22	12 52	26 13	12 27	0 35
F 24	22 0	27 29	4 1	23 28	0s 4	24 33	2 0	21 20	1 25	19 17	0 37	23 3	0 25	4 8	0 45	5 43	1 49	25 22	10 10	13 20	12 51	26 12	12 28	0 35
S 25	22 9	27 53	4 36	23 13	0 19	24 25	2 1	21 12	1 25	19 18	0 37	23 3	0 25	4 8	0 45	5 43	1 49	25 23	10 10	13 18	12 50	26 11	12 29	0 35
S 26	22 17	26 57	4 59	22 57	0 35	24 16	2 1	21 3	1 24	19 18	0 37	23 2	0 25	4 7	0 45	5 42	1 49	25 23	10 10	13 16	12 49	26 10	12 30	0 35
M27	22 24	24 49	5 9	22 41	0 51	24 6	2 2	20 54	1 24	19 19	0 38	23 2	0 25	4 7	0 45	5 42	1 49	25 24	10 11	13 14	12 48	26 9	12 31	0 36
T 28	22 31	21 37	5 6	22 25	1 7	23 56	2 2	20 45	1 23	19 19	0 38	23 2	0 25	4 7	0 45	5 42	1 49	25 24	10 11	13 12	12 47	26 8	12 32	0 36
W29	22 38	17 32	4 50	22 8	1 24	23 45	2 2	20 37	1 23	19 20	0 38	23 2	0 25	4 7	0 45	5 42	1 49	25 24	10 11	13 11	12 46	26 6	12 33	0 36
T 30	22 45	12 42	4 20	21 52	1 40	23 34	2 2	20 27	1 22	19 21	0 38	23 2	0 25	4 7	0 45	5 41	1 49	25 25	10 12	13 10	12 44	26 5	12 34	0 36
F 31	22n51	7n19	3n39	21n35	1s57	23n21	2n 2	20n18	1n22	19s22	0s39	23n 2	0s24	4n 7	0n45	5s41	1n49	25s25	10s12	13n10	12n43	26n 4	12n35	0s36

Julian Day Number = 2194907.5, Delta T = 10m28s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'26, Lahiri = 14°03'26 Julian Calendar 1 May 1297 == Greg. Calendar 8 May 1297

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

JUNE 1297 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 7 51	17♊25'26	2♎31	28°R56	25♋23	6♌ 2	6°R22	5♋12	21♍25	18°R43	17°R12	4♉49	3♉25	25♋57	4♉48	S 1
S 2	17 11 47	18°22'39	15°22	28♊33	26°32	6°38	6♒20	5°19	21°26	18♎42	17♒12	4°50	3°22	26° 4	4°51	S 2
M 3	17 15 44	19°19'51	28°38	28° 8	27°42	7°14	6°17	5°27	21°27	18°42	17°11	4°R51	3°19	26°10	4°55	M 3
T 4	17 19 40	20°17'02	12♏21	27°39	28°51	7°50	6°14	5°35	21°27	18°41	17°10	4°51	3°16	26°17	4°58	T 4
W 5	17 23 37	21°14'13	26°31	27° 8	0♌ 1	8°26	6°10	5°42	21°28	18°40	17°10	4°49	3°13	26°24	5° 1	W 5
T 6	17 27 33	22°11'24	11♐ 6	26°35	1°10	9° 2	6° 7	5°50	21°29	18°40	17° 9	4°46	3°10	26°31	5° 4	T 6
F 7	17 31 30	23° 8'34	26° 0	26° 1	2°19	9°37	6° 3	5°58	21°29	18°39	17° 9	4°40	3° 6	26°37	5° 7	F 7
S 8	17 35 27	24° 5'44	11♑ 5	25°26	3°28	10°14	5°59	6° 5	21°30	18°39	17° 8	4°33	3° 3	26°44	5°10	S 8
S 9	17 39 23	25° 2'54	26°11	24°50	4°37	10°50	5°55	6°13	21°31	18°39	17° 7	4°26	3° 0	26°51	5°12	S 9
M10	17 43 20	26° 0'04	11♒ 9	24°15	5°46	11°26	5°51	6°21	21°32	18°38	17° 7	4°19	2°57	26°57	5°15	M10
T 11	17 47 16	26°57'14	25°49	23°41	6°55	12° 2	5°47	6°29	21°33	18°38	17° 6	4°13	2°54	27° 4	5°18	T 11
W12	17 51 13	27°54'24	10♓ 9	23° 8	8° 4	12°38	5°42	6°36	21°34	18°37	17° 5	4°10	2°50	27°11	5°21	W12
T 13	17 55 9	28°51'34	24° 4	22°38	9°12	13°14	5°38	6°44	21°36	18°37	17° 4	4°D 9	2°47	27°18	5°24	T 13
F 14	17 59 6	29°48'44	7♈35	22°10	10°21	13°50	5°33	6°52	21°37	18°37	17° 4	4° 9	2°44	27°24	5°26	F 14
S 15	18 3 3	0♋45'54	20°45	21°45	11°29	14°27	5°28	7° 0	21°38	18°37	17° 3	4°10	2°41	27°31	5°29	S 15
S 16	18 6 59	1°43'05	3♉37	21°24	12°37	15° 3	5°23	7° 7	21°39	18°36	17° 2	4°R10	2°38	27°38	5°32	S 16
M17	18 10 56	2°40'16	16°12	21° 7	13°45	15°39	5°17	7°15	21°41	18°36	17° 1	4° 9	2°35	27°45	5°34	M17
T 18	18 14 52	3°37'28	28°36	20°54	14°53	16°16	5°12	7°23	21°42	18°36	17° 0	4° 7	2°31	27°51	5°37	T 18
W19	18 18 49	4°34'40	10♊50	20°46	16° 1	16°52	5° 6	7°31	21°43	18°36	16°59	4° 1	2°28	27°58	5°39	W19
T 20	18 22 45	5°31'52	22°56	20°D42	17° 9	17°29	5° 1	7°39	21°45	18°36	16°58	3°54	2°25	28° 5	5°41	T 20
F 21	18 26 42	6°29'04	4♋56	20°44	18°16	18° 5	4°55	7°46	21°46	18°36	16°57	3°44	2°22	28°11	5°44	F 21
S 22	18 30 38	7°26'16	16°52	20°50	19°24	18°42	4°49	7°54	21°48	18°D36	16°57	3°32	2°19	28°18	5°46	S 22
S 23	18 34 35	8°23'29	28°45	21° 2	20°31	19°18	4°43	8° 2	21°50	18°36	16°56	3°20	2°16	28°25	5°49	S 23
M24	18 38 32	9°20'42	10♌36	21°19	21°38	19°55	4°36	8°10	21°51	18°36	16°55	3° 9	2°12	28°32	5°51	M24
T 25	18 42 28	10°17'54	22°28	21°42	22°45	20°32	4°30	8°18	21°53	18°36	16°54	2°59	2° 9	28°38	5°53	T 25
W26	18 46 25	11°15'07	4♍23	22°10	23°52	21° 9	4°24	8°26	21°55	18°36	16°53	2°51	2° 6	28°45	5°55	W26
T 27	18 50 21	12°12'20	16°25	22°43	24°59	21°45	4°17	8°33	21°57	18°36	16°52	2°45	2° 3	28°52	5°57	T 27
F 28	18 54 18	13° 9'34	28°38	23°21	26° 5	22°22	4°10	8°41	21°58	18°36	16°51	2°43	2° 0	28°59	5°59	F 28
S 29	18 58 14	14° 6'47	11♎ 5	24° 5	27°12	22°59	4° 3	8°49	22° 0	18°36	16°49	2°D42	1°56	29° 5	6° 1	S 29
S 30	19 2 11	15♋ 4'00	23♎52	24♊54	28♌18	23♌36	3♒57	8♋57	22♍ 2	18♎37	16♒48	2♉42	1♉53	29♋12	6♉ 3	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n56	1n32	2n46	21n18	2s14	23n 9	2n 2	20n 9	1n21	19s23	0s39	23n 1	0s24	4n 6	0n45	5s41	1n49	25s26	10s12	13n11	12n42	26n 3	12n36	0s36
S 2	23 1	4s29	1 43	21 1	2 30	22 55	2 2	19 59	1 21	19 24	0 39	23 1	0 24	4 6	0 45	5 41	1 49	25 26	10 13	13 11	12 41	26 2	12 37	0 36
M 3	23 6	10 30	0 34	20 45	2 46	22 41	2 1	19 50	1 20	19 25	0 39	23 1	0 24	4 6	0 45	5 41	1 49	25 27	10 13	13 11	12 40	26 0	12 38	0 36
T 4	23 11	16 15	0s40	20 29	3 2	22 26	2 1	19 40	1 20	19 26	0 39	23 1	0 24	4 5	0 45	5 40	1 49	25 27	10 13	13 11	12 39	25 59	12 39	0 36
W 5	23 14	21 18	1 54	20 14	3 16	22 11	2 0	19 30	1 19	19 27	0 40	23 1	0 24	4 5	0 45	5 40	1 49	25 28	10 13	13 11	12 38	25 58	12 40	0 37
T 6	23 18	25 12	3 3	19 59	3 30	21 55	2 0	19 20	1 19	19 28	0 40	23 0	0 24	4 5	0 45	5 40	1 49	25 28	10 14	13 9	12 37	25 57	12 41	0 37
F 7	23 21	27 28	4 0	19 45	3 43	21 39	1 59	19 10	1 18	19 29	0 40	23 0	0 24	4 4	0 45	5 40	1 49	25 28	10 14	13 8	12 36	25 56	12 42	0 37
S 8	23 24	27 44	4 41	19 32	3 55	21 22	1 58	19 0	1 18	19 30	0 40	23 0	0 24	4 4	0 45	5 40	1 49	25 29	10 14	13 5	12 35	25 54	12 43	0 37
S 9	23 26	25 57	5 3	19 20	4 6	21 5	1 57	18 50	1 17	19 31	0 41	23 0	0 24	4 4	0 45	5 40	1 48	25 29	10 14	13 3	12 34	25 53	12 44	0 37
M10	23 28	22 22	5 4	19 10	4 15	20 47	1 56	18 39	1 17	19 32	0 41	22 59	0 23	4 3	0 45	5 40	1 48	25 30	10 15	13 0	12 32	25 52	12 45	0 37
T 11	23 30	17 26	4 45	19 1	4 23	20 28	1 55	18 28	1 16	19 34	0 41	22 59	0 23	4 3	0 45	5 39	1 48	25 30	10 15	12 59	12 31	25 51	12 45	0 37
W12	23 31	11 37	4 8	18 53	4 29	20 9	1 54	18 18	1 16	19 35	0 41	22 59	0 23	4 2	0 45	5 39	1 48	25 31	10 15	12 58	12 30	25 49	12 46	0 37
T 13	23 32	5 24	3 18	18 46	4 34	19 50	1 53	18 7	1 15	19 36	0 42	22 58	0 23	4 2	0 45	5 39	1 48	25 31	10 16	12 57	12 29	25 48	12 47	0 37
F 14	23 32	0n55	2 17	18 41	4 37	19 30	1 51	17 56	1 15	19 38	0 42	22 58	0 23	4 1	0 45	5 39	1 48	25 32	10 16	12 57	12 28	25 47	12 48	0 37
S 15	23 32	7 2	1 11	18 38	4 39	19 10	1 50	17 45	1 15	19 39	0 42	22 58	0 23	4 1	0 45	5 39	1 48	25 32	10 16	12 57	12 27	25 45	12 49	0 38
S 16	23 31	12 43	0 3	18 37	4 39	18 49	1 48	17 34	1 14	19 41	0 42	22 58	0 23	4 0	0 44	5 39	1 48	25 33	10 16	12 58	12 26	25 44	12 49	0 38
M17	23 30	17 46	1n 4	18 37	4 38	18 28	1 46	17 22	1 14	19 42	0 42	22 57	0 23	4 0	0 44	5 39	1 48	25 33	10 17	12 57	12 25	25 43	12 50	0 38
T 18	23 29	21 59	2 7	18 38	4 35	18 6	1 44	17 11	1 13	19 44	0 43	22 57	0 23	3 59	0 44	5 39	1 48	25 34	10 17	12 56	12 24	25 42	12 51	0 38
W19	23 27	25 10	3 2	18 42	4 31	17 44	1 42	17 0	1 13	19 45	0 43	22 56	0 23	3 58	0 44	5 39	1 48	25 34	10 17	12 55	12 23	25 40	12 52	0 38
T 20	23 25	27 10	3 49	18 47	4 26	17 21	1 40	16 48	1 12	19 47	0 43	22 56	0 23	3 58	0 44	5 39	1 48	25 35	10 17	12 52	12 22	25 39	12 52	0 38
F 21	23 22	27 52	4 25	18 53	4 20	16 58	1 38	16 36	1 12	19 49	0 43	22 56	0 22	3 57	0 44	5 39	1 48	25 35	10 17	12 49	12 20	25 38	12 53	0 38
S 22	23 19	27 15	4 50	19 1	4 12	16 35	1 36	16 24	1 11	19 50	0 43	22 55	0 22	3 56	0 44	5 39	1 48	25 36	10 18	12 45	12 19	25 36	12 54	0 38
S 23	23 16	25 24	5 1	19 10	4 4	16 11	1 34	16 12	1 11	19 52	0 44	22 55	0 22	3 56	0 44	5 39	1 48	25 36	10 18	12 40	12 18	25 35	12 54	0 38
M24	23 12	22 27	5 0	19 21	3 55	15 47	1 31	16 0	1 10	19 54	0 44	22 55	0 22	3 55	0 44	5 39	1 48	25 37	10 18	12 37	12 17	25 34	12 55	0 39
T 25	23 8	18 34	4 45	19 32	3 44	15 23	1 28	15 48	1 10	19 55	0 44	22 54	0 22	3 54	0 44	5 39	1 48	25 37	10 18	12 33	12 16	25 32	12 56	0 39
W26	23 3	13 56	4 18	19 45	3 33	14 58	1 26	15 36	1 9	19 57	0 44	22 54	0 22	3 54	0 44	5 40	1 48	25 38	10 19	12 30	12 15	25 31	12 56	0 39
T 27	22 58	8 45	3 39	19 58	3 22	14 33	1 23	15 23	1 9	19 59	0 44	22 53	0 22	3 53	0 44	5 40	1 47	25 39	10 19	12 29	12 14	25 29	12 57	0 39
F 28	22 53	3 9	2 50	20 13	3 9	14 7	1 20	15 11	1 8	20 1	0 45	22 53	0 22	3 52	0 44	5 40	1 47	25 39	10 19	12 28	12 13	25 28	12 57	0 39
S 29	22 47	2s41	1 52	20 27	2 57	13 42	1 17	14 58	1 8	20 3	0 45	22 53	0 22	3 51	0 44	5 40	1 47	25 40	10 19	12 27	12 12	25 27	12 58	0 39
S 30	22n41	8s34	0n47	20n43	2s44	13n16	1n14	14n46	1n 7	20s 4	0s45	22n52	0s22	3n51	0n44	5s40	1n47	25s40	10s19	12n27	12n11	25n25	12n58	0s39

Julian Day Number = 2194938.5, Delta T = 10m28s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'30, Lahiri = 14°03'30 Julian Calendar 1 June 1297 == Greg. Calendar 8 June 1297

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

JULY 1297 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	19 6 7	16♋ 1'14	7♏ 3	25♊48	29♌24	24♌13	3°R50	9♋ 5	22♍ 4	18♎37	16°R47	2°R42	1♉50	29♋19	6♉ 5	M 1
T 2	19 10 4	16°58'28	20°41	26°47	0♍30	24°50	3♒42	9°12	22° 6	18°37	16♒46	2♉41	1°47	29°25	6° 7	T 2
W 3	19 14 1	17°55'43	4♐49	27°51	1°36	25°27	3°35	9°20	22° 8	18°37	16°45	2°38	1°44	29°32	6° 9	W 3
T 4	19 17 57	18°52'57	19°25	29° 0	2°41	26° 4	3°28	9°28	22°11	18°38	16°44	2°32	1°41	29°39	6°11	T 4
F 5	19 21 54	19°50'13	4♑24	0♋14	3°47	26°41	3°21	9°36	22°13	18°38	16°43	2°24	1°37	29°46	6°12	F 5
S 6	19 25 50	20°47'29	19°39	1°33	4°52	27°18	3°13	9°43	22°15	18°39	16°42	2°14	1°34	29°52	6°14	S 6
S 7	19 29 47	21°44'45	4♒59	2°56	5°57	27°55	3° 6	9°51	22°17	18°39	16°41	2° 4	1°31	29°59	6°16	S 7
M 8	19 33 43	22°42'02	20°11	4°24	7° 2	28°33	2°58	9°59	22°20	18°40	16°39	1°54	1°28	0♌ 6	6°17	M 8
T 9	19 37 40	23°39'20	5♓ 7	5°56	8° 6	29°10	2°51	10° 6	22°22	18°40	16°38	1°46	1°25	0°12	6°19	T 9
W10	19 41 36	24°36'39	19°39	7°33	9°11	29°47	2°43	10°14	22°24	18°41	16°37	1°40	1°22	0°19	6°20	W10
T 11	19 45 33	25°33'59	3♈42	9°13	10°15	0♍24	2°36	10°22	22°27	18°41	16°36	1°37	1°18	0°26	6°21	T 11
F 12	19 49 30	26°31'20	17°18	10°57	11°19	1° 2	2°28	10°29	22°29	18°42	16°35	1°35	1°15	0°33	6°23	F 12
S 13	19 53 26	27°28'43	0♉27	12°45	12°22	1°39	2°20	10°37	22°32	18°42	16°33	1°35	1°12	0°39	6°24	S 13
S 14	19 57 23	28°26'06	13°14	14°35	13°26	2°17	2°12	10°45	22°34	18°43	16°32	1°35	1° 9	0°46	6°25	S 14
M15	20 1 19	29°23'31	25°43	16°29	14°29	2°54	2° 5	10°52	22°37	18°44	16°31	1°34	1° 6	0°53	6°26	M15
T 16	20 5 16	0♌20'57	7♊58	18°25	15°32	3°32	1°57	11° 0	22°39	18°44	16°30	1°30	1° 2	1° 0	6°27	T 16
W17	20 9 12	1°18'24	20° 3	20°23	16°35	4° 9	1°49	11° 7	22°42	18°45	16°28	1°23	0°59	1° 6	6°28	W17
T 18	20 13 9	2°15'52	2♋ 1	22°23	17°37	4°47	1°41	11°15	22°45	18°46	16°27	1°14	0°56	1°13	6°29	T 18
F 19	20 17 5	3°13'22	13°55	24°25	18°40	5°25	1°33	11°22	22°48	18°47	16°26	1° 2	0°53	1°20	6°30	F 19
S 20	20 21 2	4°10'52	25°47	26°27	19°42	6° 2	1°25	11°30	22°50	18°48	16°25	0°49	0°50	1°26	6°31	S 20
S 21	20 24 59	5° 8'24	7♌39	28°30	20°43	6°40	1°18	11°37	22°53	18°49	16°23	0°35	0°47	1°33	6°32	S 21
M22	20 28 55	6° 5'57	19°32	0♍34	21°45	7°18	1°10	11°44	22°56	18°50	16°22	0°21	0°43	1°40	6°33	M22
T 23	20 32 52	7° 3'31	1♍28	2°38	22°46	7°56	1° 2	11°52	22°59	18°50	16°21	0° 9	0°40	1°47	6°34	T 23
W24	20 36 48	8° 1'05	13°27	4°41	23°46	8°34	0°54	11°59	23° 2	18°51	16°19	29♈59	0°37	1°53	6°34	W24
T 25	20 40 45	8°58'41	25°33	6°45	24°47	9°11	0°47	12° 6	23° 5	18°52	16°18	29°53	0°34	2° 0	6°35	T 25
F 26	20 44 41	9°56'18	7♎49	8°47	25°47	9°49	0°39	12°14	23° 8	18°53	16°17	29°49	0°31	2° 7	6°35	F 26
S 27	20 48 38	10°53'56	20°17	10°49	26°47	10°27	0°32	12°21	23°11	18°55	16°16	29°47	0°28	2°14	6°36	S 27
S 28	20 52 34	11°51'35	3♏ 3	12°50	27°46	11° 6	0°24	12°28	23°14	18°56	16°14	29°D47	0°24	2°20	6°36	S 28
M29	20 56 31	12°49'15	16°10	14°51	28°45	11°44	0°17	12°35	23°17	18°57	16°13	29°R47	0°21	2°27	6°37	M29
T 30	21 0 28	13°46'56	29°41	16°49	29°44	12°22	0° 9	12°42	23°20	18°58	16°12	29°46	0°18	2°34	6°37	T 30
W31	21 4 24	14♌44'38	13♐40	18♌47	0♎42	13♍ 0	0♒ 2	12♋49	23♍23	18♎59	16♒10	29♈44	0♉15	2♌40	6♉37	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n34	14s17	0s23	20n58	2s30	12n49	1n10	14n33	1n 7	20s 6	0s45	22n52	0s22	3n50	0n44	5s40	1n47	25s41	10s20	12n27	12n 9	25n24	12n59	0s39
T 2	22 27	19 30	1 34	21 13	2 16	12 23	1 7	14 20	1 6	20 8	0 45	22 51	0 22	3 49	0 44	5 40	1 47	25 41	10 20	12 27	12 8	25 22	12 59	0 40
W 3	22 20	23 49	2 41	21 29	2 2	11 56	1 3	14 7	1 6	20 10	0 46	22 51	0 21	3 48	0 44	5 40	1 47	25 42	10 20	12 26	12 7	25 21	13 0	0 40
T 4	22 12	26 46	3 40	21 44	1 48	11 29	1 0	13 54	1 5	20 12	0 46	22 50	0 21	3 47	0 44	5 41	1 47	25 42	10 20	12 24	12 6	25 20	13 0	0 40
F 5	22 4	27 53	4 26	21 58	1 34	11 2	0 56	13 41	1 5	20 14	0 46	22 50	0 21	3 46	0 44	5 41	1 47	25 43	10 20	12 21	12 5	25 18	13 1	0 40
S 6	21 55	26 55	4 53	22 12	1 20	10 34	0 52	13 28	1 4	20 16	0 46	22 49	0 21	3 45	0 44	5 41	1 47	25 43	10 21	12 18	12 4	25 17	13 1	0 40
S 7	21 46	23 57	5 0	22 24	1 6	10 7	0 48	13 14	1 4	20 18	0 46	22 49	0 21	3 44	0 44	5 41	1 47	25 44	10 21	12 14	12 3	25 15	13 2	0 40
M 8	21 37	19 19	4 46	22 36	0 52	9 39	0 44	13 1	1 3	20 19	0 46	22 48	0 21	3 43	0 44	5 42	1 47	25 44	10 21	12 11	12 2	25 14	13 2	0 40
T 9	21 27	13 34	4 12	22 46	0 38	9 11	0 40	12 47	1 3	20 21	0 47	22 48	0 21	3 42	0 44	5 42	1 47	25 45	10 21	12 8	12 1	25 12	13 2	0 40
W10	21 17	7 13	3 22	22 54	0 25	8 43	0 36	12 34	1 2	20 23	0 47	22 47	0 21	3 41	0 44	5 42	1 47	25 45	10 21	12 6	12 0	25 11	13 3	0 40
T 11	21 7	0 41	2 22	23 1	0 12	8 14	0 31	12 20	1 2	20 25	0 47	22 47	0 21	3 40	0 44	5 42	1 47	25 46	10 21	12 5	11 58	25 9	13 3	0 41
F 12	20 56	5n40	1 15	23 6	0n 1	7 46	0 27	12 6	1 1	20 27	0 47	22 46	0 21	3 39	0 43	5 43	1 47	25 46	10 22	12 4	11 57	25 8	13 3	0 41
S 13	20 45	11 35	0 6	23 8	0 13	7 17	0 22	11 52	1 1	20 29	0 47	22 46	0 21	3 38	0 43	5 43	1 47	25 47	10 22	12 4	11 56	25 6	13 4	0 41
S 14	20 33	16 51	1n 1	23 8	0 24	6 49	0 18	11 38	1 0	20 31	0 47	22 45	0 21	3 37	0 43	5 43	1 47	25 48	10 22	12 4	11 55	25 5	13 4	0 41
M15	20 21	21 16	2 4	23 6	0 35	6 20	0 13	11 24	1 0	20 33	0 48	22 45	0 21	3 36	0 43	5 44	1 46	25 48	10 22	12 4	11 54	25 3	13 4	0 41
T 16	20 9	24 40	2 59	23 1	0 46	5 51	0 8	11 10	0 59	20 35	0 48	22 44	0 20	3 35	0 43	5 44	1 46	25 49	10 22	12 2	11 53	25 2	13 5	0 41
W17	19 57	26 55	3 46	22 53	0 55	5 22	0 3	10 56	0 59	20 37	0 48	22 44	0 20	3 34	0 43	5 44	1 46	25 49	10 22	12 0	11 52	25 0	13 5	0 41
T 18	19 44	27 53	4 22	22 43	1 4	4 53	0s 2	10 42	0 58	20 38	0 48	22 43	0 20	3 33	0 43	5 45	1 46	25 50	10 22	11 57	11 51	24 59	13 5	0 41
F 19	19 31	27 33	4 46	22 30	1 12	4 23	0 7	10 27	0 58	20 40	0 48	22 43	0 20	3 32	0 43	5 45	1 46	25 50	10 22	11 53	11 50	24 57	13 5	0 42
S 20	19 17	25 57	4 58	22 14	1 19	3 54	0 13	10 13	0 57	20 42	0 48	22 42	0 20	3 31	0 43	5 45	1 46	25 51	10 23	11 48	11 48	24 56	13 5	0 42
S 21	19 3	23 12	4 57	21 56	1 25	3 25	0 18	9 59	0 57	20 44	0 48	22 41	0 20	3 30	0 43	5 46	1 46	25 51	10 23	11 43	11 47	24 54	13 6	0 42
M22	18 49	19 29	4 43	21 35	1 30	2 56	0 24	9 44	0 56	20 46	0 48	22 41	0 20	3 29	0 43	5 46	1 46	25 52	10 23	11 38	11 46	24 53	13 6	0 42
T 23	18 35	14 59	4 17	21 11	1 35	2 26	0 29	9 29	0 56	20 48	0 49	22 40	0 20	3 27	0 43	5 46	1 46	25 52	10 23	11 34	11 45	24 51	13 6	0 42
W24	18 20	9 53	3 39	20 46	1 39	1 57	0 35	9 15	0 55	20 50	0 49	22 40	0 20	3 26	0 43	5 47	1 46	25 53	10 23	11 31	11 44	24 50	13 6	0 42
T 25	18 5	4 23	2 50	20 18	1 42	1 28	0 41	9 0	0 55	20 51	0 49	22 39	0 20	3 25	0 43	5 47	1 46	25 53	10 23	11 28	11 43	24 48	13 6	0 42
F 26	17 50	1s23	1 53	19 48	1 44	0 58	0 47	8 45	0 54	20 53	0 49	22 38	0 20	3 24	0 43	5 48	1 46	25 54	10 23	11 27	11 42	24 46	13 6	0 42
S 27	17 34	7 11	0 50	19 16	1 45	0 29	0 53	8 30	0 54	20 55	0 49	22 38	0 20	3 23	0 43	5 48	1 46	25 54	10 23	11 26	11 41	24 45	13 6	0 43
S 28	17 18	12 51	0s17	18 43	1 46	0s 0	0 59	8 15	0 53	20 57	0 49	22 37	0 20	3 21	0 43	5 49	1 46	25 55	10 23	11 26	11 40	24 43	13 6	0 43
M29	17 2	18 6	1 26	18 8	1 46	0 30	1 5	8 0	0 53	20 58	0 49	22 37	0 19	3 20	0 43	5 49	1 46	25 55	10 23	11 26	11 38	24 42	13 6	0 43
T 30	16 45	22 37	2 31	17 32	1 46	0 59	1 11	7 45	0 52	21 0	0 49	22 36	0 19	3 19	0 43	5 50	1 46	25 56	10 24	11 26	11 37	24 40	13 6	0 43
W31	16n28	26s 0	3s30	16n54	1n44	1s28	1s17	7n30	0n52	21s 2	0s49	22n35	0s19	3n18	0n43	5s50	1n46	25s56	10s24	11n25	11n36	24n38	13n 6	0s43

Julian Day Number = 2194968.5, Delta T = 10m28s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'34, Lahiri = 14°03'34 Julian Calendar 1 July 1297 == Greg. Calendar 8 July 1297

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

AUGUST 1297 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	21 8 21	15♌42'22	28♐ 6	20♌44	1♎40	13♍38	29°R55	12♋56	23♍26	19♎ 0	16°R 9	29°R39	0♉12	2♌47	6♉37	T 1
F 2	21 12 17	16°40'06	12♑56	22°39	2°38	14°16	29♑47	13° 3	23°29	19° 2	16♒ 8	29♈31	0° 8	2°54	6°37	F 2
S 3	21 16 14	17°37'52	28° 5	24°33	3°35	14°55	29°40	13°10	23°33	19° 3	16° 6	29°22	0° 5	3° 1	6°37	S 3
S 4	21 20 10	18°35'39	13♒22	26°26	4°31	15°33	29°33	13°17	23°36	19° 4	16° 5	29°12	0° 2	3° 7	6°R37	S 4
M 5	21 24 7	19°33'28	28°37	28°17	5°27	16°11	29°26	13°24	23°39	19° 5	16° 4	29° 2	29♈59	3°14	6°37	M 5
T 6	21 28 4	20°31'18	13♓38	0♍ 7	6°23	16°50	29°20	13°31	23°42	19° 7	16° 2	28°54	29°56	3°21	6°37	T 6
W 7	21 32 0	21°29'09	28°17	1°55	7°18	17°28	29°13	13°38	23°46	19° 8	16° 1	28°48	29°53	3°28	6°37	W 7
T 8	21 35 57	22°27'03	12♈29	3°42	8°13	18° 7	29° 6	13°44	23°49	19°10	16° 0	28°45	29°49	3°34	6°37	T 8
F 9	21 39 53	23°24'58	26°12	5°28	9° 7	18°45	29° 0	13°51	23°53	19°11	15°59	28°D44	29°46	3°41	6°37	F 9
S 10	21 43 50	24°22'55	9♉26	7°13	10° 0	19°24	28°53	13°58	23°56	19°12	15°57	28°45	29°43	3°48	6°36	S 10
S 11	21 47 46	25°20'54	22°15	8°56	10°53	20° 2	28°47	14° 4	23°59	19°14	15°56	28°R45	29°40	3°54	6°36	S 11
M12	21 51 43	26°18'55	4♊44	10°38	11°46	20°41	28°41	14°11	24° 3	19°15	15°55	28°45	29°37	4° 1	6°35	M12
T 13	21 55 39	27°16'58	16°58	12°19	12°38	21°20	28°35	14°17	24° 6	19°17	15°53	28°43	29°34	4° 8	6°35	T 13
W14	21 59 36	28°15'02	29° 0	13°58	13°29	21°59	28°29	14°23	24°10	19°18	15°52	28°38	29°30	4°15	6°34	W14
T 15	22 3 33	29°13'09	10♋55	15°36	14°19	22°37	28°23	14°30	24°13	19°20	15°51	28°32	29°27	4°21	6°34	T 15
F 16	22 7 29	0♍11'18	22°47	17°13	15° 9	23°16	28°18	14°36	24°17	19°22	15°50	28°23	29°24	4°28	6°33	F 16
S 17	22 11 26	1° 9'28	4♌38	18°49	15°58	23°55	28°12	14°42	24°20	19°23	15°48	28°13	29°21	4°35	6°32	S 17
S 18	22 15 22	2° 7'41	16°32	20°24	16°47	24°34	28° 7	14°48	24°24	19°25	15°47	28° 2	29°18	4°41	6°31	S 18
M19	22 19 19	3° 5'55	28°29	21°57	17°34	25°13	28° 2	14°55	24°27	19°26	15°46	27°51	29°14	4°48	6°30	M19
T 20	22 23 15	4° 4'11	10♍31	23°29	18°21	25°52	27°57	15° 1	24°31	19°28	15°45	27°42	29°11	4°55	6°29	T 20
W21	22 27 12	5° 2'28	22°40	25° 0	19° 7	26°31	27°52	15° 7	24°35	19°30	15°43	27°35	29° 8	5° 2	6°28	W21
T 22	22 31 8	6° 0'48	4♎57	26°30	19°53	27°10	27°48	15°12	24°38	19°32	15°42	27°30	29° 5	5° 8	6°27	T 22
F 23	22 35 5	6°59'09	17°23	27°59	20°37	27°50	27°43	15°18	24°42	19°33	15°41	27°27	29° 2	5°15	6°26	F 23
S 24	22 39 1	7°57'32	0♏ 2	29°26	21°20	28°29	27°39	15°24	24°46	19°35	15°40	27°D27	28°59	5°22	6°25	S 24
S 25	22 42 58	8°55'56	12°54	0♎52	22° 3	29° 8	27°35	15°30	24°49	19°37	15°38	27°28	28°55	5°29	6°24	S 25
M26	22 46 55	9°54'22	26° 3	2°17	22°44	29°47	27°31	15°35	24°53	19°39	15°37	27°29	28°52	5°35	6°23	M26
T 27	22 50 51	10°52'50	9♐32	3°40	23°25	0♎27	27°27	15°41	24°57	19°41	15°36	27°R29	28°49	5°42	6°21	T 27
W28	22 54 48	11°51'20	23°23	5° 3	24° 4	1° 6	27°23	15°46	25° 0	19°42	15°35	27°29	28°46	5°49	6°20	W28
T 29	22 58 44	12°49'51	7♑36	6°24	24°42	1°46	27°20	15°52	25° 4	19°44	15°34	27°26	28°43	5°55	6°18	T 29
F 30	23 2 41	13°48'24	22°10	7°43	25°19	2°25	27°17	15°57	25° 8	19°46	15°33	27°22	28°40	6° 2	6°17	F 30
S 31	23 6 37	14♍46'58	6♒59	9♎ 1	25♎55	3♎ 5	27♑14	16♋ 3	25♍11	19♎48	15♒32	27♈17	28♈36	6♌ 9	6♉15	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
T 1	16n11	27s49	4s18	16n16	1n43	1s57	1s24	7n15	0n51	21s 3	0s49	22n35	0s19	3n16	0n43	5s51	1n46	25s57	10s24	11n23	11n35	24n37	13n 6	0s43	
F 2	15 54	27 42	4 49	15 36	1 40	2 26	1 30	6 59	0 50	21 5	0 50	22 34	0 19	3 15	0 43	5 51	1 46	25 57	10 24	11 21	11 34	24 35	13 6	0 43	
S 3	15 37	25 33	5 2	14 55	1 38	2 55	1 37	6 44	0 50	21 6	0 50	22 34	0 19	3 14	0 43	5 52	1 45	25 57	10 24	11 17	11 33	24 33	13 6	0 44	
S 4	15 19	21 32	4 53	14 14	1 34	3 23	1 44	6 29	0 49	21 8	0 50	22 33	0 19	3 12	0 43	5 52	1 45	25 58	10 24	11 14	11 32	24 32	13 6	0 44	
M 5	15 1	16 6	4 23	13 32	1 31	3 52	1 50	6 13	0 49	21 10	0 50	22 32	0 19	3 11	0 43	5 53	1 45	25 58	10 24	11 10	11 31	24 30	13 5	0 44	
T 6	14 42	9 46	3 35	12 49	1 26	4 20	1 57	5 58	0 48	21 11	0 50	22 32	0 19	3 10	0 43	5 53	1 45	25 59	10 24	11 8	11 29	24 28	13 5	0 44	
W 7	14 24	3 2	2 34	12 6	1 22	4 49	2 4	5 42	0 48	21 12	0 50	22 31	0 19	3 8	0 43	5 54	1 45	25 59	10 24	11 6	11 28	24 27	13 5	0 44	
T 8	14 5	3n39	1 25	11 23	1 17	5 17	2 11	5 27	0 47	21 14	0 50	22 31	0 19	3 7	0 43	5 54	1 45	26 0	10 24	11 4	11 27	24 25	13 5	0 44	
F 9	13 46	9 56	0 14	10 39	1 12	5 45	2 18	5 11	0 47	21 15	0 50	22 30	0 19	3 6	0 43	5 55	1 45	26 0	10 24	11 4	11 26	24 23	13 5	0 44	
S 10	13 27	15 35	0n57	9 55	1 6	6 12	2 25	4 55	0 46	21 17	0 50	22 29	0 19	3 4	0 43	5 56	1 45	26 1	10 24	11 4	11 25	24 22	13 4	0 44	
S 11	13 7	20 22	2 2	9 11	1 0	6 40	2 33	4 40	0 46	21 18	0 50	22 29	0 19	3 3	0 43	5 56	1 45	26 1	10 24	11 4	11 24	24 20	13 4	0 45	
M12	12 48	24 6	2 59	8 27	0 54	7 7	2 40	4 24	0 45	21 19	0 50	22 28	0 18	3 2	0 43	5 57	1 45	26 1	10 24	11 4	11 23	24 18	13 4	0 45	
T 13	12 28	26 40	3 48	7 42	0 48	7 34	2 47	4 8	0 45	21 21	0 50	22 28	0 18	3 0	0 43	5 57	1 45	26 2	10 24	11 4	11 22	24 17	13 4	0 45	
W14	12 8	27 56	4 25	6 58	0 41	8 1	2 55	3 52	0 44	21 22	0 50	22 27	0 18	2 59	0 43	5 58	1 45	26 2	10 24	11 2	11 20	24 15	13 3	0 45	
T 15	11 47	27 54	4 50	6 13	0 34	8 28	3 2	3 36	0 44	21 23	0 50	22 26	0 18	2 57	0 43	5 59	1 45	26 3	10 24	11 0	11 19	24 13	13 3	0 45	
F 16	11 27	26 34	5 3	5 29	0 27	8 54	3 10	3 20	0 43	21 24	0 50	22 26	0 18	2 56	0 43	5 59	1 45	26 3	10 24	10 56	11 18	24 11	13 3	0 45	
S 17	11 6	24 4	5 2	4 45	0 20	9 20	3 17	3 4	0 43	21 25	0 50	22 25	0 18	2 54	0 43	6 0	1 45	26 3	10 24	10 53	11 17	24 10	13 2	0 45	
S 18	10 45	20 31	4 49	4 1	0 13	9 46	3 25	2 49	0 42	21 26	0 50	22 24	0 18	2 53	0 43	6 1	1 45	26 4	10 24	10 49	11 16	24 8	13 2	0 45	
M19	10 24	16 8	4 22	3 17	0 5	10 12	3 33	2 32	0 42	21 27	0 50	22 24	0 18	2 52	0 43	6 1	1 45	26 4	10 24	10 45	11 15	24 6	13 1	0 46	
T 20	10 3	11 6	3 44	2 34	0s 2	10 37	3 40	2 16	0 41	21 28	0 50	22 23	0 18	2 50	0 42	6 2	1 45	26 4	10 24	10 42	11 14	24 4	13 1	0 46	
W21	9 42	5 36	2 55	1 50	0 10	11 2	3 48	2 0	0 40	21 29	0 50	22 23	0 18	2 49	0 42	6 3	1 45	26 5	10 24	10 39	11 13	24 3	13 1	0 46	
T 22	9 20	0s10	1 58	1 7	0 18	11 26	3 56	1 44	0 40	21 30	0 50	22 22	0 18	2 47	0 42	6 3	1 45	26 5	10 24	10 37	11 11	24 1	13 0	0 46	
F 23	8 59	6 1	0 54	0 25	0 26	11 50	4 4	1 28	0 39	21 31	0 50	22 21	0 18	2 46	0 42	6 4	1 45	26 6	10 24	10 36	11 10	23 59	13 0	0 46	
S 24	8 37	11 44	0s14	0s17	0 34	12 14	4 11	1 12	0 39	21 32	0 50	22 21	0 18	2 44	0 42	6 5	1 45	26 6	10 24	10 36	11 9	23 57	12 59	0 46	
S 25	8 15	17 5	1 22	0 59	0 42	12 37	4 19	0 56	0 38	21 33	0 50	22 20	0 18	2 43	0 42	6 5	1 45	26 6	10 24	10 37	11 8	23 56	12 59	0 46	
M26	7 53	21 44	2 28	1 40	0 50	13 0	4 27	0 40	0 38	21 34	0 50	22 20	0 18	2 41	0 42	6 6	1 45	26 6	10 24	10 37	11 7	23 54	12 58	0 46	
T 27	7 31	25 23	3 27	2 21	0 58	13 23	4 35	0 23	0 37	21 34	0 50	22 19	0 17	2 40	0 42	6 7	1 44	26 7	10 24	10 37	11 6	23 52	12 57	0 47	
W28	7 9	27 38	4 16	3 1	1 6	13 45	4 43	0 7	0 37	21 35	0 50	22 19	0 17	2 38	0 42	6 8	1 44	26 7	10 23	10 37	11 5	23 50	12 57	0 47	
T 29	6 46	28 9	4 51	3 41	1 14	14 6	4 51	0s 9	0 36	21 36	0 50	22 18	0 17	2 37	0 42	6 8	1 44	26 7	10 23	10 36	11 4	23 48	12 56	0 47	
F 30	6 24	26 45	5 8	4 20	1 22	14 27	4 59	0 25	0 36	21 36	0 50	22 17	0 17	2 35	0 42	6 9	1 44	26 8	10 23	10 35	11 2	23 46	12 56	0 47	
S 31	6n 1	23s30	5s 4	4s58	1s30	14s48	5s 7	0s42	0n35	21s37	0s50	22n17	0s17	2n34	0n42	6s10	1n44	26s 8	10s23	10n33	11n 1	23n45	12n55	0s47	

Julian Day Number = 2194999.5, Delta T = 10m28s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'38, Lahiri = 14°03'39 Julian Calendar 1 Aug. 1297 == Greg. Calendar 8 Aug. 1297

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

SEPTEMBER 1297 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	23 10 34	15♍45'34	21♒58	10♎18	26♎30	3♎44	27°R11	16♋ 8	25♍15	19♎50	15°R30	27°R10	28♈33	6♌16	6°R14	S 1
M 2	23 14 30	16°44'12	6♓58	11°33	27° 3	4°24	27♏ 8	16°13	25°19	19°52	15♒29	27♈ 4	28°30	6°22	6♉12	M 2
T 3	23 18 27	17°42'52	21°50	12°47	27°35	5° 4	27° 6	16°18	25°23	19°54	15°28	26°59	28°27	6°29	6°10	T 3
W 4	23 22 24	18°41'33	6♈24	13°59	28° 5	5°43	27° 3	16°23	25°26	19°56	15°27	26°56	28°24	6°36	6° 9	W 4
T 5	23 26 20	19°40'17	20°36	15° 9	28°34	6°23	27° 1	16°28	25°30	19°58	15°26	26°D54	28°20	6°42	6° 7	T 5
F 6	23 30 17	20°39'03	4♉22	16°17	29° 1	7° 3	26°59	16°33	25°34	20° 0	15°25	26°55	28°17	6°49	6° 5	F 6
S 7	23 34 13	21°37'52	17°42	17°23	29°27	7°43	26°58	16°37	25°38	20° 2	15°24	26°56	28°14	6°56	6° 3	S 7
S 8	23 38 10	22°36'42	0♊36	18°27	29°51	8°23	26°56	16°42	25°41	20° 4	15°23	26°57	28°11	7° 3	6° 1	S 8
M 9	23 42 6	23°35'35	13° 9	19°29	0♏13	9° 3	26°55	16°47	25°45	20° 6	15°22	26°59	28° 8	7° 9	5°59	M 9
T 10	23 46 3	24°34'31	25°25	20°28	0°34	9°43	26°54	16°51	25°49	20° 8	15°21	26°R59	28° 5	7°16	5°57	T 10
W11	23 49 59	25°33'28	7♋28	21°24	0°53	10°23	26°53	16°56	25°53	20°10	15°20	26°58	28° 1	7°23	5°55	W11
T 12	23 53 56	26°32'28	19°24	22°18	1°10	11° 3	26°52	17° 0	25°57	20°12	15°19	26°56	27°58	7°30	5°53	T 12
F 13	23 57 53	27°31'31	1♌16	23° 9	1°25	11°43	26°51	17° 4	26° 0	20°14	15°18	26°53	27°55	7°36	5°51	F 13
S 14	0 1 49	28°30'35	13° 8	23°56	1°38	12°23	26°51	17° 8	26° 4	20°16	15°18	26°48	27°52	7°43	5°49	S 14
S 15	0 5 46	29°29'42	25° 4	24°39	1°49	13° 3	26°D51	17°12	26° 8	20°18	15°17	26°44	27°49	7°50	5°46	S 15
M16	0 9 42	0♎28'51	7♍ 7	25°18	1°57	13°44	26°51	17°16	26°12	20°21	15°16	26°39	27°45	7°56	5°44	M16
T 17	0 13 39	1°28'02	19°19	25°53	2° 4	14°24	26°51	17°20	26°16	20°23	15°15	26°35	27°42	8° 3	5°42	T 17
W18	0 17 35	2°27'15	1♎41	26°23	2° 8	15° 4	26°52	17°24	26°19	20°25	15°14	26°32	27°39	8°10	5°39	W18
T 19	0 21 32	3°26'30	14°13	26°48	2°R11	15°45	26°52	17°28	26°23	20°27	15°13	26°30	27°36	8°17	5°37	T 19
F 20	0 25 28	4°25'47	26°58	27° 7	2°10	16°25	26°53	17°31	26°27	20°29	15°13	26°D29	27°33	8°23	5°34	F 20
S 21	0 29 25	5°25'06	9♏54	27°20	2° 8	17° 6	26°54	17°35	26°31	20°31	15°12	26°30	27°30	8°30	5°32	S 21
S 22	0 33 22	6°24'28	23° 4	27°R26	2° 3	17°47	26°55	17°38	26°34	20°34	15°11	26°31	27°26	8°37	5°29	S 22
M23	0 37 18	7°23'51	6♐27	27°25	1°55	18°27	26°57	17°41	26°38	20°36	15°10	26°33	27°23	8°43	5°27	M23
T 24	0 41 15	8°23'16	20° 4	27°17	1°46	19° 8	26°58	17°44	26°42	20°38	15°10	26°34	27°20	8°50	5°24	T 24
W25	0 45 11	9°22'42	3♑56	27° 0	1°33	19°49	27° 0	17°48	26°46	20°40	15° 9	26°R35	27°17	8°57	5°22	W25
T 26	0 49 8	10°22'11	18° 1	26°35	1°19	20°29	27° 2	17°51	26°49	20°42	15° 8	26°34	27°14	9° 4	5°19	T 26
F 27	0 53 4	11°21'41	2♒19	26° 2	1° 2	21°10	27° 5	17°53	26°53	20°45	15° 8	26°34	27°11	9°10	5°16	F 27
S 28	0 57 1	12°21'13	16°46	25°20	0°42	21°51	27° 7	17°56	26°57	20°47	15° 7	26°32	27° 7	9°17	5°14	S 28
S 29	1 0 57	13°20'47	1♓19	24°30	0°21	22°32	27°10	17°59	27° 0	20°49	15° 7	26°31	27° 4	9°24	5°11	S 29
M30	1 4 54	14♎20'22	15♓52	23♎33	29♎57	23♎13	27♏12	18♋ 2	27♍ 4	20♎51	15♒ 6	26♈29	27♈ 1	9♌31	5♉ 8	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	5n38	18s39	4s41	5s36	1s38	15s 8	5s14	0s58	0n34	21s38	0s50	22n16	0s17	2n32	0n42	6s11	1n44	26s 8	10s23	10n30	11n 0	23n43	12n54	0s47
M 2	5 15	12 39	3 58	6 13	1 46	15 27	5 22	1 14	0 34	21 38	0 50	22 16	0 17	2 31	0 42	6 11	1 44	26 8	10 23	10 28	10 59	23 41	12 54	0 47
T 3	4 52	5 59	2 59	6 49	1 54	15 46	5 30	1 30	0 33	21 39	0 50	22 15	0 17	2 29	0 42	6 12	1 44	26 9	10 23	10 26	10 58	23 39	12 53	0 47
W 4	4 29	0n53	1 49	7 24	2 2	16 5	5 37	1 47	0 33	21 39	0 50	22 15	0 17	2 28	0 42	6 13	1 44	26 9	10 23	10 25	10 57	23 37	12 52	0 48
T 5	4 6	7 33	0 34	7 59	2 10	16 22	5 45	2 3	0 32	21 39	0 50	22 14	0 17	2 26	0 42	6 14	1 44	26 9	10 23	10 25	10 56	23 35	12 52	0 48
F 6	3 43	13 40	0n41	8 32	2 17	16 39	5 53	2 19	0 32	21 40	0 50	22 14	0 17	2 25	0 42	6 14	1 44	26 9	10 23	10 25	10 54	23 34	12 51	0 48
S 7	3 20	18 57	1 51	9 4	2 24	16 55	6 0	2 36	0 31	21 40	0 50	22 13	0 17	2 23	0 42	6 15	1 44	26 10	10 23	10 25	10 53	23 32	12 50	0 48
S 8	2 57	23 11	2 53	9 36	2 32	17 11	6 7	2 52	0 31	21 40	0 50	22 13	0 17	2 22	0 42	6 16	1 44	26 10	10 22	10 26	10 52	23 30	12 49	0 48
M 9	2 33	26 12	3 46	10 6	2 38	17 26	6 14	3 8	0 30	21 41	0 50	22 12	0 17	2 20	0 42	6 17	1 44	26 10	10 22	10 26	10 51	23 28	12 49	0 48
T 10	2 10	27 53	4 26	10 34	2 45	17 39	6 21	3 25	0 29	21 41	0 50	22 12	0 17	2 19	0 42	6 18	1 44	26 10	10 22	10 26	10 50	23 26	12 48	0 48
W11	1 46	28 13	4 55	11 2	2 52	17 53	6 28	3 41	0 29	21 41	0 50	22 11	0 16	2 17	0 42	6 18	1 44	26 10	10 22	10 26	10 49	23 24	12 47	0 48
T 12	1 23	27 14	5 10	11 27	2 58	18 5	6 35	3 57	0 28	21 41	0 50	22 11	0 16	2 16	0 42	6 19	1 44	26 11	10 22	10 25	10 48	23 22	12 46	0 49
F 13	0 59	25 1	5 11	11 52	3 3	18 16	6 42	4 13	0 28	21 41	0 50	22 10	0 16	2 14	0 42	6 20	1 44	26 11	10 22	10 24	10 46	23 20	12 45	0 49
S 14	0 36	21 43	5 0	12 14	3 8	18 27	6 48	4 30	0 27	21 41	0 50	22 10	0 16	2 13	0 42	6 21	1 44	26 11	10 22	10 22	10 45	23 18	12 45	0 49
S 15	0 12	17 32	4 35	12 35	3 13	18 36	6 54	4 46	0 27	21 41	0 50	22 9	0 16	2 11	0 42	6 22	1 44	26 11	10 22	10 21	10 44	23 16	12 44	0 49
M16	0s12	12 37	3 58	12 53	3 18	18 45	6 59	5 2	0 26	21 41	0 50	22 9	0 16	2 10	0 42	6 22	1 44	26 11	10 21	10 19	10 43	23 14	12 43	0 49
T 17	0 35	7 9	3 10	13 9	3 21	18 52	7 5	5 18	0 26	21 41	0 50	22 8	0 16	2 8	0 42	6 23	1 44	26 11	10 21	10 17	10 42	23 13	12 42	0 49
W18	0 59	1 21	2 12	13 23	3 24	18 58	7 10	5 35	0 25	21 41	0 50	22 8	0 16	2 7	0 42	6 24	1 44	26 11	10 21	10 16	10 41	23 11	12 41	0 49
T 19	1 22	4s36	1 7	13 34	3 26	19 4	7 15	5 51	0 24	21 41	0 50	22 8	0 16	2 5	0 42	6 25	1 44	26 12	10 21	10 16	10 40	23 9	12 40	0 49
F 20	1 46	10 28	0s 3	13 43	3 28	19 8	7 19	6 7	0 24	21 40	0 50	22 7	0 16	2 4	0 42	6 26	1 44	26 12	10 21	10 16	10 38	23 7	12 39	0 50
S 21	2 10	16 0	1 13	13 48	3 28	19 10	7 23	6 23	0 23	21 40	0 50	22 7	0 16	2 2	0 42	6 27	1 44	26 12	10 21	10 16	10 37	23 5	12 38	0 50
S 22	2 33	20 53	2 21	13 49	3 28	19 12	7 26	6 39	0 23	21 40	0 50	22 6	0 16	2 1	0 42	6 27	1 44	26 12	10 21	10 16	10 36	23 3	12 37	0 50
M23	2 57	24 48	3 23	13 47	3 26	19 12	7 29	6 55	0 22	21 40	0 50	22 6	0 16	1 59	0 42	6 28	1 44	26 12	10 20	10 17	10 35	23 1	12 36	0 50
T 24	3 20	27 23	4 14	13 41	3 23	19 11	7 32	7 11	0 22	21 39	0 50	22 6	0 16	1 58	0 42	6 29	1 44	26 12	10 20	10 17	10 34	22 59	12 35	0 50
W25	3 44	28 20	4 51	13 31	3 18	19 8	7 34	7 27	0 21	21 39	0 49	22 5	0 15	1 56	0 42	6 30	1 44	26 12	10 20	10 17	10 33	22 57	12 34	0 50
T 26	4 7	27 28	5 12	13 16	3 12	19 4	7 35	7 43	0 20	21 38	0 49	22 5	0 15	1 55	0 42	6 31	1 44	26 12	10 20	10 17	10 32	22 55	12 33	0 50
F 27	4 31	24 49	5 14	12 57	3 4	18 58	7 35	7 59	0 20	21 38	0 49	22 5	0 15	1 53	0 42	6 32	1 44	26 12	10 20	10 17	10 30	22 53	12 32	0 50
S 28	4 54	20 34	4 56	12 32	2 54	18 51	7 35	8 15	0 19	21 37	0 49	22 4	0 15	1 52	0 42	6 32	1 44	26 12	10 20	10 17	10 29	22 51	12 31	0 50
S 29	5 17	15 5	4 20	12 3	2 43	18 43	7 34	8 31	0 19	21 37	0 49	22 4	0 15	1 51	0 42	6 33	1 44	26 12	10 19	10 16	10 28	22 49	12 30	0 51
M30	5s41	8s45	3s26	11s29	2s29	18s33	7s33	8s47	0n18	21s36	0s49	22n 4	0s15	1n49	0n42	6s34	1n44	26s12	10s19	10n15	10n27	22n47	12n29	0s51

Julian Day Number = 2195030.5, Delta T = 10m28s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'42, Lahiri = 14°03'43 Julian Calendar 1 Sept. 1297 == Greg. Calendar 8 Sept. 1297

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

OCTOBER 1297 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 8 51	15♎20'00	0♈19	22°R29	29°R31	23♎54	27♑15	18♋ 4	27♍ 8	20♎53	15°R 5	26°R28	26♈58	9♌37	5°R 5	T 1
W 2	1 12 47	16°19'39	14°35	21♎19	29♎ 4	24°35	27°19	18° 6	27°11	20°56	15♒ 5	26♈27	26°55	9°44	5♉ 2	W 2
T 3	1 16 44	17°19'20	28°35	20° 6	28°34	25°16	27°22	18° 9	27°15	20°58	15° 4	26°D27	26°51	9°51	5° 0	T 3
F 4	1 20 40	18°19'04	12♉14	18°51	28° 3	25°58	27°25	18°11	27°18	21° 0	15° 4	26°27	26°48	9°57	4°57	F 4
S 5	1 24 37	19°18'49	25°32	17°36	27°30	26°39	27°29	18°13	27°22	21° 2	15° 4	26°28	26°45	10° 4	4°54	S 5
S 6	1 28 33	20°18'37	8♊28	16°24	26°56	27°20	27°33	18°15	27°26	21° 5	15° 3	26°28	26°42	10°11	4°51	S 6
M 7	1 32 30	21°18'27	21° 4	15°16	26°22	28° 1	27°37	18°17	27°29	21° 7	15° 3	26°29	26°39	10°18	4°48	M 7
T 8	1 36 26	22°18'20	3♋23	14°16	25°46	28°43	27°42	18°18	27°33	21° 9	15° 2	26°29	26°36	10°24	4°45	T 8
W 9	1 40 23	23°18'14	15°29	13°24	25°10	29°24	27°46	18°20	27°36	21°11	15° 2	26°30	26°32	10°31	4°42	W 9
T 10	1 44 20	24°18'11	27°26	12°42	24°33	0♏ 6	27°51	18°22	27°40	21°14	15° 2	26°R30	26°29	10°38	4°39	T 10
F 11	1 48 16	25°18'10	9♌18	12°11	23°57	0°47	27°55	18°23	27°43	21°16	15° 2	26°30	26°26	10°44	4°36	F 11
S 12	1 52 13	26°18'11	21°12	11°52	23°20	1°29	28° 0	18°24	27°47	21°18	15° 1	26°D30	26°23	10°51	4°33	S 12
S 13	1 56 9	27°18'14	3♍ 9	11°D44	22°44	2°10	28° 6	18°26	27°50	21°20	15° 1	26°30	26°20	10°58	4°30	S 13
M14	2 0 6	28°18'19	15°16	11°47	22° 9	2°52	28°11	18°27	27°54	21°23	15° 1	26°30	26°17	11° 5	4°27	M14
T 15	2 4 2	29°18'27	27°35	12° 2	21°35	3°34	28°17	18°28	27°57	21°25	15° 1	26°30	26°13	11°11	4°24	T 15
W16	2 7 59	0♏18'36	10♎ 8	12°26	21° 1	4°16	28°22	18°28	28° 0	21°27	15° 0	26°30	26°10	11°18	4°21	W16
T 17	2 11 55	1°18'47	22°58	13° 0	20°30	4°58	28°28	18°29	28° 4	21°29	15° 0	26°R30	26° 7	11°25	4°18	T 17
F 18	2 15 52	2°19'00	6♏ 3	13°43	19°59	5°39	28°34	18°30	28° 7	21°31	15° 0	26°30	26° 4	11°31	4°15	F 18
S 19	2 19 48	3°19'15	19°25	14°33	19°30	6°21	28°40	18°30	28°10	21°34	15° 0	26°30	26° 1	11°38	4°12	S 19
S 20	2 23 45	4°19'32	3♐ 0	15°29	19° 4	7° 3	28°47	18°31	28°13	21°36	15° 0	26°29	25°57	11°45	4° 9	S 20
M21	2 27 42	5°19'51	16°48	16°32	18°39	7°45	28°53	18°31	28°17	21°38	15°D 0	26°28	25°54	11°52	4° 6	M21
T 22	2 31 38	6°20'11	0♑46	17°40	18°16	8°28	29° 0	18°31	28°20	21°40	15° 0	26°27	25°51	11°58	4° 3	T 22
W23	2 35 35	7°20'33	14°51	18°53	17°55	9°10	29° 7	18°R31	28°23	21°42	15° 0	26°26	25°48	12° 5	4° 0	W23
T 24	2 39 31	8°20'56	29° 0	20° 9	17°37	9°52	29°14	18°31	28°26	21°45	15° 0	26°25	25°45	12°12	3°57	T 24
F 25	2 43 28	9°21'20	13♒12	21°29	17°21	10°34	29°21	18°31	28°29	21°47	15° 0	26°D25	25°42	12°18	3°54	F 25
S 26	2 47 24	10°21'46	27°23	22°51	17° 8	11°16	29°28	18°31	28°32	21°49	15° 0	26°26	25°38	12°25	3°51	S 26
S 27	2 51 21	11°22'13	11♓33	24°15	16°57	11°59	29°36	18°30	28°35	21°51	15° 1	26°27	25°35	12°32	3°48	S 27
M28	2 55 17	12°22'41	25°37	25°42	16°48	12°41	29°44	18°30	28°38	21°53	15° 1	26°28	25°32	12°39	3°45	M28
T 29	2 59 14	13°23'11	9♈35	27°10	16°42	13°24	29°51	18°29	28°41	21°55	15° 1	26°29	25°29	12°45	3°42	T 29
W30	3 3 11	14°23'42	23°24	28°39	16°38	14° 6	29°59	18°28	28°44	21°58	15° 1	26°R30	25°26	12°52	3°39	W30
T 31	3 7 7	15♏24'15	7♉ 0	0♏10	16°D37	14♏49	0♒ 7	18♋28	28♍47	22♎ 0	15♒ 1	26♈29	25♈22	12♌59	3♉36	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	6s 4	2s 0	2s20	10s51	2s14	18s21	7s31	9s 2	0n18	21s36	0s49	22n 4	0s15	1n48	0n42	6s35	1n44	26s12	10s19	10n15	10n26	22n45	12n28	0s51
W 2	6 27	4n46	1 5	10 10	1 57	18 8	7 27	9 18	0 17	21 35	0 49	22 3	0 15	1 46	0 42	6 36	1 44	26 12	10 19	10 15	10 25	22 43	12 27	0 51
T 3	6 50	11 12	0n12	9 25	1 39	17 54	7 23	9 34	0 16	21 34	0 49	22 3	0 15	1 45	0 42	6 37	1 44	26 12	10 19	10 15	10 24	22 41	12 26	0 51
F 4	7 13	16 56	1 26	8 38	1 20	17 38	7 18	9 49	0 16	21 33	0 49	22 3	0 15	1 43	0 42	6 37	1 44	26 12	10 18	10 15	10 22	22 39	12 25	0 51
S 5	7 35	21 43	2 34	7 51	0 59	17 20	7 13	10 5	0 15	21 33	0 49	22 3	0 15	1 42	0 42	6 38	1 44	26 12	10 18	10 15	10 21	22 36	12 24	0 51
S 6	7 58	25 18	3 32	7 4	0 39	17 2	7 6	10 20	0 15	21 32	0 49	22 2	0 15	1 41	0 42	6 39	1 44	26 12	10 18	10 15	10 20	22 34	12 23	0 51
M 7	8 21	27 32	4 19	6 19	0 18	16 42	6 59	10 36	0 14	21 31	0 49	22 2	0 15	1 39	0 42	6 40	1 44	26 12	10 18	10 15	10 19	22 32	12 22	0 51
T 8	8 43	28 21	4 52	5 37	0n 2	16 21	6 51	10 51	0 13	21 30	0 49	22 2	0 15	1 38	0 42	6 41	1 44	26 12	10 18	10 16	10 18	22 30	12 21	0 51
W 9	9 5	27 47	5 11	4 59	0 21	15 59	6 42	11 6	0 13	21 29	0 49	22 2	0 15	1 36	0 42	6 42	1 44	26 12	10 17	10 16	10 17	22 28	12 20	0 52
T 10	9 27	25 56	5 17	4 26	0 40	15 37	6 32	11 21	0 12	21 28	0 49	22 2	0 14	1 35	0 42	6 42	1 44	26 12	10 17	10 16	10 15	22 26	12 19	0 52
F 11	9 50	22 57	5 9	3 58	0 56	15 13	6 21	11 37	0 12	21 27	0 49	22 2	0 14	1 34	0 42	6 43	1 44	26 11	10 17	10 16	10 14	22 24	12 18	0 52
S 12	10 11	19 2	4 48	3 37	1 12	14 49	6 10	11 52	0 11	21 26	0 49	22 2	0 14	1 32	0 43	6 44	1 44	26 11	10 17	10 16	10 13	22 22	12 16	0 52
S 13	10 33	14 20	4 15	3 21	1 25	14 24	5 58	12 7	0 10	21 25	0 49	22 1	0 14	1 31	0 43	6 45	1 44	26 11	10 17	10 16	10 12	22 20	12 15	0 52
M14	10 55	9 2	3 29	3 12	1 37	14 0	5 46	12 22	0 10	21 24	0 48	22 1	0 14	1 30	0 43	6 46	1 44	26 11	10 16	10 16	10 11	22 18	12 14	0 52
T 15	11 16	3 19	2 34	3 8	1 47	13 34	5 32	12 36	0 9	21 23	0 48	22 1	0 14	1 28	0 43	6 47	1 44	26 11	10 16	10 16	10 10	22 16	12 13	0 52
W16	11 37	2s40	1 30	3 10	1 55	13 9	5 19	12 51	0 9	21 21	0 48	22 1	0 14	1 27	0 43	6 47	1 44	26 11	10 16	10 16	10 9	22 13	12 12	0 52
T 17	11 59	8 39	0 20	3 17	2 2	12 44	5 5	13 6	0 8	21 20	0 48	22 1	0 14	1 26	0 43	6 48	1 44	26 11	10 16	10 16	10 7	22 11	12 11	0 52
F 18	12 19	14 25	0s53	3 29	2 7	12 19	4 51	13 20	0 7	21 19	0 48	22 1	0 14	1 24	0 43	6 49	1 44	26 10	10 16	10 16	10 6	22 9	12 10	0 52
S 19	12 40	19 38	2 4	3 45	2 11	11 55	4 36	13 35	0 7	21 18	0 48	22 1	0 14	1 23	0 43	6 50	1 44	26 10	10 15	10 16	10 5	22 7	12 9	0 53
S 20	13 1	23 55	3 9	4 5	2 13	11 31	4 21	13 49	0 6	21 16	0 48	22 1	0 14	1 22	0 43	6 51	1 44	26 10	10 15	10 15	10 4	22 5	12 8	0 53
M21	13 21	26 55	4 4	4 28	2 14	11 7	4 6	14 4	0 6	21 15	0 48	22 1	0 14	1 20	0 43	6 51	1 44	26 10	10 15	10 15	10 3	22 3	12 6	0 53
T 22	13 41	28 17	4 45	4 53	2 14	10 45	3 51	14 18	0 5	21 13	0 48	22 1	0 14	1 19	0 43	6 52	1 44	26 10	10 15	10 15	10 2	22 1	12 5	0 53
W23	14 1	27 50	5 10	5 22	2 14	10 23	3 36	14 32	0 4	21 12	0 48	22 1	0 13	1 18	0 43	6 53	1 44	26 10	10 15	10 14	10 0	21 58	12 4	0 53
T 24	14 21	25 35	5 16	5 52	2 12	10 2	3 20	14 46	0 4	21 10	0 48	22 2	0 13	1 17	0 43	6 54	1 44	26 9	10 14	10 14	9 59	21 56	12 3	0 53
F 25	14 40	21 45	5 3	6 24	2 10	9 41	3 5	15 0	0 3	21 9	0 48	22 2	0 13	1 15	0 43	6 55	1 44	26 9	10 14	10 14	9 58	21 54	12 2	0 53
S 26	14 59	16 40	4 31	6 58	2 7	9 22	2 50	15 14	0 3	21 7	0 48	22 2	0 13	1 14	0 43	6 55	1 44	26 9	10 14	10 14	9 57	21 52	12 1	0 53
S 27	15 18	10 42	3 43	7 32	2 3	9 4	2 35	15 27	0 2	21 6	0 48	22 2	0 13	1 13	0 43	6 56	1 44	26 9	10 14	10 15	9 56	21 50	12 0	0 53
M28	15 37	4 14	2 42	8 8	1 59	8 47	2 21	15 41	0 1	21 4	0 48	22 2	0 13	1 12	0 43	6 57	1 44	26 8	10 14	10 15	9 55	21 47	11 59	0 53
T 29	15 55	2n24	1 32	8 44	1 54	8 32	2 6	15 54	0 1	21 2	0 48	22 2	0 13	1 11	0 43	6 58	1 44	26 8	10 13	10 15	9 53	21 45	11 58	0 53
W30	16 13	8 51	0 17	9 20	1 49	8 17	1 52	16 8	0 0	21 0	0 48	22 2	0 13	1 10	0 43	6 59	1 44	26 8	10 13	10 16	9 52	21 43	11 57	0 53
T 31	16s31	14n49	0n58	9s57	1n44	8s 4	1s38	16s21	0s 0	20s59	0s48	22n 3	0s13	1n 8	0n43	6s59	1n44	26s 8	10s13	10n15	9n51	21n41	11n55	0s54

Julian Day Number = 2195060.5, Delta T = 10m28s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'47, Lahiri = 14°03'47 Julian Calendar 1 Oct. 1297 == Greg. Calendar 8 Oct. 1297

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

NOVEMBER 1297 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	3 11 4	16♏24'49	20♉22	1♏41	16♎39	15♏31	0♒16	18°R27	28♍50	22♎ 2	15♒ 2	26°R28	25♈19	13♌ 6	3°R33	F 1
S 2	3 15 0	17°25'24	3♊29	3°13	16°42	16°14	0°24	18♋26	28°53	22° 4	15° 2	26♈26	25°16	13°12	3♉30	S 2
S 3	3 18 57	18°26'02	16°19	4°46	16°48	16°57	0°33	18°24	28°56	22° 6	15° 2	26°22	25°13	13°19	3°27	S 3
M 4	3 22 53	19°26'41	28°52	6°19	16°57	17°39	0°41	18°23	28°58	22° 8	15° 3	26°18	25°10	13°26	3°24	M 4
T 5	3 26 50	20°27'21	11♋11	7°53	17° 7	18°22	0°50	18°22	29° 1	22°10	15° 3	26°15	25° 7	13°32	3°21	T 5
W 6	3 30 47	21°28'04	23°17	9°26	17°20	19° 5	0°59	18°20	29° 4	22°12	15° 3	26°11	25° 3	13°39	3°18	W 6
T 7	3 34 43	22°28'47	5♌14	11° 0	17°35	19°48	1° 8	18°19	29° 6	22°14	15° 4	26° 9	25° 0	13°46	3°15	T 7
F 8	3 38 40	23°29'33	17° 7	12°34	17°52	20°31	1°17	18°17	29° 9	22°16	15° 4	26° 7	24°57	13°53	3°12	F 8
S 9	3 42 36	24°30'20	28°59	14° 8	18°11	21°14	1°26	18°15	29°12	22°18	15° 5	26°D 7	24°54	13°59	3°10	S 9
S 10	3 46 33	25°31'08	10♍56	15°42	18°32	21°57	1°36	18°13	29°14	22°20	15° 5	26° 8	24°51	14° 6	3° 7	S 10
M11	3 50 29	26°31'58	23° 2	17°17	18°55	22°40	1°45	18°11	29°17	22°22	15° 6	26°10	24°48	14°13	3° 4	M11
T 12	3 54 26	27°32'49	5♎23	18°51	19°20	23°23	1°55	18° 9	29°19	22°24	15° 6	26°12	24°44	14°19	3° 1	T 12
W13	3 58 22	28°33'42	18° 2	20°25	19°47	24° 6	2° 5	18° 7	29°21	22°26	15° 7	26°13	24°41	14°26	2°59	W13
T 14	4 2 19	29°34'36	1♏ 2	21°59	20°15	24°50	2°15	18° 4	29°24	22°28	15° 8	26°R13	24°38	14°33	2°56	T 14
F 15	4 6 15	0♐35'32	14°24	23°33	20°45	25°33	2°25	18° 2	29°26	22°29	15° 8	26°12	24°35	14°40	2°53	F 15
S 16	4 10 12	1°36'28	28° 8	25° 7	21°16	26°16	2°35	17°59	29°28	22°31	15° 9	26° 8	24°32	14°46	2°51	S 16
S 17	4 14 9	2°37'26	12♐12	26°41	21°49	27° 0	2°45	17°57	29°30	22°33	15°10	26° 4	24°28	14°53	2°48	S 17
M18	4 18 5	3°38'25	26°30	28°16	22°24	27°43	2°56	17°54	29°33	22°35	15°10	25°58	24°25	15° 0	2°46	M18
T 19	4 22 2	4°39'25	10♑57	29°50	23° 0	28°27	3° 6	17°51	29°35	22°37	15°11	25°51	24°22	15° 6	2°43	T 19
W20	4 25 58	5°40'26	25°27	1♑24	23°37	29°10	3°17	17°48	29°37	22°39	15°12	25°46	24°19	15°13	2°41	W20
T 21	4 29 55	6°41'27	9♒54	2°58	24°15	29°54	3°28	17°45	29°39	22°40	15°13	25°41	24°16	15°20	2°38	T 21
F 22	4 33 51	7°42'29	24°13	4°32	24°55	0♑37	3°39	17°42	29°41	22°42	15°13	25°38	24°13	15°27	2°36	F 22
S 23	4 37 48	8°43'31	8♓22	6° 6	25°36	1°21	3°50	17°39	29°43	22°44	15°14	25°D38	24° 9	15°33	2°34	S 23
S 24	4 41 45	9°44'33	22°19	7°40	26°18	2° 5	4° 1	17°35	29°45	22°45	15°15	25°38	24° 6	15°40	2°31	S 24
M25	4 45 41	10°45'37	6♈ 5	9°15	27° 1	2°49	4°12	17°32	29°46	22°47	15°16	25°39	24° 3	15°47	2°29	M25
T 26	4 49 38	11°46'40	19°38	10°49	27°45	3°32	4°23	17°29	29°48	22°49	15°17	25°R41	24° 0	15°53	2°27	T 26
W27	4 53 34	12°47'44	2♉59	12°23	28°31	4°16	4°34	17°25	29°50	22°50	15°18	25°40	23°57	16° 0	2°25	W27
T 28	4 57 31	13°48'49	16°10	13°58	29°17	5° 0	4°46	17°21	29°52	22°52	15°19	25°38	23°54	16° 7	2°23	T 28
F 29	5 1 27	14°49'54	29° 9	15°33	0♏ 4	5°44	4°57	17°18	29°53	22°53	15°20	25°34	23°50	16°14	2°21	F 29
S 30	5 5 24	15♐51'00	11♊58	17♐ 8	0♏52	6♐28	5♒ 9	17♋14	29♍55	22♎55	15♒21	25♈27	23♈47	16♌20	2♉19	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	16s49	19n58	2n 8	10s34	1n38	7s51	1s24	16s34	0s 1	20s57	0s48	22n 3	0s13	1n 7	0n43	7s 0	1n44	26s 7	10s13	10n15	9n50	21n39	11n54	0s54
S 2	17 6	24 2	3 10	11 12	1 32	7 40	1 10	16 47	0 2	20 55	0 48	22 3	0 13	1 6	0 43	7 1	1 44	26 7	10 12	10 14	9 49	21 36	11 53	0 54
S 3	17 23	26 49	4 1	11 49	1 26	7 31	0 57	17 0	0 2	20 53	0 48	22 3	0 13	1 5	0 43	7 2	1 44	26 7	10 12	10 13	9 48	21 34	11 52	0 54
M 4	17 40	28 10	4 39	12 26	1 20	7 22	0 45	17 13	0 3	20 51	0 47	22 4	0 13	1 4	0 43	7 2	1 44	26 6	10 12	10 12	9 46	21 32	11 51	0 54
T 5	17 56	28 5	5 3	13 2	1 13	7 15	0 32	17 25	0 3	20 49	0 47	22 4	0 12	1 3	0 43	7 3	1 44	26 6	10 12	10 10	9 45	21 30	11 50	0 54
W 6	18 12	26 39	5 13	13 39	1 6	7 8	0 20	17 37	0 4	20 47	0 47	22 4	0 12	1 2	0 43	7 4	1 44	26 6	10 12	10 9	9 44	21 27	11 49	0 54
T 7	18 28	24 2	5 10	14 14	1 0	7 3	0 8	17 50	0 5	20 45	0 47	22 4	0 12	1 1	0 43	7 4	1 44	26 5	10 11	10 8	9 43	21 25	11 48	0 54
F 8	18 43	20 25	4 53	14 50	0 53	6 59	0n 3	18 2	0 5	20 43	0 47	22 5	0 12	1 0	0 43	7 5	1 44	26 5	10 11	10 7	9 42	21 23	11 47	0 54
S 9	18 58	15 59	4 24	15 25	0 46	6 57	0 14	18 14	0 6	20 41	0 47	22 5	0 12	0 59	0 43	7 6	1 44	26 5	10 11	10 7	9 41	21 21	11 46	0 54
S 10	19 13	10 56	3 43	15 59	0 39	6 55	0 25	18 26	0 6	20 39	0 47	22 5	0 12	0 58	0 43	7 7	1 45	26 4	10 11	10 8	9 39	21 18	11 45	0 54
M11	19 27	5 24	2 52	16 33	0 32	6 54	0 35	18 37	0 7	20 37	0 47	22 6	0 12	0 57	0 43	7 7	1 45	26 4	10 11	10 8	9 38	21 16	11 44	0 54
T 12	19 41	0s27	1 51	17 5	0 25	6 54	0 45	18 49	0 8	20 35	0 47	22 6	0 12	0 56	0 43	7 8	1 45	26 4	10 10	10 9	9 37	21 14	11 43	0 54
W13	19 55	6 25	0 45	17 38	0 18	6 56	0 54	19 0	0 8	20 32	0 47	22 6	0 12	0 55	0 43	7 9	1 45	26 3	10 10	10 9	9 36	21 12	11 42	0 54
T 14	20 8	12 17	0s26	18 9	0 11	6 58	1 4	19 12	0 9	20 30	0 47	22 7	0 12	0 54	0 43	7 9	1 45	26 3	10 10	10 10	9 35	21 9	11 41	0 55
F 15	20 21	17 46	1 38	18 40	0 5	7 1	1 12	19 23	0 10	20 28	0 47	22 7	0 12	0 53	0 43	7 10	1 45	26 2	10 10	10 9	9 34	21 7	11 40	0 55
S 16	20 34	22 30	2 45	19 9	0s 2	7 5	1 21	19 34	0 10	20 25	0 47	22 8	0 11	0 52	0 43	7 11	1 45	26 2	10 10	10 8	9 32	21 5	11 39	0 55
S 17	20 46	26 2	3 44	19 38	0 9	7 10	1 29	19 44	0 11	20 23	0 47	22 8	0 11	0 52	0 43	7 11	1 45	26 2	10 9	10 6	9 31	21 2	11 38	0 55
M18	20 58	27 59	4 30	20 6	0 16	7 15	1 37	19 55	0 11	20 20	0 47	22 9	0 11	0 51	0 43	7 12	1 45	26 1	10 9	10 4	9 30	21 0	11 37	0 55
T 19	21 9	28 3	4 59	20 33	0 22	7 22	1 44	20 5	0 12	20 18	0 47	22 9	0 11	0 50	0 43	7 13	1 45	26 1	10 9	10 2	9 29	20 58	11 36	0 55
W20	21 20	26 12	5 9	20 59	0 29	7 29	1 51	20 15	0 13	20 16	0 47	22 10	0 11	0 49	0 44	7 13	1 45	26 0	10 9	10 0	9 28	20 55	11 35	0 55
T 21	21 31	22 39	5 0	21 24	0 35	7 37	1 58	20 25	0 13	20 13	0 47	22 10	0 11	0 48	0 44	7 14	1 45	26 0	10 9	9 58	9 27	20 53	11 35	0 55
F 22	21 41	17 46	4 32	21 49	0 41	7 45	2 5	20 35	0 14	20 10	0 47	22 11	0 11	0 48	0 44	7 14	1 45	26 0	10 8	9 57	9 25	20 51	11 34	0 55
S 23	21 51	11 59	3 48	22 12	0 48	7 54	2 11	20 45	0 15	20 8	0 47	22 11	0 11	0 47	0 44	7 15	1 45	25 59	10 8	9 57	9 24	20 48	11 33	0 55
S 24	22 0	5 40	2 50	22 33	0 54	8 4	2 17	20 54	0 15	20 5	0 47	22 12	0 11	0 46	0 44	7 16	1 45	25 59	10 8	9 57	9 23	20 46	11 32	0 55
M25	22 9	0n50	1 44	22 54	1 0	8 14	2 22	21 4	0 16	20 2	0 47	22 12	0 11	0 45	0 44	7 16	1 45	25 58	10 8	9 57	9 22	20 44	11 31	0 55
T 26	22 17	7 12	0 33	23 14	1 5	8 25	2 28	21 13	0 16	20 0	0 47	22 13	0 11	0 45	0 44	7 17	1 45	25 58	10 8	9 58	9 21	20 41	11 30	0 55
W27	22 25	13 10	0n39	23 32	1 11	8 36	2 33	21 22	0 17	19 57	0 47	22 13	0 10	0 44	0 44	7 17	1 45	25 57	10 7	9 58	9 20	20 39	11 30	0 55
T 28	22 33	18 28	1 48	23 50	1 16	8 48	2 38	21 30	0 18	19 54	0 47	22 14	0 10	0 44	0 44	7 18	1 45	25 57	10 7	9 57	9 18	20 37	11 29	0 55
F 29	22 40	22 49	2 50	24 6	1 21	9 1	2 42	21 39	0 18	19 51	0 47	22 14	0 10	0 43	0 44	7 18	1 45	25 56	10 7	9 55	9 17	20 34	11 28	0 55
S 30	22s47	25n59	3n42	24s20	1s26	9s13	2n46	21s47	0s19	19s49	0s47	22n15	0s10	0n42	0n44	7s19	1n45	25s56	10s 7	9n53	9n16	20n32	11n27	0s55

Julian Day Number = 2195091.5, Delta T = 10m27s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'51, Lahiri = 14°03'51 Julian Calendar 1 Nov. 1297 == Greg. Calendar 8 Nov. 1297

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ASTRODIENST EPHEMERIS for the year 1297
geocentric

DECEMBER 1297 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	5 9 20	16♐52'07	24♊34	18♐43	1♏41	7♐12	5♒21	17°R10	29♍56	22♎56	15♒22	25°R18	23♈44	16♌27	2°R17	S 1
M 2	5 13 17	17°53'14	6♋59	20°18	2°31	7°56	5°33	17♋ 6	29°58	22°58	15°23	25♈ 8	23°41	16°34	2♉15	M 2
T 3	5 17 14	18°54'21	19°12	21°53	3°22	8°40	5°45	17° 2	29°59	22°59	15°24	24°57	23°38	16°40	2°13	T 3
W 4	5 21 10	19°55'30	1♌16	23°29	4°14	9°25	5°57	16°58	0♎ 0	23° 1	15°25	24°47	23°34	16°47	2°11	W 4
T 5	5 25 7	20°56'38	13°11	25° 4	5° 6	10° 9	6° 9	16°54	0° 2	23° 2	15°26	24°39	23°31	16°54	2° 9	T 5
F 6	5 29 3	21°57'48	25° 2	26°40	5°59	10°53	6°21	16°50	0° 3	23° 4	15°27	24°32	23°28	17° 1	2° 8	F 6
S 7	5 33 0	22°58'57	6♍53	28°17	6°52	11°37	6°33	16°45	0° 4	23° 5	15°28	24°28	23°25	17° 7	2° 6	S 7
S 8	5 36 56	24° 0'08	18°47	29°53	7°47	12°22	6°45	16°41	0° 5	23° 6	15°29	24°27	23°22	17°14	2° 4	S 8
M 9	5 40 53	25° 1'19	0♎50	1♑30	8°42	13° 6	6°58	16°37	0° 6	23° 8	15°31	24°D27	23°19	17°21	2° 3	M 9
T 10	5 44 49	26° 2'30	13° 7	3° 7	9°38	13°51	7°10	16°32	0° 7	23° 9	15°32	24°27	23°15	17°27	2° 1	T 10
W11	5 48 46	27° 3'42	25°44	4°44	10°34	14°35	7°23	16°28	0° 8	23°10	15°33	24°R28	23°12	17°34	2° 0	W11
T 12	5 52 43	28° 4'54	8♏45	6°21	11°31	15°20	7°35	16°23	0° 9	23°11	15°34	24°27	23° 9	17°41	1°59	T 12
F 13	5 56 39	29° 6'07	22°12	7°58	12°28	16° 4	7°48	16°19	0°10	23°12	15°36	24°24	23° 6	17°48	1°57	F 13
S 14	6 0 36	0♑ 7'20	6♐ 8	9°36	13°26	16°49	8° 1	16°14	0°11	23°14	15°37	24°18	23° 3	17°54	1°56	S 14
S 15	6 4 32	1° 8'33	20°29	11°14	14°24	17°34	8°14	16° 9	0°12	23°15	15°38	24° 9	23° 0	18° 1	1°55	S 15
M16	6 8 29	2° 9'47	5♑11	12°51	15°23	18°19	8°27	16° 5	0°12	23°16	15°40	23°59	22°56	18° 8	1°54	M16
T 17	6 12 25	3°11'00	20° 6	14°29	16°23	19° 3	8°40	16° 0	0°13	23°17	15°41	23°48	22°53	18°14	1°53	T 17
W18	6 16 22	4°12'13	5♒ 4	16° 7	17°22	19°48	8°53	15°55	0°14	23°18	15°42	23°37	22°50	18°21	1°51	W18
T 19	6 20 19	5°13'26	19°56	17°44	18°23	20°33	9° 6	15°50	0°14	23°19	15°44	23°29	22°47	18°28	1°51	T 19
F 20	6 24 15	6°14'38	4♓36	19°22	19°23	21°18	9°19	15°45	0°15	23°20	15°45	23°22	22°44	18°35	1°50	F 20
S 21	6 28 12	7°15'50	18°56	20°58	20°24	22° 3	9°32	15°41	0°15	23°21	15°46	23°19	22°40	18°41	1°49	S 21
S 22	6 32 8	8°17'01	2♈57	22°35	21°26	22°48	9°46	15°36	0°15	23°22	15°48	23°D18	22°37	18°48	1°48	S 22
M23	6 36 5	9°18'11	16°36	24°10	22°28	23°33	9°59	15°31	0°16	23°22	15°49	23°R18	22°34	18°55	1°47	M23
T 24	6 40 1	10°19'21	29°58	25°44	23°30	24°18	10°12	15°26	0°16	23°23	15°51	23°18	22°31	19° 1	1°47	T 24
W25	6 43 58	11°20'31	13♉ 3	27°18	24°32	25° 3	10°26	15°21	0°16	23°24	15°52	23°16	22°28	19° 8	1°46	W25
T 26	6 47 54	12°21'39	25°54	28°49	25°35	25°48	10°39	15°16	0°16	23°25	15°54	23°12	22°25	19°15	1°45	T 26
F 27	6 51 51	13°22'48	8♊33	0♒19	26°38	26°33	10°53	15°11	0°16	23°26	15°55	23° 6	22°21	19°21	1°45	F 27
S 28	6 55 48	14°23'55	21° 3	1°46	27°42	27°19	11° 6	15° 6	0°R16	23°26	15°57	22°56	22°18	19°28	1°45	S 28
S 29	6 59 44	15°25'02	3♋23	3°11	28°46	28° 4	11°20	15° 1	0°16	23°27	15°58	22°43	22°15	19°35	1°44	S 29
M30	7 3 41	16°26'09	15°36	4°32	29°50	28°49	11°34	14°56	0°16	23°28	16° 0	22°29	22°12	19°42	1°44	M30
T 31	7 7 37	17♑27'14	27♋41	5♒49	0♐54	29♐35	11♒48	14♋51	0♎16	23♎28	16♒ 1	22♈14	22♈ 9	19♌48	1♉44	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22s53	27n48	4n23	24s34	1s31	9s27	2n50	21s55	0s19	19s46	0s47	22n16	0s10	0n42	0n44	7s19	1n45	25s55	10s 7	9n49	9n15	20n29	11n27	0s55
M 2	22 59	28 10	4 50	24 46	1 36	9 40	2 54	22 3	0 20	19 43	0 47	22 16	0 10	0 41	0 44	7 20	1 45	25 55	10 7	9 46	9 14	20 27	11 26	0 55
T 3	23 4	27 9	5 3	24 57	1 40	9 54	2 58	22 11	0 21	19 40	0 47	22 17	0 10	0 41	0 44	7 20	1 46	25 54	10 6	9 42	9 13	20 25	11 25	0 56
W 4	23 9	24 53	5 3	25 6	1 44	10 9	3 1	22 18	0 21	19 37	0 47	22 17	0 10	0 40	0 44	7 21	1 46	25 54	10 6	9 38	9 11	20 22	11 25	0 56
T 5	23 13	21 32	4 49	25 14	1 48	10 23	3 4	22 25	0 22	19 34	0 47	22 18	0 10	0 40	0 44	7 21	1 46	25 53	10 6	9 35	9 10	20 20	11 24	0 56
F 6	23 17	17 21	4 23	25 21	1 52	10 38	3 6	22 32	0 23	19 31	0 47	22 19	0 10	0 39	0 44	7 22	1 46	25 53	10 6	9 33	9 9	20 17	11 23	0 56
S 7	23 21	12 31	3 46	25 26	1 55	10 53	3 9	22 39	0 23	19 28	0 47	22 19	0 9	0 39	0 44	7 22	1 46	25 52	10 6	9 31	9 8	20 15	11 23	0 56
S 8	23 24	7 12	2 59	25 30	1 58	11 8	3 11	22 46	0 24	19 24	0 47	22 20	0 9	0 38	0 44	7 23	1 46	25 52	10 6	9 31	9 7	20 13	11 22	0 56
M 9	23 26	1 33	2 3	25 32	2 0	11 24	3 13	22 52	0 24	19 21	0 47	22 21	0 9	0 38	0 44	7 23	1 46	25 51	10 5	9 31	9 5	20 10	11 22	0 56
T 10	23 28	4s17	1 0	25 33	2 3	11 40	3 15	22 58	0 25	19 18	0 47	22 21	0 9	0 38	0 44	7 23	1 46	25 51	10 5	9 31	9 4	20 8	11 21	0 56
W11	23 30	10 5	0s 7	25 32	2 5	11 56	3 17	23 4	0 26	19 15	0 47	22 22	0 9	0 37	0 44	7 24	1 46	25 50	10 5	9 31	9 3	20 5	11 20	0 56
T 12	23 31	15 40	1 15	25 29	2 6	12 12	3 18	23 9	0 26	19 12	0 47	22 22	0 9	0 37	0 44	7 24	1 46	25 50	10 5	9 31	9 2	20 3	11 20	0 56
F 13	23 32	20 41	2 22	25 25	2 8	12 28	3 20	23 15	0 27	19 8	0 47	22 23	0 9	0 37	0 44	7 25	1 46	25 49	10 5	9 29	9 1	20 0	11 19	0 56
S 14	23 32	24 44	3 22	25 19	2 8	12 44	3 21	23 20	0 28	19 5	0 47	22 24	0 9	0 36	0 44	7 25	1 46	25 49	10 5	9 27	9 0	19 58	11 19	0 56
S 15	23 32	27 22	4 12	25 12	2 9	13 1	3 22	23 25	0 28	19 2	0 47	22 24	0 9	0 36	0 44	7 25	1 46	25 48	10 5	9 24	8 58	19 55	11 19	0 56
M16	23 31	28 11	4 46	25 3	2 9	13 17	3 22	23 30	0 29	18 58	0 47	22 25	0 9	0 36	0 44	7 26	1 46	25 48	10 5	9 20	8 57	19 53	11 18	0 56
T 17	23 30	26 59	5 1	24 52	2 8	13 33	3 23	23 34	0 29	18 55	0 47	22 26	0 8	0 36	0 45	7 26	1 46	25 47	10 4	9 16	8 56	19 50	11 18	0 56
W18	23 28	23 51	4 56	24 39	2 7	13 50	3 23	23 38	0 30	18 51	0 47	22 26	0 8	0 35	0 45	7 26	1 46	25 47	10 4	9 12	8 55	19 48	11 17	0 56
T 19	23 26	19 10	4 30	24 25	2 5	14 6	3 24	23 42	0 31	18 48	0 47	22 27	0 8	0 35	0 45	7 27	1 46	25 46	10 4	9 9	8 54	19 45	11 17	0 56
F 20	23 23	13 23	3 48	24 10	2 3	14 23	3 24	23 46	0 31	18 44	0 47	22 28	0 8	0 35	0 45	7 27	1 46	25 46	10 4	9 7	8 52	19 43	11 17	0 56
S 21	23 20	7 1	2 51	23 52	2 0	14 39	3 23	23 49	0 32	18 41	0 47	22 29	0 8	0 35	0 45	7 27	1 47	25 45	10 4	9 6	8 51	19 40	11 16	0 56
S 22	23 16	0 26	1 46	23 33	1 57	14 55	3 23	23 53	0 32	18 37	0 47	22 29	0 8	0 35	0 45	7 28	1 47	25 44	10 4	9 5	8 50	19 38	11 16	0 56
M23	23 12	6n 1	0 35	23 13	1 53	15 11	3 23	23 55	0 33	18 34	0 47	22 30	0 8	0 35	0 45	7 28	1 47	25 44	10 4	9 5	8 49	19 35	11 16	0 56
T 24	23 8	12 3	0n35	22 51	1 48	15 27	3 22	23 58	0 34	18 30	0 47	22 31	0 8	0 35	0 45	7 28	1 47	25 43	10 4	9 5	8 48	19 33	11 15	0 56
W25	23 3	17 26	1 42	22 27	1 42	15 43	3 21	24 1	0 34	18 27	0 47	22 31	0 8	0 35	0 45	7 28	1 47	25 43	10 4	9 5	8 47	19 30	11 15	0 56
T 26	22 57	21 57	2 43	22 3	1 36	15 59	3 21	24 3	0 35	18 23	0 47	22 32	0 7	0 35	0 45	7 28	1 47	25 42	10 3	9 3	8 45	19 28	11 15	0 56
F 27	22 51	25 21	3 35	21 36	1 29	16 15	3 20	24 5	0 35	18 19	0 47	22 33	0 7	0 35	0 45	7 29	1 47	25 42	10 3	9 1	8 44	19 25	11 15	0 56
S 28	22 45	27 28	4 15	21 9	1 21	16 30	3 18	24 6	0 36	18 15	0 47	22 33	0 7	0 35	0 45	7 29	1 47	25 41	10 3	8 57	8 43	19 23	11 15	0 56
S 29	22 38	28 12	4 43	20 41	1 12	16 45	3 17	24 8	0 37	18 12	0 47	22 34	0 7	0 35	0 45	7 29	1 47	25 41	10 3	8 52	8 42	19 20	11 14	0 56
M30	22 31	27 32	4 57	20 12	1 2	17 0	3 16	24 9	0 37	18 8	0 47	22 35	0 7	0 35	0 45	7 29	1 47	25 40	10 3	8 47	8 41	19 18	11 14	0 56
T 31	22s23	25n34	4n58	19s43	0s51	17s15	3n14	24s10	0s38	18s 4	0s47	22n35	0s 7	0n35	0n45	7s29	1n47	25s39	10s 3	8n41	8n39	19n15	11n14	0s57

Julian Day Number = 2195121.5, Delta T = 10m27s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'07, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'55, Lahiri = 14°03'55 Julian Calendar 1 Dec. 1297 == Greg. Calendar 8 Dec. 1297

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

JANUARY 1298 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	7 11 34	18♉28'20	9♌39	7♒ 2	1♐59	0♉20	12♒ 1	14°R46	0°R16	23♎29	16♒ 3	21°R59	22♈ 6	19♌55	1°R43	W 1
T 2	7 15 30	19°29'24	21°32	8° 9	3° 4	1° 5	12°15	14♋41	0♎16	23°29	16° 5	21♈47	22° 2	20° 2	1♉43	T 2
F 3	7 19 27	20°30'28	3♍22	9°10	4° 9	1°51	12°29	14°36	0°15	23°30	16° 6	21°37	21°59	20° 8	1°D43	F 3
S 4	7 23 23	21°31'32	15°11	10° 4	5°15	2°36	12°43	14°31	0°15	23°30	16° 8	21°30	21°56	20°15	1°43	S 4
S 5	7 27 20	22°32'34	27° 4	10°50	6°21	3°22	12°57	14°27	0°15	23°31	16° 9	21°26	21°53	20°22	1°43	S 5
M 6	7 31 17	23°33'37	9♎ 5	11°27	7°27	4° 7	13°11	14°22	0°14	23°31	16°11	21°24	21°50	20°29	1°44	M 6
T 7	7 35 13	24°34'38	21°18	11°55	8°33	4°53	13°25	14°17	0°13	23°31	16°13	21°24	21°46	20°35	1°44	T 7
W 8	7 39 10	25°35'40	3♏50	12°13	9°39	5°39	13°39	14°12	0°13	23°32	16°14	21°24	21°43	20°42	1°44	W 8
T 9	7 43 6	26°36'40	16°44	12°R20	10°46	6°24	13°53	14° 7	0°12	23°32	16°16	21°23	21°40	20°49	1°44	T 9
F 10	7 47 3	27°37'40	0♐ 7	12°15	11°53	7°10	14° 7	14° 2	0°12	23°32	16°17	21°20	21°37	20°55	1°45	F 10
S 11	7 50 59	28°38'40	14° 0	12° 0	13° 0	7°56	14°21	13°58	0°11	23°32	16°19	21°14	21°34	21° 2	1°45	S 11
S 12	7 54 56	29°39'38	28°22	11°33	14° 7	8°42	14°35	13°53	0°10	23°33	16°21	21° 5	21°31	21° 9	1°46	S 12
M13	7 58 53	0♒40'36	13♉11	10°55	15°15	9°27	14°50	13°48	0° 9	23°33	16°22	20°54	21°27	21°15	1°46	M13
T 14	8 2 49	1°41'33	28°19	10° 8	16°22	10°13	15° 4	13°44	0° 8	23°33	16°24	20°43	21°24	21°22	1°47	T 14
W15	8 6 46	2°42'28	13♒36	9°11	17°30	10°59	15°18	13°39	0° 7	23°33	16°26	20°31	21°21	21°29	1°48	W15
T 16	8 10 42	3°43'23	28°49	8° 8	18°38	11°45	15°32	13°35	0° 6	23°33	16°28	20°22	21°18	21°36	1°49	T 16
F 17	8 14 39	4°44'15	13♓50	7° 0	19°46	12°31	15°47	13°30	0° 5	23°R33	16°29	20°15	21°15	21°42	1°49	F 17
S 18	8 18 35	5°45'07	28°29	5°48	20°54	13°17	16° 1	13°26	0° 4	23°33	16°31	20°11	21°12	21°49	1°50	S 18
S 19	8 22 32	6°45'57	12♈43	4°36	22° 3	14° 3	16°15	13°21	0° 3	23°33	16°33	20° 9	21° 8	21°56	1°51	S 19
M20	8 26 28	7°46'45	26°31	3°24	23°11	14°49	16°30	13°17	0° 2	23°33	16°34	20°D 9	21° 5	22° 2	1°52	M20
T 21	8 30 25	8°47'32	9♉54	2°15	24°20	15°35	16°44	13°13	0° 0	23°33	16°36	20°R 9	21° 2	22° 9	1°53	T 21
W22	8 34 22	9°48'18	22°56	1°10	25°28	16°21	16°58	13° 9	29♍59	23°33	16°38	20° 9	20°59	22°16	1°54	W22
T 23	8 38 18	10°49'01	5♊39	0°11	26°37	17° 7	17°13	13° 5	29°58	23°32	16°40	20° 6	20°56	22°23	1°56	T 23
F 24	8 42 15	11°49'43	18° 7	29♉19	27°46	17°53	17°27	13° 1	29°56	23°32	16°41	20° 0	20°52	22°29	1°57	F 24
S 25	8 46 11	12°50'24	0♋24	28°34	28°56	18°39	17°41	12°57	29°55	23°32	16°43	19°52	20°49	22°36	1°58	S 25
S 26	8 50 8	13°51'03	12°32	27°56	0♉ 5	19°26	17°56	12°53	29°53	23°32	16°45	19°41	20°46	22°43	2° 0	S 26
M27	8 54 4	14°51'40	24°34	27°27	1°14	20°12	18°10	12°49	29°52	23°31	16°46	19°29	20°43	22°49	2° 1	M27
T 28	8 58 1	15°52'15	6♌31	27° 6	2°24	20°58	18°25	12°45	29°50	23°31	16°48	19°16	20°40	22°56	2° 3	T 28
W29	9 1 57	16°52'49	18°24	26°52	3°33	21°44	18°39	12°42	29°49	23°31	16°50	19° 4	20°37	23° 3	2° 4	W29
T 30	9 5 54	17°53'22	0♍15	26°D46	4°43	22°30	18°54	12°38	29°47	23°30	16°52	18°53	20°33	23° 9	2° 6	T 30
F 31	9 9 51	18♒53'53	12♍ 5	26♉47	5♉53	23♉17	19♒ 8	12♋34	29♍45	23♎30	16♒53	18♈45	20♈30	23♌16	2♉ 7	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s15	22n29	4n45	19s13	0s39	17s30	3n12	24s10	0s38	18s 0	0s47	22n36	0s 7	0n35	0n45	7s30	1n47	25s39	10s 3	8n36	8n38	19n13	11n14	0s57
T 2	22 7	18 29	4 21	18 44	0 26	17 44	3 11	24 11	0 39	17 56	0 47	22 37	0 7	0 35	0 45	7 30	1 47	25 38	10 3	8 31	8 37	19 10	11 14	0 57
F 3	21 58	13 48	3 44	18 14	0 13	17 58	3 9	24 11	0 40	17 52	0 47	22 37	0 7	0 35	0 45	7 30	1 47	25 38	10 3	8 27	8 36	19 8	11 14	0 57
S 4	21 48	8 36	2 59	17 46	0n 2	18 12	3 7	24 11	0 40	17 49	0 47	22 38	0 6	0 35	0 45	7 30	1 47	25 37	10 3	8 25	8 35	19 5	11 14	0 57
S 5	21 38	3 5	2 5	17 18	0 18	18 25	3 5	24 10	0 41	17 45	0 47	22 38	0 6	0 36	0 45	7 30	1 47	25 37	10 3	8 23	8 33	19 2	11 14	0 57
M 6	21 28	2s37	1 5	16 52	0 34	18 38	3 2	24 9	0 41	17 41	0 47	22 39	0 6	0 36	0 45	7 30	1 48	25 36	10 3	8 23	8 32	19 0	11 14	0 57
T 7	21 17	8 20	0 1	16 28	0 51	18 51	3 0	24 8	0 42	17 37	0 47	22 40	0 6	0 36	0 45	7 30	1 48	25 36	10 3	8 23	8 31	18 57	11 14	0 57
W 8	21 6	13 52	1s 5	16 6	1 8	19 3	2 58	24 7	0 43	17 33	0 47	22 40	0 6	0 36	0 45	7 30	1 48	25 35	10 3	8 23	8 30	18 55	11 14	0 57
T 9	20 55	18 58	2 10	15 47	1 26	19 15	2 55	24 6	0 43	17 29	0 47	22 41	0 6	0 37	0 45	7 30	1 48	25 34	10 3	8 22	8 29	18 52	11 14	0 57
F 10	20 43	23 20	3 9	15 31	1 44	19 27	2 53	24 4	0 44	17 25	0 47	22 42	0 6	0 37	0 45	7 30	1 48	25 34	10 3	8 21	8 27	18 50	11 14	0 57
S 11	20 31	26 32	4 0	15 18	2 2	19 38	2 50	24 2	0 44	17 20	0 47	22 42	0 6	0 37	0 45	7 30	1 48	25 33	10 2	8 19	8 26	18 47	11 15	0 57
S 12	20 18	28 9	4 37	15 9	2 19	19 49	2 47	24 0	0 45	17 16	0 47	22 43	0 6	0 38	0 45	7 30	1 48	25 33	10 2	8 15	8 25	18 44	11 15	0 57
M13	20 5	27 49	4 58	15 4	2 36	19 59	2 44	23 57	0 45	17 12	0 47	22 43	0 5	0 38	0 46	7 30	1 48	25 32	10 2	8 11	8 24	18 42	11 15	0 57
T 14	19 52	25 26	4 58	15 2	2 51	20 9	2 41	23 54	0 46	17 8	0 47	22 44	0 5	0 38	0 46	7 30	1 48	25 32	10 2	8 7	8 23	18 39	11 15	0 57
W15	19 38	21 13	4 37	15 3	3 5	20 19	2 38	23 51	0 47	17 4	0 47	22 45	0 5	0 39	0 46	7 30	1 48	25 31	10 2	8 3	8 22	18 36	11 15	0 57
T 16	19 24	15 37	3 56	15 8	3 17	20 28	2 35	23 48	0 47	17 0	0 47	22 45	0 5	0 39	0 46	7 30	1 48	25 31	10 2	7 59	8 20	18 34	11 16	0 57
F 17	19 9	9 9	2 59	15 16	3 27	20 36	2 32	23 44	0 48	16 55	0 47	22 46	0 5	0 40	0 46	7 30	1 48	25 30	10 2	7 57	8 19	18 31	11 16	0 57
S 18	18 54	2 19	1 52	15 26	3 34	20 44	2 29	23 40	0 48	16 51	0 47	22 46	0 5	0 40	0 46	7 30	1 48	25 30	10 2	7 55	8 18	18 29	11 16	0 57
S 19	18 39	4n27	0 39	15 39	3 39	20 52	2 26	23 36	0 49	16 47	0 48	22 47	0 5	0 41	0 46	7 30	1 48	25 29	10 2	7 54	8 17	18 26	11 16	0 57
M20	18 24	10 48	0n34	15 53	3 42	20 59	2 23	23 31	0 49	16 43	0 48	22 47	0 5	0 41	0 46	7 30	1 48	25 28	10 2	7 54	8 16	18 23	11 17	0 57
T 21	18 8	16 28	1 43	16 8	3 42	21 6	2 19	23 27	0 50	16 38	0 48	22 48	0 5	0 42	0 46	7 30	1 49	25 28	10 2	7 54	8 14	18 21	11 17	0 57
W22	17 52	21 14	2 45	16 24	3 40	21 12	2 16	23 22	0 50	16 34	0 48	22 48	0 4	0 42	0 46	7 30	1 49	25 27	10 2	7 54	8 13	18 18	11 17	0 57
T 23	17 35	24 53	3 37	16 41	3 36	21 17	2 12	23 16	0 51	16 30	0 48	22 49	0 4	0 43	0 46	7 30	1 49	25 27	10 2	7 53	8 12	18 15	11 18	0 57
F 24	17 18	27 16	4 17	16 57	3 30	21 22	2 9	23 11	0 52	16 25	0 48	22 49	0 4	0 44	0 46	7 29	1 49	25 26	10 3	7 51	8 11	18 13	11 18	0 57
S 25	17 1	28 17	4 45	17 14	3 22	21 27	2 5	23 5	0 52	16 21	0 48	22 50	0 4	0 44	0 46	7 29	1 49	25 26	10 3	7 48	8 10	18 10	11 19	0 57
S 26	16 44	27 55	5 0	17 30	3 13	21 30	2 2	22 59	0 53	16 17	0 48	22 50	0 4	0 45	0 46	7 29	1 49	25 25	10 3	7 44	8 8	18 7	11 19	0 57
M27	16 26	26 13	5 1	17 45	3 4	21 34	1 58	22 53	0 53	16 12	0 48	22 51	0 4	0 45	0 46	7 29	1 49	25 25	10 3	7 39	8 7	18 5	11 20	0 57
T 28	16 8	23 22	4 49	18 0	2 53	21 36	1 54	22 46	0 54	16 8	0 48	22 51	0 4	0 46	0 46	7 29	1 49	25 24	10 3	7 34	8 6	18 2	11 20	0 57
W29	15 50	19 33	4 24	18 13	2 41	21 39	1 51	22 40	0 54	16 3	0 48	22 52	0 4	0 47	0 46	7 29	1 49	25 24	10 3	7 30	8 5	17 59	11 21	0 57
T 30	15 32	14 59	3 48	18 26	2 30	21 40	1 47	22 33	0 55	15 59	0 48	22 52	0 4	0 47	0 46	7 28	1 49	25 23	10 3	7 26	8 4	17 57	11 21	0 57
F 31	15s13	9n51	3n 2	18s38	2n17	21s41	1n43	22s25	0s55	15s55	0s48	22n53	0s 3	0n48	0n46	7s28	1n49	25s23	10s 3	7n22	8n 2	17n54	11n22	0s57

Julian Day Number = 2195152.5, Delta T = 10m27s
Ecliptic obliquity = 23°31'57, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°56'59, Lahiri = 14°04'00 Julian Calendar 1 Jan. 1298 == Greg. Calendar 8 Jan. 1298

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

FEBRUARY 1298 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 13 47	19♒54'22	23♍57	26♑55	7♑ 3	24♑ 3	19♒22	12°R31	29°R43	23°R29	16♒55	18°R39	20♈27	23♌23	2♉ 9	S 1
S 2	9 17 44	20°54'50	5♎53	27° 9	8°13	24°49	19°37	12♋28	29♍42	23♎29	16°57	18♈36	20°24	23°30	2°11	S 2
M 3	9 21 40	21°55'16	17°57	27°29	9°23	25°36	19°51	12°24	29°40	23°28	16°59	18°D35	20°21	23°36	2°13	M 3
T 4	9 25 37	22°55'41	0♏11	27°54	10°33	26°22	20° 6	12°21	29°38	23°27	17° 0	18°35	20°18	23°43	2°15	T 4
W 5	9 29 33	23°56'05	12°41	28°25	11°43	27° 9	20°20	12°18	29°36	23°27	17° 2	18°36	20°14	23°50	2°17	W 5
T 6	9 33 30	24°56'27	25°32	29° 0	12°54	27°55	20°34	12°15	29°34	23°26	17° 4	18°R37	20°11	23°56	2°19	T 6
F 7	9 37 26	25°56'48	8♐47	29°39	14° 4	28°41	20°49	12°12	29°32	23°26	17° 6	18°36	20° 8	24° 3	2°21	F 7
S 8	9 41 23	26°57'07	22°30	0♒23	15°15	29°28	21° 3	12°10	29°30	23°25	17° 7	18°33	20° 5	24°10	2°23	S 8
S 9	9 45 20	27°57'25	6♑42	1°10	16°25	0♒14	21°18	12° 7	29°28	23°24	17° 9	18°28	20° 2	24°16	2°25	S 9
M10	9 49 16	28°57'42	21°21	2° 1	17°36	1° 1	21°32	12° 4	29°26	23°23	17°11	18°21	19°58	24°23	2°27	M10
T 11	9 53 13	29°57'57	6♒22	2°55	18°47	1°47	21°46	12° 2	29°24	23°23	17°12	18°14	19°55	24°30	2°29	T 11
W12	9 57 9	0♓58'10	21°37	3°52	19°58	2°34	22° 1	11°59	29°22	23°22	17°14	18° 6	19°52	24°37	2°32	W12
T 13	10 1 6	1°58'21	6♓55	4°52	21° 8	3°21	22°15	11°57	29°19	23°21	17°16	18° 0	19°49	24°43	2°34	T 13
F 14	10 5 2	2°58'30	22° 5	5°54	22°19	4° 7	22°29	11°55	29°17	23°20	17°17	17°55	19°46	24°50	2°37	F 14
S 15	10 8 59	3°58'37	6♈58	6°59	23°30	4°54	22°44	11°53	29°15	23°19	17°19	17°53	19°43	24°57	2°39	S 15
S 16	10 12 55	4°58'42	21°26	8° 6	24°42	5°40	22°58	11°51	29°13	23°18	17°21	17°D53	19°39	25° 3	2°41	S 16
M17	10 16 52	5°58'45	5♉27	9°15	25°53	6°27	23°12	11°49	29°10	23°17	17°22	17°54	19°36	25°10	2°44	M17
T 18	10 20 48	6°58'46	19° 1	10°27	27° 4	7°13	23°26	11°47	29° 8	23°16	17°24	17°55	19°33	25°17	2°47	T 18
W19	10 24 45	7°58'45	2♊ 8	11°40	28°15	8° 0	23°41	11°45	29° 6	23°15	17°26	17°R56	19°30	25°23	2°49	W19
T 20	10 28 42	8°58'41	14°53	12°55	29°26	8°47	23°55	11°44	29° 3	23°14	17°27	17°56	19°27	25°30	2°52	T 20
F 21	10 32 38	9°58'35	27°20	14°12	0♒38	9°33	24° 9	11°42	29° 1	23°13	17°29	17°54	19°24	25°37	2°55	F 21
S 22	10 36 35	10°58'27	9♋32	15°30	1°49	10°20	24°23	11°41	28°59	23°12	17°31	17°51	19°20	25°44	2°58	S 22
S 23	10 40 31	11°58'17	21°35	16°50	3° 0	11° 7	24°37	11°40	28°56	23°11	17°32	17°46	19°17	25°50	3° 0	S 23
M24	10 44 28	12°58'05	3♌30	18°12	4°12	11°53	24°51	11°39	28°54	23°10	17°34	17°40	19°14	25°57	3° 3	M24
T 25	10 48 24	13°57'50	15°22	19°35	5°23	12°40	25° 5	11°37	28°51	23° 9	17°35	17°34	19°11	26° 4	3° 6	T 25
W26	10 52 21	14°57'33	27°13	21° 0	6°35	13°27	25°19	11°37	28°49	23° 7	17°37	17°28	19° 8	26°10	3° 9	W26
T 27	10 56 18	15°57'14	9♍ 4	22°26	7°47	14°13	25°33	11°36	28°46	23° 6	17°39	17°22	19° 4	26°17	3°12	T 27
F 28	11 0 14	16♓56'53	20♍58	23♒53	8♒58	15♒ 0	25♒47	11♋35	28♍44	23♎ 5	17♒40	17♈18	19♈ 1	26♌24	3♉15	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s54	4n22	2n 8	18s49	2n 5	21s42	1n39	22s18	0s56	15s50	0s48	22n53	0s 3	0n49	0n46	7s28	1n49	25s22	10s 3	7n20	8n 1	17n51	11n22	0s57
S 2	14 35	1s19	1 7	18 58	1 52	21 41	1 35	22 10	0 56	15 46	0 48	22 54	0 3	0 50	0 46	7 28	1 49	25 22	10 3	7 19	8 0	17 49	11 23	0 57
M 3	14 15	7 1	0 3	19 7	1 40	21 41	1 32	22 2	0 57	15 41	0 48	22 54	0 3	0 50	0 46	7 27	1 49	25 21	10 3	7 19	7 59	17 46	11 23	0 57
T 4	13 56	12 33	1s 2	19 14	1 27	21 39	1 28	21 54	0 57	15 37	0 49	22 54	0 3	0 51	0 46	7 27	1 49	25 21	10 3	7 19	7 58	17 43	11 24	0 57
W 5	13 36	17 42	2 6	19 20	1 15	21 37	1 24	21 45	0 58	15 32	0 49	22 55	0 3	0 52	0 46	7 27	1 49	25 20	10 3	7 19	7 56	17 40	11 25	0 57
T 6	13 16	22 13	3 5	19 25	1 3	21 35	1 20	21 37	0 58	15 28	0 49	22 55	0 3	0 53	0 46	7 27	1 49	25 20	10 3	7 19	7 55	17 38	11 25	0 58
F 7	12 55	25 45	3 56	19 28	0 51	21 31	1 16	21 28	0 59	15 23	0 49	22 56	0 3	0 54	0 46	7 26	1 50	25 19	10 3	7 19	7 54	17 35	11 26	0 58
S 8	12 35	27 55	4 36	19 30	0 40	21 28	1 12	21 18	0 59	15 18	0 49	22 56	0 3	0 54	0 46	7 26	1 50	25 19	10 3	7 18	7 53	17 32	11 27	0 58
S 9	12 14	28 22	5 1	19 31	0 28	21 23	1 8	21 9	1 0	15 14	0 49	22 56	0 2	0 55	0 46	7 26	1 50	25 19	10 4	7 16	7 52	17 29	11 27	0 58
M10	11 53	26 53	5 7	19 30	0 17	21 18	1 5	20 59	1 0	15 9	0 49	22 57	0 2	0 56	0 46	7 25	1 50	25 18	10 4	7 13	7 50	17 27	11 28	0 58
T 11	11 32	23 28	4 52	19 29	0 7	21 13	1 1	20 49	1 1	15 5	0 49	22 57	0 2	0 57	0 46	7 25	1 50	25 18	10 4	7 11	7 49	17 24	11 29	0 58
W12	11 10	18 24	4 17	19 25	0s 4	21 6	0 57	20 39	1 1	15 0	0 49	22 57	0 2	0 58	0 46	7 25	1 50	25 17	10 4	7 8	7 48	17 21	11 30	0 58
T 13	10 49	12 8	3 23	19 21	0 14	20 59	0 53	20 29	1 2	14 56	0 49	22 58	0 2	0 59	0 46	7 24	1 50	25 17	10 4	7 5	7 47	17 18	11 30	0 58
F 14	10 27	5 13	2 15	19 15	0 24	20 52	0 49	20 18	1 2	14 51	0 49	22 58	0 2	1 0	0 46	7 24	1 50	25 16	10 4	7 3	7 46	17 16	11 31	0 58
S 15	10 5	1n53	0 59	19 8	0 33	20 44	0 45	20 8	1 2	14 46	0 50	22 58	0 2	1 1	0 46	7 23	1 50	25 16	10 4	7 3	7 44	17 13	11 32	0 58
S 16	9 43	8 41	0n19	18 59	0 42	20 35	0 42	19 57	1 3	14 42	0 50	22 58	0 2	1 1	0 46	7 23	1 50	25 16	10 4	7 2	7 43	17 10	11 33	0 58
M17	9 21	14 52	1 34	18 49	0 50	20 26	0 38	19 45	1 3	14 37	0 50	22 59	0 2	1 2	0 46	7 23	1 50	25 15	10 4	7 3	7 42	17 7	11 34	0 58
T 18	8 59	20 7	2 41	18 38	0 59	20 16	0 34	19 34	1 4	14 32	0 50	22 59	0 1	1 3	0 46	7 22	1 50	25 15	10 5	7 3	7 41	17 5	11 35	0 58
W19	8 37	24 13	3 37	18 25	1 6	20 6	0 30	19 22	1 4	14 28	0 50	22 59	0 1	1 4	0 46	7 22	1 50	25 14	10 5	7 4	7 40	17 2	11 36	0 58
T 20	8 14	26 59	4 21	18 11	1 14	19 55	0 26	19 10	1 5	14 23	0 50	23 0	0 1	1 5	0 46	7 21	1 50	25 14	10 5	7 4	7 38	16 59	11 36	0 58
F 21	7 51	28 21	4 51	17 56	1 21	19 44	0 23	18 58	1 5	14 19	0 50	23 0	0 1	1 6	0 47	7 21	1 50	25 14	10 5	7 3	7 37	16 56	11 37	0 58
S 22	7 29	28 18	5 7	17 39	1 28	19 31	0 19	18 46	1 5	14 14	0 50	23 0	0 1	1 7	0 47	7 21	1 50	25 13	10 5	7 2	7 36	16 53	11 38	0 58
S 23	7 6	26 54	5 10	17 20	1 34	19 19	0 15	18 34	1 6	14 9	0 50	23 0	0 1	1 8	0 47	7 20	1 50	25 13	10 5	7 0	7 35	16 51	11 39	0 58
M24	6 43	24 17	4 59	17 1	1 40	19 6	0 12	18 21	1 6	14 5	0 50	23 0	0 1	1 9	0 47	7 20	1 50	25 12	10 5	6 58	7 33	16 48	11 40	0 58
T 25	6 20	20 40	4 35	16 40	1 45	18 52	0 8	18 8	1 7	14 0	0 51	23 1	0 1	1 10	0 47	7 19	1 50	25 12	10 6	6 55	7 32	16 45	11 41	0 58
W26	5 57	16 14	4 0	16 18	1 50	18 38	0 5	17 55	1 7	13 55	0 51	23 1	0 1	1 11	0 47	7 19	1 50	25 12	10 6	6 53	7 31	16 42	11 42	0 58
T 27	5 34	11 11	3 14	15 54	1 55	18 23	0 1	17 42	1 7	13 51	0 51	23 1	0 1	1 12	0 47	7 18	1 51	25 11	10 6	6 51	7 30	16 39	11 43	0 58
F 28	5s10	5n43	2n19	15s29	1s59	18s 7	0s 2	17s29	1s 8	13s46	0s51	23n 1	0s 0	1n13	0n47	7s18	1n51	25s11	10s 6	6n49	7n29	16n37	11n44	0s58

Julian Day Number = 2195183.5, Delta T = 10m27s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'03, Lahiri = 14°04'04 Julian Calendar 1 Feb. 1298 == Greg. Calendar 8 Feb. 1298

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

MARCH 1298 JC

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 4 11	17♓56'30	2♎56	25♒22	10♒10	15♒47	26♒ 1	11°R34	28°R41	23°R 4	17♒42	17°R16	18♈58	26♌30	3♉18	S 1
S 2	11 8 7	18°56'05	15° 1	26°52	11°22	16°33	26°15	11♋34	28♍39	23♎ 2	17°43	17°D15	18°55	26°37	3°21	S 2
M 3	11 12 4	19°55'38	27°14	28°24	12°33	17°20	26°29	11°34	28°36	23° 1	17°45	17♈15	18°52	26°44	3°24	M 3
T 4	11 16 0	20°55'09	9♏38	29°57	13°45	18° 7	26°43	11°33	28°34	23° 0	17°46	17°16	18°49	26°50	3°28	T 4
W 5	11 19 57	21°54'38	22°16	1♓31	14°57	18°54	26°57	11°33	28°31	22°59	17°48	17°18	18°45	26°57	3°31	W 5
T 6	11 23 53	22°54'05	5♐11	3° 7	16° 9	19°40	27°10	11°D33	28°28	22°57	17°49	17°20	18°42	27° 4	3°34	T 6
F 7	11 27 50	23°53'31	18°25	4°44	17°21	20°27	27°24	11°33	28°26	22°56	17°51	17°R20	18°39	27°11	3°37	F 7
S 8	11 31 46	24°52'55	2♑ 2	6°22	18°33	21°14	27°38	11°33	28°23	22°54	17°52	17°20	18°36	27°17	3°41	S 8
S 9	11 35 43	25°52'17	16° 1	8° 2	19°45	22° 0	27°51	11°34	28°21	22°53	17°54	17°19	18°33	27°24	3°44	S 9
M10	11 39 40	26°51'38	0♒24	9°43	20°57	22°47	28° 5	11°34	28°18	22°52	17°55	17°17	18°30	27°31	3°48	M10
T 11	11 43 36	27°50'56	15° 6	11°25	22° 9	23°34	28°18	11°35	28°15	22°50	17°56	17°15	18°26	27°37	3°51	T 11
W12	11 47 33	28°50'13	0♓ 3	13° 9	23°21	24°21	28°32	11°35	28°13	22°49	17°58	17°12	18°23	27°44	3°54	W12
T 13	11 51 29	29°49'28	15° 6	14°54	24°33	25° 7	28°45	11°36	28°10	22°47	17°59	17°10	18°20	27°51	3°58	T 13
F 14	11 55 26	0♈48'40	0♈ 7	16°41	25°45	25°54	28°58	11°37	28° 8	22°46	18° 0	17° 9	18°17	27°57	4° 1	F 14
S 15	11 59 22	1°47'51	14°57	18°29	26°57	26°41	29°12	11°38	28° 5	22°44	18° 2	17°D 8	18°14	28° 4	4° 5	S 15
S 16	12 3 19	2°46'59	29°29	20°18	28°10	27°27	29°25	11°39	28° 2	22°43	18° 3	17° 9	18°10	28°11	4° 9	S 16
M17	12 7 15	3°46'05	13♉36	22° 9	29°22	28°14	29°38	11°40	28° 0	22°41	18° 4	17° 9	18° 7	28°17	4°12	M17
T 18	12 11 12	4°45'09	27°18	24° 1	0♓34	29° 1	29°51	11°41	27°57	22°40	18° 6	17°10	18° 4	28°24	4°16	T 18
W19	12 15 9	5°44'11	10♊34	25°54	1°46	29°47	0♓ 4	11°43	27°55	22°38	18° 7	17°11	18° 1	28°31	4°19	W19
T 20	12 19 5	6°43'11	23°25	27°49	2°58	0♓34	0°17	11°44	27°52	22°37	18° 8	17°12	17°58	28°38	4°23	T 20
F 21	12 23 2	7°42'08	5♋56	29°46	4°11	1°21	0°30	11°46	27°50	22°35	18°10	17°R12	17°55	28°44	4°27	F 21
S 22	12 26 58	8°41'03	18°11	1♈43	5°23	2° 7	0°43	11°48	27°47	22°33	18°11	17°12	17°51	28°51	4°31	S 22
S 23	12 30 55	9°39'55	0♌12	3°42	6°35	2°54	0°56	11°49	27°45	22°32	18°12	17°12	17°48	28°58	4°34	S 23
M24	12 34 51	10°38'45	12° 6	5°43	7°48	3°40	1° 9	11°51	27°42	22°30	18°13	17°11	17°45	29° 4	4°38	M24
T 25	12 38 48	11°37'33	23°57	7°44	9° 0	4°27	1°21	11°53	27°40	22°29	18°14	17°10	17°42	29°11	4°42	T 25
W26	12 42 44	12°36'18	5♍47	9°47	10°12	5°13	1°34	11°55	27°37	22°27	18°15	17°10	17°39	29°18	4°46	W26
T 27	12 46 41	13°35'02	17°41	11°51	11°25	6° 0	1°47	11°58	27°35	22°25	18°16	17° 9	17°35	29°24	4°50	T 27
F 28	12 50 38	14°33'43	29°40	13°56	12°37	6°46	1°59	12° 0	27°32	22°24	18°18	17° 9	17°32	29°31	4°53	F 28
S 29	12 54 34	15°32'22	11♎48	16° 2	13°50	7°33	2°11	12° 3	27°30	22°22	18°19	17° 9	17°29	29°38	4°57	S 29
S 30	12 58 31	16°30'59	24° 6	18° 9	15° 2	8°19	2°24	12° 5	27°27	22°21	18°20	17°D 9	17°26	29°44	5° 1	S 30
M31	13 2 27	17♈29'34	6♏35	20♈16	16♓14	9♓ 6	2♓36	12♋ 8	27♍25	22♎19	18♒21	17°R 9	17♈23	29♌51	5♉ 5	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s47	0n 1	1n18	15s 3	2s 3	17s52	0s 6	17s15	1s 8	13s42	0s51	23n 1	0s 0	1n14	0n47	7s17	1n51	25s11	10s 6	6n48	7n27	16n34	11n45	0s58
S 2	4 24	5s45	0 12	14 35	2 6	17 35	0 9	17 1	1 8	13 37	0 51	23 1	0 0	1 15	0 47	7 17	1 51	25 10	10 7	6 48	7 26	16 31	11 46	0 58
M 3	4 0	11 23	0s55	14 6	2 9	17 18	0 13	16 48	1 9	13 32	0 51	23 2	0 0	1 16	0 47	7 16	1 51	25 10	10 7	6 48	7 25	16 28	11 47	0 58
T 4	3 37	16 39	2 0	13 35	2 12	17 1	0 16	16 33	1 9	13 28	0 51	23 2	0n 0	1 17	0 47	7 16	1 51	25 10	10 7	6 49	7 24	16 25	11 48	0 58
W 5	3 13	21 19	3 1	13 4	2 14	16 43	0 19	16 19	1 10	13 23	0 51	23 2	0 0	1 18	0 47	7 15	1 51	25 9	10 7	6 49	7 23	16 22	11 49	0 58
T 6	2 50	25 5	3 54	12 30	2 16	16 25	0 22	16 5	1 10	13 19	0 52	23 2	0 0	1 19	0 47	7 15	1 51	25 9	10 7	6 50	7 21	16 20	11 50	0 58
F 7	2 26	27 36	4 36	11 56	2 17	16 6	0 26	15 50	1 10	13 14	0 52	23 2	0 0	1 20	0 47	7 14	1 51	25 9	10 7	6 50	7 20	16 17	11 51	0 59
S 8	2 2	28 35	5 4	11 20	2 18	15 47	0 29	15 36	1 11	13 9	0 52	23 2	0 0	1 21	0 47	7 14	1 51	25 9	10 8	6 50	7 19	16 14	11 52	0 59
S 9	1 39	27 47	5 15	10 43	2 18	15 27	0 32	15 21	1 11	13 5	0 52	23 2	0 1	1 22	0 47	7 13	1 51	25 8	10 8	6 50	7 18	16 11	11 54	0 59
M10	1 15	25 8	5 7	10 5	2 18	15 7	0 35	15 6	1 11	13 0	0 52	23 2	0 1	1 23	0 47	7 12	1 51	25 8	10 8	6 49	7 17	16 8	11 55	0 59
T 11	0 52	20 48	4 39	9 25	2 17	14 47	0 38	14 51	1 11	12 56	0 52	23 2	0 1	1 24	0 47	7 12	1 51	25 8	10 8	6 48	7 15	16 5	11 56	0 59
W12	0 28	15 6	3 51	8 44	2 16	14 26	0 41	14 35	1 12	12 51	0 52	23 2	0 1	1 26	0 47	7 11	1 51	25 8	10 9	6 47	7 14	16 2	11 57	0 59
T 13	0 4	8 28	2 48	8 2	2 14	14 4	0 43	14 20	1 12	12 46	0 53	23 2	0 1	1 27	0 47	7 11	1 51	25 7	10 9	6 46	7 13	16 0	11 58	0 59
F 14	0n19	1 22	1 33	7 18	2 12	13 43	0 46	14 4	1 12	12 42	0 53	23 2	0 1	1 28	0 47	7 10	1 51	25 7	10 9	6 46	7 12	15 57	11 59	0 59
S 15	0 43	5n44	0 12	6 34	2 10	13 20	0 49	13 48	1 13	12 37	0 53	23 2	0 1	1 29	0 47	7 10	1 51	25 7	10 9	6 45	7 10	15 54	12 0	0 59
S 16	1 7	12 23	1n 8	5 48	2 6	12 58	0 52	13 33	1 13	12 33	0 53	23 2	0 1	1 30	0 47	7 9	1 51	25 7	10 9	6 46	7 9	15 51	12 2	0 59
M17	1 30	18 14	2 21	5 0	2 3	12 35	0 54	13 17	1 13	12 28	0 53	23 2	0 1	1 31	0 47	7 8	1 51	25 7	10 10	6 46	7 8	15 48	12 3	0 59
T 18	1 54	22 57	3 24	4 12	1 59	12 12	0 57	13 1	1 13	12 24	0 53	23 2	0 1	1 32	0 47	7 8	1 51	25 6	10 10	6 46	7 7	15 45	12 4	0 59
W19	2 17	26 19	4 14	3 23	1 54	11 48	0 59	12 44	1 14	12 19	0 53	23 2	0 1	1 33	0 47	7 7	1 51	25 6	10 10	6 47	7 6	15 42	12 5	0 59
T 20	2 41	28 12	4 50	2 32	1 49	11 25	1 2	12 28	1 14	12 15	0 54	23 2	0 2	1 34	0 47	7 7	1 51	25 6	10 10	6 47	7 4	15 39	12 6	0 59
F 21	3 4	28 34	5 11	1 40	1 43	11 0	1 4	12 12	1 14	12 10	0 54	23 2	0 2	1 35	0 47	7 6	1 51	25 6	10 11	6 47	7 3	15 36	12 7	0 59
S 22	3 27	27 31	5 17	0 47	1 37	10 36	1 6	11 55	1 14	12 6	0 54	23 2	0 2	1 36	0 47	7 5	1 51	25 6	10 11	6 47	7 2	15 34	12 9	0 59
S 23	3 51	25 12	5 9	0n 6	1 30	10 11	1 8	11 38	1 15	12 2	0 54	23 2	0 2	1 37	0 47	7 5	1 51	25 6	10 11	6 47	7 1	15 31	12 10	0 59
M24	4 14	21 49	4 47	1 1	1 23	9 46	1 10	11 22	1 15	11 57	0 54	23 2	0 2	1 38	0 47	7 4	1 51	25 5	10 11	6 46	7 0	15 28	12 11	0 59
T 25	4 37	17 35	4 14	1 56	1 15	9 21	1 12	11 5	1 15	11 53	0 54	23 2	0 2	1 39	0 46	7 4	1 51	25 5	10 12	6 46	6 58	15 25	12 12	0 59
W26	5 0	12 40	3 30	2 52	1 7	8 55	1 14	10 48	1 15	11 48	0 55	23 2	0 2	1 40	0 46	7 3	1 51	25 5	10 12	6 46	6 57	15 22	12 14	0 59
T 27	5 23	7 17	2 36	3 49	0 58	8 29	1 16	10 31	1 15	11 44	0 55	23 2	0 2	1 41	0 46	7 2	1 51	25 5	10 12	6 46	6 56	15 19	12 15	1 0
F 28	5 46	1 35	1 35	4 46	0 49	8 3	1 18	10 14	1 16	11 40	0 55	23 2	0 2	1 42	0 46	7 2	1 51	25 5	10 12	6 46	6 55	15 16	12 16	1 0
S 29	6 8	4s14	0 30	5 44	0 39	7 37	1 20	9 57	1 16	11 35	0 55	23 2	0 2	1 43	0 46	7 1	1 51	25 5	10 13	6 46	6 53	15 13	12 17	1 0
S 30	6 31	9 59	0s38	6 41	0 30	7 10	1 22	9 39	1 16	11 31	0 55	23 1	0 3	1 44	0 46	7 1	1 51	25 5	10 13	6 46	6 52	15 10	12 18	1 0
M31	6n54	15s26	1s46	7n39	0s19	6s44	1s23	9s22	1s16	11s27	0s55	23n 1	0n 3	1n44	0n46	7s 0	1n51	25s 5	10s13	6n46	6n51	15n 7	12n20	1s 0

Julian Day Number = 2195211.5, Delta T = 10m27s
Ecliptic obliquity = 23°31'59, Nutation = - 0°00'05, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'07, Lahiri = 14°04'08 Julian Calendar 1 March 1298 == Greg. Calendar 8 March 1298

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

APRIL 1298 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	13 6 24	18♈28'08	19♏16	22♈23	17♓27	9♓52	2♓48	12♋10	27°R22	22°R17	18♒22	17°R 9	17♈20	29♌58	5♉ 9	T 1
W 2	13 10 20	19°26'39	2♐11	24°30	18°39	10°39	3° 0	12°13	27♍20	22♎16	18°23	17♈ 8	17°16	0♍ 4	5°13	W 2
T 3	13 14 17	20°25'09	15°21	26°38	19°52	11°25	3°12	12°16	27°18	22°14	18°24	17° 8	17°13	0°11	5°17	T 3
F 4	13 18 13	21°23'38	28°45	28°44	21° 4	12°12	3°24	12°19	27°16	22°12	18°25	17° 8	17°10	0°18	5°21	F 4
S 5	13 22 10	22°22'04	12♑25	0♉50	22°17	12°58	3°36	12°22	27°13	22°11	18°26	17° 7	17° 7	0°25	5°25	S 5
S 6	13 26 7	23°20'29	26°21	2°55	23°30	13°44	3°48	12°26	27°11	22° 9	18°26	17°D 7	17° 4	0°31	5°29	S 6
M 7	13 30 3	24°18'53	10♒31	4°58	24°42	14°31	3°59	12°29	27° 9	22° 8	18°27	17° 8	17° 1	0°38	5°33	M 7
T 8	13 34 0	25°17'15	24°54	6°59	25°55	15°17	4°11	12°32	27° 7	22° 6	18°28	17° 8	16°57	0°45	5°37	T 8
W 9	13 37 56	26°15'35	9♓27	8°59	27° 7	16° 3	4°23	12°36	27° 4	22° 4	18°29	17° 9	16°54	0°51	5°41	W 9
T 10	13 41 53	27°13'53	24° 5	10°56	28°20	16°50	4°34	12°40	27° 2	22° 3	18°30	17°10	16°51	0°58	5°45	T 10
F 11	13 45 49	28°12'10	8♈43	12°50	29°33	17°36	4°45	12°43	27° 0	22° 1	18°31	17°10	16°48	1° 5	5°49	F 11
S 12	13 49 46	29°10'25	23°14	14°41	0♈45	18°22	4°56	12°47	26°58	21°59	18°31	17°R10	16°45	1°11	5°53	S 12
S 13	13 53 42	0♉ 8'39	7♉33	16°30	1°58	19° 8	5° 8	12°51	26°56	21°58	18°32	17°10	16°41	1°18	5°57	S 13
M14	13 57 39	1° 6'50	21°35	18°15	3°11	19°54	5°19	12°55	26°54	21°56	18°33	17° 8	16°38	1°25	6° 1	M14
T 15	14 1 36	2° 5'00	5♊15	19°57	4°23	20°41	5°30	12°59	26°52	21°55	18°34	17° 6	16°35	1°31	6° 5	T 15
W16	14 5 32	3° 3'08	18°33	21°35	5°36	21°27	5°40	13° 3	26°50	21°53	18°34	17° 4	16°32	1°38	6° 9	W16
T 17	14 9 29	4° 1'14	1♋28	23° 9	6°49	22°13	5°51	13° 8	26°48	21°51	18°35	17° 2	16°29	1°45	6°13	T 17
F 18	14 13 25	4°59'18	14° 2	24°40	8° 1	22°59	6° 2	13°12	26°46	21°50	18°36	17° 0	16°26	1°51	6°17	F 18
S 19	14 17 22	5°57'21	26°19	26° 6	9°14	23°45	6°12	13°16	26°44	21°48	18°36	16°59	16°22	1°58	6°21	S 19
S 20	14 21 18	6°55'21	8♌23	27°29	10°27	24°31	6°23	13°21	26°43	21°47	18°37	16°D59	16°19	2° 5	6°25	S 20
M21	14 25 15	7°53'19	20°18	28°48	11°39	25°16	6°33	13°25	26°41	21°45	18°37	16°59	16°16	2°12	6°30	M21
T 22	14 29 11	8°51'16	2♍ 8	0♊ 2	12°52	26° 2	6°43	13°30	26°39	21°43	18°38	17° 1	16°13	2°18	6°34	T 22
W23	14 33 8	9°49'10	13°59	1°12	14° 5	26°48	6°53	13°35	26°38	21°42	18°38	17° 2	16°10	2°25	6°38	W23
T 24	14 37 5	10°47'03	25°56	2°18	15°18	27°34	7° 3	13°40	26°36	21°40	18°39	17° 4	16° 7	2°32	6°42	T 24
F 25	14 41 1	11°44'54	8♎ 1	3°20	16°30	28°20	7°13	13°45	26°34	21°39	18°39	17° 5	16° 3	2°38	6°46	F 25
S 26	14 44 58	12°42'43	20°18	4°18	17°43	29° 5	7°23	13°49	26°33	21°37	18°40	17°R 5	16° 0	2°45	6°50	S 26
S 27	14 48 54	13°40'31	2♏50	5°11	18°56	29°51	7°33	13°55	26°31	21°36	18°40	17° 4	15°57	2°52	6°54	S 27
M28	14 52 51	14°38'17	15°37	5°59	20° 9	0♈37	7°42	14° 0	26°30	21°34	18°40	17° 2	15°54	2°58	6°58	M28
T 29	14 56 47	15°36'02	28°41	6°43	21°21	1°22	7°51	14° 5	26°28	21°33	18°41	16°59	15°51	3° 5	7° 2	T 29
W30	15 0 44	16♉33'46	11♐59	7♊22	22♈34	2♈ 8	8♓ 1	14♋10	26♍27	21♎31	18♒41	16♈54	15♈47	3♍12	7♉ 6	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	7n16	20s19	2s49	8n36	0s 9	6s17	1s25	9s 4	1s16	11s23	0s56	23n 1	0n 3	1n45	0n46	6s59	1n51	25s 5	10s14	6n46	6n50	15n 4	12n21	1s 0
W 2	7 38	24 21	3 45	9 34	0n 2	5 49	1 26	8 47	1 16	11 18	0 56	23 1	0 3	1 46	0 46	6 59	1 51	25 5	10 14	6 45	6 49	15 1	12 22	1 0
T 3	8 0	27 11	4 30	10 30	0 13	5 22	1 28	8 29	1 17	11 14	0 56	23 1	0 3	1 47	0 46	6 58	1 51	25 5	10 14	6 45	6 47	14 58	12 23	1 0
F 4	8 22	28 33	5 1	11 26	0 23	4 55	1 29	8 12	1 17	11 10	0 56	23 1	0 3	1 48	0 46	6 57	1 51	25 4	10 14	6 45	6 46	14 55	12 25	1 0
S 5	8 44	28 12	5 16	12 21	0 34	4 27	1 30	7 54	1 17	11 6	0 56	23 0	0 3	1 49	0 46	6 57	1 51	25 4	10 15	6 45	6 45	14 52	12 26	1 0
S 6	9 6	26 5	5 13	13 14	0 45	3 59	1 31	7 36	1 17	11 2	0 56	23 0	0 3	1 50	0 46	6 56	1 51	25 4	10 15	6 45	6 44	14 49	12 27	1 0
M 7	9 28	22 20	4 51	14 6	0 56	3 31	1 32	7 18	1 17	10 58	0 57	23 0	0 3	1 51	0 46	6 56	1 51	25 4	10 15	6 45	6 42	14 47	12 29	1 0
T 8	9 49	17 12	4 11	14 57	1 6	3 3	1 33	7 0	1 17	10 54	0 57	23 0	0 3	1 52	0 46	6 55	1 51	25 4	10 16	6 45	6 41	14 44	12 30	1 0
W 9	10 10	11 3	3 14	15 45	1 17	2 35	1 34	6 42	1 17	10 50	0 57	22 59	0 3	1 52	0 46	6 54	1 51	25 4	10 16	6 46	6 40	14 41	12 31	1 0
T 10	10 32	4 16	2 4	16 32	1 26	2 7	1 35	6 24	1 17	10 46	0 57	22 59	0 4	1 53	0 46	6 54	1 51	25 4	10 16	6 46	6 39	14 38	12 32	1 0
F 11	10 53	2n45	0 47	17 16	1 36	1 39	1 36	6 6	1 17	10 42	0 57	22 59	0 4	1 54	0 46	6 53	1 51	25 4	10 16	6 46	6 38	14 35	12 34	1 1
S 12	11 13	9 35	0n34	17 58	1 45	1 10	1 36	5 48	1 17	10 38	0 58	22 59	0 4	1 55	0 46	6 53	1 51	25 4	10 17	6 46	6 36	14 32	12 35	1 1
S 13	11 34	15 50	1 50	18 38	1 53	0 42	1 37	5 30	1 17	10 34	0 58	22 58	0 4	1 56	0 46	6 52	1 51	25 5	10 17	6 46	6 35	14 29	12 36	1 1
M14	11 54	21 7	2 59	19 15	2 1	0 13	1 38	5 12	1 17	10 30	0 58	22 58	0 4	1 56	0 46	6 51	1 51	25 5	10 17	6 45	6 34	14 26	12 37	1 1
T 15	12 15	25 7	3 56	19 50	2 7	0n15	1 38	4 54	1 17	10 26	0 58	22 58	0 4	1 57	0 46	6 51	1 51	25 5	10 18	6 45	6 33	14 23	12 39	1 1
W16	12 35	27 39	4 38	20 23	2 14	0 44	1 38	4 36	1 18	10 22	0 58	22 57	0 4	1 58	0 46	6 50	1 51	25 5	10 18	6 44	6 31	14 20	12 40	1 1
T 17	12 55	28 36	5 4	20 53	2 19	1 12	1 39	4 17	1 18	10 19	0 59	22 57	0 4	1 59	0 46	6 50	1 51	25 5	10 18	6 43	6 30	14 17	12 41	1 1
F 18	13 14	28 1	5 15	21 20	2 24	1 41	1 39	3 59	1 18	10 15	0 59	22 57	0 4	1 59	0 46	6 49	1 51	25 5	10 19	6 42	6 29	14 14	12 42	1 1
S 19	13 34	26 4	5 11	21 45	2 28	2 9	1 39	3 41	1 18	10 11	0 59	22 56	0 4	2 0	0 46	6 48	1 51	25 5	10 19	6 42	6 28	14 11	12 44	1 1
S 20	13 53	22 58	4 54	22 7	2 31	2 38	1 39	3 22	1 18	10 7	0 59	22 56	0 4	2 1	0 46	6 48	1 51	25 5	10 19	6 42	6 27	14 8	12 45	1 1
M21	14 12	18 57	4 24	22 27	2 33	3 6	1 39	3 4	1 18	10 4	1 0	22 56	0 5	2 2	0 46	6 47	1 51	25 5	10 20	6 42	6 25	14 5	12 46	1 1
T 22	14 30	14 13	3 43	22 44	2 34	3 35	1 39	2 46	1 17	10 0	1 0	22 55	0 5	2 2	0 46	6 47	1 51	25 5	10 20	6 42	6 24	14 2	12 48	1 1
W23	14 49	8 58	2 52	22 59	2 34	4 3	1 39	2 28	1 17	9 57	1 0	22 55	0 5	2 3	0 46	6 46	1 51	25 5	10 20	6 43	6 23	13 59	12 49	1 1
T 24	15 7	3 22	1 54	23 12	2 33	4 32	1 39	2 9	1 17	9 53	1 0	22 54	0 5	2 3	0 46	6 46	1 51	25 6	10 20	6 44	6 22	13 56	12 50	1 2
F 25	15 25	2s26	0 50	23 23	2 32	5 0	1 39	1 51	1 17	9 50	1 0	22 54	0 5	2 4	0 46	6 45	1 51	25 6	10 21	6 44	6 20	13 52	12 51	1 2
S 26	15 43	8 14	0s18	23 31	2 29	5 28	1 38	1 33	1 17	9 46	1 1	22 54	0 5	2 5	0 46	6 44	1 51	25 6	10 21	6 44	6 19	13 49	12 53	1 2
S 27	16 0	13 50	1 25	23 38	2 25	5 56	1 38	1 14	1 17	9 43	1 1	22 53	0 5	2 5	0 46	6 44	1 51	25 6	10 21	6 44	6 18	13 46	12 54	1 2
M28	16 18	18 58	2 30	23 42	2 21	6 24	1 37	0 56	1 17	9 39	1 1	22 53	0 5	2 6	0 46	6 43	1 51	25 6	10 22	6 43	6 17	13 43	12 55	1 2
T 29	16 35	23 20	3 28	23 44	2 15	6 52	1 37	0 38	1 17	9 36	1 1	22 52	0 5	2 6	0 46	6 43	1 51	25 6	10 22	6 42	6 15	13 40	12 56	1 2
W30	16n51	26s33	4s16	23n44	2n 8	7n20	1s36	0s20	1s17	9s33	1s 2	22n52	0n 5	2n 7	0n46	6s42	1n51	25s 7	10s22	6n40	6n14	13n37	12n58	1s 2

Julian Day Number = 2195242.5, Delta T = 10m27s
Ecliptic obliquity = 23°31'59, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'11, Lahiri = 14°04'12 Julian Calendar 1 Apr. 1298 == Greg. Calendar 8 Apr. 1298

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

MAY 1298 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	15 4 40	17♉31'28	25♐32	7♊57	23♈47	2♈53	8♓10	14♋15	26°R26	21°R30	18♒41	16°R50	15♈44	3♍18	7♉10	T 1
F 2	15 8 37	18°29'09	9♑17	8°27	25° 0	3°39	8°19	14°21	26♍24	21♎29	18°42	16♈45	15°41	3°25	7°14	F 2
S 3	15 12 34	19°26'49	23°11	8°52	26°13	4°24	8°28	14°26	26°23	21°27	18°42	16°42	15°38	3°32	7°18	S 3
S 4	15 16 30	20°24'28	7♒14	9°12	27°26	5°10	8°37	14°32	26°22	21°26	18°42	16°40	15°35	3°38	7°22	S 4
M 5	15 20 27	21°22'06	21°22	9°28	28°38	5°55	8°45	14°38	26°21	21°24	18°42	16°D39	15°32	3°45	7°26	M 5
T 6	15 24 23	22°19'43	5♓34	9°38	29°51	6°40	8°54	14°43	26°20	21°23	18°42	16°40	15°28	3°52	7°30	T 6
W 7	15 28 20	23°17'19	19°48	9°44	1♉ 4	7°26	9° 2	14°49	26°19	21°22	18°43	16°41	15°25	3°58	7°34	W 7
T 8	15 32 16	24°14'54	4♈ 2	9°R46	2°17	8°11	9°10	14°55	26°18	21°20	18°43	16°42	15°22	4° 5	7°38	T 8
F 9	15 36 13	25°12'27	18°13	9°42	3°30	8°56	9°19	15° 1	26°17	21°19	18°43	16°R43	15°19	4°12	7°42	F 9
S 10	15 40 9	26°10'00	2♉18	9°35	4°43	9°41	9°27	15° 7	26°16	21°18	18°43	16°42	15°16	4°18	7°46	S 10
S 11	15 44 6	27° 7'33	16°14	9°23	5°56	10°26	9°34	15°13	26°15	21°17	18°43	16°39	15°13	4°25	7°50	S 11
M12	15 48 3	28° 5'04	29°58	9° 7	7° 9	11°11	9°42	15°19	26°14	21°15	18°R43	16°34	15° 9	4°32	7°54	M12
T 13	15 51 59	29° 2'34	13♊25	8°47	8°22	11°56	9°50	15°25	26°13	21°14	18°43	16°28	15° 6	4°38	7°58	T 13
W14	15 55 56	0♊ 0'03	26°35	8°24	9°35	12°41	9°57	15°31	26°13	21°13	18°43	16°20	15° 3	4°45	8° 1	W14
T 15	15 59 52	0°57'30	9♋26	7°58	10°48	13°26	10° 4	15°37	26°12	21°12	18°43	16°13	15° 0	4°52	8° 5	T 15
F 16	16 3 49	1°54'57	21°59	7°29	12° 1	14°11	10°11	15°44	26°11	21°11	18°43	16° 6	14°57	4°59	8° 9	F 16
S 17	16 7 45	2°52'22	4♌15	6°59	13°14	14°56	10°18	15°50	26°11	21° 9	18°43	16° 1	14°53	5° 5	8°13	S 17
S 18	16 11 42	3°49'46	16°19	6°26	14°27	15°40	10°25	15°56	26°10	21° 8	18°43	15°57	14°50	5°12	8°17	S 18
M19	16 15 38	4°47'09	28°14	5°53	15°40	16°25	10°32	16° 3	26°10	21° 7	18°42	15°55	14°47	5°19	8°20	M19
T 20	16 19 35	5°44'31	10♍ 4	5°20	16°53	17°10	10°38	16° 9	26° 9	21° 6	18°42	15°D55	14°44	5°25	8°24	T 20
W21	16 23 32	6°41'52	21°56	4°46	18° 6	17°54	10°45	16°16	26° 9	21° 5	18°42	15°56	14°41	5°32	8°28	W21
T 22	16 27 28	7°39'11	3♎53	4°14	19°19	18°38	10°51	16°23	26° 9	21° 4	18°42	15°57	14°38	5°39	8°32	T 22
F 23	16 31 25	8°36'30	16° 2	3°42	20°32	19°23	10°57	16°29	26° 9	21° 3	18°41	15°R58	14°34	5°45	8°35	F 23
S 24	16 35 21	9°33'47	28°26	3°13	21°45	20° 7	11° 3	16°36	26° 8	21° 2	18°41	15°57	14°31	5°52	8°39	S 24
S 25	16 39 18	10°31'04	11♏ 8	2°46	22°58	20°52	11° 8	16°43	26° 8	21° 1	18°41	15°54	14°28	5°59	8°43	S 25
M26	16 43 14	11°28'20	24°11	2°21	24°11	21°36	11°14	16°50	26° 8	21° 0	18°41	15°49	14°25	6° 5	8°46	M26
T 27	16 47 11	12°25'35	7♐35	2° 0	25°24	22°20	11°19	16°56	26°D 8	20°59	18°40	15°42	14°22	6°12	8°50	T 27
W28	16 51 7	13°22'50	21°19	1°42	26°37	23° 4	11°25	17° 3	26° 8	20°59	18°40	15°33	14°19	6°19	8°53	W28
T 29	16 55 4	14°20'04	5♑18	1°28	27°50	23°48	11°30	17°10	26° 8	20°58	18°39	15°24	14°15	6°25	8°57	T 29
F 30	16 59 1	15°17'18	19°29	1°19	29° 3	24°32	11°34	17°17	26° 8	20°57	18°39	15°15	14°12	6°32	9° 0	F 30
S 31	17 2 57	16♊14'31	3♒47	1♊13	0♊16	25♈16	11♓39	17♋24	26♍ 9	20♎56	18♒39	15♈ 8	14♈ 9	6♍39	9♉ 4	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	17n 8	28s18	4s51	23n42	2n 1	7n47	1s35	0s 1	1s17	9s30	1s 2	22n51	0n 5	2n 7	0n46	6s42	1n51	25s 7	10s23	6n38	6n13	13n34	12n59	1s 2
F 2	17 24	28 21	5 9	23 38	1 52	8 15	1 35	0n17	1 17	9 27	1 2	22 51	0 5	2 8	0 45	6 41	1 51	25 7	10 23	6 37	6 12	13 31	13 0	1 2
S 3	17 40	26 37	5 10	23 33	1 42	8 42	1 34	0 35	1 17	9 23	1 2	22 50	0 6	2 8	0 45	6 41	1 51	25 7	10 23	6 35	6 11	13 28	13 1	1 2
S 4	17 55	23 14	4 52	23 26	1 32	9 9	1 33	0 53	1 16	9 20	1 3	22 50	0 6	2 9	0 45	6 40	1 51	25 8	10 24	6 34	6 9	13 25	13 2	1 2
M 5	18 10	18 29	4 17	23 17	1 20	9 36	1 32	1 12	1 16	9 17	1 3	22 49	0 6	2 9	0 45	6 40	1 51	25 8	10 24	6 34	6 8	13 22	13 4	1 3
T 6	18 25	12 41	3 25	23 6	1 8	10 3	1 31	1 30	1 16	9 14	1 3	22 49	0 6	2 9	0 45	6 39	1 51	25 8	10 24	6 34	6 7	13 19	13 5	1 3
W 7	18 40	6 13	2 21	22 54	0 54	10 29	1 30	1 48	1 16	9 11	1 3	22 48	0 6	2 10	0 45	6 39	1 51	25 8	10 25	6 35	6 6	13 16	13 6	1 3
T 8	18 54	0n34	1 9	22 40	0 40	10 56	1 29	2 6	1 16	9 8	1 4	22 48	0 6	2 10	0 45	6 38	1 51	25 9	10 25	6 35	6 4	13 13	13 7	1 3
F 9	19 8	7 18	0n 8	22 25	0 25	11 22	1 28	2 24	1 16	9 6	1 4	22 47	0 6	2 11	0 45	6 38	1 51	25 9	10 25	6 36	6 3	13 10	13 8	1 3
S 10	19 22	13 38	1 24	22 8	0 10	11 47	1 26	2 42	1 16	9 3	1 4	22 46	0 6	2 11	0 45	6 38	1 51	25 9	10 26	6 35	6 2	13 7	13 10	1 3
S 11	19 36	19 12	2 33	21 50	0s 7	12 13	1 25	3 0	1 15	9 0	1 4	22 46	0 6	2 11	0 45	6 37	1 51	25 9	10 26	6 34	6 1	13 4	13 11	1 3
M12	19 49	23 41	3 33	21 31	0 23	12 38	1 24	3 18	1 15	8 57	1 5	22 45	0 6	2 11	0 45	6 37	1 51	25 10	10 26	6 32	6 0	13 0	13 12	1 3
T 13	20 1	26 47	4 19	21 11	0 40	13 3	1 22	3 35	1 15	8 55	1 5	22 45	0 6	2 12	0 45	6 36	1 51	25 10	10 27	6 30	5 58	12 57	13 13	1 3
W14	20 14	28 20	4 50	20 51	0 58	13 28	1 21	3 53	1 15	8 52	1 5	22 44	0 6	2 12	0 45	6 36	1 51	25 10	10 27	6 27	5 57	12 54	13 14	1 3
T 15	20 26	28 17	5 6	20 29	1 15	13 52	1 19	4 11	1 14	8 50	1 5	22 43	0 7	2 12	0 45	6 35	1 51	25 11	10 27	6 24	5 56	12 51	13 15	1 4
F 16	20 38	26 46	5 7	20 8	1 32	14 16	1 18	4 28	1 14	8 47	1 6	22 43	0 7	2 12	0 45	6 35	1 51	25 11	10 28	6 22	5 55	12 48	13 17	1 4
S 17	20 49	24 0	4 53	19 46	1 49	14 40	1 16	4 46	1 14	8 45	1 6	22 42	0 7	2 13	0 45	6 35	1 51	25 11	10 28	6 19	5 53	12 45	13 18	1 4
S 18	21 0	20 14	4 26	19 24	2 6	15 3	1 14	5 4	1 14	8 43	1 6	22 41	0 7	2 13	0 45	6 34	1 51	25 12	10 28	6 18	5 52	12 42	13 19	1 4
M19	21 11	15 42	3 49	19 2	2 22	15 26	1 13	5 21	1 13	8 40	1 6	22 41	0 7	2 13	0 45	6 34	1 51	25 12	10 28	6 17	5 51	12 39	13 20	1 4
T 20	21 21	10 37	3 1	18 41	2 38	15 49	1 11	5 38	1 13	8 38	1 7	22 40	0 7	2 13	0 45	6 34	1 50	25 12	10 29	6 17	5 50	12 36	13 21	1 4
W21	21 31	5 8	2 6	18 21	2 53	16 11	1 9	5 56	1 13	8 36	1 7	22 39	0 7	2 13	0 45	6 33	1 50	25 13	10 29	6 18	5 48	12 32	13 22	1 4
T 22	21 40	0s34	1 5	18 1	3 6	16 33	1 7	6 13	1 13	8 34	1 7	22 39	0 7	2 13	0 45	6 33	1 50	25 13	10 29	6 18	5 47	12 29	13 23	1 4
F 23	21 49	6 20	0s 0	17 43	3 19	16 54	1 5	6 30	1 12	8 32	1 8	22 38	0 7	2 13	0 45	6 32	1 50	25 13	10 30	6 18	5 46	12 26	13 24	1 4
S 24	21 58	12 0	1 7	17 26	3 31	17 15	1 3	6 47	1 12	8 30	1 8	22 37	0 7	2 13	0 45	6 32	1 50	25 14	10 30	6 18	5 45	12 23	13 25	1 5
S 25	22 7	17 18	2 11	17 11	3 41	17 36	1 1	7 4	1 12	8 28	1 8	22 36	0 7	2 13	0 45	6 32	1 50	25 14	10 30	6 17	5 43	12 20	13 26	1 5
M26	22 15	21 58	3 10	16 57	3 50	17 56	0 59	7 21	1 11	8 26	1 8	22 36	0 7	2 13	0 45	6 32	1 50	25 15	10 31	6 15	5 42	12 17	13 27	1 5
T 27	22 22	25 37	4 0	16 45	3 58	18 16	0 57	7 38	1 11	8 24	1 9	22 35	0 8	2 13	0 44	6 31	1 50	25 15	10 31	6 12	5 41	12 14	13 28	1 5
W28	22 30	27 52	4 38	16 36	4 4	18 35	0 55	7 54	1 11	8 23	1 9	22 34	0 8	2 13	0 44	6 31	1 50	25 15	10 31	6 9	5 40	12 11	13 29	1 5
T 29	22 37	28 25	5 0	16 28	4 9	18 54	0 53	8 11	1 10	8 21	1 9	22 33	0 8	2 13	0 44	6 31	1 50	25 16	10 32	6 5	5 39	12 7	13 30	1 5
F 30	22 43	27 7	5 3	16 22	4 13	19 12	0 51	8 28	1 10	8 19	1 10	22 32	0 8	2 13	0 44	6 30	1 50	25 16	10 32	6 2	5 37	12 4	13 31	1 5
S 31	22n49	24s 3	4s48	16n19	4s16	19n30	0s49	8n44	1s10	8s18	1s10	22n31	0n 8	2n13	0n44	6s30	1n50	25s17	10s32	5n59	5n36	12n 1	13n32	1s 5

Julian Day Number = 2195272.5, Delta T = 10m27s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'06, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'16, Lahiri = 14°04'16 Julian Calendar 1 May 1298 == Greg. Calendar 8 May 1298

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

JUNE 1298 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	17 6 54	17♊11'44	18♒ 6	1°D12	1♊30	26♈ 0	11♓44	17♋31	26♍ 9	20°R55	18°R38	15°R 2	14♈ 6	6♍45	9♉ 7	S 1
M 2	17 10 50	18° 8'57	2♓23	1♊16	2°43	26°44	11°48	17°38	26° 9	20♎55	18♒38	14♈59	14° 3	6°52	9°11	M 2
T 3	17 14 47	19° 6'09	16°35	1°24	3°56	27°27	11°52	17°45	26° 9	20°54	18°37	14°D58	13°59	6°59	9°14	T 3
W 4	17 18 43	20° 3'21	0♈40	1°37	5° 9	28°11	11°56	17°53	26°10	20°53	18°37	14°59	13°56	7° 5	9°17	W 4
T 5	17 22 40	21° 0'34	14°38	1°55	6°22	28°55	12° 0	18° 0	26°10	20°53	18°36	14°R59	13°53	7°12	9°21	T 5
F 6	17 26 36	21°57'46	28°27	2°17	7°36	29°38	12° 4	18° 7	26°11	20°52	18°35	14°58	13°50	7°19	9°24	F 6
S 7	17 30 33	22°54'58	12♉ 8	2°44	8°49	0♉22	12° 7	18°14	26°11	20°51	18°35	14°56	13°47	7°25	9°27	S 7
S 8	17 34 30	23°52'10	25°40	3°16	10° 2	1° 5	12°11	18°22	26°12	20°51	18°34	14°50	13°44	7°32	9°30	S 8
M 9	17 38 26	24°49'23	9♊ 0	3°52	11°16	1°48	12°14	18°29	26°13	20°50	18°34	14°42	13°40	7°39	9°33	M 9
T 10	17 42 23	25°46'35	22° 8	4°33	12°29	2°31	12°17	18°36	26°13	20°50	18°33	14°32	13°37	7°45	9°37	T 10
W11	17 46 19	26°43'47	5♋ 2	5°18	13°42	3°15	12°19	18°44	26°14	20°49	18°32	14°20	13°34	7°52	9°40	W11
T 12	17 50 16	27°40'58	17°42	6° 8	14°56	3°58	12°22	18°51	26°15	20°49	18°31	14° 8	13°31	7°59	9°43	T 12
F 13	17 54 12	28°38'10	0♌ 7	7° 1	16° 9	4°41	12°24	18°59	26°16	20°49	18°31	13°57	13°28	8° 5	9°46	F 13
S 14	17 58 9	29°35'21	12°18	8° 0	17°22	5°24	12°26	19° 6	26°17	20°48	18°30	13°47	13°25	8°12	9°49	S 14
S 15	18 2 6	0♋32'32	24°19	9° 2	18°36	6° 7	12°28	19°14	26°18	20°48	18°29	13°40	13°21	8°19	9°52	S 15
M16	18 6 2	1°29'43	6♍12	10° 9	19°49	6°49	12°30	19°21	26°19	20°48	18°28	13°35	13°18	8°25	9°55	M16
T 17	18 9 59	2°26'53	18° 1	11°20	21° 3	7°32	12°32	19°29	26°20	20°47	18°28	13°32	13°15	8°32	9°57	T 17
W18	18 13 55	3°24'03	29°51	12°34	22°16	8°15	12°33	19°36	26°21	20°47	18°27	13°D31	13°12	8°39	10° 0	W18
T 19	18 17 52	4°21'13	11♎48	13°53	23°29	8°57	12°34	19°44	26°22	20°47	18°26	13°R31	13° 9	8°45	10° 3	T 19
F 20	18 21 48	5°18'23	23°57	15°16	24°43	9°40	12°35	19°51	26°23	20°47	18°25	13°31	13° 5	8°52	10° 6	F 20
S 21	18 25 45	6°15'33	6♏22	16°43	25°56	10°22	12°36	19°59	26°25	20°47	18°24	13°30	13° 2	8°59	10° 8	S 21
S 22	18 29 41	7°12'43	19°10	18°13	27°10	11° 4	12°37	20° 7	26°26	20°46	18°23	13°26	12°59	9° 5	10°11	S 22
M23	18 33 38	8° 9'53	2♐22	19°47	28°23	11°47	12°37	20°14	26°27	20°46	18°22	13°20	12°56	9°12	10°14	M23
T 24	18 37 35	9° 7'03	16° 0	21°25	29°37	12°29	12°37	20°22	26°29	20°46	18°21	13°11	12°53	9°19	10°16	T 24
W25	18 41 31	10° 4'13	0♑ 2	23° 7	0♋50	13°11	12°R37	20°30	26°30	20°D46	18°20	13° 0	12°50	9°25	10°19	W25
T 26	18 45 28	11° 1'24	14°24	24°51	2° 4	13°53	12°37	20°37	26°32	20°46	18°19	12°49	12°46	9°32	10°21	T 26
F 27	18 49 24	11°58'35	29° 1	26°39	3°18	14°35	12°37	20°45	26°33	20°46	18°18	12°38	12°43	9°39	10°24	F 27
S 28	18 53 21	12°55'46	13♒44	28°31	4°31	15°16	12°36	20°53	26°35	20°46	18°17	12°29	12°40	9°45	10°26	S 28
S 29	18 57 17	13°52'58	28°26	0♋25	5°45	15°58	12°36	21° 0	26°37	20°47	18°16	12°22	12°37	9°52	10°28	S 29
M30	19 1 14	14♋50'10	13♓ 0	2♋21	6♋59	16♉40	12♓35	21♋ 8	26♍38	20♎47	18♒15	12♈17	12♈34	9♍59	10♉31	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n55	19s31	4s15	16n17	4s17	19n47	0s46	9n 0	1s 9	8s16	1s10	22n31	0n 8	2n13	0n44	6s30	1n50	25s17	10s32	5n57	5n35	11n58	13n33	1s 5
M 2	23 0	13 53	3 27	16 18	4 17	20 4	0 44	9 17	1 9	8 15	1 10	22 30	0 8	2 13	0 44	6 30	1 50	25 18	10 33	5 56	5 34	11 55	13 34	1 6
T 3	23 5	7 33	2 25	16 21	4 16	20 20	0 42	9 33	1 8	8 14	1 11	22 29	0 8	2 12	0 44	6 30	1 50	25 18	10 33	5 55	5 32	11 52	13 35	1 6
W 4	23 9	0 53	1 16	16 26	4 13	20 36	0 40	9 49	1 8	8 12	1 11	22 28	0 8	2 12	0 44	6 29	1 50	25 18	10 33	5 55	5 31	11 49	13 36	1 6
T 5	23 14	5n46	0 2	16 32	4 10	20 51	0 37	10 5	1 8	8 11	1 11	22 27	0 8	2 12	0 44	6 29	1 50	25 19	10 34	5 55	5 30	11 45	13 37	1 6
F 6	23 17	12 4	1n11	16 41	4 6	21 5	0 35	10 20	1 7	8 10	1 12	22 26	0 8	2 12	0 44	6 29	1 50	25 19	10 34	5 55	5 29	11 42	13 38	1 6
S 7	23 21	17 45	2 19	16 51	4 0	21 19	0 33	10 36	1 7	8 9	1 12	22 25	0 8	2 12	0 44	6 29	1 50	25 20	10 34	5 54	5 27	11 39	13 39	1 6
S 8	23 23	22 27	3 18	17 4	3 54	21 33	0 30	10 52	1 6	8 8	1 12	22 25	0 9	2 11	0 44	6 29	1 50	25 20	10 34	5 52	5 26	11 36	13 40	1 6
M 9	23 26	25 56	4 6	17 17	3 47	21 45	0 28	11 7	1 6	8 7	1 13	22 24	0 9	2 11	0 44	6 28	1 50	25 21	10 35	5 49	5 25	11 33	13 41	1 6
T 10	23 28	27 56	4 39	17 32	3 39	21 58	0 25	11 22	1 5	8 6	1 13	22 23	0 9	2 11	0 44	6 28	1 49	25 21	10 35	5 45	5 24	11 30	13 42	1 7
W11	23 30	28 23	4 57	17 49	3 31	22 9	0 23	11 38	1 5	8 5	1 13	22 22	0 9	2 10	0 44	6 28	1 49	25 22	10 35	5 40	5 22	11 26	13 43	1 7
T 12	23 31	27 19	5 1	18 6	3 22	22 20	0 21	11 53	1 4	8 5	1 13	22 21	0 9	2 10	0 44	6 28	1 49	25 22	10 36	5 36	5 21	11 23	13 43	1 7
F 13	23 32	24 55	4 50	18 25	3 12	22 31	0 18	12 8	1 4	8 4	1 14	22 20	0 9	2 10	0 44	6 28	1 49	25 23	10 36	5 31	5 20	11 20	13 44	1 7
S 14	23 32	21 25	4 25	18 44	3 2	22 40	0 16	12 22	1 3	8 4	1 14	22 19	0 9	2 9	0 44	6 28	1 49	25 23	10 36	5 27	5 19	11 17	13 45	1 7
S 15	23 32	17 4	3 50	19 5	2 51	22 49	0 13	12 37	1 3	8 3	1 14	22 18	0 9	2 9	0 44	6 28	1 49	25 24	10 36	5 25	5 18	11 14	13 46	1 7
M16	23 31	12 7	3 4	19 26	2 39	22 58	0 11	12 52	1 2	8 3	1 15	22 17	0 9	2 8	0 44	6 28	1 49	25 24	10 37	5 23	5 16	11 10	13 47	1 7
T 17	23 31	6 46	2 11	19 47	2 28	23 5	0 8	13 6	1 2	8 2	1 15	22 16	0 9	2 8	0 44	6 28	1 49	25 25	10 37	5 22	5 15	11 7	13 47	1 8
W18	23 29	1 10	1 12	20 9	2 16	23 12	0 6	13 20	1 1	8 2	1 15	22 15	0 9	2 7	0 44	6 28	1 49	25 25	10 37	5 21	5 14	11 4	13 48	1 8
T 19	23 28	4s32	0 9	20 31	2 4	23 19	0 3	13 35	1 1	8 2	1 16	22 14	0 9	2 7	0 43	6 28	1 49	25 26	10 37	5 21	5 13	11 1	13 49	1 8
F 20	23 26	10 11	0s55	20 52	1 51	23 25	0 1	13 49	1 0	8 2	1 16	22 13	0 10	2 6	0 43	6 28	1 49	25 26	10 38	5 21	5 11	10 58	13 50	1 8
S 21	23 23	15 33	1 58	21 14	1 38	23 30	0n 1	14 2	1 0	8 2	1 16	22 12	0 10	2 6	0 43	6 28	1 49	25 27	10 38	5 21	5 10	10 54	13 50	1 8
S 22	23 20	20 25	2 57	21 35	1 26	23 34	0 4	14 16	0 59	8 2	1 17	22 11	0 10	2 5	0 43	6 28	1 49	25 27	10 38	5 19	5 9	10 51	13 51	1 8
M23	23 17	24 26	3 48	21 56	1 13	23 38	0 6	14 30	0 59	8 2	1 17	22 10	0 10	2 5	0 43	6 28	1 49	25 28	10 38	5 17	5 8	10 48	13 52	1 8
T 24	23 13	27 14	4 28	22 16	1 0	23 41	0 9	14 43	0 58	8 2	1 17	22 9	0 10	2 4	0 43	6 28	1 49	25 28	10 39	5 13	5 6	10 45	13 52	1 8
W25	23 9	28 25	4 53	22 34	0 47	23 43	0 11	14 57	0 58	8 2	1 17	22 8	0 10	2 3	0 43	6 28	1 49	25 29	10 39	5 9	5 5	10 42	13 53	1 9
T 26	23 4	27 43	5 0	22 52	0 34	23 44	0 13	15 10	0 57	8 3	1 18	22 6	0 10	2 3	0 43	6 28	1 49	25 29	10 39	5 5	5 4	10 38	13 54	1 9
F 27	22 59	25 8	4 48	23 8	0 22	23 45	0 16	15 23	0 56	8 3	1 18	22 5	0 10	2 2	0 43	6 28	1 49	25 30	10 39	5 1	5 3	10 35	13 54	1 9
S 28	22 54	20 52	4 17	23 22	0 10	23 45	0 18	15 36	0 56	8 4	1 18	22 4	0 10	2 1	0 43	6 28	1 48	25 30	10 39	4 57	5 1	10 32	13 55	1 9
S 29	22 48	15 20	3 29	23 34	0n 2	23 45	0 20	15 48	0 55	8 4	1 19	22 3	0 10	2 1	0 43	6 28	1 48	25 31	10 40	4 54	5 0	10 29	13 55	1 9
M30	22n42	8s59	2s28	23n44	0n14	23n44	0n23	16n 1	0s54	8s 5	1s19	22n 2	0n10	2n 0	0n43	6s28	1n48	25s32	10s40	4n53	4n59	10n25	13n56	1s 9

Julian Day Number = 2195303.5, Delta T = 10m27s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'20, Lahiri = 14°04'20 Julian Calendar 1 June 1298 == Greg. Calendar 8 June 1298

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

JULY 1298 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	19 5 10	15♋47'23	27♓22	4♋20	8♋12	17♉21	12°R34	21♋16	26♍40	20♎47	18°R14	12°R16	12♈31	10♍ 6	10♉33	T 1
W 2	19 9 7	16°44'37	11♈30	6°21	9°26	18° 3	12♓32	21°24	26°42	20°47	18♒13	12♈15	12°27	10°12	10°35	W 2
T 3	19 13 4	17°41'52	25°23	8°24	10°40	18°44	12°31	21°31	26°44	20°47	18°12	12°15	12°24	10°19	10°37	T 3
F 4	19 17 0	18°39'07	9♉ 0	10°29	11°53	19°26	12°29	21°39	26°46	20°48	18°11	12°14	12°21	10°26	10°39	F 4
S 5	19 20 57	19°36'24	22°24	12°34	13° 7	20° 7	12°27	21°47	26°48	20°48	18°10	12°11	12°18	10°32	10°41	S 5
S 6	19 24 53	20°33'41	5♊36	14°41	14°21	20°48	12°25	21°55	26°50	20°48	18° 9	12° 5	12°15	10°39	10°43	S 6
M 7	19 28 50	21°31'00	18°35	16°47	15°35	21°29	12°23	22° 3	26°52	20°49	18° 8	11°57	12°11	10°46	10°45	M 7
T 8	19 32 46	22°28'19	1♋23	18°55	16°49	22°10	12°20	22°10	26°54	20°49	18° 7	11°46	12° 8	10°52	10°47	T 8
W 9	19 36 43	23°25'39	13°59	21° 1	18° 2	22°51	12°18	22°18	26°56	20°49	18° 5	11°33	12° 5	10°59	10°49	W 9
T 10	19 40 40	24°23'00	26°24	23° 8	19°16	23°31	12°15	22°26	26°58	20°50	18° 4	11°20	12° 2	11° 6	10°51	T 10
F 11	19 44 36	25°20'22	8♌37	25°14	20°30	24°12	12°12	22°34	27° 0	20°50	18° 3	11° 8	11°59	11°12	10°52	F 11
S 12	19 48 33	26°17'44	20°41	27°20	21°44	24°53	12° 9	22°41	27° 2	20°51	18° 2	10°57	11°56	11°19	10°54	S 12
S 13	19 52 29	27°15'07	2♍36	29°24	22°58	25°33	12° 5	22°49	27° 5	20°52	18° 1	10°49	11°52	11°26	10°56	S 13
M14	19 56 26	28°12'31	14°26	1♌27	24°12	26°13	12° 2	22°57	27° 7	20°52	18° 0	10°44	11°49	11°32	10°57	M14
T 15	20 0 22	29° 9'55	26°13	3°30	25°26	26°54	11°58	23° 5	27° 9	20°53	17°58	10°41	11°46	11°39	10°59	T 15
W16	20 4 19	0♌ 7'20	8♎ 2	5°30	26°40	27°34	11°54	23°12	27°12	20°53	17°57	10°D40	11°43	11°45	11° 0	W16
T 17	20 8 15	1° 4'46	19°57	7°30	27°54	28°14	11°50	23°20	27°14	20°54	17°56	10°40	11°40	11°52	11° 1	T 17
F 18	20 12 12	2° 2'13	2♏ 4	9°28	29° 8	28°54	11°45	23°28	27°17	20°55	17°55	10°R40	11°37	11°59	11° 3	F 18
S 19	20 16 8	2°59'41	14°29	11°25	0♌22	29°33	11°41	23°35	27°19	20°56	17°53	10°40	11°33	12° 5	11° 4	S 19
S 20	20 20 5	3°57'09	27°15	13°20	1°36	0♊13	11°36	23°43	27°22	20°56	17°52	10°37	11°30	12°12	11° 5	S 20
M21	20 24 2	4°54'38	10♐28	15°13	2°50	0°53	11°31	23°51	27°25	20°57	17°51	10°33	11°27	12°19	11° 6	M21
T 22	20 27 58	5°52'08	24° 9	17° 6	4° 4	1°32	11°26	23°59	27°27	20°58	17°50	10°26	11°24	12°25	11° 7	T 22
W23	20 31 55	6°49'39	8♑18	18°56	5°18	2°11	11°21	24° 6	27°30	20°59	17°48	10°18	11°21	12°32	11° 8	W23
T 24	20 35 51	7°47'11	22°53	20°45	6°32	2°51	11°16	24°14	27°33	21° 0	17°47	10° 8	11°17	12°39	11° 9	T 24
F 25	20 39 48	8°44'44	7♒46	22°33	7°46	3°30	11°11	24°21	27°35	21° 1	17°46	9°59	11°14	12°45	11°10	F 25
S 26	20 43 44	9°42'19	22°49	24°19	9° 1	4° 9	11° 5	24°29	27°38	21° 2	17°44	9°51	11°11	12°52	11°11	S 26
S 27	20 47 41	10°39'54	7♓52	26° 3	10°15	4°48	10°59	24°37	27°41	21° 3	17°43	9°45	11° 8	12°59	11°12	S 27
M28	20 51 38	11°37'31	22°47	27°46	11°29	5°27	10°53	24°44	27°44	21° 4	17°42	9°42	11° 5	13° 5	11°13	M28
T 29	20 55 34	12°35'09	7♈26	29°28	12°43	6° 5	10°47	24°52	27°47	21° 5	17°41	9°D41	11° 2	13°12	11°13	T 29
W30	20 59 31	13°32'49	21°46	1♍ 8	13°57	6°44	10°41	24°59	27°50	21° 6	17°39	9°41	10°58	13°19	11°14	W30
T 31	21 3 27	14♌30'31	5♉44	2♍47	15♌12	7♊22	10♓35	25♋ 7	27♍53	21♎ 7	17♒38	9♈42	10♈55	13♍25	11♉15	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22n36	2s14	1s18	23n52	0n25	23n42	0n25	16n13	0s54	8s 6	1s19	22n 1	0n10	1n59	0n43	6s28	1n48	25s32	10s40	4n52	4n58	10n22	13n57	1s10
W 2	22 29	4n30	0 4	23 58	0 35	23 39	0 27	16 25	0 53	8 6	1 20	22 0	0 11	1 58	0 43	6 28	1 48	25 33	10 40	4 52	4 56	10 19	13 57	1 10
T 3	22 21	10 55	1n 9	24 1	0 45	23 36	0 30	16 37	0 53	8 7	1 20	21 59	0 11	1 58	0 43	6 29	1 48	25 33	10 41	4 52	4 55	10 16	13 58	1 10
F 4	22 14	16 42	2 16	24 1	0 54	23 32	0 32	16 49	0 52	8 8	1 20	21 58	0 11	1 57	0 43	6 29	1 48	25 34	10 41	4 51	4 54	10 13	13 58	1 10
S 5	22 6	21 35	3 15	23 59	1 3	23 27	0 34	17 1	0 51	8 9	1 21	21 56	0 11	1 56	0 43	6 29	1 48	25 34	10 41	4 50	4 53	10 9	13 59	1 10
S 6	21 57	25 18	4 2	23 54	1 11	23 21	0 36	17 13	0 51	8 10	1 21	21 55	0 11	1 55	0 43	6 29	1 48	25 35	10 41	4 48	4 51	10 6	13 59	1 10
M 7	21 48	27 38	4 36	23 46	1 18	23 15	0 38	17 24	0 50	8 11	1 21	21 54	0 11	1 54	0 43	6 29	1 48	25 35	10 41	4 44	4 50	10 3	14 0	1 10
T 8	21 39	28 27	4 56	23 35	1 24	23 8	0 40	17 35	0 49	8 13	1 21	21 53	0 11	1 54	0 43	6 29	1 48	25 36	10 41	4 40	4 49	10 0	14 0	1 11
W 9	21 29	27 46	5 0	23 22	1 30	23 1	0 42	17 46	0 48	8 14	1 22	21 52	0 11	1 53	0 43	6 30	1 48	25 36	10 42	4 35	4 48	9 56	14 0	1 11
T 10	21 20	25 42	4 50	23 6	1 34	22 53	0 44	17 57	0 48	8 15	1 22	21 51	0 11	1 52	0 43	6 30	1 48	25 37	10 42	4 30	4 46	9 53	14 1	1 11
F 11	21 9	22 28	4 27	22 47	1 38	22 44	0 46	18 8	0 47	8 17	1 22	21 49	0 11	1 51	0 43	6 30	1 48	25 37	10 42	4 25	4 45	9 50	14 1	1 11
S 12	20 58	18 19	3 52	22 26	1 42	22 34	0 48	18 19	0 46	8 18	1 23	21 48	0 11	1 50	0 43	6 30	1 48	25 38	10 42	4 21	4 44	9 47	14 2	1 11
S 13	20 47	13 30	3 7	22 3	1 44	22 24	0 50	18 29	0 46	8 20	1 23	21 47	0 11	1 49	0 43	6 31	1 48	25 39	10 42	4 18	4 43	9 43	14 2	1 11
M14	20 36	8 13	2 15	21 38	1 46	22 13	0 52	18 39	0 45	8 21	1 23	21 46	0 12	1 48	0 42	6 31	1 48	25 39	10 42	4 16	4 41	9 40	14 2	1 11
T 15	20 24	2 40	1 16	21 11	1 47	22 1	0 54	18 49	0 44	8 23	1 23	21 45	0 12	1 47	0 42	6 31	1 47	25 40	10 43	4 15	4 40	9 37	14 3	1 12
W16	20 12	2s59	0 14	20 42	1 47	21 49	0 56	18 59	0 43	8 25	1 24	21 43	0 12	1 46	0 42	6 32	1 47	25 40	10 43	4 14	4 39	9 33	14 3	1 12
T 17	20 0	8 35	0s49	20 11	1 47	21 36	0 58	19 9	0 43	8 27	1 24	21 42	0 12	1 45	0 42	6 32	1 47	25 41	10 43	4 14	4 38	9 30	14 3	1 12
F 18	19 47	13 59	1 51	19 39	1 46	21 23	0 59	19 19	0 42	8 29	1 24	21 41	0 12	1 44	0 42	6 32	1 47	25 41	10 43	4 14	4 36	9 27	14 3	1 12
S 19	19 34	18 57	2 50	19 6	1 44	21 9	1 1	19 28	0 41	8 31	1 25	21 40	0 12	1 43	0 42	6 33	1 47	25 42	10 43	4 14	4 35	9 24	14 4	1 12
S 20	19 20	23 13	3 42	18 31	1 42	20 54	1 3	19 37	0 40	8 33	1 25	21 38	0 12	1 42	0 42	6 33	1 47	25 42	10 43	4 13	4 34	9 20	14 4	1 12
M21	19 7	26 27	4 23	17 55	1 40	20 39	1 4	19 46	0 39	8 35	1 25	21 37	0 12	1 41	0 42	6 33	1 47	25 43	10 43	4 11	4 33	9 17	14 4	1 13
T 22	18 53	28 16	4 52	17 18	1 36	20 23	1 6	19 55	0 39	8 37	1 25	21 36	0 12	1 40	0 42	6 34	1 47	25 43	10 43	4 9	4 32	9 14	14 4	1 13
W23	18 38	28 19	5 4	16 40	1 33	20 6	1 7	20 4	0 38	8 39	1 26	21 35	0 12	1 39	0 42	6 34	1 47	25 44	10 44	4 5	4 30	9 11	14 4	1 13
T 24	18 24	26 27	4 57	16 2	1 29	19 49	1 9	20 12	0 37	8 41	1 26	21 33	0 12	1 37	0 42	6 34	1 47	25 44	10 44	4 2	4 29	9 7	14 5	1 13
F 25	18 9	22 44	4 29	15 23	1 24	19 31	1 10	20 21	0 36	8 44	1 26	21 32	0 13	1 36	0 42	6 35	1 47	25 45	10 44	3 58	4 28	9 4	14 5	1 13
S 26	17 53	17 29	3 43	14 43	1 19	19 13	1 11	20 29	0 35	8 46	1 26	21 31	0 13	1 35	0 42	6 35	1 47	25 45	10 44	3 55	4 27	9 1	14 5	1 13
S 27	17 38	11 9	2 42	14 2	1 14	18 54	1 13	20 37	0 34	8 48	1 27	21 30	0 13	1 34	0 42	6 36	1 47	25 46	10 44	3 53	4 25	8 57	14 5	1 14
M28	17 22	4 15	1 29	13 22	1 8	18 35	1 14	20 45	0 34	8 51	1 27	21 28	0 13	1 33	0 42	6 36	1 47	25 46	10 44	3 52	4 24	8 54	14 5	1 14
T 29	17 6	2n47	0 12	12 41	1 2	18 15	1 15	20 52	0 33	8 53	1 27	21 27	0 13	1 32	0 42	6 36	1 47	25 47	10 44	3 51	4 23	8 51	14 5	1 14
W30	16 49	9 30	1n 4	11 59	0 56	17 55	1 16	21 0	0 32	8 56	1 27	21 26	0 13	1 30	0 42	6 37	1 47	25 47	10 44	3 51	4 22	8 47	14 5	1 14
T 31	16n33	15n36	2n15	11n17	0n49	17n34	1n17	21n 7	0s31	8s59	1s27	21n25	0n13	1n29	0n42	6s37	1n47	25s48	10s44	3n52	4n20	8n44	14n 5	1s14

Julian Day Number = 2195333.5, Delta T = 10m26s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'24, Lahiri = 14°04'24 Julian Calendar 1 July 1298 == Greg. Calendar 8 July 1298

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

AUGUST 1298 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	21 7 24	15♌28'15	19♉21	4♍24	16♌26	8♊ 1	10°R29	25♋14	27♍56	21♎ 8	17°R37	9°R42	10♈52	13♍32	11♉15	F 1
S 2	21 11 20	16°26'00	2♊38	6° 0	17°40	8°39	10♓22	25°22	27°59	21° 9	17♒35	9♈41	10°49	13°39	11°16	S 2
S 3	21 15 17	17°23'47	15°38	7°34	18°54	9°17	10°15	25°29	28° 2	21°10	17°34	9°38	10°46	13°45	11°16	S 3
M 4	21 19 13	18°21'35	28°23	9° 7	20° 9	9°55	10° 9	25°36	28° 5	21°12	17°33	9°32	10°42	13°52	11°16	M 4
T 5	21 23 10	19°19'26	10♋54	10°38	21°23	10°33	10° 2	25°44	28° 8	21°13	17°31	9°25	10°39	13°59	11°17	T 5
W 6	21 27 7	20°17'18	23°15	12° 9	22°37	11°10	9°55	25°51	28°11	21°14	17°30	9°16	10°36	14° 5	11°17	W 6
T 7	21 31 3	21°15'11	5♌26	13°37	23°52	11°48	9°48	25°58	28°14	21°15	17°29	9° 7	10°33	14°12	11°17	T 7
F 8	21 35 0	22°13'07	17°28	15° 4	25° 6	12°25	9°40	26° 6	28°18	21°17	17°27	8°58	10°30	14°19	11°17	F 8
S 9	21 38 56	23°11'03	29°24	16°30	26°21	13° 3	9°33	26°13	28°21	21°18	17°26	8°51	10°27	14°25	11°R17	S 9
S 10	21 42 53	24° 9'02	11♍14	17°54	27°35	13°40	9°26	26°20	28°24	21°20	17°25	8°46	10°23	14°32	11°17	S 10
M11	21 46 49	25° 7'01	23° 1	19°17	28°49	14°17	9°18	26°27	28°27	21°21	17°24	8°42	10°20	14°39	11°17	M11
T 12	21 50 46	26° 5'03	4♎48	20°38	0♍ 4	14°54	9°11	26°34	28°31	21°22	17°22	8°D41	10°17	14°45	11°17	T 12
W13	21 54 42	27° 3'05	16°38	21°58	1°18	15°31	9° 3	26°42	28°34	21°24	17°21	8°41	10°14	14°52	11°17	W13
T 14	21 58 39	28° 1'10	28°34	23°16	2°33	16° 7	8°55	26°49	28°37	21°25	17°20	8°42	10°11	14°59	11°16	T 14
F 15	22 2 35	28°59'15	10♏41	24°32	3°47	16°44	8°48	26°56	28°41	21°27	17°18	8°44	10° 8	15° 5	11°16	F 15
S 16	22 6 32	29°57'23	23° 4	25°47	5° 2	17°20	8°40	27° 3	28°44	21°28	17°17	8°45	10° 4	15°12	11°15	S 16
S 17	22 10 29	0♍55'32	5♐47	27° 0	6°16	17°56	8°32	27° 9	28°48	21°30	17°16	8°R45	10° 1	15°19	11°15	S 17
M18	22 14 25	1°53'42	18°55	28°10	7°31	18°32	8°24	27°16	28°51	21°31	17°15	8°44	9°58	15°25	11°14	M18
T 19	22 18 22	2°51'54	2♑31	29°19	8°45	19° 8	8°16	27°23	28°55	21°33	17°13	8°41	9°55	15°32	11°14	T 19
W20	22 22 18	3°50'07	16°35	0♎26	10° 0	19°43	8° 9	27°30	28°58	21°35	17°12	8°37	9°52	15°39	11°13	W20
T 21	22 26 15	4°48'22	1♒ 7	1°31	11°14	20°19	8° 1	27°37	29° 2	21°36	17°11	8°32	9°48	15°45	11°13	T 21
F 22	22 30 11	5°46'38	16° 2	2°33	12°29	20°54	7°53	27°43	29° 5	21°38	17°10	8°27	9°45	15°52	11°12	F 22
S 23	22 34 8	6°44'57	1♓11	3°33	13°43	21°30	7°45	27°50	29° 9	21°40	17° 8	8°23	9°42	15°59	11°11	S 23
S 24	22 38 5	7°43'16	16°25	4°30	14°58	22° 5	7°37	27°57	29°12	21°41	17° 7	8°20	9°39	16° 5	11°10	S 24
M25	22 42 1	8°41'38	1♈35	5°25	16°12	22°39	7°29	28° 3	29°16	21°43	17° 6	8°D19	9°36	16°12	11° 9	M25
T 26	22 45 58	9°40'02	16°31	6°16	17°27	23°14	7°21	28°10	29°19	21°45	17° 5	8°19	9°33	16°19	11° 8	T 26
W27	22 49 54	10°38'28	1♉ 5	7° 4	18°41	23°49	7°13	28°16	29°23	21°47	17° 4	8°20	9°29	16°25	11° 7	W27
T 28	22 53 51	11°36'56	15°16	7°49	19°56	24°23	7° 5	28°23	29°27	21°49	17° 2	8°21	9°26	16°32	11° 6	T 28
F 29	22 57 47	12°35'27	29° 1	8°30	21°11	24°57	6°57	28°29	29°30	21°50	17° 1	8°23	9°23	16°39	11° 5	F 29
S 30	23 1 44	13°33'59	12♊21	9° 8	22°25	25°31	6°49	28°35	29°34	21°52	17° 0	8°R23	9°20	16°45	11° 4	S 30
S 31	23 5 40	14♍32'34	25♊19	9♎41	23♍40	26♊ 5	6♓41	28♋41	29♍38	21♎54	16♒59	8♈23	9♈17	16♍52	11♉ 2	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
F 1	16n16	20n47	3n16	10n36	0n42	17n13	1n18	21n14	0s30	9s 1	1s28	21n23	0n13	1n28	0n42	6s38	1n47	25s48	10s44	3n52	4n19	8n41	14n 5	1s14	F 1
S 2	15 58	24 47	4 5	9 54	0 35	16 51	1 19	21 21	0 29	9 4	1 28	21 22	0 13	1 27	0 42	6 38	1 47	25 49	10 44	3 51	4 18	8 38	14 5	1 15	S 2
S 3	15 41	27 24	4 41	9 12	0 28	16 29	1 20	21 28	0 28	9 7	1 28	21 21	0 13	1 26	0 42	6 39	1 46	25 49	10 44	3 50	4 17	8 34	14 5	1 15	S 3
M 4	15 23	28 32	5 1	8 30	0 20	16 6	1 20	21 34	0 27	9 9	1 28	21 20	0 14	1 24	0 42	6 39	1 46	25 50	10 45	3 48	4 15	8 31	14 5	1 15	M 4
T 5	15 5	28 11	5 7	7 48	0 13	15 43	1 21	21 41	0 26	9 12	1 29	21 18	0 14	1 23	0 42	6 40	1 46	25 50	10 45	3 45	4 14	8 28	14 5	1 15	T 5
W 6	14 47	26 25	4 58	7 6	0 5	15 19	1 22	21 47	0 25	9 15	1 29	21 17	0 14	1 22	0 42	6 40	1 46	25 51	10 45	3 41	4 13	8 24	14 5	1 15	W 6
T 7	14 28	23 26	4 35	6 25	0s 4	14 55	1 22	21 53	0 24	9 18	1 29	21 16	0 14	1 20	0 42	6 41	1 46	25 51	10 45	3 38	4 12	8 21	14 5	1 15	T 7
F 8	14 10	19 29	4 1	5 43	0 12	14 30	1 23	21 59	0 23	9 21	1 29	21 14	0 14	1 19	0 42	6 41	1 46	25 52	10 45	3 34	4 10	8 18	14 5	1 16	F 8
S 9	13 51	14 47	3 16	5 2	0 20	14 6	1 24	22 5	0 22	9 24	1 29	21 13	0 14	1 18	0 42	6 42	1 46	25 52	10 45	3 31	4 9	8 14	14 4	1 16	S 9
S 10	13 31	9 35	2 23	4 21	0 29	13 40	1 24	22 10	0 22	9 27	1 29	21 12	0 14	1 17	0 42	6 43	1 46	25 52	10 45	3 29	4 8	8 11	14 4	1 16	S 10
M11	13 12	4 4	1 24	3 41	0 37	13 15	1 24	22 16	0 21	9 30	1 30	21 11	0 14	1 15	0 42	6 43	1 46	25 53	10 45	3 28	4 7	8 8	14 4	1 16	M11
T 12	12 52	1s36	0 21	3 1	0 46	12 49	1 25	22 21	0 20	9 33	1 30	21 9	0 14	1 14	0 42	6 44	1 46	25 53	10 45	3 27	4 5	8 4	14 4	1 16	T 12
W13	12 33	7 13	0s43	2 21	0 55	12 22	1 25	22 26	0 19	9 36	1 30	21 8	0 14	1 12	0 42	6 44	1 46	25 54	10 45	3 27	4 4	8 1	14 4	1 16	W13
T 14	12 13	12 39	1 46	1 42	1 4	11 56	1 25	22 31	0 18	9 39	1 30	21 7	0 15	1 11	0 42	6 45	1 46	25 54	10 45	3 28	4 3	7 58	14 3	1 17	T 14
F 15	11 52	17 42	2 45	1 4	1 13	11 29	1 25	22 36	0 16	9 42	1 30	21 6	0 15	1 10	0 42	6 45	1 46	25 55	10 45	3 28	4 2	7 54	14 3	1 17	F 15
S 16	11 32	22 8	3 38	0 26	1 22	11 1	1 25	22 40	0 15	9 45	1 30	21 4	0 15	1 8	0 42	6 46	1 46	25 55	10 45	3 29	4 0	7 51	14 3	1 17	S 16
S 17	11 11	25 39	4 22	0s11	1 31	10 34	1 25	22 45	0 14	9 48	1 30	21 3	0 15	1 7	0 42	6 47	1 46	25 55	10 45	3 29	3 59	7 48	14 3	1 17	S 17
M18	10 50	27 57	4 54	0 48	1 40	10 6	1 25	22 49	0 13	9 51	1 30	21 2	0 15	1 6	0 42	6 47	1 46	25 56	10 45	3 28	3 58	7 44	14 2	1 17	M18
T 19	10 30	28 41	5 10	1 23	1 49	9 38	1 25	22 53	0 12	9 54	1 31	21 1	0 15	1 4	0 41	6 48	1 46	25 56	10 45	3 27	3 57	7 41	14 2	1 17	T 19
W20	10 8	27 36	5 9	1 58	1 58	9 9	1 24	22 57	0 11	9 57	1 31	20 59	0 15	1 3	0 41	6 49	1 46	25 56	10 45	3 26	3 55	7 38	14 2	1 18	W20
T 21	9 47	24 40	4 48	2 32	2 6	8 41	1 24	23 1	0 10	10 0	1 31	20 58	0 15	1 1	0 41	6 49	1 46	25 57	10 45	3 24	3 54	7 34	14 1	1 18	T 21
F 22	9 26	20 2	4 8	3 5	2 15	8 12	1 24	23 4	0 9	10 3	1 31	20 57	0 15	1 0	0 41	6 50	1 46	25 57	10 45	3 22	3 53	7 31	14 1	1 18	F 22
S 23	9 4	14 3	3 9	3 37	2 24	7 43	1 23	23 8	0 8	10 6	1 31	20 56	0 15	0 58	0 41	6 51	1 46	25 58	10 45	3 20	3 51	7 28	14 0	1 18	S 23
S 24	8 42	7 10	1 57	4 8	2 32	7 13	1 23	23 11	0 7	10 9	1 31	20 54	0 16	0 57	0 41	6 51	1 46	25 58	10 45	3 19	3 50	7 24	14 0	1 18	S 24
M25	8 21	0n 4	0 37	4 37	2 41	6 44	1 22	23 14	0 6	10 12	1 31	20 53	0 16	0 56	0 41	6 52	1 45	25 58	10 44	3 19	3 49	7 21	14 0	1 18	M25
T 26	7 58	7 12	0n45	5 5	2 49	6 14	1 22	23 17	0 5	10 15	1 31	20 52	0 16	0 54	0 41	6 53	1 45	25 59	10 44	3 19	3 48	7 18	13 59	1 19	T 26
W27	7 36	13 48	2 2	5 31	2 57	5 44	1 21	23 20	0 3	10 18	1 31	20 51	0 16	0 53	0 41	6 53	1 45	25 59	10 44	3 19	3 46	7 14	13 59	1 19	W27
T 28	7 14	19 30	3 9	5 56	3 4	5 14	1 20	23 23	0 2	10 21	1 31	20 50	0 16	0 51	0 41	6 54	1 45	25 59	10 44	3 20	3 45	7 11	13 58	1 19	T 28
F 29	6 52	23 59	4 4	6 19	3 12	4 44	1 20	23 25	0 1	10 24	1 31	20 48	0 16	0 50	0 41	6 55	1 45	26 0	10 44	3 20	3 44	7 8	13 58	1 19	F 29
S 30	6 29	27 2	4 43	6 40	3 18	4 13	1 19	23 28	0n 0	10 27	1 31	20 47	0 16	0 48	0 41	6 56	1 45	26 0	10 44	3 20	3 43	7 4	13 57	1 19	S 30
S 31	6n 7	28n33	5n 7	6s59	3s25	3n43	1n18	23n30	0n 1	10s30	1s31	20n46	0n16	0n47	0n41	6s56	1n45	26s 0	10s44	3n20	3n41	7n 1	13n56	1s19	S 31

Julian Day Number = 2195364.5, Delta T = 10m26s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'28, Lahiri = 14°04'29 Julian Calendar 1 Aug. 1298 == Greg. Calendar 8 Aug. 1298

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

SEPTEMBER 1298 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	23 9 37	15♍31'11	7♋57	10♎ 9	24♍54	26♊39	6°R34	28♋48	29♍41	21♎56	16°R58	8°R21	9♈14	16♍59	11°R 1	M 1
T 2	23 13 34	16°29'51	20°20	10°33	26° 9	27°12	6♓26	28°54	29°45	21°58	16♒57	8♈19	9°10	17° 5	11♉ 0	T 2
W 3	23 17 30	17°28'32	2♌30	10°51	27°24	27°46	6°18	29° 0	29°49	22° 0	16°56	8°16	9° 7	17°12	10°58	W 3
T 4	23 21 27	18°27'16	14°31	11° 3	28°38	28°19	6°10	29° 6	29°53	22° 2	16°55	8°12	9° 4	17°19	10°57	T 4
F 5	23 25 23	19°26'02	26°25	11°10	29°53	28°51	6° 3	29°12	29°56	22° 4	16°54	8° 9	9° 1	17°25	10°55	F 5
S 6	23 29 20	20°24'50	8♍15	11°R10	1♎ 7	29°24	5°55	29°17	0♎ 0	22° 6	16°52	8° 7	8°58	17°32	10°53	S 6
S 7	23 33 16	21°23'40	20° 3	11° 3	2°22	29°57	5°48	29°23	0° 4	22° 8	16°51	8° 5	8°54	17°38	10°52	S 7
M 8	23 37 13	22°22'32	1♎51	10°49	3°37	0♋29	5°41	29°29	0° 8	22°10	16°50	8° 4	8°51	17°45	10°50	M 8
T 9	23 41 9	23°21'26	13°41	10°28	4°51	1° 1	5°33	29°35	0°11	22°12	16°49	8°D 4	8°48	17°52	10°48	T 9
W10	23 45 6	24°20'22	25°36	9°59	6° 6	1°33	5°26	29°40	0°15	22°14	16°48	8° 5	8°45	17°58	10°46	W10
T 11	23 49 2	25°19'20	7♏38	9°23	7°21	2° 4	5°19	29°46	0°19	22°16	16°47	8° 6	8°42	18° 5	10°44	T 11
F 12	23 52 59	26°18'19	19°51	8°40	8°35	2°35	5°12	29°51	0°23	22°18	16°46	8° 7	8°39	18°12	10°43	F 12
S 13	23 56 56	27°17'21	2♐17	7°49	9°50	3° 7	5° 5	29°56	0°26	22°20	16°46	8° 8	8°35	18°18	10°41	S 13
S 14	0 0 52	28°16'25	15° 1	6°53	11° 5	3°37	4°59	0♌ 2	0°30	22°22	16°45	8° 9	8°32	18°25	10°39	S 14
M15	0 4 49	29°15'30	28° 5	5°51	12°19	4° 8	4°52	0° 7	0°34	22°24	16°44	8°R 9	8°29	18°32	10°36	M15
T 16	0 8 45	0♎14'37	11♑33	4°44	13°34	4°39	4°46	0°12	0°38	22°26	16°43	8° 9	8°26	18°38	10°34	T 16
W17	0 12 42	1°13'46	25°26	3°35	14°49	5° 9	4°39	0°17	0°41	22°28	16°42	8° 8	8°23	18°45	10°32	W17
T 18	0 16 38	2°12'57	9♒44	2°25	16° 3	5°39	4°33	0°22	0°45	22°30	16°41	8° 8	8°20	18°52	10°30	T 18
F 19	0 20 35	3°12'09	24°25	1°16	17°18	6° 8	4°27	0°27	0°49	22°32	16°40	8° 7	8°16	18°58	10°28	F 19
S 20	0 24 31	4°11'24	9♓24	0°10	18°33	6°38	4°21	0°32	0°53	22°34	16°39	8° 7	8°13	19° 5	10°25	S 20
S 21	0 28 28	5°10'40	24°33	29♍ 8	19°47	7° 7	4°15	0°37	0°57	22°37	16°39	8° 6	8°10	19°12	10°23	S 21
M22	0 32 25	6° 9'58	9♈43	28°12	21° 2	7°36	4°10	0°41	1° 0	22°39	16°38	8°D 6	8° 7	19°18	10°21	M22
T 23	0 36 21	7° 9'18	24°45	27°25	22°17	8° 4	4° 4	0°46	1° 4	22°41	16°37	8° 6	8° 4	19°25	10°18	T 23
W24	0 40 18	8° 8'41	9♉30	26°47	23°31	8°32	3°59	0°50	1° 8	22°43	16°36	8°R 6	8° 0	19°32	10°16	W24
T 25	0 44 14	9° 8'06	23°52	26°19	24°46	9° 1	3°54	0°55	1°12	22°45	16°36	8° 6	7°57	19°38	10°13	T 25
F 26	0 48 11	10° 7'33	7♊48	26° 1	26° 1	9°28	3°49	0°59	1°15	22°48	16°35	8° 6	7°54	19°45	10°11	F 26
S 27	0 52 7	11° 7'02	21°16	25°D55	27°15	9°56	3°44	1° 3	1°19	22°50	16°34	8° 6	7°51	19°52	10° 8	S 27
S 28	0 56 4	12° 6'34	4♋19	26° 0	28°30	10°23	3°39	1° 7	1°23	22°52	16°34	8° 6	7°48	19°58	10° 6	S 28
M29	1 0 0	13° 6'08	16°59	26°15	29°45	10°50	3°35	1°11	1°27	22°54	16°33	8°D 6	7°45	20° 5	10° 3	M29
T 30	1 3 57	14♎ 5'45	29♋20	26♍41	0♏59	11♋16	3♓30	1♌15	1♎30	22♎56	16♒33	8♈ 6	7♈41	20♍11	10♉ 0	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	5n44	28n32	5n15	7s16	3s31	3n12	1n17	23n32	0n 3	10s33	1s31	20n45	0n16	0n45	0n41	6s57	1n45	26s 0	10s44	3n20	3n40	6n58	13n56	1s19
T 2	5 21	27 4	5 8	7 30	3 36	2 42	1 16	23 34	0 4	10 36	1 31	20 44	0 17	0 44	0 41	6 58	1 45	26 1	10 44	3 19	3 39	6 54	13 55	1 20
W 3	4 58	24 20	4 47	7 41	3 41	2 11	1 15	23 36	0 5	10 39	1 31	20 43	0 17	0 42	0 41	6 58	1 45	26 1	10 44	3 17	3 38	6 51	13 55	1 20
T 4	4 35	20 35	4 14	7 50	3 45	1 40	1 13	23 38	0 6	10 42	1 31	20 42	0 17	0 41	0 41	6 59	1 45	26 1	10 44	3 16	3 36	6 48	13 54	1 20
F 5	4 12	16 3	3 30	7 55	3 48	1 9	1 12	23 39	0 8	10 44	1 31	20 40	0 17	0 39	0 41	7 0	1 45	26 1	10 44	3 15	3 35	6 44	13 53	1 20
S 6	3 49	10 56	2 37	7 57	3 50	0 38	1 11	23 41	0 9	10 47	1 31	20 39	0 17	0 38	0 41	7 1	1 45	26 2	10 44	3 14	3 34	6 41	13 53	1 20
S 7	3 26	5 28	1 38	7 55	3 51	0 7	1 9	23 42	0 10	10 50	1 31	20 38	0 17	0 36	0 41	7 1	1 45	26 2	10 43	3 13	3 33	6 37	13 52	1 20
M 8	3 2	0s13	0 34	7 50	3 50	0s24	1 8	23 43	0 11	10 53	1 31	20 37	0 17	0 35	0 41	7 2	1 45	26 2	10 43	3 13	3 31	6 34	13 51	1 21
T 9	2 39	5 54	0s31	7 40	3 49	0 55	1 7	23 44	0 13	10 55	1 31	20 36	0 17	0 33	0 41	7 3	1 45	26 2	10 43	3 13	3 30	6 31	13 51	1 21
W10	2 15	11 25	1 36	7 25	3 45	1 26	1 5	23 45	0 14	10 58	1 31	20 35	0 17	0 32	0 41	7 4	1 45	26 3	10 43	3 13	3 29	6 27	13 50	1 21
T 11	1 52	16 35	2 37	7 6	3 40	1 57	1 3	23 46	0 15	11 0	1 31	20 34	0 18	0 30	0 41	7 5	1 45	26 3	10 43	3 13	3 28	6 24	13 49	1 21
F 12	1 28	21 10	3 32	6 43	3 34	2 28	1 2	23 47	0 17	11 3	1 31	20 33	0 18	0 29	0 41	7 5	1 45	26 3	10 43	3 14	3 26	6 21	13 49	1 21
S 13	1 5	24 54	4 18	6 15	3 25	2 59	1 0	23 48	0 18	11 5	1 31	20 32	0 18	0 27	0 41	7 6	1 45	26 3	10 43	3 14	3 25	6 17	13 48	1 21
S 14	0 41	27 31	4 52	5 43	3 15	3 30	0 58	23 48	0 19	11 8	1 31	20 31	0 18	0 26	0 41	7 7	1 45	26 3	10 43	3 15	3 24	6 14	13 47	1 22
M15	0 18	28 44	5 13	5 7	3 2	4 1	0 57	23 49	0 21	11 10	1 31	20 30	0 18	0 24	0 41	7 8	1 45	26 3	10 42	3 15	3 23	6 10	13 46	1 22
T 16	0s 6	28 17	5 17	4 28	2 48	4 32	0 55	23 49	0 22	11 12	1 31	20 29	0 18	0 23	0 41	7 9	1 45	26 4	10 42	3 15	3 21	6 7	13 45	1 22
W17	0 29	26 6	5 3	3 45	2 32	5 3	0 53	23 50	0 24	11 15	1 30	20 28	0 18	0 21	0 41	7 9	1 45	26 4	10 42	3 14	3 20	6 4	13 45	1 22
T 18	0 53	22 13	4 31	3 1	2 14	5 33	0 51	23 50	0 25	11 17	1 30	20 27	0 18	0 20	0 41	7 10	1 45	26 4	10 42	3 14	3 19	6 0	13 44	1 22
F 19	1 17	16 53	3 40	2 16	1 56	6 4	0 49	23 50	0 27	11 19	1 30	20 26	0 18	0 18	0 41	7 11	1 45	26 4	10 42	3 14	3 18	5 57	13 43	1 22
S 20	1 40	10 26	2 33	1 32	1 36	6 34	0 47	23 50	0 28	11 21	1 30	20 25	0 19	0 17	0 41	7 12	1 45	26 4	10 42	3 14	3 16	5 53	13 42	1 22
S 21	2 4	3 19	1 15	0 48	1 16	7 4	0 45	23 50	0 29	11 23	1 30	20 24	0 19	0 15	0 41	7 13	1 45	26 4	10 42	3 14	3 15	5 50	13 41	1 23
M22	2 27	4n 0	0n 9	0 7	0 55	7 35	0 43	23 50	0 31	11 25	1 30	20 23	0 19	0 14	0 41	7 13	1 45	26 4	10 41	3 14	3 14	5 47	13 40	1 23
T 23	2 51	11 2	1 31	0n30	0 35	8 4	0 41	23 50	0 33	11 27	1 30	20 22	0 19	0 12	0 41	7 14	1 45	26 4	10 41	3 14	3 13	5 43	13 39	1 23
W24	3 15	17 20	2 46	1 4	0 15	8 34	0 39	23 49	0 34	11 29	1 30	20 22	0 19	0 11	0 41	7 15	1 45	26 4	10 41	3 14	3 11	5 40	13 39	1 23
T 25	3 38	22 29	3 48	1 32	0n 4	9 4	0 36	23 49	0 36	11 30	1 29	20 21	0 19	0 9	0 41	7 16	1 45	26 4	10 41	3 14	3 10	5 37	13 38	1 23
F 26	4 2	26 12	4 35	1 56	0 22	9 33	0 34	23 49	0 37	11 32	1 29	20 20	0 19	0 8	0 41	7 17	1 45	26 5	10 41	3 14	3 9	5 33	13 37	1 23
S 27	4 25	28 18	5 4	2 13	0 39	10 2	0 32	23 48	0 39	11 34	1 29	20 19	0 19	0 6	0 41	7 17	1 45	26 5	10 41	3 13	3 8	5 30	13 36	1 23
S 28	4 48	28 45	5 17	2 25	0 54	10 31	0 30	23 48	0 40	11 35	1 29	20 18	0 20	0 5	0 41	7 18	1 45	26 5	10 40	3 13	3 6	5 26	13 35	1 24
M29	5 12	27 38	5 14	2 32	1 8	11 0	0 27	23 47	0 42	11 37	1 29	20 18	0 20	0 3	0 41	7 19	1 45	26 5	10 40	3 13	3 5	5 23	13 34	1 24
T 30	5s35	25n12	4n56	2n33	1n20	11s28	0n25	23n47	0n44	11s38	1s29	20n17	0n20	0n 2	0n41	7s20	1n45	26s 5	10s40	3n13	3n 4	5n20	13n33	1s24

Julian Day Number = 2195395.5, Delta T = 10m26s
Ecliptic obliquity = 23°31'59, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'32, Lahiri = 14°04'33 Julian Calendar 1 Sept. 1298 == Greg. Calendar 8 Sept. 1298

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

OCTOBER 1298 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	1 7 54	15♎ 5'23	11♌26	27♍16	2♏14	11♋42	3°R26	1♌19	1♎34	22♎59	16°R32	8♈ 6	7♈38	20♍18	9°R57	W 1
T 2	1 11 50	16° 5'04	23°22	28° 0	3°29	12° 8	3♓22	1°23	1°38	23° 1	16♒31	8° 7	7°35	20°25	9♉55	T 2
F 3	1 15 47	17° 4'48	5♍11	28°53	4°43	12°34	3°18	1°27	1°41	23° 3	16°31	8° 8	7°32	20°31	9°52	F 3
S 4	1 19 43	18° 4'33	16°59	29°52	5°58	12°59	3°15	1°30	1°45	23° 5	16°30	8° 9	7°29	20°38	9°49	S 4
S 5	1 23 40	19° 4'20	28°47	0♎58	7°13	13°24	3°11	1°34	1°49	23° 8	16°30	8°10	7°25	20°45	9°46	S 5
M 6	1 27 36	20° 4'10	10♎38	2° 9	8°27	13°48	3° 8	1°37	1°52	23°10	16°29	8°R10	7°22	20°51	9°43	M 6
T 7	1 31 33	21° 4'02	22°36	3°25	9°42	14°13	3° 5	1°41	1°56	23°12	16°29	8° 9	7°19	20°58	9°41	T 7
W 8	1 35 29	22° 3'55	4♏41	4°46	10°57	14°36	3° 2	1°44	2° 0	23°14	16°29	8° 8	7°16	21° 5	9°38	W 8
T 9	1 39 26	23° 3'51	16°56	6°10	12°11	15° 0	3° 0	1°47	2° 3	23°17	16°28	8° 6	7°13	21°11	9°35	T 9
F 10	1 43 23	24° 3'48	29°22	7°37	13°26	15°23	2°57	1°50	2° 7	23°19	16°28	8° 4	7°10	21°18	9°32	F 10
S 11	1 47 19	25° 3'48	12♐ 1	9° 6	14°40	15°45	2°55	1°53	2°11	23°21	16°28	8° 1	7° 6	21°25	9°29	S 11
S 12	1 51 16	26° 3'49	24°53	10°38	15°55	16° 7	2°53	1°56	2°14	23°23	16°27	7°59	7° 3	21°31	9°26	S 12
M13	1 55 12	27° 3'51	8♑ 2	12°11	17°10	16°29	2°51	1°58	2°18	23°26	16°27	7°57	7° 0	21°38	9°23	M13
T 14	1 59 9	28° 3'56	21°27	13°45	18°24	16°50	2°50	2° 1	2°21	23°28	16°27	7°56	6°57	21°45	9°20	T 14
W15	2 3 5	29° 4'02	5♒12	15°21	19°39	17°11	2°48	2° 3	2°25	23°30	16°27	7°D56	6°54	21°51	9°17	W15
T 16	2 7 2	0♏ 4'09	19°14	16°57	20°54	17°32	2°47	2° 6	2°28	23°32	16°26	7°57	6°51	21°58	9°14	T 16
F 17	2 10 58	1° 4'18	3♓36	18°34	22° 8	17°52	2°46	2° 8	2°32	23°34	16°26	7°58	6°47	22° 5	9°11	F 17
S 18	2 14 55	2° 4'29	18°12	20°11	23°23	18°11	2°45	2°10	2°35	23°37	16°26	8° 0	6°44	22°11	9° 8	S 18
S 19	2 18 52	3° 4'41	3♈ 0	21°48	24°37	18°30	2°45	2°12	2°38	23°39	16°26	8°R 1	6°41	22°18	9° 4	S 19
M20	2 22 48	4° 4'54	17°54	23°26	25°52	18°49	2°44	2°14	2°42	23°41	16°26	8° 0	6°38	22°24	9° 1	M20
T 21	2 26 45	5° 5'10	2♉45	25° 4	27° 7	19° 7	2°D44	2°16	2°45	23°43	16°26	7°59	6°35	22°31	8°58	T 21
W22	2 30 41	6° 5'27	17°26	26°42	28°21	19°25	2°44	2°18	2°48	23°46	16°26	7°56	6°31	22°38	8°55	W22
T 23	2 34 38	7° 5'46	1♊49	28°19	29°36	19°42	2°44	2°19	2°52	23°48	16°D26	7°52	6°28	22°44	8°52	T 23
F 24	2 38 34	8° 6'07	15°50	29°57	0♐50	19°58	2°45	2°21	2°55	23°50	16°26	7°47	6°25	22°51	8°49	F 24
S 25	2 42 31	9° 6'30	29°25	1♏35	2° 5	20°14	2°45	2°22	2°58	23°52	16°26	7°42	6°22	22°58	8°46	S 25
S 26	2 46 27	10° 6'55	12♋34	3°12	3°19	20°30	2°46	2°24	3° 1	23°54	16°26	7°38	6°19	23° 4	8°43	S 26
M27	2 50 24	11° 7'22	25°19	4°49	4°34	20°45	2°47	2°25	3° 5	23°57	16°26	7°36	6°16	23°11	8°40	M27
T 28	2 54 21	12° 7'50	7♌42	6°26	5°48	20°59	2°49	2°26	3° 8	23°59	16°26	7°D34	6°12	23°18	8°36	T 28
W29	2 58 17	13° 8'21	19°49	8° 2	7° 3	21°13	2°50	2°27	3°11	24° 1	16°26	7°34	6° 9	23°24	8°33	W29
T 30	3 2 14	14° 8'53	1♍44	9°39	8°17	21°27	2°52	2°28	3°14	24° 3	16°26	7°36	6° 6	23°31	8°30	T 30
F 31	3 6 10	15♏ 9'27	13♍33	11♏15	9♐32	21♋39	2♓54	2♌29	3♎17	24♎ 5	16♒27	7♈37	6♈ 3	23♍38	8♉27	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	5s58	21n40	4n26	2n28	1n30	11s57	0n23	23n46	0n45	11s40	1s29	20n16	0n20	0n 0	0n41	7s21	1n45	26s 5	10s40	3n14	3n 2	5n16	13n32	1s24
T 2	6 21	17 18	3 44	2 19	1 39	12 24	0 20	23 45	0 47	11 41	1 28	20 15	0 20	0s 1	0 41	7 22	1 45	26 5	10 40	3 14	3 1	5 13	13 31	1 24
F 3	6 44	12 20	2 53	2 5	1 47	12 52	0 18	23 45	0 49	11 42	1 28	20 15	0 20	0 3	0 41	7 22	1 45	26 5	10 39	3 14	3 0	5 9	13 30	1 24
S 4	7 7	6 56	1 55	1 47	1 53	13 19	0 15	23 44	0 50	11 43	1 28	20 14	0 20	0 4	0 41	7 23	1 45	26 5	10 39	3 15	2 59	5 6	13 29	1 24
S 5	7 30	1 17	0 52	1 25	1 58	13 46	0 13	23 43	0 52	11 44	1 28	20 13	0 21	0 6	0 41	7 24	1 45	26 5	10 39	3 15	2 57	5 2	13 28	1 24
M 6	7 53	4s26	0s14	1 0	2 1	14 13	0 10	23 42	0 54	11 45	1 28	20 13	0 21	0 7	0 41	7 25	1 45	26 5	10 39	3 15	2 56	4 59	13 27	1 25
T 7	8 15	10 3	1 19	0 31	2 4	14 39	0 8	23 42	0 56	11 46	1 27	20 12	0 21	0 9	0 41	7 26	1 45	26 4	10 39	3 15	2 55	4 56	13 26	1 25
W 8	8 38	15 21	2 22	0 1	2 5	15 5	0 5	23 41	0 57	11 47	1 27	20 12	0 21	0 10	0 41	7 27	1 45	26 4	10 38	3 14	2 54	4 52	13 25	1 25
T 9	9 0	20 8	3 19	0s32	2 5	15 31	0 3	23 40	0 59	11 48	1 27	20 11	0 21	0 11	0 41	7 27	1 45	26 4	10 38	3 14	2 52	4 49	13 24	1 25
F 10	9 22	24 6	4 7	1 7	2 5	15 56	0s 0	23 39	1 1	11 49	1 27	20 10	0 21	0 13	0 41	7 28	1 45	26 4	10 38	3 13	2 51	4 45	13 23	1 25
S 11	9 44	27 0	4 44	1 44	2 4	16 21	0 3	23 38	1 3	11 49	1 27	20 10	0 21	0 14	0 41	7 29	1 45	26 4	10 38	3 12	2 50	4 42	13 22	1 25
S 12	10 6	28 33	5 7	2 21	2 2	16 45	0 5	23 38	1 5	11 50	1 27	20 9	0 21	0 16	0 41	7 30	1 45	26 4	10 38	3 11	2 49	4 39	13 21	1 25
M13	10 28	28 32	5 16	3 0	1 59	17 9	0 8	23 37	1 7	11 50	1 26	20 9	0 22	0 17	0 41	7 31	1 45	26 4	10 37	3 10	2 47	4 35	13 20	1 25
T 14	10 50	26 52	5 7	3 40	1 56	17 32	0 10	23 36	1 9	11 51	1 26	20 8	0 22	0 18	0 41	7 32	1 45	26 4	10 37	3 10	2 46	4 32	13 18	1 26
W15	11 11	23 35	4 41	4 20	1 52	17 55	0 13	23 35	1 11	11 51	1 26	20 8	0 22	0 20	0 41	7 32	1 45	26 4	10 37	3 10	2 45	4 28	13 17	1 26
T 16	11 32	18 52	3 57	5 1	1 48	18 18	0 16	23 35	1 13	11 51	1 26	20 8	0 22	0 21	0 41	7 33	1 45	26 4	10 37	3 10	2 44	4 25	13 16	1 26
F 17	11 54	13 0	2 58	5 43	1 43	18 40	0 18	23 34	1 15	11 51	1 25	20 7	0 22	0 23	0 41	7 34	1 45	26 3	10 37	3 11	2 42	4 22	13 15	1 26
S 18	12 14	6 19	1 47	6 24	1 38	19 2	0 21	23 33	1 17	11 51	1 25	20 7	0 22	0 24	0 41	7 35	1 45	26 3	10 36	3 11	2 41	4 18	13 14	1 26
S 19	12 35	0n47	0 28	7 5	1 33	19 23	0 24	23 33	1 19	11 51	1 25	20 7	0 22	0 25	0 41	7 36	1 45	26 3	10 36	3 11	2 40	4 15	13 13	1 26
M20	12 56	7 53	0n54	7 47	1 28	19 43	0 26	23 32	1 21	11 51	1 25	20 6	0 23	0 27	0 41	7 36	1 45	26 3	10 36	3 11	2 39	4 11	13 12	1 26
T 21	13 16	14 32	2 12	8 28	1 22	20 3	0 29	23 32	1 23	11 51	1 25	20 6	0 23	0 28	0 41	7 37	1 45	26 3	10 36	3 11	2 37	4 8	13 11	1 26
W22	13 36	20 17	3 20	9 9	1 16	20 23	0 31	23 31	1 25	11 51	1 24	20 6	0 23	0 29	0 41	7 38	1 45	26 3	10 36	3 9	2 36	4 4	13 10	1 26
T 23	13 56	24 45	4 13	9 50	1 10	20 42	0 34	23 31	1 27	11 51	1 24	20 5	0 23	0 31	0 41	7 39	1 45	26 2	10 35	3 8	2 35	4 1	13 9	1 26
F 24	14 16	27 35	4 50	10 30	1 4	21 0	0 36	23 31	1 29	11 50	1 24	20 5	0 23	0 32	0 41	7 40	1 45	26 2	10 35	3 6	2 33	3 58	13 8	1 27
S 25	14 35	28 41	5 10	11 11	0 57	21 18	0 39	23 30	1 31	11 50	1 24	20 5	0 23	0 33	0 42	7 40	1 45	26 2	10 35	3 4	2 32	3 54	13 7	1 27
S 26	14 54	28 6	5 12	11 50	0 51	21 35	0 42	23 30	1 34	11 49	1 24	20 5	0 23	0 34	0 42	7 41	1 45	26 2	10 35	3 3	2 31	3 51	13 5	1 27
M27	15 13	26 2	4 58	12 29	0 44	21 51	0 44	23 30	1 36	11 49	1 23	20 5	0 24	0 36	0 42	7 42	1 45	26 1	10 34	3 1	2 30	3 47	13 4	1 27
T 28	15 32	22 46	4 31	13 8	0 37	22 7	0 47	23 30	1 38	11 48	1 23	20 5	0 24	0 37	0 42	7 43	1 45	26 1	10 34	3 1	2 28	3 44	13 3	1 27
W29	15 51	18 36	3 52	13 46	0 31	22 23	0 49	23 30	1 40	11 47	1 23	20 5	0 24	0 38	0 42	7 44	1 45	26 1	10 34	3 1	2 27	3 40	13 2	1 27
T 30	16 9	13 45	3 4	14 23	0 24	22 37	0 52	23 30	1 43	11 47	1 23	20 5	0 24	0 39	0 42	7 44	1 45	26 1	10 34	3 1	2 26	3 37	13 1	1 27
F 31	16s27	8n28	2n 8	14s59	0n17	22s51	0s54	23n31	1n45	11s46	1s22	20n 5	0n24	0s41	0n42	7s45	1n45	26s 0	10s34	3n 2	2n25	3n33	13n 0	1s27

Julian Day Number = 2195425.5, Delta T = 10m26s
Ecliptic obliquity = 23°31'59, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'37, Lahiri = 14°04'37 Julian Calendar 1 Oct. 1298 == Greg. Calendar 8 Oct. 1298

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

NOVEMBER 1298 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 10 7	16♏10'03	25♍20	12♏51	10♐46	21♋51	2♓56	2♌29	3♎20	24♎ 7	16♒27	7♈39	6♈ 0	23♍44	8°R24	S 1
S 2	3 14 3	17°10'40	7♎10	14°26	12° 1	22° 3	2°58	2°30	3°23	24° 9	16°27	7°R40	5°57	23°51	8♉21	S 2
M 3	3 18 0	18°11'20	19° 6	16° 2	13°15	22°14	3° 0	2°30	3°26	24°11	16°27	7°39	5°53	23°58	8°18	M 3
T 4	3 21 56	19°12'00	1♏13	17°37	14°30	22°24	3° 3	2°30	3°29	24°14	16°28	7°36	5°50	24° 4	8°15	T 4
W 5	3 25 53	20°12'43	13°32	19°12	15°44	22°33	3° 6	2°31	3°32	24°16	16°28	7°31	5°47	24°11	8°12	W 5
T 6	3 29 50	21°13'27	26° 4	20°47	16°59	22°42	3° 9	2°R31	3°35	24°18	16°28	7°25	5°44	24°18	8° 9	T 6
F 7	3 33 46	22°14'12	8♐50	22°22	18°13	22°50	3°12	2°31	3°38	24°20	16°29	7°17	5°41	24°24	8° 6	F 7
S 8	3 37 43	23°14'59	21°49	23°56	19°28	22°57	3°16	2°30	3°40	24°22	16°29	7° 8	5°37	24°31	8° 3	S 8
S 9	3 41 39	24°15'46	5♑ 1	25°31	20°42	23° 4	3°19	2°30	3°43	24°24	16°29	7° 0	5°34	24°37	8° 0	S 9
M10	3 45 36	25°16'35	18°25	27° 5	21°57	23°10	3°23	2°30	3°46	24°26	16°30	6°53	5°31	24°44	7°57	M10
T 11	3 49 32	26°17'25	2♒ 0	28°39	23°11	23°15	3°27	2°29	3°49	24°28	16°30	6°48	5°28	24°51	7°54	T 11
W12	3 53 29	27°18'16	15°46	0♐13	24°25	23°20	3°31	2°29	3°51	24°30	16°31	6°45	5°25	24°57	7°51	W12
T 13	3 57 25	28°19'08	29°42	1°47	25°40	23°24	3°36	2°28	3°54	24°32	16°32	6°D45	5°22	25° 4	7°48	T 13
F 14	4 1 22	29°20'00	13♓48	3°21	26°54	23°27	3°40	2°27	3°56	24°34	16°32	6°46	5°18	25°11	7°45	F 14
S 15	4 5 19	0♐20'53	28° 3	4°55	28° 9	23°29	3°45	2°26	3°59	24°36	16°33	6°46	5°15	25°17	7°42	S 15
S 16	4 9 15	1°21'47	12♈25	6°29	29°23	23°30	3°50	2°25	4° 1	24°37	16°33	6°R47	5°12	25°24	7°40	S 16
M17	4 13 12	2°22'42	26°52	8° 3	0♑37	23°R31	3°55	2°24	4° 4	24°39	16°34	6°45	5° 9	25°31	7°37	M17
T 18	4 17 8	3°23'38	11♉19	9°36	1°52	23°31	4° 1	2°23	4° 6	24°41	16°35	6°41	5° 6	25°37	7°34	T 18
W19	4 21 5	4°24'35	25°40	11°10	3° 6	23°30	4° 6	2°21	4° 8	24°43	16°35	6°34	5° 3	25°44	7°31	W19
T 20	4 25 1	5°25'33	9♊49	12°44	4°20	23°28	4°12	2°20	4°11	24°45	16°36	6°25	4°59	25°51	7°29	T 20
F 21	4 28 58	6°26'31	23°42	14°18	5°34	23°26	4°18	2°18	4°13	24°47	16°37	6°14	4°56	25°57	7°26	F 21
S 22	4 32 54	7°27'31	7♋14	15°52	6°49	23°22	4°24	2°16	4°15	24°48	16°38	6° 4	4°53	26° 4	7°24	S 22
S 23	4 36 51	8°28'32	20°23	17°26	8° 3	23°18	4°30	2°15	4°17	24°50	16°38	5°54	4°50	26°11	7°21	S 23
M24	4 40 48	9°29'34	3♌ 9	19° 0	9°17	23°13	4°36	2°13	4°20	24°52	16°39	5°46	4°47	26°17	7°18	M24
T 25	4 44 44	10°30'36	15°35	20°33	10°31	23° 7	4°43	2°11	4°22	24°54	16°40	5°40	4°43	26°24	7°16	T 25
W26	4 48 41	11°31'40	27°44	22° 7	11°45	23° 0	4°50	2° 9	4°24	24°55	16°41	5°37	4°40	26°30	7°14	W26
T 27	4 52 37	12°32'45	9♍40	23°41	12°59	22°53	4°56	2° 6	4°26	24°57	16°42	5°D36	4°37	26°37	7°11	T 27
F 28	4 56 34	13°33'50	21°29	25°15	14°13	22°44	5° 3	2° 4	4°27	24°59	16°43	5°36	4°34	26°44	7° 9	F 28
S 29	5 0 30	14°34'57	3♎16	26°48	15°27	22°35	5°11	2° 2	4°29	25° 0	16°44	5°R36	4°31	26°50	7° 6	S 29
S 30	5 4 27	15♐36'04	15♎ 7	28♐22	16♑42	22♋25	5♓18	1♌59	4♎31	25♎ 2	16♒44	5♈36	4♈28	26♍57	7♉ 4	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s44	2n53	1n 7	15s35	0n10	23s 5	0s56	23n31	1n47	11s45	1s22	20n 4	0n24	0s42	0n42	7s46	1n45	26s 0	10s33	3n 3	2n23	3n30	12n59	1s27
S 2	17 2	2s49	0 3	16 11	0 4	23 17	0 59	23 32	1 50	11 44	1 22	20 5	0 24	0 43	0 42	7 47	1 45	26 0	10 33	3 3	2 22	3 27	12 58	1 27
M 3	17 19	8 28	1s 2	16 45	0s 3	23 29	1 1	23 32	1 52	11 43	1 22	20 5	0 25	0 44	0 42	7 47	1 45	26 0	10 33	3 3	2 21	3 23	12 57	1 27
T 4	17 36	13 53	2 4	17 19	0 10	23 41	1 3	23 33	1 55	11 41	1 21	20 5	0 25	0 45	0 42	7 48	1 45	25 59	10 33	3 2	2 20	3 20	12 56	1 27
W 5	17 52	18 51	3 2	17 51	0 16	23 51	1 6	23 34	1 57	11 40	1 21	20 5	0 25	0 46	0 42	7 49	1 45	25 59	10 32	3 0	2 18	3 16	12 55	1 28
T 6	18 8	23 6	3 52	18 23	0 23	24 1	1 8	23 35	2 0	11 39	1 21	20 5	0 25	0 47	0 42	7 50	1 45	25 59	10 32	2 57	2 17	3 13	12 54	1 28
F 7	18 24	26 19	4 31	18 54	0 29	24 10	1 10	23 36	2 2	11 38	1 21	20 5	0 25	0 49	0 42	7 50	1 45	25 58	10 32	2 54	2 16	3 9	12 53	1 28
S 8	18 39	28 13	4 57	19 24	0 36	24 19	1 12	23 37	2 5	11 36	1 21	20 5	0 25	0 50	0 42	7 51	1 45	25 58	10 32	2 51	2 15	3 6	12 52	1 28
S 9	18 55	28 33	5 7	19 54	0 42	24 27	1 15	23 39	2 7	11 34	1 20	20 5	0 25	0 51	0 42	7 52	1 45	25 58	10 32	2 47	2 13	3 3	12 51	1 28
M10	19 9	27 14	5 1	20 22	0 48	24 34	1 17	23 40	2 10	11 33	1 20	20 6	0 26	0 52	0 42	7 52	1 45	25 57	10 31	2 45	2 12	2 59	12 50	1 28
T 11	19 24	24 19	4 39	20 49	0 54	24 40	1 19	23 42	2 12	11 31	1 20	20 6	0 26	0 53	0 42	7 53	1 45	25 57	10 31	2 43	2 11	2 56	12 49	1 28
W12	19 38	19 59	3 59	21 15	1 0	24 45	1 21	23 44	2 15	11 29	1 20	20 6	0 26	0 54	0 42	7 54	1 45	25 56	10 31	2 42	2 10	2 52	12 48	1 28
T 13	19 52	14 31	3 6	21 41	1 6	24 50	1 23	23 46	2 18	11 28	1 19	20 6	0 26	0 55	0 42	7 54	1 45	25 56	10 31	2 41	2 8	2 49	12 47	1 28
F 14	20 5	8 15	2 0	22 5	1 12	24 54	1 25	23 48	2 20	11 26	1 19	20 7	0 26	0 56	0 42	7 55	1 45	25 56	10 30	2 42	2 7	2 45	12 46	1 28
S 15	20 18	1 30	0 47	22 28	1 17	24 58	1 26	23 50	2 23	11 24	1 19	20 7	0 26	0 57	0 42	7 56	1 45	25 55	10 30	2 42	2 6	2 42	12 45	1 28
S 16	20 31	5n24	0n30	22 50	1 23	25 0	1 28	23 52	2 26	11 22	1 19	20 8	0 26	0 58	0 42	7 56	1 45	25 55	10 30	2 42	2 4	2 38	12 44	1 28
M17	20 43	12 2	1 46	23 11	1 28	25 2	1 30	23 55	2 29	11 20	1 19	20 8	0 27	0 59	0 42	7 57	1 46	25 55	10 30	2 41	2 3	2 35	12 43	1 28
T 18	20 55	18 2	2 54	23 30	1 33	25 3	1 32	23 58	2 31	11 18	1 18	20 8	0 27	1 0	0 42	7 58	1 46	25 54	10 30	2 40	2 2	2 32	12 42	1 28
W19	21 6	22 59	3 51	23 49	1 37	25 3	1 33	24 1	2 34	11 15	1 18	20 9	0 27	1 1	0 42	7 58	1 46	25 54	10 29	2 37	2 1	2 28	12 41	1 28
T 20	21 17	26 30	4 32	24 6	1 42	25 2	1 35	24 4	2 37	11 13	1 18	20 9	0 27	1 1	0 42	7 59	1 46	25 53	10 29	2 33	1 59	2 25	12 40	1 28
F 21	21 28	28 19	4 57	24 22	1 46	25 1	1 36	24 7	2 40	11 11	1 18	20 10	0 27	1 2	0 42	8 0	1 46	25 53	10 29	2 29	1 58	2 21	12 39	1 28
S 22	21 38	28 24	5 4	24 36	1 50	24 59	1 38	24 10	2 42	11 8	1 18	20 10	0 27	1 3	0 42	8 0	1 46	25 52	10 29	2 25	1 57	2 18	12 38	1 28
S 23	21 48	26 50	4 54	24 50	1 54	24 56	1 39	24 14	2 45	11 6	1 17	20 11	0 27	1 4	0 42	8 1	1 46	25 52	10 29	2 21	1 56	2 14	12 37	1 29
M24	21 58	23 54	4 30	25 2	1 58	24 53	1 41	24 17	2 48	11 3	1 17	20 11	0 28	1 5	0 42	8 1	1 46	25 52	10 28	2 18	1 54	2 11	12 37	1 29
T 25	22 7	19 57	3 54	25 12	2 1	24 48	1 42	24 21	2 51	11 1	1 17	20 12	0 28	1 6	0 42	8 2	1 46	25 51	10 28	2 16	1 53	2 7	12 36	1 29
W26	22 15	15 15	3 8	25 21	2 4	24 43	1 43	24 25	2 54	10 58	1 17	20 13	0 28	1 6	0 42	8 3	1 46	25 51	10 28	2 14	1 52	2 4	12 35	1 29
T 27	22 23	10 2	2 14	25 29	2 6	24 37	1 44	24 29	2 56	10 55	1 16	20 13	0 28	1 7	0 42	8 3	1 46	25 50	10 28	2 14	1 51	2 0	12 34	1 29
F 28	22 31	4 32	1 15	25 35	2 9	24 31	1 45	24 33	2 59	10 53	1 16	20 14	0 28	1 8	0 42	8 4	1 46	25 50	10 28	2 14	1 49	1 57	12 33	1 29
S 29	22 38	1s 7	0 12	25 40	2 10	24 23	1 46	24 37	3 2	10 50	1 16	20 15	0 28	1 9	0 42	8 4	1 46	25 49	10 27	2 14	1 48	1 54	12 32	1 29
S 30	22s45	6s45	0s50	25s43	2s12	24s15	1s47	24n42	3n 5	10s47	1s16	20n15	0n28	1s 9	0n42	8s 5	1n46	25s49	10s27	2n14	1n47	1n50	12n32	1s29

Julian Day Number = 2195456.5, Delta T = 10m26s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'41, Lahiri = 14°04'41 Julian Calendar 1 Nov. 1298 == Greg. Calendar 8 Nov. 1298

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ASTRODIENST EPHEMERIS for the year 1298
geocentric

DECEMBER 1298 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	5 8 23	16♐37'12	27♎ 7	29♐55	17♑56	22°R14	5♓26	1°R56	4♎33	25♎ 3	16♒45	5°R34	4♈24	27♍ 4	7°R 2	M 1
T 2	5 12 20	17°38'21	9♏21	1♑28	19°10	22♋ 2	5°33	1♌54	4°35	25° 5	16°46	5♈29	4°21	27°10	7♉ 0	T 2
W 3	5 16 17	18°39'31	21°51	3° 1	20°24	21°50	5°41	1°51	4°36	25° 6	16°48	5°21	4°18	27°17	6°58	W 3
T 4	5 20 13	19°40'41	4♐39	4°33	21°38	21°36	5°49	1°48	4°38	25° 8	16°49	5°11	4°15	27°24	6°56	T 4
F 5	5 24 10	20°41'52	17°45	6° 5	22°51	21°22	5°57	1°45	4°39	25° 9	16°50	4°59	4°12	27°30	6°53	F 5
S 6	5 28 6	21°43'03	1♑ 9	7°36	24° 5	21° 7	6° 5	1°42	4°41	25°11	16°51	4°46	4° 9	27°37	6°51	S 6
S 7	5 32 3	22°44'15	14°47	9° 6	25°19	20°51	6°14	1°39	4°42	25°12	16°52	4°33	4° 5	27°44	6°50	S 7
M 8	5 35 59	23°45'27	28°36	10°36	26°33	20°35	6°22	1°35	4°44	25°14	16°53	4°22	4° 2	27°50	6°48	M 8
T 9	5 39 56	24°46'39	12♒33	12° 3	27°47	20°18	6°31	1°32	4°45	25°15	16°54	4°14	3°59	27°57	6°46	T 9
W10	5 43 53	25°47'51	26°35	13°30	29° 1	20° 0	6°40	1°28	4°46	25°16	16°55	4° 8	3°56	28° 4	6°44	W10
T 11	5 47 49	26°49'02	10♓38	14°54	0♒14	19°41	6°49	1°25	4°48	25°18	16°56	4° 6	3°53	28°10	6°42	T 11
F 12	5 51 46	27°50'14	24°43	16°16	1°28	19°22	6°58	1°21	4°49	25°19	16°58	4° 5	3°49	28°17	6°41	F 12
S 13	5 55 42	28°51'25	8♈47	17°36	2°42	19° 2	7° 7	1°18	4°50	25°20	16°59	4° 5	3°46	28°23	6°39	S 13
S 14	5 59 39	29°52'36	22°51	18°52	3°55	18°42	7°17	1°14	4°51	25°21	17° 0	4° 4	3°43	28°30	6°37	S 14
M15	6 3 35	0♑53'47	6♉53	20° 5	5° 9	18°21	7°26	1°10	4°52	25°23	17° 1	4° 1	3°40	28°37	6°36	M15
T 16	6 7 32	1°54'58	20°52	21°14	6°22	18° 0	7°36	1° 6	4°53	25°24	17° 3	3°56	3°37	28°43	6°35	T 16
W17	6 11 28	2°56'08	4♊45	22°17	7°36	17°38	7°46	1° 2	4°54	25°25	17° 4	3°47	3°34	28°50	6°33	W17
T 18	6 15 25	3°57'18	18°30	23°15	8°49	17°16	7°56	0°58	4°55	25°26	17° 5	3°36	3°30	28°57	6°32	T 18
F 19	6 19 22	4°58'29	2♋ 2	24° 6	10° 3	16°53	8° 6	0°54	4°56	25°27	17° 7	3°22	3°27	29° 3	6°31	F 19
S 20	6 23 18	5°59'39	15°18	24°50	11°16	16°30	8°16	0°50	4°56	25°28	17° 8	3° 9	3°24	29°10	6°29	S 20
S 21	6 27 15	7° 0'48	28°17	25°25	12°29	16° 7	8°26	0°45	4°57	25°29	17° 9	2°56	3°21	29°17	6°28	S 21
M22	6 31 11	8° 1'58	10♌58	25°51	13°42	15°43	8°36	0°41	4°58	25°30	17°11	2°45	3°18	29°23	6°27	M22
T 23	6 35 8	9° 3'07	23°21	26° 7	14°56	15°20	8°47	0°37	4°58	25°31	17°12	2°37	3°15	29°30	6°26	T 23
W24	6 39 4	10° 4'17	5♍28	26°R12	16° 9	14°56	8°58	0°32	4°59	25°32	17°14	2°32	3°11	29°37	6°25	W24
T 25	6 43 1	11° 5'26	17°25	26° 6	17°22	14°32	9° 8	0°28	4°59	25°33	17°15	2°29	3° 8	29°43	6°24	T 25
F 26	6 46 57	12° 6'35	29°14	25°48	18°35	14° 8	9°19	0°23	5° 0	25°34	17°17	2°D28	3° 5	29°50	6°23	F 26
S 27	6 50 54	13° 7'44	11♎ 1	25°18	19°48	13°44	9°30	0°19	5° 0	25°34	17°18	2°R28	3° 2	29°57	6°23	S 27
S 28	6 54 51	14° 8'52	22°52	24°37	21° 1	13°20	9°41	0°14	5° 0	25°35	17°19	2°28	2°59	0♎ 3	6°22	S 28
M29	6 58 47	15°10'01	4♏53	23°45	22°13	12°56	9°52	0°10	5° 1	25°36	17°21	2°26	2°55	0°10	6°21	M29
T 30	7 2 44	16°11'09	17° 8	22°44	23°26	12°32	10° 4	0° 5	5° 1	25°37	17°22	2°22	2°52	0°16	6°21	T 30
W31	7 6 40	17♑12'17	29♏42	21♑36	24♒39	12♋ 8	10♓15	0♌ 0	5♎ 1	25♎37	17♒24	2♈16	2♈49	0♎23	6♉20	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22s51	12s14	1s52	25s45	2s13	24s 7	1s48	24n46	3n 7	10s44	1s16	20n16	0n29	1s10	0n43	8s 5	1n46	25s48	10s27	2n13	1n45	1n47	12n31	1s29
T 2	22 57	17 20	2 49	25 45	2 14	23 57	1 49	24 51	3 10	10 41	1 15	20 17	0 29	1 11	0 43	8 6	1 46	25 48	10 27	2 11	1 44	1 43	12 30	1 29
W 3	23 3	21 50	3 39	25 44	2 14	23 47	1 49	24 56	3 13	10 38	1 15	20 18	0 29	1 11	0 43	8 6	1 46	25 47	10 27	2 8	1 43	1 40	12 29	1 29
T 4	23 8	25 24	4 20	25 41	2 13	23 36	1 50	25 1	3 16	10 35	1 15	20 19	0 29	1 12	0 43	8 7	1 46	25 47	10 27	2 4	1 42	1 36	12 29	1 29
F 5	23 12	27 44	4 47	25 36	2 13	23 24	1 51	25 6	3 18	10 31	1 15	20 19	0 29	1 12	0 43	8 7	1 46	25 46	10 26	1 59	1 40	1 33	12 28	1 29
S 6	23 16	28 32	5 0	25 30	2 11	23 12	1 51	25 10	3 21	10 28	1 15	20 20	0 29	1 13	0 43	8 8	1 46	25 46	10 26	1 54	1 39	1 29	12 27	1 29
S 7	23 20	27 37	4 56	25 22	2 9	22 59	1 51	25 16	3 24	10 25	1 15	20 21	0 29	1 13	0 43	8 8	1 46	25 45	10 26	1 49	1 38	1 26	12 27	1 29
M 8	23 23	25 0	4 35	25 12	2 6	22 45	1 52	25 21	3 26	10 21	1 14	20 22	0 30	1 14	0 43	8 9	1 46	25 45	10 26	1 45	1 37	1 22	12 26	1 29
T 9	23 26	20 53	3 57	25 1	2 3	22 31	1 52	25 26	3 29	10 18	1 14	20 23	0 30	1 15	0 43	8 9	1 47	25 44	10 26	1 41	1 35	1 19	12 25	1 29
W10	23 28	15 35	3 4	24 49	1 59	22 16	1 52	25 31	3 31	10 15	1 14	20 24	0 30	1 15	0 43	8 10	1 47	25 44	10 26	1 39	1 34	1 16	12 25	1 29
T 11	23 30	9 28	2 1	24 35	1 54	22 0	1 52	25 36	3 33	10 11	1 14	20 25	0 30	1 15	0 43	8 10	1 47	25 43	10 25	1 38	1 33	1 12	12 24	1 29
F 12	23 31	2 52	0 49	24 19	1 48	21 44	1 52	25 41	3 36	10 8	1 14	20 26	0 30	1 16	0 43	8 10	1 47	25 43	10 25	1 38	1 32	1 9	12 24	1 29
S 13	23 32	3n53	0n25	24 3	1 41	21 27	1 52	25 46	3 38	10 4	1 13	20 26	0 30	1 16	0 43	8 11	1 47	25 42	10 25	1 38	1 30	1 5	12 23	1 29
S 14	23 32	10 26	1 37	23 45	1 34	21 9	1 52	25 51	3 40	10 0	1 13	20 27	0 30	1 17	0 43	8 11	1 47	25 42	10 25	1 37	1 29	1 2	12 23	1 29
M15	23 32	16 27	2 44	23 26	1 25	20 51	1 51	25 56	3 42	9 57	1 13	20 28	0 31	1 17	0 43	8 12	1 47	25 41	10 25	1 36	1 28	0 58	12 22	1 29
T 16	23 31	21 35	3 40	23 6	1 16	20 33	1 51	26 2	3 45	9 53	1 13	20 29	0 31	1 17	0 43	8 12	1 47	25 41	10 25	1 34	1 26	0 55	12 22	1 29
W17	23 30	25 29	4 23	22 45	1 5	20 13	1 51	26 6	3 47	9 49	1 13	20 30	0 31	1 18	0 43	8 12	1 47	25 40	10 25	1 31	1 25	0 51	12 21	1 29
T 18	23 28	27 51	4 50	22 24	0 54	19 54	1 50	26 11	3 48	9 45	1 13	20 31	0 31	1 18	0 43	8 13	1 47	25 39	10 24	1 26	1 24	0 48	12 21	1 29
F 19	23 26	28 31	5 0	22 3	0 41	19 33	1 49	26 16	3 50	9 41	1 12	20 32	0 31	1 18	0 43	8 13	1 47	25 39	10 24	1 21	1 23	0 44	12 20	1 29
S 20	23 24	27 30	4 53	21 41	0 27	19 12	1 49	26 21	3 52	9 37	1 12	20 34	0 31	1 19	0 43	8 13	1 47	25 38	10 24	1 15	1 21	0 41	12 20	1 29
S 21	23 21	25 1	4 32	21 20	0 12	18 51	1 48	26 25	3 54	9 33	1 12	20 35	0 31	1 19	0 43	8 14	1 47	25 38	10 24	1 10	1 20	0 37	12 20	1 29
M22	23 17	21 20	3 57	20 59	0n 4	18 29	1 47	26 30	3 55	9 29	1 12	20 36	0 31	1 19	0 43	8 14	1 47	25 37	10 24	1 6	1 19	0 34	12 19	1 29
T 23	23 13	16 48	3 11	20 40	0 21	18 7	1 46	26 34	3 57	9 25	1 12	20 37	0 32	1 19	0 43	8 14	1 47	25 37	10 24	1 3	1 18	0 31	12 19	1 29
W24	23 9	11 40	2 18	20 21	0 39	17 44	1 45	26 38	3 58	9 21	1 12	20 38	0 32	1 19	0 43	8 15	1 47	25 36	10 24	1 1	1 16	0 27	12 19	1 29
T 25	23 4	6 12	1 19	20 4	0 58	17 20	1 44	26 42	3 59	9 17	1 11	20 39	0 32	1 20	0 43	8 15	1 47	25 36	10 24	0 59	1 15	0 24	12 18	1 29
F 26	22 59	0 34	0 17	19 49	1 17	16 56	1 43	26 46	4 1	9 12	1 11	20 40	0 32	1 20	0 43	8 15	1 48	25 35	10 23	0 59	1 14	0 20	12 18	1 29
S 27	22 53	5s 4	0s45	19 36	1 36	16 32	1 41	26 50	4 2	9 8	1 11	20 41	0 32	1 20	0 43	8 15	1 48	25 34	10 23	0 59	1 13	0 17	12 18	1 29
S 28	22 47	10 34	1 46	19 24	1 54	16 7	1 40	26 53	4 3	9 4	1 11	20 42	0 32	1 20	0 43	8 16	1 48	25 34	10 23	0 59	1 11	0 13	12 17	1 29
M29	22 40	15 45	2 43	19 16	2 12	15 42	1 38	26 56	4 3	8 59	1 11	20 43	0 32	1 20	0 44	8 16	1 48	25 33	10 23	0 58	1 10	0 10	12 17	1 29
T 30	22 33	20 25	3 33	19 9	2 30	15 17	1 37	26 59	4 4	8 55	1 11	20 44	0 33	1 20	0 44	8 16	1 48	25 33	10 23	0 57	1 9	0 6	12 17	1 29
W31	22s25	24s19	4s15	19s 4	2n45	14s51	1s35	27n 2	4n 5	8s51	1s11	20n46	0n33	1s20	0n44	8s16	1n48	25s32	10s23	0n54	1n 7	0n 3	12n17	1s29

Julian Day Number = 2195486.5, Delta T = 10m26s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'45, Lahiri = 14°04'45 Julian Calendar 1 Dec. 1298 == Greg. Calendar 8 Dec. 1298

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

JANUARY 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	7 10 37	18♑13'25	12♐39	20°R22	25♒51	11°R45	10♓26	29°R55	5♎ 1	25♎38	17♒26	2°R 7	2♈46	0♎30	6°R20	T 1
F 2	7 14 33	19°14'32	25°59	19♑ 5	27° 4	11♋22	10°38	29♋51	5°R 1	25°38	17°27	1♈55	2°43	0°36	6♉19	F 2
S 3	7 18 30	20°15'38	9♑41	17°48	28°16	10°59	10°50	29°46	5° 1	25°39	17°29	1°43	2°40	0°43	6°19	S 3
S 4	7 22 27	21°16'44	23°43	16°32	29°29	10°36	11° 1	29°41	5° 1	25°40	17°30	1°31	2°36	0°50	6°19	S 4
M 5	7 26 23	22°17'49	7♒59	15°19	0♓41	10°14	11°13	29°36	5° 1	25°40	17°32	1°21	2°33	0°56	6°18	M 5
T 6	7 30 20	23°18'54	22°24	14°13	1°53	9°52	11°25	29°31	5° 1	25°41	17°33	1°13	2°30	1° 3	6°18	T 6
W 7	7 34 16	24°19'57	6♓51	13°13	3° 6	9°31	11°37	29°26	5° 0	25°41	17°35	1° 8	2°27	1°10	6°18	W 7
T 8	7 38 13	25°20'59	21°16	12°21	4°18	9°11	11°49	29°22	5° 0	25°41	17°37	1° 6	2°24	1°16	6°D18	T 8
F 9	7 42 9	26°22'00	5♈34	11°38	5°30	8°50	12° 1	29°17	5° 0	25°42	17°38	1°D 5	2°21	1°23	6°18	F 9
S 10	7 46 6	27°22'59	19°44	11° 3	6°42	8°31	12°14	29°12	4°59	25°42	17°40	1° 6	2°17	1°30	6°18	S 10
S 11	7 50 2	28°23'58	3♉43	10°38	7°53	8°12	12°26	29° 7	4°59	25°42	17°41	1°R 6	2°14	1°36	6°19	S 11
M12	7 53 59	29°24'55	17°33	10°21	9° 5	7°54	12°39	29° 2	4°58	25°43	17°43	1° 4	2°11	1°43	6°19	M12
T 13	7 57 56	0♒25'51	1♊13	10°13	10°17	7°36	12°51	28°57	4°58	25°43	17°45	1° 1	2° 8	1°49	6°19	T 13
W14	8 1 52	1°26'45	14°42	10°D13	11°28	7°19	13° 4	28°52	4°57	25°43	17°46	0°54	2° 5	1°56	6°19	W14
T 15	8 5 49	2°27'39	28° 1	10°20	12°40	7° 3	13°16	28°47	4°56	25°43	17°48	0°45	2° 1	2° 3	6°20	T 15
F 16	8 9 45	3°28'31	11♋ 8	10°34	13°51	6°48	13°29	28°42	4°55	25°43	17°50	0°35	1°58	2° 9	6°20	F 16
S 17	8 13 42	4°29'21	24° 2	10°54	15° 2	6°33	13°42	28°37	4°55	25°43	17°51	0°24	1°55	2°16	6°21	S 17
S 18	8 17 38	5°30'11	6♌43	11°21	16°13	6°19	13°55	28°32	4°54	25°44	17°53	0°14	1°52	2°23	6°22	S 18
M19	8 21 35	6°30'59	19°10	11°53	17°24	6° 6	14° 8	28°28	4°53	25°R44	17°55	0° 6	1°49	2°29	6°22	M19
T 20	8 25 31	7°31'46	1♍24	12°29	18°35	5°53	14°21	28°23	4°52	25°44	17°57	29♓59	1°46	2°36	6°23	T 20
W21	8 29 28	8°32'31	13°27	13°11	19°45	5°41	14°34	28°18	4°51	25°44	17°58	29°55	1°42	2°43	6°24	W21
T 22	8 33 25	9°33'16	25°21	13°56	20°56	5°30	14°47	28°13	4°50	25°43	18° 0	29°D54	1°39	2°49	6°25	T 22
F 23	8 37 21	10°33'59	7♎ 9	14°45	22° 6	5°20	15° 0	28° 8	4°49	25°43	18° 2	29°54	1°36	2°56	6°26	F 23
S 24	8 41 18	11°34'41	18°56	15°38	23°17	5°11	15°13	28° 4	4°47	25°43	18° 3	29°55	1°33	3° 3	6°27	S 24
S 25	8 45 14	12°35'22	0♏47	16°34	24°27	5° 2	15°27	27°59	4°46	25°43	18° 5	29°56	1°30	3° 9	6°28	S 25
M26	8 49 11	13°36'02	12°46	17°33	25°37	4°55	15°40	27°54	4°45	25°43	18° 7	29°R57	1°27	3°16	6°29	M26
T 27	8 53 7	14°36'41	24°59	18°35	26°47	4°48	15°53	27°50	4°44	25°43	18° 9	29°56	1°23	3°23	6°30	T 27
W28	8 57 4	15°37'19	7♐32	19°39	27°57	4°42	16° 7	27°45	4°42	25°42	18°10	29°54	1°20	3°29	6°31	W28
T 29	9 1 0	16°37'55	20°28	20°45	29° 6	4°36	16°20	27°41	4°41	25°42	18°12	29°50	1°17	3°36	6°33	T 29
F 30	9 4 57	17°38'30	3♑50	21°54	0♈16	4°32	16°34	27°36	4°39	25°42	18°14	29°44	1°14	3°42	6°34	F 30
S 31	9 8 54	18♒39'04	17♑38	23♑ 4	1♈25	4♋28	16♓48	27♋32	4♎38	25♎41	18♒15	29♓37	1♈11	3♎49	6♉36	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s17	27s 6	4s45	19s 2	2n59	14s25	1s33	27n 5	4n 5	8s46	1s11	20n47	0n33	1s20	0n44	8s16	1n48	25s32	10s23	0n51	1n 6	0s 1	12n17	1s29
F 2	22 9	28 28	5 0	19 1	3 10	13 58	1 31	27 8	4 6	8 42	1 10	20 48	0 33	1 20	0 44	8 16	1 48	25 31	10 23	0 46	1 5	0 4	12 17	1 29
S 3	22 0	28 9	4 59	19 3	3 20	13 31	1 29	27 10	4 6	8 37	1 10	20 49	0 33	1 20	0 44	8 17	1 48	25 30	10 23	0 41	1 4	0 8	12 16	1 29
S 4	21 51	26 2	4 40	19 6	3 26	13 4	1 27	27 12	4 6	8 32	1 10	20 50	0 33	1 20	0 44	8 17	1 48	25 30	10 23	0 36	1 2	0 11	12 16	1 29
M 5	21 41	22 15	4 3	19 10	3 31	12 36	1 25	27 14	4 7	8 28	1 10	20 51	0 33	1 20	0 44	8 17	1 48	25 29	10 23	0 32	1 1	0 14	12 16	1 29
T 6	21 31	17 6	3 10	19 15	3 32	12 8	1 23	27 16	4 7	8 23	1 10	20 52	0 33	1 20	0 44	8 17	1 48	25 29	10 23	0 29	1 0	0 18	12 16	1 29
W 7	21 20	10 58	2 5	19 22	3 32	11 40	1 20	27 17	4 7	8 18	1 10	20 54	0 33	1 20	0 44	8 17	1 48	25 28	10 22	0 27	0 59	0 21	12 16	1 29
T 8	21 9	4 16	0 52	19 29	3 29	11 11	1 18	27 19	4 6	8 14	1 10	20 55	0 34	1 19	0 44	8 17	1 48	25 28	10 22	0 26	0 57	0 25	12 16	1 29
F 9	20 58	2n35	0n24	19 37	3 25	10 42	1 16	27 20	4 6	8 9	1 9	20 56	0 34	1 19	0 44	8 17	1 48	25 27	10 22	0 26	0 56	0 28	12 16	1 29
S 10	20 46	9 15	1 38	19 46	3 19	10 13	1 13	27 21	4 6	8 4	1 9	20 57	0 34	1 19	0 44	8 17	1 48	25 26	10 22	0 26	0 55	0 32	12 16	1 29
S 11	20 34	15 23	2 45	19 55	3 12	9 44	1 10	27 22	4 5	7 59	1 9	20 58	0 34	1 19	0 44	8 17	1 49	25 26	10 22	0 26	0 54	0 35	12 16	1 29
M12	20 21	20 40	3 41	20 5	3 3	9 14	1 8	27 22	4 5	7 54	1 9	20 59	0 34	1 19	0 44	8 17	1 49	25 25	10 22	0 26	0 52	0 39	12 17	1 29
T 13	20 8	24 48	4 25	20 15	2 54	8 44	1 5	27 23	4 4	7 49	1 9	21 0	0 34	1 18	0 44	8 17	1 49	25 25	10 22	0 24	0 51	0 42	12 17	1 29
W14	19 55	27 30	4 53	20 24	2 44	8 14	1 2	27 23	4 4	7 44	1 9	21 1	0 34	1 18	0 44	8 17	1 49	25 24	10 22	0 22	0 50	0 46	12 17	1 29
T 15	19 41	28 35	5 4	20 34	2 34	7 44	0 59	27 23	4 3	7 39	1 9	21 3	0 34	1 18	0 44	8 17	1 49	25 24	10 22	0 18	0 48	0 49	12 17	1 29
F 16	19 27	28 2	4 59	20 44	2 23	7 14	0 56	27 23	4 2	7 34	1 9	21 4	0 34	1 17	0 44	8 17	1 49	25 23	10 22	0 14	0 47	0 53	12 17	1 29
S 17	19 13	25 58	4 39	20 53	2 12	6 44	0 53	27 23	4 1	7 29	1 9	21 5	0 35	1 17	0 44	8 17	1 49	25 23	10 22	0 10	0 46	0 56	12 17	1 29
S 18	18 58	22 38	4 6	21 2	2 1	6 13	0 49	27 23	4 0	7 24	1 9	21 6	0 35	1 17	0 44	8 17	1 49	25 22	10 22	0 6	0 45	1 0	12 17	1 29
M19	18 43	18 19	3 21	21 10	1 50	5 42	0 46	27 23	3 59	7 19	1 8	21 7	0 35	1 16	0 44	8 17	1 49	25 21	10 22	0 2	0 43	1 3	12 18	1 29
T 20	18 28	13 18	2 27	21 18	1 39	5 11	0 43	27 22	3 58	7 14	1 8	21 8	0 35	1 16	0 44	8 17	1 49	25 21	10 22	0s 0	0 42	1 6	12 18	1 29
W21	18 12	7 53	1 27	21 25	1 28	4 40	0 39	27 22	3 57	7 9	1 8	21 9	0 35	1 15	0 44	8 17	1 49	25 20	10 22	0 2	0 41	1 10	12 18	1 29
T 22	17 56	2 14	0 25	21 32	1 17	4 9	0 36	27 21	3 56	7 4	1 8	21 10	0 35	1 15	0 44	8 17	1 49	25 20	10 22	0 3	0 40	1 13	12 19	1 29
F 23	17 39	3s27	0s39	21 37	1 6	3 38	0 32	27 20	3 55	6 59	1 8	21 11	0 35	1 14	0 44	8 17	1 49	25 19	10 22	0 2	0 38	1 17	12 19	1 29
S 24	17 23	9 0	1 41	21 42	0 55	3 7	0 28	27 19	3 54	6 53	1 8	21 12	0 35	1 14	0 44	8 17	1 49	25 19	10 22	0 2	0 37	1 20	12 19	1 29
S 25	17 6	14 16	2 39	21 46	0 45	2 35	0 24	27 19	3 53	6 48	1 8	21 13	0 35	1 13	0 44	8 17	1 49	25 18	10 22	0 1	0 36	1 24	12 20	1 29
M26	16 48	19 5	3 31	21 49	0 34	2 4	0 21	27 18	3 51	6 43	1 8	21 14	0 35	1 13	0 44	8 17	1 49	25 18	10 22	0 1	0 35	1 27	12 20	1 29
T 27	16 31	23 12	4 14	21 50	0 24	1 32	0 17	27 16	3 50	6 38	1 8	21 15	0 35	1 12	0 45	8 16	1 50	25 17	10 22	0 1	0 33	1 31	12 20	1 29
W28	16 13	26 22	4 47	21 51	0 14	1 1	0 13	27 15	3 48	6 32	1 8	21 16	0 36	1 12	0 45	8 16	1 50	25 17	10 22	0 2	0 32	1 34	12 21	1 29
T 29	15 55	28 16	5 6	21 51	0 5	0 29	0 9	27 14	3 47	6 27	1 8	21 17	0 36	1 11	0 45	8 16	1 50	25 16	10 22	0 4	0 31	1 38	12 21	1 29
F 30	15 36	28 37	5 9	21 49	0s 5	0n 2	0 5	27 13	3 46	6 21	1 8	21 18	0 36	1 11	0 45	8 16	1 50	25 16	10 22	0 7	0 29	1 41	12 22	1 29
S 31	15s18	27s14	4s55	21s47	0s14	0n34	0s 1	27n11	3n44	6s16	1s 7	21n19	0n36	1s10	0n45	8s16	1n50	25s15	10s22	0s 9	0n28	1s45	12n22	1s29

Julian Day Number = 2195517.5, Delta T = 10m26s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'49, Lahiri = 14°04'50 Julian Calendar 1 Jan. 1299 == Greg. Calendar 8 Jan. 1299

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

FEBRUARY 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	9 12 50	19♒39'36	1♒51	24♑17	2♈34	4°R25	17♓ 1	27°R27	4°R36	25°R41	18♒17	29°R30	1♈ 7	3♎56	6♉37	S 1
M 2	9 16 47	20°40'07	16°25	25°31	3°43	4♋23	17°15	27♋23	4♎35	25♎40	18°19	29♓24	1° 4	4° 2	6°39	M 2
T 3	9 20 43	21°40'36	1♓12	26°47	4°52	4°21	17°29	27°19	4°33	25°40	18°21	29°20	1° 1	4° 9	6°40	T 3
W 4	9 24 40	22°41'03	16° 5	28° 4	6° 1	4°D21	17°43	27°14	4°32	25°39	18°22	29°17	0°58	4°16	6°42	W 4
T 5	9 28 36	23°41'29	0♈56	29°23	7°10	4°21	17°57	27°10	4°30	25°39	18°24	29°D17	0°55	4°22	6°44	T 5
F 6	9 32 33	24°41'52	15°38	0♒43	8°18	4°22	18°11	27° 6	4°28	25°38	18°26	29°17	0°52	4°29	6°46	F 6
S 7	9 36 29	25°42'14	0♉ 5	2° 5	9°26	4°23	18°25	27° 2	4°26	25°38	18°27	29°19	0°48	4°36	6°47	S 7
S 8	9 40 26	26°42'34	14°15	3°28	10°34	4°25	18°39	26°58	4°24	25°37	18°29	29°20	0°45	4°42	6°49	S 8
M 9	9 44 23	27°42'51	28° 7	4°53	11°42	4°28	18°53	26°54	4°23	25°36	18°31	29°R21	0°42	4°49	6°51	M 9
T 10	9 48 19	28°43'07	11♊41	6°18	12°49	4°32	19° 7	26°50	4°21	25°36	18°33	29°20	0°39	4°56	6°53	T 10
W11	9 52 16	29°43'20	24°57	7°45	13°57	4°37	19°21	26°47	4°19	25°35	18°34	29°18	0°36	5° 2	6°55	W11
T 12	9 56 12	0♓43'32	7♋58	9°13	15° 4	4°42	19°35	26°43	4°17	25°34	18°36	29°14	0°33	5° 9	6°58	T 12
F 13	10 0 9	1°43'41	20°45	10°42	16°11	4°47	19°49	26°40	4°15	25°33	18°38	29°10	0°29	5°16	7° 0	F 13
S 14	10 4 5	2°43'48	3♌19	12°12	17°17	4°54	20° 3	26°36	4°13	25°33	18°39	29° 6	0°26	5°22	7° 2	S 14
S 15	10 8 2	3°43'53	15°41	13°44	18°24	5° 1	20°17	26°33	4°11	25°32	18°41	29° 1	0°23	5°29	7° 4	S 15
M16	10 11 58	4°43'56	27°53	15°16	19°30	5° 8	20°32	26°29	4° 8	25°31	18°43	28°58	0°20	5°35	7° 7	M16
T 17	10 15 55	5°43'58	9♍55	16°50	20°36	5°17	20°46	26°26	4° 6	25°30	18°44	28°55	0°17	5°42	7° 9	T 17
W18	10 19 52	6°43'57	21°51	18°25	21°42	5°25	21° 0	26°23	4° 4	25°29	18°46	28°54	0°13	5°49	7°11	W18
T 19	10 23 48	7°43'54	3♎41	20° 1	22°47	5°35	21°14	26°20	4° 2	25°28	18°48	28°D54	0°10	5°55	7°14	T 19
F 20	10 27 45	8°43'50	15°29	21°38	23°53	5°45	21°29	26°17	4° 0	25°27	18°49	28°55	0° 7	6° 2	7°16	F 20
S 21	10 31 41	9°43'44	27°16	23°16	24°57	5°56	21°43	26°14	3°57	25°26	18°51	28°56	0° 4	6° 9	7°19	S 21
S 22	10 35 38	10°43'36	9♏ 8	24°56	26° 2	6° 7	21°58	26°11	3°55	25°25	18°53	28°58	0° 1	6°15	7°22	S 22
M23	10 39 34	11°43'26	21° 8	26°36	27° 7	6°18	22°12	26° 8	3°53	25°24	18°54	28°59	29♓58	6°22	7°24	M23
T 24	10 43 31	12°43'14	3♐20	28°18	28°11	6°31	22°26	26° 6	3°50	25°23	18°56	29° 0	29°54	6°29	7°27	T 24
W25	10 47 27	13°43'01	15°50	0♓ 1	29°14	6°43	22°41	26° 3	3°48	25°22	18°57	29°R 0	29°51	6°35	7°30	W25
T 26	10 51 24	14°42'47	28°41	1°45	0♉18	6°56	22°55	26° 1	3°46	25°21	18°59	29° 0	29°48	6°42	7°33	T 26
F 27	10 55 21	15°42'30	11♑57	3°30	1°21	7°10	23°10	25°59	3°43	25°20	19° 1	28°59	29°45	6°49	7°36	F 27
S 28	10 59 17	16♓42'12	25♑39	5♓17	2♉24	7♋24	23♓24	25♋56	3♎41	25♎19	19♒ 2	28♓57	29♓42	6♎55	7♉39	S 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s59	24s 5	4s22	21s43	0s22	1n 5	0n 4	27n10	3n43	6s11	1s 7	21n20	0n36	1s 9	0n45	8s16	1n50	25s15	10s22	0s12	0n27	1s48	12n23	1s29
M 2	14 40	19 21	3 32	21 38	0 31	1 36	0 8	27 9	3 41	6 5	1 7	21 21	0 36	1 9	0 45	8 15	1 50	25 14	10 23	0 14	0 26	1 51	12 23	1 29
T 3	14 20	13 22	2 27	21 31	0 39	2 8	0 12	27 7	3 40	6 0	1 7	21 22	0 36	1 8	0 45	8 15	1 50	25 14	10 23	0 16	0 24	1 55	12 24	1 29
W 4	14 0	6 36	1 11	21 24	0 47	2 39	0 17	27 6	3 38	5 54	1 7	21 23	0 36	1 7	0 45	8 15	1 50	25 13	10 23	0 17	0 23	1 58	12 24	1 29
T 5	13 41	0n31	0n 9	21 15	0 54	3 10	0 21	27 4	3 37	5 49	1 7	21 24	0 36	1 7	0 45	8 15	1 50	25 13	10 23	0 17	0 22	2 2	12 25	1 29
F 6	13 20	7 32	1 28	21 5	1 2	3 42	0 26	27 3	3 35	5 43	1 7	21 25	0 36	1 6	0 45	8 14	1 50	25 12	10 23	0 17	0 21	2 5	12 25	1 29
S 7	13 0	14 3	2 40	20 53	1 9	4 13	0 30	27 1	3 33	5 38	1 7	21 26	0 36	1 5	0 45	8 14	1 50	25 12	10 23	0 16	0 19	2 9	12 26	1 29
S 8	12 40	19 42	3 41	20 40	1 15	4 44	0 35	26 59	3 32	5 32	1 7	21 26	0 36	1 4	0 45	8 14	1 50	25 11	10 23	0 16	0 18	2 12	12 27	1 29
M 9	12 19	24 10	4 28	20 26	1 21	5 15	0 39	26 58	3 30	5 27	1 7	21 27	0 36	1 4	0 45	8 13	1 50	25 11	10 23	0 16	0 17	2 16	12 27	1 29
T 10	11 58	27 12	4 59	20 11	1 27	5 45	0 44	26 56	3 29	5 21	1 7	21 28	0 36	1 3	0 45	8 13	1 50	25 10	10 23	0 16	0 16	2 19	12 28	1 29
W11	11 37	28 38	5 12	19 54	1 33	6 16	0 49	26 54	3 27	5 15	1 7	21 29	0 37	1 2	0 45	8 13	1 50	25 10	10 23	0 17	0 14	2 23	12 29	1 29
T 12	11 16	28 26	5 10	19 36	1 38	6 47	0 53	26 52	3 25	5 10	1 7	21 30	0 37	1 1	0 45	8 13	1 50	25 9	10 23	0 18	0 13	2 26	12 29	1 29
F 13	10 54	26 43	4 51	19 16	1 43	7 17	0 58	26 51	3 24	5 4	1 7	21 30	0 37	1 0	0 45	8 12	1 51	25 9	10 23	0 20	0 12	2 29	12 30	1 29
S 14	10 32	23 42	4 19	18 55	1 48	7 47	1 3	26 49	3 22	4 59	1 7	21 31	0 37	1 0	0 45	8 12	1 51	25 8	10 24	0 22	0 10	2 33	12 31	1 29
S 15	10 11	19 38	3 36	18 33	1 52	8 17	1 8	26 47	3 21	4 53	1 7	21 32	0 37	0 59	0 45	8 12	1 51	25 8	10 24	0 23	0 9	2 36	12 32	1 29
M16	9 49	14 48	2 43	18 10	1 56	8 47	1 13	26 45	3 19	4 47	1 7	21 32	0 37	0 58	0 45	8 11	1 51	25 7	10 24	0 25	0 8	2 40	12 32	1 29
T 17	9 27	9 28	1 43	17 44	1 59	9 16	1 18	26 43	3 18	4 42	1 7	21 33	0 37	0 57	0 45	8 11	1 51	25 7	10 24	0 26	0 7	2 43	12 33	1 29
W18	9 4	3 50	0 39	17 18	2 2	9 46	1 22	26 41	3 16	4 36	1 7	21 34	0 37	0 56	0 45	8 10	1 51	25 7	10 24	0 26	0 5	2 47	12 34	1 29
T 19	8 42	1s53	0s26	16 50	2 5	10 15	1 27	26 39	3 14	4 30	1 7	21 34	0 37	0 55	0 45	8 10	1 51	25 6	10 24	0 26	0 4	2 50	12 35	1 29
F 20	8 20	7 30	1 30	16 21	2 7	10 44	1 32	26 37	3 13	4 25	1 7	21 35	0 37	0 54	0 45	8 10	1 51	25 6	10 24	0 26	0 3	2 54	12 36	1 29
S 21	7 57	12 53	2 31	15 50	2 9	11 12	1 37	26 35	3 11	4 19	1 7	21 36	0 37	0 53	0 45	8 9	1 51	25 5	10 24	0 26	0 2	2 57	12 36	1 29
S 22	7 34	17 50	3 25	15 18	2 10	11 41	1 42	26 33	3 10	4 13	1 7	21 36	0 37	0 52	0 45	8 9	1 51	25 5	10 25	0 25	0 0	3 0	12 37	1 29
M23	7 12	22 8	4 10	14 45	2 11	12 9	1 47	26 31	3 8	4 7	1 6	21 37	0 37	0 52	0 45	8 8	1 51	25 5	10 25	0 24	0s 1	3 4	12 38	1 29
T 24	6 49	25 35	4 46	14 10	2 12	12 37	1 52	26 29	3 6	4 2	1 6	21 37	0 37	0 51	0 45	8 8	1 51	25 4	10 25	0 24	0 2	3 7	12 39	1 29
W25	6 26	27 53	5 9	13 34	2 12	13 4	1 57	26 26	3 5	3 56	1 6	21 38	0 37	0 50	0 45	8 7	1 51	25 4	10 25	0 24	0 4	3 11	12 40	1 29
T 26	6 3	28 48	5 17	12 56	2 11	13 32	2 2	26 24	3 3	3 50	1 6	21 38	0 37	0 49	0 45	8 7	1 51	25 4	10 25	0 24	0 5	3 14	12 41	1 29
F 27	5 39	28 7	5 9	12 17	2 10	13 59	2 7	26 22	3 2	3 44	1 6	21 39	0 37	0 48	0 45	8 7	1 51	25 3	10 25	0 25	0 6	3 18	12 42	1 29
S 28	5s16	25s44	4s43	11s37	2s 9	14n25	2n12	26n20	3n 0	3s39	1s 6	21n39	0n37	0s47	0n45	8s 6	1n51	25s 3	10s26	0s25	0s 7	3s21	12n43	1s29

Julian Day Number = 2195548.5, Delta T = 10m26s
Ecliptic obliquity = 23°31'58, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'53, Lahiri = 14°04'54 Julian Calendar 1 Feb. 1299 == Greg. Calendar 8 Feb. 1299

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

MARCH 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	11 3 14	17♓41'52	9♒49	7♓ 5	3♉27	7♋39	23♓39	25°R54	3°R38	25°R17	19♒ 4	28°R56	29♓38	7♎ 2	7♉42	S 1
M 2	11 7 10	18°41'30	24°24	8°54	4°29	7°54	23°53	25♋52	3♎36	25♎16	19° 5	28♓54	29°35	7° 8	7°45	M 2
T 3	11 11 7	19°41'06	9♓19	10°44	5°31	8°10	24° 8	25°50	3°34	25°15	19° 7	28°53	29°32	7°15	7°48	T 3
W 4	11 15 3	20°40'40	24°25	12°36	6°32	8°26	24°22	25°48	3°31	25°14	19° 8	28°D53	29°29	7°22	7°51	W 4
T 5	11 19 0	21°40'11	9♈34	14°29	7°33	8°43	24°37	25°47	3°29	25°12	19°10	28°53	29°26	7°28	7°54	T 5
F 6	11 22 56	22°39'41	24°37	16°23	8°34	8°59	24°51	25°45	3°26	25°11	19°11	28°54	29°23	7°35	7°57	F 6
S 7	11 26 53	23°39'09	9♉26	18°18	9°34	9°17	25° 6	25°44	3°23	25°10	19°13	28°54	29°19	7°42	8° 0	S 7
S 8	11 30 49	24°38'34	23°54	20°14	10°34	9°35	25°20	25°42	3°21	25° 8	19°14	28°55	29°16	7°48	8° 3	S 8
M 9	11 34 46	25°37'57	7♊58	22°12	11°34	9°53	25°35	25°41	3°18	25° 7	19°16	28°55	29°13	7°55	8° 7	M 9
T 10	11 38 43	26°37'17	21°37	24°11	12°33	10°11	25°49	25°40	3°16	25° 6	19°17	28°R55	29°10	8° 2	8°10	T 10
W11	11 42 39	27°36'36	4♋53	26°11	13°31	10°30	26° 4	25°39	3°13	25° 4	19°19	28°55	29° 7	8° 8	8°13	W11
T 12	11 46 36	28°35'51	17°47	28°12	14°29	10°50	26°18	25°38	3°11	25° 3	19°20	28°D55	29° 4	8°15	8°17	T 12
F 13	11 50 32	29°35'05	0♌23	0♈14	15°27	11° 9	26°33	25°37	3° 8	25° 1	19°21	28°55	29° 0	8°22	8°20	F 13
S 14	11 54 29	0♈34'16	12°44	2°16	16°24	11°30	26°47	25°36	3° 6	25° 0	19°23	28°55	28°57	8°28	8°24	S 14
S 15	11 58 25	1°33'25	24°52	4°20	17°21	11°50	27° 2	25°35	3° 3	24°58	19°24	28°55	28°54	8°35	8°27	S 15
M16	12 2 22	2°32'31	6♍52	6°23	18°17	12°11	27°16	25°35	3° 0	24°57	19°25	28°56	28°51	8°42	8°31	M16
T 17	12 6 18	3°31'36	18°45	8°27	19°12	12°32	27°30	25°35	2°58	24°56	19°27	28°56	28°48	8°48	8°34	T 17
W18	12 10 15	4°30'38	0♎35	10°32	20° 7	12°53	27°45	25°34	2°55	24°54	19°28	28°R56	28°44	8°55	8°38	W18
T 19	12 14 12	5°29'38	12°23	12°36	21° 1	13°15	27°59	25°34	2°53	24°53	19°29	28°56	28°41	9° 1	8°42	T 19
F 20	12 18 8	6°28'36	24°11	14°39	21°55	13°37	28°14	25°D34	2°50	24°51	19°31	28°55	28°38	9° 8	8°45	F 20
S 21	12 22 5	7°27'32	6♏ 3	16°42	22°48	13°59	28°28	25°34	2°47	24°49	19°32	28°54	28°35	9°15	8°49	S 21
S 22	12 26 1	8°26'26	17°59	18°43	23°40	14°22	28°43	25°34	2°45	24°48	19°33	28°53	28°32	9°21	8°53	S 22
M23	12 29 58	9°25'18	0♐ 4	20°43	24°32	14°45	28°57	25°34	2°42	24°46	19°34	28°51	28°29	9°28	8°56	M23
T 24	12 33 54	10°24'09	12°20	22°42	25°23	15° 8	29°11	25°35	2°40	24°45	19°36	28°50	28°25	9°35	9° 0	T 24
W25	12 37 51	11°22'58	24°51	24°38	26°13	15°31	29°26	25°35	2°37	24°43	19°37	28°49	28°22	9°41	9° 4	W25
T 26	12 41 47	12°21'45	7♑39	26°31	27° 3	15°55	29°40	25°36	2°35	24°42	19°38	28°D48	28°19	9°48	9° 8	T 26
F 27	12 45 44	13°20'30	20°49	28°22	27°51	16°19	29°54	25°36	2°32	24°40	19°39	28°49	28°16	9°55	9°12	F 27
S 28	12 49 41	14°19'13	4♒22	0♉ 9	28°39	16°43	0♈ 9	25°37	2°30	24°38	19°40	28°49	28°13	10° 1	9°15	S 28
S 29	12 53 37	15°17'55	18°21	1°53	29°26	17° 8	0°23	25°38	2°27	24°37	19°41	28°50	28°10	10° 8	9°19	S 29
M30	12 57 34	16°16'35	2♓44	3°33	0♊12	17°32	0°37	25°39	2°25	24°35	19°42	28°52	28° 6	10°15	9°23	M30
T 31	13 1 30	17♈15'14	17♓30	5♉10	0♊58	17♋57	0♈51	25♋40	2♎22	24♎34	19♒43	28♓52	28♓ 3	10♎21	9♉27	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	4s53	21s42	4s 0	10s55	2s 7	14n52	2n17	26n17	2n59	3s33	1s 6	21n40	0n38	0s46	0n45	8s 6	1n51	25s 2	10s26	0s26	0s 9	3s25	12n44	1s29
M 2	4 29	16 16	3 0	10 12	2 5	15 18	2 22	26 15	2 57	3 27	1 6	21 40	0 38	0 45	0 45	8 5	1 51	25 2	10 26	0 26	0 10	3 28	12 45	1 29
T 3	4 6	9 45	1 47	9 27	2 2	15 44	2 27	26 12	2 56	3 21	1 6	21 41	0 38	0 44	0 45	8 5	1 51	25 2	10 26	0 27	0 11	3 31	12 46	1 29
W 4	3 43	2 36	0 25	8 41	1 59	16 9	2 32	26 10	2 54	3 16	1 6	21 41	0 38	0 43	0 45	8 4	1 51	25 1	10 26	0 27	0 12	3 35	12 46	1 29
T 5	3 19	4n43	0n59	7 54	1 55	16 34	2 37	26 7	2 53	3 10	1 6	21 41	0 38	0 42	0 45	8 4	1 51	25 1	10 26	0 27	0 14	3 38	12 47	1 29
F 6	2 55	11 43	2 18	7 6	1 51	16 58	2 42	26 5	2 51	3 4	1 6	21 42	0 38	0 41	0 45	8 3	1 52	25 1	10 27	0 27	0 15	3 42	12 48	1 29
S 7	2 32	17 57	3 27	6 16	1 46	17 23	2 47	26 2	2 50	2 58	1 6	21 42	0 38	0 40	0 45	8 3	1 52	25 1	10 27	0 26	0 16	3 45	12 50	1 29
S 8	2 8	23 1	4 21	5 25	1 41	17 46	2 52	25 59	2 49	2 53	1 6	21 42	0 38	0 39	0 45	8 2	1 52	25 0	10 27	0 26	0 17	3 49	12 51	1 29
M 9	1 45	26 36	4 57	4 33	1 35	18 10	2 57	25 56	2 47	2 47	1 6	21 43	0 38	0 38	0 45	8 2	1 52	25 0	10 27	0 26	0 19	3 52	12 52	1 29
T 10	1 21	28 31	5 15	3 40	1 28	18 33	3 2	25 54	2 46	2 41	1 6	21 43	0 38	0 37	0 45	8 1	1 52	25 0	10 27	0 26	0 20	3 56	12 53	1 29
W11	0 57	28 42	5 16	2 46	1 21	18 55	3 7	25 51	2 44	2 35	1 6	21 43	0 38	0 36	0 45	8 0	1 52	24 59	10 28	0 26	0 21	3 59	12 54	1 29
T 12	0 34	27 19	5 1	1 51	1 14	19 18	3 11	25 48	2 43	2 30	1 6	21 43	0 38	0 35	0 45	8 0	1 52	24 59	10 28	0 26	0 23	4 2	12 55	1 29
F 13	0 10	24 34	4 31	0 55	1 6	19 39	3 16	25 45	2 41	2 24	1 6	21 43	0 38	0 34	0 45	7 59	1 52	24 59	10 28	0 26	0 24	4 6	12 56	1 29
S 14	0n14	20 43	3 50	0n 2	0 57	20 1	3 21	25 42	2 40	2 18	1 7	21 44	0 38	0 33	0 45	7 59	1 52	24 59	10 28	0 26	0 25	4 9	12 57	1 29
S 15	0 37	16 5	2 58	0 59	0 48	20 21	3 25	25 38	2 39	2 12	1 7	21 44	0 38	0 32	0 45	7 58	1 52	24 58	10 29	0 26	0 26	4 13	12 58	1 29
M16	1 1	10 53	2 0	1 57	0 39	20 42	3 30	25 35	2 37	2 6	1 7	21 44	0 38	0 31	0 45	7 58	1 52	24 58	10 29	0 26	0 28	4 16	12 59	1 29
T 17	1 24	5 20	0 56	2 56	0 29	21 2	3 34	25 32	2 36	2 1	1 7	21 44	0 38	0 29	0 45	7 57	1 52	24 58	10 29	0 26	0 29	4 20	13 0	1 29
W18	1 48	0s22	0s 9	3 54	0 18	21 21	3 39	25 28	2 35	1 55	1 7	21 44	0 38	0 28	0 45	7 57	1 52	24 58	10 29	0 26	0 30	4 23	13 1	1 29
T 19	2 11	6 3	1 14	4 52	0 8	21 40	3 43	25 25	2 33	1 49	1 7	21 44	0 38	0 27	0 45	7 56	1 52	24 58	10 29	0 26	0 31	4 26	13 2	1 29
F 20	2 35	11 31	2 16	5 51	0n 3	21 59	3 48	25 21	2 32	1 44	1 7	21 44	0 38	0 26	0 45	7 55	1 52	24 57	10 30	0 26	0 33	4 30	13 4	1 30
S 21	2 58	16 36	3 12	6 48	0 14	22 17	3 52	25 18	2 31	1 38	1 7	21 44	0 38	0 25	0 45	7 55	1 52	24 57	10 30	0 26	0 34	4 33	13 5	1 30
S 22	3 22	21 6	4 0	7 45	0 26	22 34	3 56	25 14	2 29	1 32	1 7	21 44	0 38	0 24	0 45	7 54	1 52	24 57	10 30	0 27	0 35	4 37	13 6	1 30
M23	3 45	24 46	4 38	8 42	0 37	22 51	4 0	25 10	2 28	1 26	1 7	21 44	0 38	0 23	0 45	7 54	1 52	24 57	10 30	0 27	0 36	4 40	13 7	1 30
T 24	4 8	27 23	5 4	9 37	0 48	23 8	4 4	25 6	2 27	1 21	1 7	21 44	0 38	0 22	0 45	7 53	1 52	24 57	10 31	0 28	0 38	4 44	13 8	1 30
W25	4 31	28 42	5 16	10 30	1 0	23 24	4 8	25 2	2 26	1 15	1 7	21 44	0 38	0 21	0 45	7 52	1 52	24 57	10 31	0 28	0 39	4 47	13 9	1 30
T 26	4 54	28 31	5 13	11 22	1 11	23 39	4 11	24 58	2 24	1 9	1 7	21 44	0 38	0 20	0 45	7 52	1 52	24 56	10 31	0 29	0 40	4 50	13 11	1 30
F 27	5 17	26 45	4 54	12 13	1 22	23 54	4 15	24 54	2 23	1 4	1 7	21 44	0 38	0 19	0 45	7 51	1 52	24 56	10 32	0 29	0 42	4 54	13 12	1 30
S 28	5 40	23 25	4 18	13 1	1 33	24 8	4 19	24 50	2 22	0 58	1 7	21 44	0 38	0 18	0 45	7 51	1 52	24 56	10 32	0 28	0 43	4 57	13 13	1 30
S 29	6 3	18 39	3 26	13 47	1 43	24 22	4 22	24 45	2 21	0 52	1 7	21 44	0 38	0 17	0 45	7 50	1 52	24 56	10 32	0 28	0 44	5 1	13 14	1 30
M30	6 26	12 43	2 20	14 31	1 52	24 36	4 25	24 41	2 19	0 47	1 7	21 44	0 38	0 16	0 45	7 49	1 52	24 56	10 32	0 27	0 45	5 4	13 15	1 30
T 31	6n48	5s55	1s 3	15n12	2n 2	24n48	4n29	24n36	2n18	0s41	1s 7	21n43	0n38	0s15	0n45	7s49	1n52	24s56	10s33	0s27	0s47	5s 8	13n17	1s30

Julian Day Number = 2195576.5, Delta T = 10m25s
Ecliptic obliquity = 23°31'59, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°57'57, Lahiri = 14°04'58 Julian Calendar 1 March 1299 == Greg. Calendar 8 March 1299

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

APRIL 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	13 5 27	18♈13'50	2♈32	6♉42	1♊42	18♋23	1♈ 5	25♋41	2°R20	24°R32	19♒44	28°R53	28♓ 0	10♎28	9♉31	W 1
T 2	13 9 23	19°12'24	17°44	8° 9	2°25	18°48	1°20	25°43	2♎17	24♎30	19°45	28♓52	27°57	10°35	9°35	T 2
F 3	13 13 20	20°10'57	2♉54	9°32	3° 7	19°14	1°34	25°44	2°15	24°29	19°46	28°50	27°54	10°41	9°39	F 3
S 4	13 17 16	21° 9'28	17°55	10°51	3°49	19°40	1°48	25°46	2°12	24°27	19°47	28°47	27°50	10°48	9°43	S 4
S 5	13 21 13	22° 7'56	2♊37	12° 4	4°29	20° 6	2° 2	25°47	2°10	24°25	19°48	28°44	27°47	10°54	9°47	S 5
M 6	13 25 10	23° 6'23	16°54	13°12	5° 8	20°32	2°16	25°49	2° 7	24°24	19°49	28°41	27°44	11° 1	9°51	M 6
T 7	13 29 6	24° 4'48	0♋44	14°16	5°46	20°59	2°30	25°51	2° 5	24°22	19°50	28°39	27°41	11° 8	9°55	T 7
W 8	13 33 3	25° 3'10	14° 6	15°14	6°22	21°26	2°44	25°53	2° 3	24°21	19°51	28°37	27°38	11°14	9°59	W 8
T 9	13 36 59	26° 1'30	27° 2	16° 7	6°58	21°53	2°58	25°55	2° 1	24°19	19°52	28°D37	27°35	11°21	10° 3	T 9
F 10	13 40 56	26°59'48	9♌35	16°55	7°31	22°20	3°12	25°57	1°58	24°17	19°53	28°37	27°31	11°28	10° 7	F 10
S 11	13 44 52	27°58'04	21°51	17°37	8° 4	22°47	3°25	25°59	1°56	24°16	19°54	28°39	27°28	11°34	10°12	S 11
S 12	13 48 49	28°56'18	3♍53	18°14	8°35	23°15	3°39	26° 2	1°54	24°14	19°54	28°40	27°25	11°41	10°16	S 12
M13	13 52 45	29°54'29	15°47	18°45	9° 5	23°43	3°53	26° 4	1°52	24°12	19°55	28°42	27°22	11°48	10°20	M13
T 14	13 56 42	0♉52'39	27°35	19°11	9°33	24°11	4° 7	26° 7	1°49	24°11	19°56	28°R43	27°19	11°54	10°24	T 14
W15	14 0 39	1°50'47	9♎22	19°31	9°59	24°39	4°20	26° 9	1°47	24° 9	19°57	28°42	27°15	12° 1	10°28	W15
T 16	14 4 35	2°48'53	21°10	19°46	10°24	25° 7	4°34	26°12	1°45	24° 7	19°57	28°40	27°12	12° 8	10°32	T 16
F 17	14 8 32	3°46'57	3♏ 3	19°56	10°47	25°36	4°47	26°15	1°43	24° 6	19°58	28°36	27° 9	12°14	10°36	F 17
S 18	14 12 28	4°45'00	15° 2	20°R 0	11° 8	26° 4	5° 1	26°18	1°41	24° 4	19°59	28°31	27° 6	12°21	10°41	S 18
S 19	14 16 25	5°43'01	27° 8	19°59	11°27	26°33	5°14	26°21	1°39	24° 3	19°59	28°24	27° 3	12°28	10°45	S 19
M20	14 20 21	6°41'00	9♐24	19°54	11°45	27° 2	5°28	26°24	1°37	24° 1	20° 0	28°17	27° 0	12°34	10°49	M20
T 21	14 24 18	7°38'58	21°50	19°43	12° 0	27°31	5°41	26°27	1°35	23°59	20° 1	28°11	26°56	12°41	10°53	T 21
W22	14 28 14	8°36'55	4♑29	19°28	12°13	28° 0	5°54	26°31	1°33	23°58	20° 1	28° 5	26°53	12°48	10°57	W22
T 23	14 32 11	9°34'50	17°22	19° 9	12°25	28°30	6° 8	26°34	1°31	23°56	20° 2	28° 1	26°50	12°54	11° 2	T 23
F 24	14 36 8	10°32'44	0♒32	18°45	12°34	28°59	6°21	26°38	1°30	23°55	20° 2	27°59	26°47	13° 1	11° 6	F 24
S 25	14 40 4	11°30'36	14° 0	18°19	12°41	29°29	6°34	26°41	1°28	23°53	20° 3	27°D59	26°44	13° 7	11°10	S 25
S 26	14 44 1	12°28'28	27°48	17°50	12°46	29°59	6°47	26°45	1°26	23°52	20° 3	28° 0	26°41	13°14	11°14	S 26
M27	14 47 57	13°26'18	11♓57	17°18	12°48	0♌29	7° 0	26°49	1°24	23°50	20° 4	28° 1	26°37	13°21	11°18	M27
T 28	14 51 54	14°24'07	26°26	16°45	12°R48	0°59	7°13	26°53	1°23	23°49	20° 4	28°R 1	26°34	13°27	11°23	T 28
W29	14 55 50	15°21'54	11♈12	16°10	12°46	1°29	7°26	26°57	1°21	23°47	20° 4	28° 1	26°31	13°34	11°27	W29
T 30	14 59 47	16♉19'40	26♈10	15♉35	12♊42	2♌ 0	7♈39	27♋ 1	1♎19	23♎46	20♒ 5	27♓58	26♓28	13♎41	11♉31	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	7n11	1n19	0n20	15n51	2n10	25n 1	4n32	24n32	2n17	0s36	1s 7	21n43	0n39	0s14	0n45	7s48	1n52	24s56	10s33	0s27	0s48	5s11	13n18	1s30
T 2	7 33	8 33	1 42	16 27	2 18	25 12	4 34	24 27	2 16	0 30	1 7	21 43	0 39	0 13	0 45	7 48	1 52	24 56	10 33	0 27	0 49	5 14	13 19	1 30
F 3	7 55	15 18	2 57	17 1	2 25	25 24	4 37	24 22	2 15	0 24	1 7	21 43	0 39	0 12	0 45	7 47	1 52	24 56	10 33	0 28	0 50	5 18	13 20	1 30
S 4	8 17	21 3	3 58	17 32	2 32	25 34	4 40	24 17	2 14	0 19	1 7	21 42	0 39	0 12	0 45	7 46	1 52	24 56	10 34	0 29	0 52	5 21	13 21	1 30
S 5	8 39	25 23	4 43	18 0	2 37	25 44	4 42	24 12	2 12	0 13	1 7	21 42	0 39	0 11	0 45	7 46	1 52	24 56	10 34	0 30	0 53	5 25	13 23	1 30
M 6	9 1	28 0	5 8	18 26	2 42	25 54	4 44	24 7	2 11	0 8	1 8	21 42	0 39	0 10	0 45	7 45	1 52	24 56	10 34	0 31	0 54	5 28	13 24	1 30
T 7	9 23	28 46	5 14	18 48	2 45	26 3	4 46	24 2	2 10	0 2	1 8	21 42	0 39	0 9	0 45	7 45	1 52	24 55	10 35	0 32	0 56	5 31	13 25	1 30
W 8	9 44	27 49	5 3	19 8	2 48	26 11	4 48	23 57	2 9	0n 3	1 8	21 41	0 39	0 8	0 45	7 44	1 52	24 55	10 35	0 33	0 57	5 35	13 26	1 30
T 9	10 5	25 22	4 37	19 26	2 49	26 19	4 50	23 51	2 8	0 9	1 8	21 41	0 39	0 7	0 45	7 43	1 52	24 55	10 35	0 33	0 58	5 38	13 27	1 30
F 10	10 27	21 44	3 58	19 40	2 50	26 26	4 51	23 45	2 7	0 14	1 8	21 40	0 39	0 6	0 45	7 43	1 52	24 55	10 35	0 33	0 59	5 42	13 29	1 31
S 11	10 48	17 15	3 9	19 52	2 49	26 33	4 52	23 40	2 6	0 20	1 8	21 40	0 39	0 5	0 45	7 42	1 52	24 55	10 36	0 33	1 1	5 45	13 30	1 31
S 12	11 8	12 10	2 12	20 1	2 48	26 39	4 53	23 34	2 5	0 25	1 8	21 40	0 39	0 4	0 45	7 42	1 52	24 55	10 36	0 32	1 2	5 48	13 31	1 31
M13	11 29	6 43	1 10	20 7	2 45	26 44	4 54	23 28	2 3	0 30	1 8	21 39	0 39	0 3	0 45	7 41	1 52	24 56	10 36	0 31	1 3	5 52	13 32	1 31
T 14	11 49	1 4	0 6	20 10	2 41	26 49	4 54	23 22	2 2	0 36	1 8	21 39	0 39	0 3	0 45	7 40	1 52	24 56	10 37	0 31	1 4	5 55	13 34	1 31
W15	12 10	4s37	0s58	20 11	2 36	26 53	4 55	23 16	2 1	0 41	1 8	21 38	0 39	0 2	0 45	7 40	1 52	24 56	10 37	0 31	1 6	5 59	13 35	1 31
T 16	12 30	10 8	2 0	20 9	2 29	26 57	4 54	23 10	2 0	0 47	1 8	21 38	0 39	0 1	0 45	7 39	1 52	24 56	10 37	0 32	1 7	6 2	13 36	1 31
F 17	12 50	15 20	2 56	20 4	2 22	27 0	4 54	23 4	1 59	0 52	1 8	21 37	0 39	0 0	0 45	7 39	1 52	24 56	10 38	0 34	1 8	6 5	13 37	1 31
S 18	13 9	20 0	3 46	19 57	2 13	27 2	4 53	22 57	1 58	0 57	1 9	21 37	0 39	0n 1	0 45	7 38	1 52	24 56	10 38	0 36	1 9	6 9	13 39	1 31
S 19	13 29	23 54	4 26	19 47	2 3	27 4	4 52	22 51	1 57	1 2	1 9	21 36	0 39	0 1	0 45	7 37	1 52	24 56	10 38	0 38	1 11	6 12	13 40	1 31
M20	13 48	26 47	4 53	19 35	1 52	27 5	4 51	22 44	1 56	1 8	1 9	21 36	0 39	0 2	0 45	7 37	1 52	24 56	10 39	0 41	1 12	6 16	13 41	1 31
T 21	14 7	28 24	5 8	19 20	1 40	27 5	4 49	22 37	1 55	1 13	1 9	21 35	0 39	0 3	0 45	7 36	1 52	24 56	10 39	0 44	1 13	6 19	13 42	1 31
W22	14 26	28 35	5 8	19 3	1 27	27 5	4 47	22 30	1 54	1 18	1 9	21 34	0 39	0 4	0 45	7 36	1 52	24 56	10 39	0 46	1 15	6 22	13 43	1 31
T 23	14 44	27 14	4 53	18 44	1 12	27 4	4 44	22 23	1 53	1 23	1 9	21 34	0 39	0 4	0 45	7 35	1 52	24 56	10 40	0 47	1 16	6 26	13 45	1 31
F 24	15 3	24 22	4 22	18 23	0 57	27 2	4 41	22 16	1 52	1 28	1 9	21 33	0 39	0 5	0 45	7 35	1 52	24 56	10 40	0 48	1 17	6 29	13 46	1 32
S 25	15 21	20 8	3 36	18 1	0 41	27 0	4 38	22 9	1 51	1 33	1 9	21 32	0 39	0 6	0 44	7 34	1 52	24 57	10 40	0 48	1 18	6 33	13 47	1 32
S 26	15 38	14 44	2 36	17 37	0 25	26 57	4 34	22 1	1 50	1 39	1 9	21 32	0 39	0 6	0 44	7 34	1 52	24 57	10 40	0 48	1 20	6 36	13 48	1 32
M27	15 56	8 26	1 26	17 12	0 8	26 53	4 30	21 54	1 49	1 44	1 10	21 31	0 39	0 7	0 44	7 33	1 52	24 57	10 41	0 48	1 21	6 39	13 50	1 32
T 28	16 13	1 33	0 9	16 46	0s 9	26 48	4 25	21 46	1 48	1 49	1 10	21 30	0 39	0 8	0 44	7 32	1 52	24 57	10 41	0 47	1 22	6 43	13 51	1 32
W29	16 30	5n32	1n11	16 19	0 27	26 43	4 20	21 39	1 47	1 54	1 10	21 29	0 39	0 8	0 44	7 32	1 52	24 57	10 41	0 48	1 23	6 46	13 52	1 32
T 30	16n47	12n24	2n26	15n52	0s44	26n37	4n14	21n31	1n46	1n59	1s10	21n29	0n39	0n 9	0n44	7s31	1n52	24s57	10s42	0s49	1s25	6s49	13n53	1s32

Julian Day Number = 2195607.5, Delta T = 10m25s
Ecliptic obliquity = 23°31'59, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°58'02, Lahiri = 14°05'02 Julian Calendar 1 Apr. 1299 == Greg. Calendar 8 Apr. 1299

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

MAY 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	15 3 43	17♉17'26	11♉12	15°R 0	12°R35	2♌30	7♈52	27♋ 5	1°R18	23°R44	20♒ 5	27°R53	26♓25	13♎47	11♉35	F 1
S 2	15 7 40	18°15'09	26° 9	14♉26	12♊25	3° 1	8° 4	27° 9	1♎16	23♎43	20° 5	27♓47	26°21	13°54	11°39	S 2
S 3	15 11 37	19°12'52	10♊52	13°53	12°14	3°32	8°17	27°13	1°15	23°41	20° 6	27°39	26°18	14° 1	11°43	S 3
M 4	15 15 33	20°10'33	25°13	13°21	11°59	4° 3	8°30	27°18	1°13	23°40	20° 6	27°31	26°15	14° 7	11°48	M 4
T 5	15 19 30	21° 8'13	9♋ 9	12°52	11°43	4°34	8°42	27°22	1°12	23°38	20° 6	27°24	26°12	14°14	11°52	T 5
W 6	15 23 26	22° 5'51	22°36	12°26	11°24	5° 5	8°54	27°27	1°11	23°37	20° 6	27°18	26° 9	14°21	11°56	W 6
T 7	15 27 23	23° 3'27	5♌36	12° 3	11° 3	5°36	9° 7	27°31	1° 9	23°36	20° 7	27°14	26° 6	14°27	12° 0	T 7
F 8	15 31 19	24° 1'02	18°12	11°44	10°39	6° 8	9°19	27°36	1° 8	23°34	20° 7	27°13	26° 2	14°34	12° 4	F 8
S 9	15 35 16	24°58'36	0♍28	11°28	10°14	6°39	9°31	27°41	1° 7	23°33	20° 7	27°D13	25°59	14°41	12° 8	S 9
S 10	15 39 12	25°56'08	12°29	11°16	9°46	7°11	9°43	27°46	1° 6	23°32	20° 7	27°14	25°56	14°47	12°12	S 10
M11	15 43 9	26°53'38	24°21	11° 9	9°16	7°43	9°55	27°51	1° 5	23°30	20° 7	27°R14	25°53	14°54	12°17	M11
T 12	15 47 6	27°51'07	6♎ 9	11°D 6	8°45	8°15	10° 7	27°56	1° 4	23°29	20° 7	27°14	25°50	15° 1	12°21	T 12
W13	15 51 2	28°48'35	17°56	11° 7	8°12	8°47	10°19	28° 1	1° 3	23°28	20° 7	27°12	25°47	15° 7	12°25	W13
T 14	15 54 59	29°46'02	29°48	11°13	7°38	9°19	10°31	28° 6	1° 2	23°26	20°R 7	27° 7	25°43	15°14	12°29	T 14
F 15	15 58 55	0♊43'28	11♏47	11°23	7° 3	9°51	10°43	28°11	1° 1	23°25	20° 7	27° 0	25°40	15°21	12°33	F 15
S 16	16 2 52	1°40'52	23°55	11°38	6°27	10°24	10°54	28°17	1° 0	23°24	20° 7	26°51	25°37	15°27	12°37	S 16
S 17	16 6 48	2°38'16	6♐15	11°58	5°50	10°56	11° 6	28°22	0°59	23°23	20° 7	26°40	25°34	15°34	12°41	S 17
M18	16 10 45	3°35'38	18°46	12°21	5°12	11°29	11°17	28°27	0°58	23°22	20° 7	26°28	25°31	15°40	12°45	M18
T 19	16 14 41	4°33'00	1♑29	12°49	4°34	12° 1	11°29	28°33	0°58	23°21	20° 7	26°17	25°27	15°47	12°49	T 19
W20	16 18 38	5°30'21	14°24	13°21	3°57	12°34	11°40	28°38	0°57	23°19	20° 7	26° 7	25°24	15°54	12°53	W20
T 21	16 22 35	6°27'42	27°30	13°58	3°19	13° 7	11°51	28°44	0°56	23°18	20° 7	25°59	25°21	16° 0	12°57	T 21
F 22	16 26 31	7°25'01	10♒50	14°38	2°42	13°40	12° 2	28°50	0°56	23°17	20° 6	25°54	25°18	16° 7	13° 1	F 22
S 23	16 30 28	8°22'21	24°22	15°23	2° 6	14°13	12°13	28°56	0°55	23°16	20° 6	25°52	25°15	16°14	13° 5	S 23
S 24	16 34 24	9°19'39	8♓ 8	16°11	1°31	14°46	12°24	29° 1	0°55	23°15	20° 6	25°D51	25°12	16°20	13° 9	S 24
M25	16 38 21	10°16'57	22° 8	17° 3	0°56	15°19	12°35	29° 7	0°54	23°14	20° 6	25°R51	25° 8	16°27	13°12	M25
T 26	16 42 17	11°14'15	6♈22	17°59	0°24	15°52	12°45	29°13	0°54	23°13	20° 5	25°51	25° 5	16°34	13°16	T 26
W27	16 46 14	12°11'33	20°49	18°59	29♉53	16°26	12°56	29°19	0°54	23°12	20° 5	25°49	25° 2	16°40	13°20	W27
T 28	16 50 10	13° 8'50	5♉26	20° 2	29°23	16°59	13° 7	29°25	0°54	23°11	20° 5	25°45	24°59	16°47	13°24	T 28
F 29	16 54 7	14° 6'07	20° 7	21° 8	28°55	17°33	13°17	29°32	0°53	23°10	20° 4	25°38	24°56	16°54	13°28	F 29
S 30	16 58 4	15° 3'23	4♊45	22°18	28°30	18° 7	13°27	29°38	0°53	23° 9	20° 4	25°29	24°53	17° 0	13°31	S 30
S 31	17 2 0	16♊ 0'39	19♊14	23♉32	28♉ 6	18♌40	13♈37	29♋44	0♎53	23♎ 9	20♒ 4	25♓18	24♓49	17♎ 7	13♉35	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17n 4	18n36	3n31	15n25	1s 1	26n30	4n 8	21n23	1n45	2n 4	1s10	21n28	0n39	0n10	0n44	7s31	1n52	24s58	10s42	0s51	1s26	6s53	13n54	1s32
S 2	17 20	23 36	4 22	14 59	1 18	26 22	4 2	21 15	1 44	2 8	1 10	21 27	0 39	0 10	0 44	7 30	1 52	24 58	10 42	0 53	1 27	6 56	13 56	1 32
S 3	17 36	27 0	4 54	14 33	1 35	26 13	3 54	21 7	1 43	2 13	1 10	21 26	0 39	0 11	0 44	7 30	1 52	24 58	10 43	0 56	1 28	7 0	13 57	1 32
M 4	17 51	28 33	5 6	14 9	1 51	26 3	3 46	20 58	1 42	2 18	1 10	21 25	0 39	0 11	0 44	7 29	1 52	24 58	10 43	1 0	1 30	7 3	13 58	1 32
T 5	18 7	28 13	5 0	13 46	2 6	25 53	3 38	20 50	1 41	2 23	1 10	21 25	0 39	0 12	0 44	7 29	1 52	24 58	10 43	1 2	1 31	7 6	13 59	1 33
W 6	18 22	26 12	4 38	13 24	2 20	25 41	3 29	20 42	1 40	2 28	1 11	21 24	0 39	0 12	0 44	7 28	1 52	24 59	10 44	1 5	1 32	7 10	14 0	1 33
T 7	18 37	22 50	4 1	13 4	2 34	25 29	3 20	20 33	1 39	2 33	1 11	21 23	0 39	0 13	0 44	7 28	1 52	24 59	10 44	1 6	1 34	7 13	14 2	1 33
F 8	18 51	18 30	3 14	12 47	2 46	25 16	3 10	20 24	1 39	2 37	1 11	21 22	0 39	0 13	0 44	7 27	1 52	24 59	10 44	1 7	1 35	7 16	14 3	1 33
S 9	19 5	13 31	2 19	12 31	2 58	25 2	2 59	20 15	1 38	2 42	1 11	21 21	0 39	0 14	0 44	7 27	1 52	24 59	10 45	1 7	1 36	7 20	14 4	1 33
S 10	19 19	8 6	1 18	12 18	3 8	24 47	2 48	20 6	1 37	2 47	1 11	21 20	0 39	0 14	0 44	7 26	1 52	25 0	10 45	1 6	1 37	7 23	14 5	1 33
M11	19 32	2 29	0 15	12 7	3 17	24 31	2 37	19 57	1 36	2 51	1 11	21 19	0 39	0 14	0 44	7 26	1 52	25 0	10 45	1 6	1 39	7 26	14 6	1 33
T 12	19 46	3s11	0s48	11 58	3 25	24 14	2 25	19 48	1 35	2 56	1 11	21 18	0 40	0 15	0 44	7 26	1 52	25 0	10 46	1 6	1 40	7 30	14 7	1 33
W13	19 58	8 44	1 48	11 52	3 32	23 57	2 13	19 39	1 34	3 0	1 12	21 17	0 40	0 15	0 44	7 25	1 52	25 1	10 46	1 7	1 41	7 33	14 8	1 33
T 14	20 11	14 1	2 45	11 48	3 38	23 39	2 0	19 29	1 33	3 5	1 12	21 16	0 40	0 16	0 44	7 25	1 52	25 1	10 46	1 9	1 42	7 37	14 10	1 33
F 15	20 23	18 49	3 34	11 47	3 42	23 20	1 47	19 20	1 32	3 9	1 12	21 15	0 40	0 16	0 44	7 24	1 52	25 1	10 47	1 12	1 44	7 40	14 11	1 34
S 16	20 35	22 56	4 15	11 48	3 46	23 0	1 33	19 10	1 31	3 14	1 12	21 14	0 40	0 16	0 44	7 24	1 52	25 2	10 47	1 16	1 45	7 43	14 12	1 34
S 17	20 46	26 5	4 44	11 51	3 49	22 40	1 20	19 0	1 30	3 18	1 12	21 13	0 40	0 16	0 44	7 23	1 51	25 2	10 47	1 20	1 46	7 47	14 13	1 34
M18	20 57	28 2	5 0	11 57	3 50	22 20	1 6	18 50	1 30	3 22	1 12	21 12	0 40	0 17	0 44	7 23	1 51	25 2	10 48	1 25	1 47	7 50	14 14	1 34
T 19	21 8	28 33	5 1	12 5	3 51	21 59	0 52	18 40	1 29	3 27	1 13	21 11	0 40	0 17	0 44	7 23	1 51	25 3	10 48	1 29	1 49	7 53	14 15	1 34
W20	21 18	27 31	4 47	12 15	3 50	21 38	0 38	18 30	1 28	3 31	1 13	21 10	0 40	0 17	0 44	7 22	1 51	25 3	10 48	1 33	1 50	7 57	14 16	1 34
T 21	21 28	24 58	4 18	12 27	3 49	21 17	0 24	18 20	1 27	3 35	1 13	21 9	0 40	0 17	0 44	7 22	1 51	25 3	10 49	1 36	1 51	8 0	14 17	1 34
F 22	21 38	21 2	3 35	12 41	3 47	20 56	0 10	18 10	1 26	3 39	1 13	21 7	0 40	0 18	0 43	7 22	1 51	25 4	10 49	1 38	1 53	8 3	14 18	1 34
S 23	21 47	15 57	2 39	12 57	3 43	20 35	0s 4	17 59	1 25	3 43	1 13	21 6	0 40	0 18	0 43	7 21	1 51	25 4	10 49	1 39	1 54	8 7	14 19	1 35
S 24	21 56	9 59	1 33	13 14	3 40	20 15	0 18	17 49	1 24	3 48	1 13	21 5	0 40	0 18	0 43	7 21	1 51	25 4	10 50	1 39	1 55	8 10	14 20	1 35
M25	22 5	3 26	0 20	13 33	3 35	19 54	0 32	17 38	1 24	3 52	1 14	21 4	0 40	0 18	0 43	7 21	1 51	25 5	10 50	1 39	1 56	8 13	14 22	1 35
T 26	22 13	3n23	0n55	13 54	3 30	19 34	0 46	17 27	1 23	3 56	1 14	21 3	0 40	0 18	0 43	7 20	1 51	25 5	10 50	1 39	1 58	8 17	14 23	1 35
W27	22 21	10 8	2 8	14 16	3 24	19 15	0 59	17 16	1 22	4 0	1 14	21 1	0 40	0 18	0 43	7 20	1 51	25 6	10 50	1 40	1 59	8 20	14 24	1 35
T 28	22 28	16 25	3 13	14 39	3 17	18 56	1 12	17 5	1 21	4 3	1 14	21 0	0 40	0 18	0 43	7 20	1 51	25 6	10 51	1 42	2 0	8 23	14 25	1 35
F 29	22 35	21 47	4 6	15 4	3 10	18 37	1 25	16 54	1 20	4 7	1 14	20 59	0 40	0 18	0 43	7 19	1 51	25 6	10 51	1 45	2 1	8 27	14 26	1 35
S 30	22 41	25 47	4 42	15 29	3 2	18 20	1 37	16 43	1 19	4 11	1 14	20 58	0 40	0 18	0 43	7 19	1 51	25 7	10 51	1 48	2 3	8 30	14 27	1 35
S 31	22n48	28n 4	4n59	15n56	2s53	18n 3	1s49	16n32	1n19	4n15	1s15	20n56	0n40	0n18	0n43	7s19	1n51	25s 7	10s52	1s53	2s 4	8s33	14n28	1s36

Julian Day Number = 2195637.5, Delta T = 10m25s
Ecliptic obliquity = 23°31'58, Nutation = - 0°00'00, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°58'06, Lahiri = 14°05'06 Julian Calendar 1 May 1299 == Greg. Calendar 8 May 1299

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

JUNE 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	17 5 57	16♊57'54	3♋27	24♉49	27°R45	19♌14	13♈47	29♋50	0°D53	23°R 8	20°R 3	25°R 6	24♓46	17♎14	13♉39	M 1
T 2	17 9 53	17°55'09	17°17	26° 9	27♉26	19°48	13°57	29°57	0♎53	23♎ 7	20♒ 3	24♓56	24°43	17°20	13°43	T 2
W 3	17 13 50	18°52'23	0♌42	27°33	27° 9	20°22	14° 7	0♌ 3	0°53	23° 6	20° 2	24°47	24°40	17°27	13°46	W 3
T 4	17 17 46	19°49'37	13°43	28°59	26°54	20°56	14°17	0°10	0°53	23° 6	20° 2	24°40	24°37	17°34	13°50	T 4
F 5	17 21 43	20°46'50	26°20	0♊29	26°42	21°31	14°26	0°16	0°53	23° 5	20° 1	24°37	24°33	17°40	13°53	F 5
S 6	17 25 40	21°44'02	8♍37	2° 2	26°33	22° 5	14°36	0°23	0°54	23° 4	20° 1	24°35	24°30	17°47	13°57	S 6
S 7	17 29 36	22°41'14	20°39	3°39	26°25	22°39	14°45	0°29	0°54	23° 4	20° 0	24°35	24°27	17°54	14° 0	S 7
M 8	17 33 33	23°38'25	2♎32	5°18	26°20	23°14	14°54	0°36	0°54	23° 3	19°59	24°35	24°24	18° 0	14° 4	M 8
T 9	17 37 29	24°35'35	14°21	7° 1	26°18	23°48	15° 3	0°43	0°55	23° 2	19°59	24°34	24°21	18° 7	14° 7	T 9
W10	17 41 26	25°32'45	26°10	8°46	26°D17	24°23	15°12	0°49	0°55	23° 2	19°58	24°31	24°18	18°14	14°11	W10
T 11	17 45 22	26°29'55	8♏ 6	10°35	26°19	24°58	15°21	0°56	0°56	23° 1	19°58	24°26	24°14	18°20	14°14	T 11
F 12	17 49 19	27°27'05	20°11	12°26	26°24	25°33	15°30	1° 3	0°56	23° 1	19°57	24°18	24°11	18°27	14°18	F 12
S 13	17 53 15	28°24'14	2♐29	14°20	26°30	26° 7	15°39	1°10	0°57	23° 0	19°56	24° 8	24° 8	18°34	14°21	S 13
S 14	17 57 12	29°21'23	15° 2	16°17	26°39	26°42	15°47	1°17	0°57	23° 0	19°55	23°57	24° 5	18°40	14°24	S 14
M15	18 1 9	0♋18'32	27°50	18°15	26°49	27°17	15°55	1°24	0°58	22°59	19°55	23°44	24° 2	18°47	14°27	M15
T 16	18 5 5	1°15'41	10♌53	20°17	27° 2	27°52	16° 3	1°31	0°59	22°59	19°54	23°32	23°59	18°54	14°31	T 16
W17	18 9 2	2°12'50	24° 9	22°20	27°17	28°28	16°11	1°38	1° 0	22°59	19°53	23°21	23°55	19° 0	14°34	W17
T 18	18 12 58	3° 9'59	7♒37	24°25	27°34	29° 3	16°19	1°45	1° 1	22°58	19°52	23°12	23°52	19° 7	14°37	T 18
F 19	18 16 55	4° 7'08	21°15	26°31	27°52	29°38	16°27	1°52	1° 1	22°58	19°52	23° 7	23°49	19°14	14°40	F 19
S 20	18 20 51	5° 4'18	5♓ 2	28°39	28°13	0♍14	16°35	1°59	1° 2	22°58	19°51	23° 4	23°46	19°20	14°43	S 20
S 21	18 24 48	6° 1'28	18°56	0♋47	28°35	0°49	16°42	2° 6	1° 3	22°58	19°50	23°D 3	23°43	19°27	14°46	S 21
M22	18 28 44	6°58'38	2♈57	2°57	28°59	1°25	16°50	2°13	1° 4	22°57	19°49	23°R 3	23°39	19°33	14°49	M22
T 23	18 32 41	7°55'49	17° 5	5° 6	29°25	2° 0	16°57	2°21	1° 6	22°57	19°48	23° 3	23°36	19°40	14°52	T 23
W24	18 36 38	8°53'00	1♉18	7°16	29°52	2°36	17° 4	2°28	1° 7	22°57	19°47	23° 1	23°33	19°47	14°55	W24
T 25	18 40 34	9°50'13	15°35	9°25	0♊21	3°12	17°11	2°35	1° 8	22°57	19°46	22°57	23°30	19°53	14°58	T 25
F 26	18 44 31	10°47'25	29°52	11°34	0°51	3°47	17°17	2°43	1° 9	22°57	19°45	22°51	23°27	20° 0	15° 0	F 26
S 27	18 48 27	11°44'39	14♊ 5	13°42	1°22	4°23	17°24	2°50	1°11	22°D57	19°44	22°42	23°24	20° 7	15° 3	S 27
S 28	18 52 24	12°41'53	28°10	15°49	1°55	4°59	17°30	2°57	1°12	22°57	19°43	22°31	23°20	20°13	15° 6	S 28
M29	18 56 20	13°39'07	12♋ 2	17°55	2°30	5°35	17°37	3° 5	1°13	22°57	19°42	22°21	23°17	20°20	15° 9	M29
T 30	19 0 17	14♋36'22	25♋36	20♋ 0	3♊ 5	6♍12	17♈43	3♌12	1♎15	22♎57	19♒41	22♓10	23♓14	20♎27	15♉11	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	22n53	28n27	4n58	16n23	2s44	17n47	2s 0	16n20	1n18	4n19	1s15	20n55	0n40	0n18	0n43	7s19	1n51	25s 8	10s52	1s57	2s 5	8s37	14n29	1s36
T 2	22 59	27 1	4 39	16 51	2 35	17 32	2 11	16 9	1 17	4 22	1 15	20 54	0 40	0 18	0 43	7 18	1 51	25 8	10 52	2 1	2 6	8 40	14 29	1 36
W 3	23 4	24 3	4 4	17 20	2 25	17 18	2 21	15 57	1 16	4 26	1 15	20 52	0 40	0 18	0 43	7 18	1 51	25 8	10 53	2 5	2 8	8 43	14 30	1 36
T 4	23 8	19 56	3 18	17 49	2 15	17 5	2 31	15 46	1 15	4 30	1 15	20 51	0 40	0 18	0 43	7 18	1 51	25 9	10 53	2 7	2 9	8 47	14 31	1 36
F 5	23 13	15 2	2 24	18 19	2 4	16 53	2 41	15 34	1 14	4 33	1 16	20 50	0 40	0 18	0 43	7 18	1 51	25 9	10 53	2 9	2 10	8 50	14 32	1 36
S 6	23 16	9 40	1 24	18 48	1 53	16 42	2 50	15 22	1 14	4 37	1 16	20 48	0 40	0 18	0 43	7 17	1 51	25 10	10 54	2 10	2 11	8 53	14 33	1 36
S 7	23 20	4 2	0 21	19 18	1 42	16 32	2 59	15 10	1 13	4 40	1 16	20 47	0 40	0 18	0 43	7 17	1 51	25 10	10 54	2 10	2 13	8 56	14 34	1 37
M 8	23 23	1s39	0s42	19 47	1 30	16 23	3 7	14 58	1 12	4 43	1 16	20 46	0 41	0 18	0 43	7 17	1 50	25 11	10 54	2 10	2 14	9 0	14 35	1 37
T 9	23 25	7 15	1 43	20 16	1 19	16 15	3 14	14 45	1 11	4 47	1 16	20 44	0 41	0 17	0 43	7 17	1 50	25 11	10 54	2 10	2 15	9 3	14 36	1 37
W10	23 27	12 36	2 39	20 45	1 7	16 8	3 22	14 33	1 10	4 50	1 17	20 43	0 41	0 17	0 43	7 17	1 50	25 12	10 55	2 11	2 17	9 6	14 37	1 37
T 11	23 29	17 33	3 29	21 13	0 55	16 2	3 28	14 21	1 10	4 53	1 17	20 41	0 41	0 17	0 43	7 17	1 50	25 12	10 55	2 13	2 18	9 10	14 38	1 37
F 12	23 30	21 52	4 9	21 40	0 43	15 57	3 35	14 8	1 9	4 56	1 17	20 40	0 41	0 17	0 43	7 16	1 50	25 13	10 55	2 16	2 19	9 13	14 38	1 37
S 13	23 31	25 18	4 40	22 6	0 31	15 52	3 40	13 56	1 8	4 59	1 17	20 38	0 41	0 16	0 43	7 16	1 50	25 13	10 56	2 20	2 20	9 16	14 39	1 37
S 14	23 32	27 36	4 57	22 30	0 19	15 49	3 46	13 43	1 7	5 3	1 18	20 37	0 41	0 16	0 43	7 16	1 50	25 14	10 56	2 25	2 22	9 20	14 40	1 38
M15	23 32	28 30	5 0	22 53	0 8	15 47	3 51	13 30	1 6	5 6	1 18	20 35	0 41	0 16	0 42	7 16	1 50	25 14	10 56	2 30	2 23	9 23	14 41	1 38
T 16	23 32	27 51	4 47	23 14	0n 4	15 45	3 55	13 17	1 6	5 8	1 18	20 34	0 41	0 15	0 42	7 16	1 50	25 15	10 56	2 35	2 24	9 26	14 42	1 38
W17	23 31	25 36	4 19	23 33	0 15	15 44	4 0	13 4	1 5	5 11	1 18	20 32	0 41	0 15	0 42	7 16	1 50	25 15	10 57	2 39	2 25	9 29	14 43	1 38
T 18	23 30	21 54	3 36	23 50	0 25	15 44	4 3	12 51	1 4	5 14	1 18	20 31	0 41	0 15	0 42	7 16	1 50	25 16	10 57	2 42	2 27	9 33	14 43	1 38
F 19	23 28	16 59	2 40	24 5	0 35	15 45	4 7	12 38	1 3	5 17	1 19	20 29	0 41	0 14	0 42	7 16	1 50	25 16	10 57	2 45	2 28	9 36	14 44	1 38
S 20	23 26	11 10	1 34	24 17	0 45	15 47	4 10	12 25	1 3	5 20	1 19	20 28	0 41	0 14	0 42	7 16	1 50	25 17	10 57	2 46	2 29	9 39	14 45	1 39
S 21	23 24	4 44	0 22	24 26	0 54	15 49	4 13	12 11	1 2	5 22	1 19	20 26	0 41	0 13	0 42	7 16	1 50	25 17	10 58	2 46	2 30	9 43	14 46	1 39
M22	23 21	1n59	0n52	24 33	1 3	15 52	4 15	11 58	1 1	5 25	1 19	20 25	0 41	0 13	0 42	7 16	1 50	25 18	10 58	2 46	2 32	9 46	14 46	1 39
T 23	23 18	8 38	2 4	24 37	1 11	15 55	4 17	11 44	1 0	5 28	1 20	20 23	0 41	0 12	0 42	7 16	1 50	25 18	10 58	2 46	2 33	9 49	14 47	1 39
W24	23 14	14 54	3 8	24 38	1 18	15 59	4 19	11 31	1 0	5 30	1 20	20 21	0 41	0 12	0 42	7 16	1 50	25 19	10 58	2 47	2 34	9 52	14 48	1 39
T 25	23 10	20 24	4 1	24 36	1 24	16 3	4 21	11 17	0 59	5 32	1 20	20 20	0 41	0 11	0 42	7 16	1 50	25 19	10 59	2 49	2 35	9 56	14 48	1 39
F 26	23 6	24 44	4 38	24 31	1 30	16 8	4 22	11 3	0 58	5 35	1 20	20 18	0 41	0 11	0 42	7 16	1 49	25 20	10 59	2 51	2 37	9 59	14 49	1 40
S 27	23 1	27 31	4 59	24 24	1 35	16 14	4 23	10 50	0 57	5 37	1 21	20 17	0 41	0 10	0 42	7 16	1 49	25 20	10 59	2 55	2 38	10 2	14 50	1 40
S 28	22 55	28 32	5 1	24 14	1 39	16 19	4 23	10 36	0 57	5 39	1 21	20 15	0 42	0 10	0 42	7 16	1 49	25 21	10 59	2 59	2 39	10 5	14 50	1 40
M29	22 50	27 43	4 45	24 1	1 43	16 26	4 24	10 22	0 56	5 41	1 21	20 13	0 42	0 9	0 42	7 16	1 49	25 21	10 59	3 3	2 40	10 9	14 51	1 40
T 30	22n44	25n15	4n13	23n46	1n45	16n32	4s24	10n 8	0n55	5n44	1s21	20n12	0n42	0n 9	0n42	7s16	1n49	25s22	11s 0	3s 7	2s42	10s12	14n51	1s40

Julian Day Number = 2195668.5, Delta T = 10m25s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°58'10, Lahiri = 14°05'10 Julian Calendar 1 June 1299 == Greg. Calendar 8 June 1299

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

JULY 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	19 4 14	15♋33'37	8♌50	22♋ 4	3♊42	6♍48	17♈49	3♌20	1♎16	22♎57	19°R40	22°R 2	23♓11	20♎33	15♉14	W 1
T 2	19 8 10	16°30'52	21°43	24° 6	4°20	7°24	17°54	3°27	1°18	22°57	19♒39	21♓56	23° 8	20°40	15°16	T 2
F 3	19 12 7	17°28'08	4♍17	26° 6	4°59	8° 0	18° 0	3°35	1°19	22°57	19°38	21°52	23° 5	20°47	15°19	F 3
S 4	19 16 3	18°25'24	16°32	28° 5	5°39	8°37	18° 6	3°42	1°21	22°58	19°37	21°D51	23° 1	20°53	15°21	S 4
S 5	19 20 0	19°22'41	28°34	0♌ 2	6°20	9°13	18°11	3°50	1°23	22°58	19°36	21°51	22°58	21° 0	15°24	S 5
M 6	19 23 56	20°19'57	10♎28	1°58	7° 2	9°50	18°16	3°57	1°25	22°58	19°35	21°51	22°55	21° 7	15°26	M 6
T 7	19 27 53	21°17'15	22°17	3°52	7°45	10°26	18°21	4° 5	1°26	22°58	19°34	21°R52	22°52	21°13	15°28	T 7
W 8	19 31 49	22°14'32	4♏ 8	5°44	8°29	11° 3	18°26	4°12	1°28	22°59	19°33	21°51	22°49	21°20	15°30	W 8
T 9	19 35 46	23°11'51	16° 6	7°35	9°14	11°40	18°30	4°20	1°30	22°59	19°32	21°48	22°45	21°27	15°33	T 9
F 10	19 39 43	24° 9'09	28°16	9°23	9°59	12°17	18°35	4°28	1°32	22°59	19°31	21°43	22°42	21°33	15°35	F 10
S 11	19 43 39	25° 6'29	10♐40	11°11	10°46	12°54	18°39	4°35	1°34	23° 0	19°29	21°36	22°39	21°40	15°37	S 11
S 12	19 47 36	26° 3'49	23°22	12°56	11°33	13°30	18°43	4°43	1°36	23° 0	19°28	21°28	22°36	21°47	15°39	S 12
M13	19 51 32	27° 1'10	6♑24	14°40	12°21	14° 7	18°47	4°51	1°38	23° 1	19°27	21°19	22°33	21°53	15°41	M13
T 14	19 55 29	27°58'31	19°45	16°22	13°10	14°45	18°50	4°58	1°40	23° 1	19°26	21°10	22°30	22° 0	15°43	T 14
W15	19 59 25	28°55'53	3♒23	18° 2	14° 0	15°22	18°54	5° 6	1°42	23° 2	19°25	21° 2	22°26	22° 7	15°45	W15
T 16	20 3 22	29°53'17	17°15	19°41	14°50	15°59	18°57	5°14	1°45	23° 2	19°23	20°56	22°23	22°13	15°46	T 16
F 17	20 7 18	0♌50'41	1♓18	21°18	15°41	16°36	19° 0	5°21	1°47	23° 3	19°22	20°52	22°20	22°20	15°48	F 17
S 18	20 11 15	1°48'06	15°27	22°53	16°33	17°14	19° 3	5°29	1°49	23° 4	19°21	20°D51	22°17	22°27	15°50	S 18
S 19	20 15 12	2°45'33	29°40	24°27	17°25	17°51	19° 6	5°37	1°52	23° 4	19°20	20°51	22°14	22°33	15°51	S 19
M20	20 19 8	3°43'01	13♈54	25°59	18°18	18°28	19° 9	5°44	1°54	23° 5	19°19	20°52	22°11	22°40	15°53	M20
T 21	20 23 5	4°40'30	28° 6	27°29	19°11	19° 6	19°11	5°52	1°56	23° 6	19°17	20°R53	22° 7	22°47	15°54	T 21
W22	20 27 1	5°38'01	12♉15	28°58	20° 5	19°44	19°13	6° 0	1°59	23° 7	19°16	20°53	22° 4	22°53	15°56	W22
T 23	20 30 58	6°35'33	26°19	0♍25	21° 0	20°21	19°15	6° 7	2° 1	23° 7	19°15	20°51	22° 1	23° 0	15°57	T 23
F 24	20 34 54	7°33'07	10♊17	1°50	21°55	20°59	19°17	6°15	2° 4	23° 8	19°14	20°48	21°58	23° 7	15°59	F 24
S 25	20 38 51	8°30'42	24° 6	3°13	22°51	21°37	19°19	6°23	2° 6	23° 9	19°12	20°42	21°55	23°13	16° 0	S 25
S 26	20 42 47	9°28'19	7♋45	4°35	23°47	22°15	19°20	6°31	2° 9	23°10	19°11	20°36	21°51	23°20	16° 1	S 26
M27	20 46 44	10°25'57	21°11	5°55	24°43	22°53	19°22	6°38	2°12	23°11	19°10	20°29	21°48	23°27	16° 2	M27
T 28	20 50 41	11°23'36	4♌23	7°13	25°40	23°31	19°23	6°46	2°14	23°12	19° 8	20°23	21°45	23°33	16° 4	T 28
W29	20 54 37	12°21'17	17°19	8°29	26°38	24° 9	19°23	6°54	2°17	23°13	19° 7	20°18	21°42	23°40	16° 5	W29
T 30	20 58 34	13°18'59	29°58	9°44	27°36	24°47	19°24	7° 1	2°20	23°14	19° 6	20°14	21°39	23°47	16° 6	T 30
F 31	21 2 30	14♌16'42	12♍22	10♍56	28♊34	25♍25	19♈24	7♌ 9	2♎23	23♎15	19♒ 5	20♓13	21♓36	23♎53	16♉ 6	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22n37	21n28	3n28	23n29	1n47	16n39	4s24	9n53	0n54	5n46	1s22	20n10	0n42	0n 8	0n42	7s16	1n49	25s23	11s 0	3s10	2s43	10s15	14n52	1s40
T 2	22 30	16 44	2 33	23 10	1 49	16 46	4 24	9 39	0 54	5 48	1 22	20 8	0 42	0 7	0 42	7 16	1 49	25 23	11 0	3 13	2 44	10 18	14 53	1 41
F 3	22 23	11 25	1 32	22 48	1 49	16 53	4 23	9 25	0 53	5 49	1 22	20 6	0 42	0 7	0 42	7 16	1 49	25 24	11 0	3 14	2 46	10 22	14 53	1 41
S 4	22 16	5 46	0 28	22 25	1 49	17 1	4 23	9 11	0 52	5 51	1 22	20 5	0 42	0 6	0 42	7 16	1 49	25 24	11 1	3 15	2 47	10 25	14 54	1 41
S 5	22 8	0 1	0s36	21 59	1 49	17 9	4 22	8 56	0 51	5 53	1 23	20 3	0 42	0 5	0 42	7 17	1 49	25 25	11 1	3 15	2 48	10 28	14 54	1 41
M 6	21 59	5s39	1 38	21 32	1 47	17 17	4 21	8 42	0 51	5 55	1 23	20 1	0 42	0 4	0 42	7 17	1 49	25 25	11 1	3 15	2 49	10 31	14 55	1 41
T 7	21 50	11 7	2 35	21 4	1 45	17 25	4 20	8 27	0 50	5 56	1 23	20 0	0 42	0 4	0 42	7 17	1 49	25 26	11 1	3 14	2 51	10 35	14 55	1 41
W 8	21 41	16 11	3 26	20 34	1 43	17 33	4 18	8 12	0 49	5 58	1 23	19 58	0 42	0 3	0 42	7 17	1 49	25 26	11 1	3 15	2 52	10 38	14 56	1 42
T 9	21 32	20 41	4 9	20 3	1 40	17 41	4 17	7 58	0 48	6 0	1 24	19 56	0 42	0 2	0 41	7 17	1 49	25 27	11 2	3 16	2 53	10 41	14 56	1 42
F 10	21 22	24 24	4 41	19 31	1 36	17 50	4 15	7 43	0 48	6 1	1 24	19 54	0 42	0 1	0 41	7 17	1 49	25 27	11 2	3 18	2 54	10 44	14 56	1 42
S 11	21 12	27 5	5 0	18 58	1 32	17 58	4 13	7 28	0 47	6 2	1 24	19 53	0 42	0 0	0 41	7 18	1 49	25 28	11 2	3 20	2 56	10 48	14 57	1 42
S 12	21 1	28 27	5 5	18 24	1 27	18 6	4 11	7 13	0 46	6 4	1 24	19 51	0 42	0s 0	0 41	7 18	1 49	25 29	11 2	3 24	2 57	10 51	14 57	1 42
M13	20 50	28 17	4 55	17 49	1 23	18 15	4 9	6 58	0 45	6 5	1 25	19 49	0 43	0 1	0 41	7 18	1 48	25 29	11 2	3 27	2 58	10 54	14 58	1 43
T 14	20 39	26 30	4 29	17 13	1 17	18 23	4 7	6 43	0 45	6 6	1 25	19 47	0 43	0 2	0 41	7 18	1 48	25 30	11 2	3 31	2 59	10 57	14 58	1 43
W15	20 27	23 9	3 47	16 37	1 11	18 32	4 4	6 28	0 44	6 7	1 25	19 45	0 43	0 3	0 41	7 19	1 48	25 30	11 3	3 34	3 1	11 1	14 58	1 43
T 16	20 15	18 26	2 51	16 0	1 5	18 40	4 2	6 13	0 43	6 8	1 25	19 44	0 43	0 4	0 41	7 19	1 48	25 31	11 3	3 36	3 2	11 4	14 59	1 43
F 17	20 3	12 40	1 43	15 23	0 58	18 48	3 59	5 58	0 43	6 9	1 26	19 42	0 43	0 5	0 41	7 19	1 48	25 31	11 3	3 38	3 3	11 7	14 59	1 43
S 18	19 50	6 12	0 29	14 45	0 52	18 56	3 56	5 42	0 42	6 10	1 26	19 40	0 43	0 6	0 41	7 19	1 48	25 32	11 3	3 39	3 4	11 10	14 59	1 44
S 19	19 37	0n36	0n48	14 7	0 44	19 4	3 53	5 27	0 41	6 11	1 26	19 38	0 43	0 7	0 41	7 20	1 48	25 32	11 3	3 39	3 6	11 13	15 0	1 44
M20	19 24	7 22	2 1	13 29	0 37	19 12	3 50	5 12	0 40	6 12	1 26	19 36	0 43	0 8	0 41	7 20	1 48	25 33	11 3	3 38	3 7	11 17	15 0	1 44
T 21	19 10	13 45	3 7	12 51	0 29	19 19	3 47	4 56	0 40	6 12	1 27	19 35	0 43	0 9	0 41	7 20	1 48	25 33	11 3	3 38	3 8	11 20	15 0	1 44
W22	18 56	19 24	4 2	12 12	0 21	19 26	3 44	4 41	0 39	6 13	1 27	19 33	0 43	0 10	0 41	7 21	1 48	25 34	11 3	3 38	3 9	11 23	15 0	1 44
T 23	18 42	23 58	4 41	11 34	0 13	19 34	3 40	4 25	0 38	6 13	1 27	19 31	0 43	0 11	0 41	7 21	1 48	25 34	11 4	3 38	3 11	11 26	15 1	1 45
F 24	18 27	27 5	5 4	10 55	0 4	19 40	3 37	4 10	0 38	6 14	1 28	19 29	0 43	0 12	0 41	7 21	1 48	25 35	11 4	3 40	3 12	11 29	15 1	1 45
S 25	18 12	28 32	5 9	10 17	0s 5	19 47	3 34	3 54	0 37	6 14	1 28	19 27	0 43	0 13	0 41	7 22	1 48	25 36	11 4	3 42	3 13	11 33	15 1	1 45
S 26	17 57	28 13	4 56	9 39	0 14	19 53	3 30	3 39	0 36	6 14	1 28	19 25	0 44	0 14	0 41	7 22	1 48	25 36	11 4	3 44	3 14	11 36	15 1	1 45
M27	17 42	26 14	4 26	9 1	0 23	20 0	3 26	3 23	0 35	6 15	1 28	19 23	0 44	0 15	0 41	7 23	1 48	25 37	11 4	3 47	3 16	11 39	15 1	1 45
T 28	17 26	22 51	3 43	8 23	0 33	20 5	3 22	3 7	0 35	6 15	1 29	19 22	0 44	0 16	0 41	7 23	1 48	25 37	11 4	3 49	3 17	11 42	15 1	1 46
W29	17 10	18 24	2 49	7 46	0 42	20 11	3 19	2 51	0 34	6 15	1 29	19 20	0 44	0 17	0 41	7 23	1 48	25 38	11 4	3 51	3 18	11 45	15 2	1 46
T 30	16 53	13 13	1 48	7 9	0 52	20 16	3 15	2 35	0 33	6 15	1 29	19 18	0 44	0 18	0 41	7 24	1 48	25 38	11 4	3 53	3 20	11 49	15 2	1 46
F 31	16n37	7n36	0n43	6n33	1s 2	20n21	3s11	2n20	0n33	6n15	1s29	19n16	0n44	0s20	0n41	7s24	1n47	25s39	11s 4	3s54	3s21	11s52	15n 2	1s46

Julian Day Number = 2195698.5, Delta T = 10m25s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°58'14, Lahiri = 14°05'15 Julian Calendar 1 July 1299 == Greg. Calendar 8 July 1299

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

AUGUST 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	21 6 27	15♌14'26	24♍33	12♍ 6	29♊33	26♍ 3	19♈25	7♌17	2♎25	23♎16	19°R 3	20°D12	21♓32	24♎ 0	16♉ 7	S 1
S 2	21 10 23	16°12'12	6♎32	13°14	0♋32	26°42	19°R25	7°24	2°28	23°17	19♒ 2	20♓13	21°29	24° 7	16° 8	S 2
M 3	21 14 20	17° 9'59	18°24	14°20	1°31	27°20	19°25	7°32	2°31	23°18	19° 1	20°15	21°26	24°13	16° 9	M 3
T 4	21 18 16	18° 7'47	0♏13	15°23	2°31	27°58	19°24	7°40	2°34	23°19	18°59	20°17	21°23	24°20	16°10	T 4
W 5	21 22 13	19° 5'36	12° 4	16°24	3°32	28°37	19°24	7°47	2°37	23°20	18°58	20°18	21°20	24°27	16°10	W 5
T 6	21 26 10	20° 3'27	24° 2	17°22	4°32	29°16	19°23	7°55	2°40	23°22	18°57	20°R18	21°17	24°33	16°11	T 6
F 7	21 30 6	21° 1'18	6♐11	18°17	5°33	29°54	19°22	8° 2	2°43	23°23	18°55	20°17	21°13	24°40	16°11	F 7
S 8	21 34 3	21°59'12	18°37	19°10	6°34	0♎33	19°21	8°10	2°46	23°24	18°54	20°15	21°10	24°47	16°12	S 8
S 9	21 37 59	22°57'06	1♑22	19°59	7°36	1°12	19°19	8°17	2°49	23°25	18°53	20°11	21° 7	24°53	16°12	S 9
M10	21 41 56	23°55'02	14°30	20°45	8°38	1°50	19°18	8°25	2°52	23°27	18°52	20° 7	21° 4	25° 0	16°12	M10
T 11	21 45 52	24°53'00	28° 1	21°27	9°40	2°29	19°16	8°32	2°56	23°28	18°50	20° 4	21° 1	25° 7	16°13	T 11
W12	21 49 49	25°50'58	11♒54	22° 6	10°43	3° 8	19°14	8°40	2°59	23°29	18°49	20° 0	20°57	25°13	16°13	W12
T 13	21 53 45	26°48'59	26° 7	22°41	11°46	3°47	19°12	8°47	3° 2	23°31	18°48	19°58	20°54	25°20	16°13	T 13
F 14	21 57 42	27°47'01	10♓34	23°11	12°49	4°26	19°10	8°55	3° 5	23°32	18°46	19°57	20°51	25°27	16°13	F 14
S 15	22 1 39	28°45'04	25°10	23°38	13°52	5° 6	19° 7	9° 2	3° 8	23°34	18°45	19°D56	20°48	25°33	16°R13	S 15
S 16	22 5 35	29°43'10	9♈48	23°59	14°56	5°45	19° 4	9°10	3°12	23°35	18°44	19°57	20°45	25°40	16°13	S 16
M17	22 9 32	0♍41'17	24°24	24°15	16° 0	6°24	19° 1	9°17	3°15	23°37	18°43	19°58	20°42	25°47	16°13	M17
T 18	22 13 28	1°39'27	8♉51	24°26	17° 4	7° 3	18°58	9°24	3°18	23°38	18°41	20° 0	20°38	25°53	16°13	T 18
W19	22 17 25	2°37'38	23° 8	24°R31	18° 9	7°43	18°55	9°32	3°22	23°40	18°40	20° 0	20°35	26° 0	16°12	W19
T 20	22 21 21	3°35'52	7♊10	24°31	19°13	8°22	18°52	9°39	3°25	23°41	18°39	20°R 1	20°32	26° 7	16°12	T 20
F 21	22 25 18	4°34'08	20°58	24°24	20°18	9° 2	18°48	9°46	3°28	23°43	18°37	20° 0	20°29	26°13	16°12	F 21
S 22	22 29 14	5°32'26	4♋30	24°11	21°24	9°41	18°44	9°53	3°32	23°44	18°36	19°59	20°26	26°20	16°11	S 22
S 23	22 33 11	6°30'46	17°47	23°51	22°29	10°21	18°40	10° 1	3°35	23°46	18°35	19°57	20°23	26°27	16°11	S 23
M24	22 37 8	7°29'09	0♌50	23°24	23°35	11° 1	18°36	10° 8	3°39	23°48	18°34	19°55	20°19	26°33	16°10	M24
T 25	22 41 4	8°27'33	13°39	22°51	24°41	11°41	18°31	10°15	3°42	23°49	18°33	19°54	20°16	26°40	16°10	T 25
W26	22 45 1	9°25'59	26°14	22°12	25°47	12°20	18°27	10°22	3°46	23°51	18°31	19°52	20°13	26°47	16° 9	W26
T 27	22 48 57	10°24'27	8♍37	21°27	26°53	13° 0	18°22	10°29	3°49	23°53	18°30	19°52	20°10	26°54	16° 8	T 27
F 28	22 52 54	11°22'57	20°49	20°36	28° 0	13°40	18°17	10°36	3°53	23°55	18°29	19°D52	20° 7	27° 0	16° 7	F 28
S 29	22 56 50	12°21'29	2♎51	19°40	29° 6	14°20	18°12	10°43	3°57	23°56	18°28	19°52	20° 3	27° 7	16° 6	S 29
S 30	23 0 47	13°20'02	14°46	18°41	0♌13	15° 0	18° 7	10°50	4° 0	23°58	18°27	19°52	20° 0	27°14	16° 6	S 30
M31	23 4 43	14♍18'38	26♎36	17♍38	1♌21	15♎41	18♈ 1	10♌57	4♎ 4	24♎ 0	18♒25	19♓53	19♓57	27♎20	16♉ 5	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
S 1	16n20	1n49	0s24	5n57	1s11	20n25	3s 7	2n 4	0n32	6n15	1s30	19n14	0n44	0s21	0n41	7s25	1n47	25s39	11s 4	3s54	3s22	11s55	15n 2	1s46	S 1
S 2	16 3	3s57	1 28	5 22	1 21	20 29	3 3	1 48	0 31	6 14	1 30	19 12	0 44	0 22	0 41	7 25	1 47	25 40	11 5	3 53	3 23	11 58	15 2	1 47	S 2
M 3	15 45	9 31	2 28	4 47	1 32	20 33	2 59	1 32	0 31	6 14	1 30	19 10	0 44	0 23	0 41	7 26	1 47	25 40	11 5	3 53	3 25	12 1	15 2	1 47	M 3
T 4	15 27	14 44	3 22	4 13	1 42	20 36	2 55	1 16	0 30	6 14	1 30	19 8	0 44	0 24	0 41	7 26	1 47	25 41	11 5	3 52	3 26	12 4	15 2	1 47	T 4
W 5	15 9	19 25	4 7	3 40	1 52	20 39	2 50	1 0	0 29	6 13	1 31	19 7	0 44	0 25	0 41	7 27	1 47	25 41	11 5	3 52	3 27	12 8	15 2	1 47	W 5
T 6	14 51	23 24	4 41	3 8	2 2	20 41	2 46	0 44	0 28	6 13	1 31	19 5	0 45	0 27	0 41	7 27	1 47	25 41	11 5	3 51	3 28	12 11	15 2	1 47	T 6
F 7	14 33	26 25	5 4	2 38	2 12	20 43	2 42	0 28	0 28	6 12	1 31	19 3	0 45	0 28	0 41	7 28	1 47	25 42	11 5	3 52	3 30	12 14	15 2	1 48	F 7
S 8	14 14	28 15	5 13	2 8	2 22	20 45	2 37	0 12	0 27	6 11	1 31	19 1	0 45	0 29	0 40	7 28	1 47	25 42	11 5	3 53	3 31	12 17	15 2	1 48	S 8
S 9	13 55	28 39	5 8	1 39	2 32	20 46	2 33	0s 4	0 26	6 11	1 32	18 59	0 45	0 30	0 40	7 29	1 47	25 43	11 5	3 54	3 32	12 20	15 2	1 48	S 9
M10	13 36	27 29	4 46	1 12	2 42	20 47	2 29	0 21	0 26	6 10	1 32	18 57	0 45	0 32	0 40	7 29	1 47	25 43	11 5	3 56	3 33	12 23	15 1	1 48	M10
T 11	13 17	24 41	4 8	0 46	2 52	20 47	2 24	0 37	0 25	6 9	1 32	18 55	0 45	0 33	0 40	7 30	1 47	25 44	11 5	3 57	3 35	12 27	15 1	1 48	T 11
W12	12 57	20 24	3 14	0 22	3 1	20 47	2 20	0 53	0 24	6 8	1 32	18 53	0 45	0 34	0 40	7 30	1 47	25 44	11 5	3 58	3 36	12 30	15 1	1 49	W12
T 13	12 37	14 52	2 7	0 0	3 10	20 46	2 15	1 9	0 24	6 7	1 33	18 52	0 45	0 36	0 40	7 31	1 47	25 45	11 5	3 59	3 37	12 33	15 1	1 49	T 13
F 14	12 17	8 26	0 51	0s20	3 19	20 45	2 11	1 25	0 23	6 6	1 33	18 50	0 45	0 37	0 40	7 31	1 47	25 45	11 5	4 0	3 38	12 36	15 1	1 49	F 14
S 15	11 57	1 29	0n29	0 38	3 28	20 43	2 6	1 41	0 22	6 5	1 33	18 48	0 46	0 38	0 40	7 32	1 47	25 46	11 5	4 0	3 40	12 39	15 1	1 49	S 15
S 16	11 37	5n33	1 47	0 54	3 36	20 41	2 2	1 58	0 22	6 3	1 33	18 46	0 46	0 40	0 40	7 32	1 47	25 46	11 5	4 0	3 41	12 42	15 0	1 49	S 16
M17	11 16	12 16	2 59	1 8	3 44	20 38	1 57	2 14	0 21	6 2	1 34	18 44	0 46	0 41	0 40	7 33	1 47	25 46	11 5	3 59	3 42	12 45	15 0	1 50	M17
T 18	10 56	18 16	3 58	1 18	3 51	20 35	1 53	2 30	0 20	6 1	1 34	18 42	0 46	0 42	0 40	7 34	1 47	25 47	11 5	3 59	3 43	12 49	15 0	1 50	T 18
W19	10 35	23 10	4 42	1 26	3 57	20 31	1 48	2 46	0 20	5 59	1 34	18 40	0 46	0 44	0 40	7 34	1 47	25 47	11 5	3 58	3 45	12 52	15 0	1 50	W19
T 20	10 14	26 39	5 8	1 31	4 2	20 27	1 43	3 3	0 19	5 58	1 34	18 39	0 46	0 45	0 40	7 35	1 47	25 48	11 5	3 58	3 46	12 55	14 59	1 50	T 20
F 21	9 52	28 29	5 16	1 32	4 7	20 22	1 39	3 19	0 18	5 56	1 35	18 37	0 46	0 46	0 40	7 36	1 46	25 48	11 5	3 59	3 47	12 58	14 59	1 50	F 21
S 22	9 31	28 33	5 6	1 30	4 10	20 16	1 34	3 35	0 17	5 54	1 35	18 35	0 46	0 48	0 40	7 36	1 46	25 48	11 5	3 59	3 48	13 1	14 59	1 51	S 22
S 23	9 9	26 58	4 40	1 25	4 12	20 10	1 30	3 51	0 17	5 53	1 35	18 33	0 46	0 49	0 40	7 37	1 46	25 49	11 5	4 0	3 50	13 4	14 58	1 51	S 23
M24	8 48	23 56	3 59	1 15	4 13	20 4	1 25	4 8	0 16	5 51	1 35	18 31	0 47	0 51	0 40	7 37	1 46	25 49	11 5	4 0	3 51	13 7	14 58	1 51	M24
T 25	8 26	19 47	3 7	1 1	4 13	19 57	1 21	4 24	0 15	5 49	1 35	18 29	0 47	0 52	0 40	7 38	1 46	25 49	11 5	4 1	3 52	13 10	14 58	1 51	T 25
W26	8 4	14 49	2 7	0 44	4 11	19 49	1 16	4 40	0 15	5 47	1 36	18 28	0 47	0 53	0 40	7 39	1 46	25 50	11 5	4 2	3 53	13 13	14 57	1 51	W26
T 27	7 42	9 20	1 2	0 22	4 7	19 41	1 12	4 56	0 14	5 45	1 36	18 26	0 47	0 55	0 40	7 39	1 46	25 50	11 5	4 2	3 55	13 17	14 57	1 52	T 27
F 28	7 19	3 34	0s 5	0n 3	4 1	19 33	1 7	5 13	0 13	5 43	1 36	18 24	0 47	0 56	0 40	7 40	1 46	25 50	11 5	4 2	3 56	13 20	14 56	1 52	F 28
S 29	6 57	2s14	1 11	0 32	3 53	19 24	1 3	5 29	0 13	5 41	1 36	18 22	0 47	0 58	0 40	7 41	1 46	25 51	11 4	4 2	3 57	13 23	14 56	1 52	S 29
S 30	6 35	7 54	2 14	1 4	3 43	19 14	0 58	5 45	0 12	5 39	1 36	18 20	0 47	0 59	0 40	7 41	1 46	25 51	11 4	4 2	3 58	13 26	14 56	1 52	S 30
M31	6n12	13s15	3s10	1n39	3s32	19n 4	0s54	6s 1	0n11	5n36	1s37	18n19	0n47	1s 1	0n40	7s42	1n46	25s51	11s 4	4s 1	4s 0	13s29	14n55	1s52	M31

Julian Day Number = 2195729.5, Delta T = 10m25s
Ecliptic obliquity = 23°31'58, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°58'18, Lahiri = 14°05'19 Julian Calendar 1 Aug. 1299 == Greg. Calendar 8 Aug. 1299

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

SEPTEMBER 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	23 8 40	15♍17'15	8♏25	16°R35	2♌28	16♎21	17°R56	11♌ 4	4♎ 7	24♎ 2	18°R24	19♓53	19♓54	27♎27	16°R 4	T 1
W 2	23 12 37	16°15'54	20°15	15♍31	3°35	17° 1	17♈50	11°10	4°11	24° 4	18♒23	19°54	19°51	27°34	16♉ 2	W 2
T 3	23 16 33	17°14'35	2♐12	14°29	4°43	17°42	17°44	11°17	4°15	24° 6	18°22	19°54	19°48	27°40	16° 1	T 3
F 4	23 20 30	18°13'18	14°19	13°30	5°51	18°22	17°38	11°24	4°18	24° 7	18°21	19°R54	19°44	27°47	16° 0	F 4
S 5	23 24 26	19°12'02	26°42	12°36	6°59	19° 2	17°32	11°31	4°22	24° 9	18°20	19°54	19°41	27°54	15°59	S 5
S 6	23 28 23	20°10'49	9♑24	11°48	8° 7	19°43	17°26	11°37	4°26	24°11	18°19	19°D54	19°38	28° 0	15°57	S 6
M 7	23 32 19	21° 9'36	22°28	11° 7	9°16	20°24	17°19	11°44	4°29	24°13	18°18	19°54	19°35	28° 7	15°56	M 7
T 8	23 36 16	22° 8'26	5♒59	10°35	10°24	21° 4	17°13	11°50	4°33	24°15	18°17	19°55	19°32	28°14	15°54	T 8
W 9	23 40 12	23° 7'18	19°56	10°12	11°33	21°45	17° 6	11°57	4°37	24°17	18°16	19°55	19°29	28°20	15°53	W 9
T 10	23 44 9	24° 6'11	4♓17	9°59	12°42	22°26	16°59	12° 3	4°40	24°19	18°15	19°55	19°25	28°27	15°51	T 10
F 11	23 48 6	25° 5'06	18°59	9°D57	13°51	23° 7	16°52	12° 9	4°44	24°21	18°14	19°R55	19°22	28°34	15°50	F 11
S 12	23 52 2	26° 4'03	3♈56	10° 4	15° 0	23°48	16°45	12°16	4°48	24°23	18°13	19°55	19°19	28°40	15°48	S 12
S 13	23 55 59	27° 3'02	18°58	10°22	16° 9	24°29	16°38	12°22	4°52	24°25	18°12	19°55	19°16	28°47	15°46	S 13
M14	23 59 55	28° 2'04	3♉59	10°49	17°19	25°10	16°31	12°28	4°55	24°27	18°11	19°54	19°13	28°54	15°45	M14
T 15	0 3 52	29° 1'08	18°48	11°26	18°28	25°51	16°23	12°34	4°59	24°29	18°10	19°53	19° 9	29° 0	15°43	T 15
W16	0 7 48	0♎ 0'14	3♊21	12°12	19°38	26°32	16°16	12°40	5° 3	24°31	18° 9	19°52	19° 6	29° 7	15°41	W16
T 17	0 11 45	0°59'23	17°32	13° 5	20°48	27°13	16° 8	12°46	5° 7	24°33	18° 8	19°51	19° 3	29°14	15°39	T 17
F 18	0 15 41	1°58'34	1♋21	14° 7	21°58	27°54	16° 1	12°52	5°11	24°36	18° 7	19°D51	19° 0	29°20	15°37	F 18
S 19	0 19 38	2°57'47	14°47	15°15	23° 9	28°36	15°53	12°58	5°14	24°38	18° 6	19°51	18°57	29°27	15°35	S 19
S 20	0 23 35	3°57'03	27°52	16°29	24°19	29°17	15°45	13° 4	5°18	24°40	18° 5	19°52	18°54	29°34	15°33	S 20
M21	0 27 31	4°56'21	10♌38	17°48	25°29	29°59	15°37	13°10	5°22	24°42	18° 5	19°53	18°50	29°40	15°31	M21
T 22	0 31 28	5°55'41	23° 9	19°12	26°40	0♏40	15°30	13°15	5°26	24°44	18° 4	19°54	18°47	29°47	15°28	T 22
W23	0 35 24	6°55'04	5♍28	20°40	27°51	1°22	15°22	13°21	5°29	24°46	18° 3	19°55	18°44	29°54	15°26	W23
T 24	0 39 21	7°54'28	17°36	22°11	29° 2	2° 4	15°14	13°27	5°33	24°48	18° 2	19°R56	18°41	0♏ 0	15°24	T 24
F 25	0 43 17	8°53'55	29°36	23°45	0♍13	2°45	15° 6	13°32	5°37	24°51	18° 2	19°56	18°38	0° 7	15°21	F 25
S 26	0 47 14	9°53'24	11♎31	25°21	1°24	3°27	14°58	13°37	5°41	24°53	18° 1	19°54	18°34	0°14	15°19	S 26
S 27	0 51 10	10°52'55	23°22	26°59	2°35	4° 9	14°49	13°43	5°45	24°55	18° 0	19°52	18°31	0°20	15°17	S 27
M28	0 55 7	11°52'28	5♏11	28°38	3°46	4°51	14°41	13°48	5°48	24°57	17°59	19°49	18°28	0°27	15°14	M28
T 29	0 59 3	12°52'03	17° 0	0♎19	4°58	5°33	14°33	13°53	5°52	24°59	17°59	19°45	18°25	0°34	15°12	T 29
W30	1 3 0	13♎51'40	28♏52	2♎ 0	6♍ 9	6♏15	14♈25	13♌58	5♎56	25♎ 2	17♒58	19♓41	18♓22	0♏40	15♉ 9	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5n49	18s 7	3s58	2n17	3s18	18n53	0s49	6s17	0n11	5n34	1s37	18n17	0n47	1s 2	0n40	7s43	1n46	25s52	11s 4	4s 1	4s 1	13s32	14n55	1s53
W 2	5 26	22 18	4 36	2 55	3 3	18 42	0 45	6 33	0 10	5 32	1 37	18 15	0 48	1 3	0 40	7 44	1 46	25 52	11 4	4 1	4 2	13 35	14 54	1 53
T 3	5 3	25 37	5 3	3 35	2 46	18 30	0 41	6 49	0 9	5 29	1 37	18 13	0 48	1 5	0 40	7 44	1 46	25 52	11 4	4 1	4 3	13 38	14 54	1 53
F 4	4 40	27 50	5 16	4 14	2 28	18 18	0 36	7 6	0 9	5 27	1 37	18 12	0 48	1 6	0 40	7 45	1 46	25 52	11 4	4 1	4 5	13 41	14 53	1 53
S 5	4 17	28 45	5 15	4 52	2 9	18 5	0 32	7 22	0 8	5 25	1 37	18 10	0 48	1 8	0 40	7 46	1 46	25 53	11 4	4 1	4 6	13 44	14 52	1 53
S 6	3 54	28 11	4 59	5 29	1 49	17 52	0 28	7 38	0 7	5 22	1 38	18 8	0 48	1 9	0 40	7 47	1 46	25 53	11 4	4 1	4 7	13 47	14 52	1 54
M 7	3 31	26 3	4 28	6 3	1 29	17 38	0 24	7 54	0 7	5 19	1 38	18 7	0 48	1 11	0 40	7 47	1 46	25 53	11 4	4 1	4 8	13 50	14 51	1 54
T 8	3 8	22 25	3 41	6 34	1 9	17 23	0 19	8 10	0 6	5 17	1 38	18 5	0 48	1 12	0 40	7 48	1 46	25 53	11 4	4 1	4 10	13 53	14 51	1 54
W 9	2 44	17 24	2 39	7 1	0 49	17 8	0 15	8 25	0 5	5 14	1 38	18 3	0 49	1 14	0 40	7 49	1 46	25 54	11 3	4 1	4 11	13 57	14 50	1 54
T 10	2 21	11 18	1 26	7 23	0 30	16 53	0 11	8 41	0 5	5 11	1 38	18 2	0 49	1 15	0 40	7 50	1 46	25 54	11 3	4 0	4 12	14 0	14 49	1 54
F 11	1 58	4 27	0 5	7 42	0 12	16 37	0 7	8 57	0 4	5 9	1 38	18 0	0 49	1 17	0 40	7 50	1 46	25 54	11 3	4 0	4 13	14 3	14 49	1 55
S 12	1 34	2n45	1n17	7 55	0n 6	16 21	0 3	9 13	0 3	5 6	1 38	17 58	0 49	1 18	0 40	7 51	1 46	25 54	11 3	4 0	4 15	14 6	14 48	1 55
S 13	1 11	9 50	2 34	8 3	0 22	16 4	0n 1	9 29	0 3	5 3	1 38	17 57	0 49	1 20	0 40	7 52	1 46	25 55	11 3	4 1	4 16	14 9	14 47	1 55
M14	0 47	16 21	3 41	8 7	0 37	15 47	0 5	9 44	0 2	5 0	1 38	17 55	0 49	1 21	0 40	7 53	1 46	25 55	11 3	4 1	4 17	14 12	14 47	1 55
T 15	0 24	21 50	4 32	8 6	0 51	15 29	0 8	10 0	0 2	4 57	1 39	17 53	0 49	1 23	0 40	7 53	1 46	25 55	11 3	4 1	4 18	14 15	14 46	1 55
W16	0s 0	25 52	5 4	8 0	1 4	15 11	0 12	10 16	0 1	4 54	1 39	17 52	0 50	1 24	0 40	7 54	1 46	25 55	11 3	4 2	4 20	14 18	14 45	1 56
T 17	0 24	28 12	5 17	7 49	1 15	14 52	0 16	10 31	0 0	4 51	1 39	17 50	0 50	1 26	0 40	7 55	1 46	25 55	11 2	4 2	4 21	14 21	14 45	1 56
F 18	0 47	28 42	5 11	7 34	1 25	14 33	0 20	10 47	0s 0	4 48	1 39	17 49	0 50	1 27	0 40	7 56	1 46	25 55	11 2	4 2	4 22	14 24	14 44	1 56
S 19	1 11	27 28	4 47	7 16	1 33	14 13	0 23	11 2	0 1	4 45	1 39	17 47	0 50	1 29	0 40	7 56	1 46	25 55	11 2	4 2	4 23	14 27	14 43	1 56
S 20	1 35	24 45	4 10	6 53	1 40	13 53	0 27	11 17	0 2	4 42	1 39	17 46	0 50	1 30	0 40	7 57	1 46	25 56	11 2	4 2	4 25	14 30	14 42	1 56
M21	1 58	20 51	3 21	6 28	1 46	13 33	0 30	11 33	0 2	4 39	1 39	17 44	0 50	1 32	0 40	7 58	1 46	25 56	11 2	4 1	4 26	14 33	14 41	1 57
T 22	2 22	16 6	2 23	5 59	1 50	13 12	0 34	11 48	0 3	4 36	1 39	17 43	0 50	1 33	0 40	7 59	1 46	25 56	11 2	4 1	4 27	14 36	14 41	1 57
W23	2 45	10 46	1 19	5 27	1 54	12 51	0 37	12 3	0 4	4 33	1 39	17 41	0 51	1 35	0 40	8 0	1 45	25 56	11 1	4 0	4 28	14 39	14 40	1 57
T 24	3 9	5 7	0 13	4 54	1 56	12 29	0 40	12 18	0 4	4 30	1 39	17 40	0 51	1 36	0 40	8 0	1 45	25 56	11 1	4 0	4 30	14 42	14 39	1 57
F 25	3 32	0s39	0s53	4 18	1 58	12 7	0 43	12 33	0 5	4 27	1 39	17 38	0 51	1 38	0 40	8 1	1 45	25 56	11 1	4 0	4 31	14 45	14 38	1 57
S 26	3 56	6 21	1 56	3 40	1 58	11 45	0 46	12 48	0 6	4 24	1 39	17 37	0 51	1 39	0 40	8 2	1 45	25 56	11 1	4 1	4 32	14 48	14 37	1 57
S 27	4 19	11 48	2 54	3 1	1 58	11 22	0 50	13 3	0 6	4 21	1 39	17 36	0 51	1 41	0 40	8 3	1 45	25 56	11 1	4 2	4 33	14 51	14 36	1 58
M28	4 43	16 49	3 44	2 20	1 57	10 59	0 53	13 18	0 7	4 17	1 39	17 34	0 51	1 42	0 40	8 4	1 45	25 56	11 1	4 3	4 35	14 54	14 35	1 58
T 29	5 6	21 12	4 24	1 38	1 56	10 35	0 55	13 32	0 7	4 14	1 39	17 33	0 52	1 44	0 40	8 5	1 45	25 56	11 0	4 5	4 36	14 57	14 35	1 58
W30	5s29	24s45	4s53	0n56	1n53	10n11	0n58	13s47	0s 8	4n11	1s39	17n31	0n52	1s45	0n40	8s 5	1n45	25s56	11s 0	4s 6	4s37	15s 0	14n34	1s58

Julian Day Number = 2195760.5, Delta T = 10m25s
Ecliptic obliquity = 23°31'58, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°58'23, Lahiri = 14°05'23 Julian Calendar 1 Sept. 1299 == Greg. Calendar 8 Sept. 1299

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

OCTOBER 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	1 6 57	14♎51'19	10♐50	3♎42	7♍21	6♏57	14°R17	14♌ 3	6♎ 0	25♎ 4	17°R58	19°R37	18♓19	0♏47	15°R 6	T 1
F 2	1 10 53	15°51'00	22°57	5°24	8°33	7°39	14♈ 9	14° 8	6° 3	25° 6	17♒57	19♓34	18°15	0°54	15♉ 4	F 2
S 3	1 14 50	16°50'43	5♑17	7° 7	9°45	8°21	14° 1	14°13	6° 7	25° 8	17°56	19°32	18°12	1° 1	15° 1	S 3
S 4	1 18 46	17°50'27	17°53	8°49	10°56	9° 4	13°53	14°18	6°11	25°10	17°56	19°D31	18° 9	1° 7	14°58	S 4
M 5	1 22 43	18°50'13	0♒51	10°32	12° 9	9°46	13°45	14°23	6°15	25°13	17°55	19°32	18° 6	1°14	14°56	M 5
T 6	1 26 39	19°50'01	14°12	12°14	13°21	10°29	13°37	14°27	6°18	25°15	17°55	19°33	18° 3	1°21	14°53	T 6
W 7	1 30 36	20°49'50	28° 1	13°56	14°33	11°11	13°29	14°32	6°22	25°17	17°54	19°35	18° 0	1°27	14°50	W 7
T 8	1 34 32	21°49'41	12♓17	15°37	15°45	11°54	13°21	14°36	6°26	25°19	17°54	19°R36	17°56	1°34	14°47	T 8
F 9	1 38 29	22°49'34	26°58	17°19	16°58	12°36	13°13	14°41	6°29	25°22	17°54	19°36	17°53	1°41	14°44	F 9
S 10	1 42 26	23°49'28	12♈ 0	18°59	18°10	13°19	13° 5	14°45	6°33	25°24	17°53	19°34	17°50	1°47	14°42	S 10
S 11	1 46 22	24°49'25	27°15	20°40	19°23	14° 2	12°57	14°49	6°37	25°26	17°53	19°31	17°47	1°54	14°39	S 11
M12	1 50 19	25°49'23	12♉32	22°20	20°35	14°44	12°49	14°53	6°40	25°28	17°53	19°26	17°44	2° 1	14°36	M12
T 13	1 54 15	26°49'24	27°41	24° 0	21°48	15°27	12°42	14°57	6°44	25°31	17°52	19°21	17°40	2° 7	14°33	T 13
W14	1 58 12	27°49'27	12♊32	25°39	23° 1	16°10	12°34	15° 1	6°47	25°33	17°52	19°15	17°37	2°14	14°30	W14
T 15	2 2 8	28°49'32	26°58	27°17	24°14	16°53	12°27	15° 5	6°51	25°35	17°52	19°10	17°34	2°21	14°27	T 15
F 16	2 6 5	29°49'39	10♋57	28°56	25°27	17°36	12°19	15° 9	6°55	25°37	17°51	19° 7	17°31	2°27	14°24	F 16
S 17	2 10 1	0♏49'48	24°27	0♏33	26°40	18°19	12°12	15°12	6°58	25°40	17°51	19° 5	17°28	2°34	14°21	S 17
S 18	2 13 58	1°49'59	7♌30	2°11	27°53	19° 2	12° 5	15°16	7° 2	25°42	17°51	19°D 5	17°25	2°41	14°18	S 18
M19	2 17 55	2°50'12	20°11	3°48	29° 7	19°45	11°58	15°19	7° 5	25°44	17°51	19° 6	17°21	2°47	14°14	M19
T 20	2 21 51	3°50'28	2♍33	5°24	0♎20	20°29	11°51	15°23	7° 9	25°46	17°51	19° 8	17°18	2°54	14°11	T 20
W21	2 25 48	4°50'45	14°41	7° 0	1°33	21°12	11°44	15°26	7°12	25°49	17°51	19°R 9	17°15	3° 1	14° 8	W21
T 22	2 29 44	5°51'04	26°39	8°36	2°47	21°55	11°37	15°29	7°16	25°51	17°50	19° 8	17°12	3° 8	14° 5	T 22
F 23	2 33 41	6°51'25	8♎32	10°12	4° 0	22°39	11°30	15°32	7°19	25°53	17°50	19° 6	17° 9	3°14	14° 2	F 23
S 24	2 37 37	7°51'48	20°21	11°47	5°14	23°22	11°24	15°35	7°22	25°55	17°50	19° 2	17° 6	3°21	13°59	S 24
S 25	2 41 34	8°52'13	2♏10	13°21	6°27	24° 6	11°18	15°38	7°26	25°57	17°D50	18°55	17° 2	3°28	13°56	S 25
M26	2 45 30	9°52'40	14° 1	14°56	7°41	24°50	11°11	15°41	7°29	26° 0	17°50	18°46	16°59	3°34	13°52	M26
T 27	2 49 27	10°53'08	25°54	16°30	8°55	25°33	11° 5	15°43	7°33	26° 2	17°50	18°36	16°56	3°41	13°49	T 27
W28	2 53 24	11°53'38	7♐52	18° 4	10° 9	26°17	10°59	15°46	7°36	26° 4	17°50	18°25	16°53	3°48	13°46	W28
T 29	2 57 20	12°54'10	19°57	19°37	11°23	27° 1	10°54	15°48	7°39	26° 6	17°51	18°14	16°50	3°54	13°43	T 29
F 30	3 1 17	13°54'42	2♑ 9	21°11	12°37	27°45	10°48	15°51	7°42	26° 8	17°51	18° 5	16°46	4° 1	13°40	F 30
S 31	3 5 13	14♏55'17	14♑32	22♏44	13♎51	28♏28	10♈43	15♌53	7♎46	26♎10	17♒51	17♓59	16♓43	4♏ 8	13♉36	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	5s53	27s16	5s10	0n13	1n51	9n47	1n 1	14s 1	0s 9	4n 8	1s39	17n30	0n52	1s47	0n40	8s 6	1n45	25s56	11s 0	4s 8	4s38	15s 3	14n33	1s58
F 2	6 16	28 33	5 13	0s31	1 47	9 23	1 4	14 16	0 9	4 5	1 39	17 29	0 52	1 48	0 40	8 7	1 45	25 56	11 0	4 9	4 40	15 6	14 32	1 58
S 3	6 39	28 27	5 2	1 15	1 43	8 58	1 6	14 30	0 10	4 2	1 39	17 28	0 52	1 50	0 40	8 8	1 45	25 56	11 0	4 10	4 41	15 9	14 31	1 59
S 4	7 2	26 54	4 36	1 59	1 39	8 33	1 9	14 44	0 11	3 59	1 39	17 26	0 52	1 51	0 40	8 9	1 45	25 56	10 59	4 10	4 42	15 12	14 30	1 59
M 5	7 24	23 53	3 56	2 44	1 35	8 8	1 11	14 59	0 11	3 56	1 39	17 25	0 53	1 53	0 40	8 9	1 45	25 56	10 59	4 10	4 43	15 15	14 29	1 59
T 6	7 47	19 32	3 2	3 29	1 30	7 42	1 14	15 13	0 12	3 53	1 39	17 24	0 53	1 54	0 40	8 10	1 45	25 56	10 59	4 9	4 45	15 18	14 28	1 59
W 7	8 10	14 1	1 55	4 13	1 25	7 16	1 16	15 26	0 12	3 50	1 38	17 23	0 53	1 56	0 40	8 11	1 45	25 56	10 59	4 8	4 46	15 21	14 27	1 59
T 8	8 32	7 36	0 40	4 57	1 19	6 50	1 18	15 40	0 13	3 47	1 38	17 22	0 53	1 57	0 40	8 12	1 45	25 56	10 59	4 8	4 47	15 24	14 26	1 59
F 9	8 55	0 36	0n40	5 42	1 13	6 24	1 20	15 54	0 14	3 44	1 38	17 21	0 53	1 59	0 40	8 13	1 45	25 56	10 58	4 8	4 48	15 27	14 25	1 59
S 10	9 17	6n35	1 59	6 25	1 8	5 58	1 22	16 7	0 14	3 41	1 38	17 19	0 53	2 0	0 40	8 14	1 45	25 56	10 58	4 9	4 50	15 30	14 24	2 0
S 11	9 39	13 30	3 11	7 9	1 1	5 31	1 24	16 21	0 15	3 38	1 38	17 18	0 54	2 2	0 40	8 14	1 45	25 56	10 58	4 10	4 51	15 32	14 23	2 0
M12	10 1	19 36	4 9	7 52	0 55	5 4	1 26	16 34	0 16	3 35	1 38	17 17	0 54	2 3	0 40	8 15	1 45	25 56	10 58	4 12	4 52	15 35	14 22	2 0
T 13	10 23	24 24	4 49	8 35	0 49	4 37	1 28	16 47	0 16	3 32	1 38	17 16	0 54	2 4	0 40	8 16	1 45	25 56	10 58	4 14	4 53	15 38	14 21	2 0
W14	10 44	27 29	5 8	9 17	0 43	4 9	1 30	17 0	0 17	3 29	1 38	17 15	0 54	2 6	0 40	8 17	1 45	25 56	10 57	4 16	4 55	15 41	14 20	2 0
T 15	11 6	28 37	5 8	9 59	0 36	3 42	1 31	17 13	0 17	3 26	1 38	17 14	0 54	2 7	0 40	8 18	1 45	25 56	10 57	4 18	4 56	15 44	14 19	2 0
F 16	11 27	27 52	4 48	10 41	0 29	3 14	1 33	17 26	0 18	3 24	1 37	17 13	0 54	2 9	0 40	8 18	1 45	25 55	10 57	4 20	4 57	15 47	14 18	2 0
S 17	11 48	25 28	4 14	11 21	0 23	2 46	1 34	17 39	0 19	3 21	1 37	17 13	0 55	2 10	0 40	8 19	1 45	25 55	10 57	4 20	4 58	15 50	14 17	2 1
S 18	12 9	21 47	3 26	12 1	0 16	2 18	1 36	17 51	0 19	3 18	1 37	17 12	0 55	2 11	0 40	8 20	1 45	25 55	10 57	4 20	5 0	15 53	14 16	2 1
M19	12 30	17 12	2 30	12 41	0 9	1 50	1 37	18 4	0 20	3 16	1 37	17 11	0 55	2 13	0 40	8 21	1 45	25 55	10 56	4 20	5 1	15 56	14 15	2 1
T 20	12 51	11 59	1 29	13 20	0 3	1 22	1 38	18 16	0 20	3 13	1 37	17 10	0 55	2 14	0 40	8 22	1 45	25 55	10 56	4 19	5 2	15 59	14 14	2 1
W21	13 11	6 26	0 24	13 58	0s 4	0 54	1 39	18 28	0 21	3 11	1 37	17 9	0 55	2 16	0 40	8 22	1 45	25 55	10 56	4 19	5 3	16 2	14 13	2 1
T 22	13 31	0 43	0s41	14 36	0 11	0 25	1 40	18 40	0 22	3 8	1 36	17 8	0 56	2 17	0 40	8 23	1 45	25 54	10 56	4 19	5 5	16 5	14 12	2 1
F 23	13 51	4s58	1 43	15 12	0 17	0s 3	1 41	18 52	0 22	3 6	1 36	17 8	0 56	2 18	0 40	8 24	1 45	25 54	10 55	4 20	5 6	16 8	14 11	2 1
S 24	14 11	10 27	2 40	15 48	0 24	0 31	1 42	19 3	0 23	3 3	1 36	17 7	0 56	2 20	0 40	8 25	1 45	25 54	10 55	4 21	5 7	16 10	14 10	2 1
S 25	14 31	15 34	3 30	16 23	0 30	1 0	1 43	19 15	0 23	3 1	1 36	17 6	0 56	2 21	0 40	8 26	1 45	25 54	10 55	4 24	5 8	16 13	14 9	2 2
M26	14 50	20 6	4 11	16 58	0 37	1 29	1 44	19 26	0 24	2 59	1 35	17 6	0 56	2 22	0 40	8 26	1 46	25 54	10 55	4 28	5 10	16 16	14 8	2 2
T 27	15 9	23 52	4 42	17 31	0 43	1 57	1 44	19 37	0 25	2 57	1 35	17 5	0 57	2 24	0 40	8 27	1 46	25 53	10 54	4 32	5 11	16 19	14 7	2 2
W28	15 28	26 38	5 0	18 4	0 49	2 26	1 45	19 48	0 25	2 54	1 35	17 4	0 57	2 25	0 40	8 28	1 46	25 53	10 54	4 36	5 12	16 22	14 6	2 2
T 29	15 46	28 13	5 5	18 36	0 56	2 54	1 45	19 59	0 26	2 52	1 35	17 4	0 57	2 26	0 40	8 29	1 46	25 53	10 54	4 40	5 13	16 25	14 5	2 2
F 30	16 5	28 27	4 56	19 7	1 2	3 23	1 45	20 10	0 26	2 50	1 35	17 3	0 57	2 27	0 40	8 29	1 46	25 53	10 54	4 44	5 14	16 28	14 4	2 2
S 31	16s23	27s16	4s33	19s37	1s 8	3s51	1n46	20s20	0s27	2n49	1s34	17n 3	0n57	2s29	0n40	8s30	1n46	25s52	10s54	4s46	5s16	16s31	14n 3	2s 2

Julian Day Number = 2195790.5, Delta T = 10m24s
Ecliptic obliquity = 23°31'58, Nutation = 0°00'02, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°58'27, Lahiri = 14°05'27 Julian Calendar 1 Oct. 1299 == Greg. Calendar 8 Oct. 1299

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

NOVEMBER 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	3 9 10	15♏55'52	27♉ 8	24♏17	15♎ 5	29♏12	10°R37	15♌55	7♎49	26♎13	17♒51	17°R55	16♓40	4♏14	13°R33	S 1
M 2	3 13 6	16°56'29	10♒ 0	25°49	16°19	29°56	10♈32	15°57	7°52	26°15	17°51	17♓53	16°37	4°21	13♉30	M 2
T 3	3 17 3	17°57'07	23°13	27°22	17°33	0♐41	10°27	15°59	7°55	26°17	17°51	17°D52	16°34	4°28	13°27	T 3
W 4	3 20 59	18°57'46	6♓49	28°54	18°47	1°25	10°22	16° 1	7°58	26°19	17°52	17°53	16°31	4°34	13°24	W 4
T 5	3 24 56	19°58'26	20°50	0♐26	20° 1	2° 9	10°18	16° 3	8° 1	26°21	17°52	17°R53	16°27	4°41	13°20	T 5
F 6	3 28 53	20°59'07	5♈18	1°58	21°15	2°53	10°13	16° 4	8° 4	26°23	17°52	17°52	16°24	4°48	13°17	F 6
S 7	3 32 49	21°59'50	20° 8	3°29	22°30	3°37	10° 9	16° 6	8° 7	26°25	17°53	17°49	16°21	4°55	13°14	S 7
S 8	3 36 46	23° 0'33	5♉15	5° 1	23°44	4°22	10° 5	16° 7	8°10	26°27	17°53	17°42	16°18	5° 1	13°11	S 8
M 9	3 40 42	24° 1'18	20°32	6°32	24°58	5° 6	10° 1	16° 8	8°13	26°29	17°53	17°34	16°15	5° 8	13° 8	M 9
T 10	3 44 39	25° 2'05	5♊45	8° 3	26°13	5°51	9°58	16°10	8°16	26°31	17°54	17°23	16°11	5°15	13° 5	T 10
W11	3 48 35	26° 2'52	20°46	9°34	27°27	6°35	9°54	16°11	8°19	26°33	17°54	17°13	16° 8	5°21	13° 2	W11
T 12	3 52 32	27° 3'41	5♋23	11° 4	28°42	7°20	9°51	16°12	8°22	26°35	17°55	17° 3	16° 5	5°28	12°59	T 12
F 13	3 56 28	28° 4'32	19°33	12°34	29°56	8° 4	9°48	16°12	8°25	26°37	17°55	16°55	16° 2	5°35	12°56	F 13
S 14	4 0 25	29° 5'24	3♌12	14° 4	1♏11	8°49	9°45	16°13	8°27	26°39	17°56	16°50	15°59	5°41	12°52	S 14
S 15	4 4 22	0♐ 6'17	16°21	15°33	2°26	9°34	9°42	16°14	8°30	26°41	17°56	16°47	15°56	5°48	12°49	S 15
M16	4 8 18	1° 7'11	29° 4	17° 2	3°40	10°18	9°40	16°14	8°33	26°43	17°57	16°D47	15°52	5°55	12°46	M16
T 17	4 12 15	2° 8'07	11♍26	18°30	4°55	11° 3	9°38	16°15	8°35	26°45	17°57	16°R47	15°49	6° 1	12°43	T 17
W18	4 16 11	3° 9'04	23°32	19°58	6°10	11°48	9°36	16°15	8°38	26°47	17°58	16°47	15°46	6° 8	12°41	W18
T 19	4 20 8	4°10'02	5♎27	21°25	7°24	12°33	9°34	16°15	8°40	26°49	17°59	16°45	15°43	6°15	12°38	T 19
F 20	4 24 4	5°11'02	17°17	22°51	8°39	13°18	9°32	16°R15	8°43	26°51	17°59	16°41	15°40	6°22	12°35	F 20
S 21	4 28 1	6°12'03	29° 4	24°17	9°54	14° 3	9°31	16°15	8°45	26°53	18° 0	16°35	15°37	6°28	12°32	S 21
S 22	4 31 57	7°13'04	10♏54	25°41	11° 9	14°48	9°29	16°15	8°48	26°55	18° 1	16°25	15°33	6°35	12°29	S 22
M23	4 35 54	8°14'07	22°48	27° 3	12°24	15°33	9°28	16°14	8°50	26°56	18° 2	16°12	15°30	6°42	12°26	M23
T 24	4 39 51	9°15'11	4♐49	28°24	13°38	16°18	9°28	16°14	8°53	26°58	18° 2	15°58	15°27	6°48	12°23	T 24
W25	4 43 47	10°16'16	16°57	29°43	14°53	17° 4	9°27	16°14	8°55	27° 0	18° 3	15°43	15°24	6°55	12°21	W25
T 26	4 47 44	11°17'21	29°13	1♑ 0	16° 8	17°49	9°27	16°13	8°57	27° 2	18° 4	15°29	15°21	7° 2	12°18	T 26
F 27	4 51 40	12°18'27	11♑38	2°15	17°23	18°34	9°D26	16°12	8°59	27° 3	18° 5	15°16	15°17	7° 8	12°15	F 27
S 28	4 55 37	13°19'34	24°13	3°26	18°38	19°20	9°26	16°11	9° 1	27° 5	18° 6	15° 6	15°14	7°15	12°13	S 28
S 29	4 59 33	14°20'41	6♒58	4°34	19°53	20° 5	9°27	16°10	9° 4	27° 7	18° 7	14°59	15°11	7°22	12°10	S 29
M30	5 3 30	15♐21'48	19♒56	5♑38	21♏ 8	20♐51	9♈27	16♌ 9	9♎ 6	27♎ 8	18♒ 7	14♓55	15♓ 8	7♏28	12♉ 8	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	16s40	24s41	3s57	20s 6	1s14	4s20	1n46	20s30	0s28	2n47	1s34	17n 2	0n57	2s30	0n40	8s31	1n46	25s52	10s53	4s48	5s17	16s33	14n 2	2s 2
M 2	16 58	20 49	3 8	20 34	1 19	4 48	1 46	20 40	0 28	2 45	1 34	17 2	0 58	2 31	0 40	8 32	1 46	25 52	10 53	4 49	5 18	16 36	14 0	2 2
T 3	17 15	15 51	2 8	21 1	1 25	5 17	1 46	20 50	0 29	2 43	1 34	17 2	0 58	2 32	0 40	8 32	1 46	25 52	10 53	4 49	5 19	16 39	13 59	2 2
W 4	17 32	9 57	0 59	21 27	1 30	5 45	1 46	21 0	0 29	2 42	1 33	17 1	0 58	2 34	0 40	8 33	1 46	25 51	10 53	4 48	5 21	16 42	13 58	2 2
T 5	17 48	3 24	0n16	21 52	1 35	6 13	1 46	21 10	0 30	2 40	1 33	17 1	0 58	2 35	0 40	8 34	1 46	25 51	10 52	4 48	5 22	16 45	13 57	2 3
F 6	18 4	3n30	1 31	22 16	1 40	6 42	1 46	21 19	0 30	2 39	1 33	17 1	0 58	2 36	0 40	8 35	1 46	25 51	10 52	4 49	5 23	16 48	13 56	2 3
S 7	18 20	10 24	2 43	22 39	1 45	7 10	1 45	21 28	0 31	2 37	1 33	17 0	0 59	2 37	0 40	8 35	1 46	25 50	10 52	4 50	5 24	16 50	13 55	2 3
S 8	18 36	16 50	3 44	23 1	1 50	7 37	1 45	21 37	0 31	2 36	1 32	17 0	0 59	2 38	0 40	8 36	1 46	25 50	10 52	4 53	5 26	16 53	13 54	2 3
M 9	18 51	22 17	4 30	23 21	1 54	8 5	1 44	21 45	0 32	2 35	1 32	17 0	0 59	2 39	0 40	8 37	1 46	25 50	10 51	4 56	5 27	16 56	13 53	2 3
T 10	19 6	26 12	4 56	23 41	1 58	8 33	1 44	21 54	0 33	2 33	1 32	17 0	0 59	2 40	0 40	8 38	1 46	25 49	10 51	5 0	5 28	16 59	13 52	2 3
W11	19 20	28 13	5 2	23 59	2 2	9 0	1 43	22 2	0 33	2 32	1 31	17 0	0 59	2 42	0 40	8 38	1 46	25 49	10 51	5 4	5 29	17 2	13 51	2 3
T 12	19 35	28 12	4 47	24 16	2 6	9 27	1 43	22 10	0 34	2 31	1 31	17 0	1 0	2 43	0 40	8 39	1 46	25 49	10 51	5 8	5 31	17 5	13 50	2 3
F 13	19 49	26 19	4 15	24 31	2 9	9 54	1 42	22 18	0 34	2 30	1 31	17 0	1 0	2 44	0 40	8 40	1 46	25 48	10 51	5 11	5 32	17 7	13 49	2 3
S 14	20 2	22 55	3 29	24 45	2 12	10 21	1 41	22 26	0 35	2 29	1 31	16 59	1 0	2 45	0 40	8 40	1 46	25 48	10 50	5 13	5 33	17 10	13 48	2 3
S 15	20 15	18 27	2 34	24 58	2 14	10 48	1 40	22 33	0 35	2 29	1 30	16 59	1 0	2 46	0 40	8 41	1 46	25 47	10 50	5 14	5 34	17 13	13 47	2 3
M16	20 28	13 17	1 33	25 10	2 16	11 14	1 39	22 40	0 36	2 28	1 30	17 0	1 0	2 47	0 40	8 42	1 46	25 47	10 50	5 14	5 36	17 16	13 46	2 3
T 17	20 40	7 44	0 28	25 20	2 18	11 40	1 38	22 47	0 36	2 27	1 30	17 0	1 1	2 48	0 40	8 42	1 46	25 47	10 50	5 14	5 37	17 19	13 46	2 3
W18	20 52	2 2	0s36	25 28	2 19	12 6	1 37	22 54	0 37	2 27	1 29	17 0	1 1	2 49	0 40	8 43	1 46	25 46	10 49	5 14	5 38	17 21	13 45	2 3
T 19	21 4	3s40	1 37	25 35	2 20	12 32	1 36	23 0	0 37	2 26	1 29	17 0	1 1	2 50	0 41	8 44	1 46	25 46	10 49	5 15	5 39	17 24	13 44	2 3
F 20	21 15	9 11	2 34	25 41	2 21	12 57	1 34	23 7	0 38	2 26	1 29	17 0	1 1	2 51	0 41	8 44	1 46	25 45	10 49	5 16	5 40	17 27	13 43	2 3
S 21	21 26	14 21	3 24	25 45	2 21	13 22	1 33	23 13	0 38	2 26	1 28	17 0	1 1	2 52	0 41	8 45	1 46	25 45	10 49	5 19	5 42	17 30	13 42	2 4
S 22	21 36	19 1	4 5	25 48	2 20	13 47	1 32	23 19	0 39	2 26	1 28	17 1	1 2	2 53	0 41	8 46	1 46	25 44	10 49	5 23	5 43	17 32	13 41	2 4
M23	21 46	22 59	4 35	25 49	2 19	14 11	1 30	23 24	0 40	2 25	1 28	17 1	1 2	2 54	0 41	8 46	1 46	25 44	10 48	5 28	5 44	17 35	13 40	2 4
T 24	21 55	25 59	4 54	25 48	2 17	14 35	1 29	23 29	0 40	2 25	1 27	17 1	1 2	2 55	0 41	8 47	1 46	25 44	10 48	5 33	5 45	17 38	13 39	2 4
W25	22 5	27 51	4 59	25 46	2 14	14 59	1 27	23 34	0 41	2 25	1 27	17 1	1 2	2 55	0 41	8 47	1 46	25 43	10 48	5 39	5 47	17 41	13 38	2 4
T 26	22 13	28 23	4 51	25 42	2 11	15 22	1 26	23 39	0 41	2 26	1 27	17 2	1 2	2 56	0 41	8 48	1 46	25 43	10 48	5 45	5 48	17 44	13 37	2 4
F 27	22 21	27 29	4 29	25 37	2 6	15 45	1 24	23 44	0 42	2 26	1 26	17 2	1 3	2 57	0 41	8 49	1 46	25 42	10 48	5 50	5 49	17 46	13 37	2 4
S 28	22 29	25 11	3 53	25 31	2 1	16 7	1 22	23 48	0 42	2 26	1 26	17 3	1 3	2 58	0 41	8 49	1 47	25 42	10 47	5 54	5 50	17 49	13 36	2 4
S 29	22 37	21 36	3 6	25 23	1 55	16 29	1 21	23 52	0 43	2 26	1 26	17 3	1 3	2 59	0 41	8 50	1 47	25 41	10 47	5 56	5 52	17 52	13 35	2 4
M30	22s44	16s55	2s 8	25s13	1s48	16s51	1n19	23s56	0s43	2n27	1s26	17n 4	1n 3	3s 0	0n41	8s50	1n47	25s41	10s47	5s58	5s53	17s55	13n34	2s 4

Julian Day Number = 2195821.5, Delta T = 10m24s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°58'31, Lahiri = 14°05'31 Julian Calendar 1 Nov. 1299 == Greg. Calendar 8 Nov. 1299

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ASTRODIENST EPHEMERIS for the year 1299
geocentric

DECEMBER 1299 JC — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	5 7 27	16♐22'56	3♓ 9	6♑37	22♏23	21♐36	9♈28	16°R 8	9♎ 8	27♎10	18♒ 8	14°R54	15♓ 5	7♏35	12°R 5	T 1
W 2	5 11 23	17°24'03	16°39	7°31	23°38	22°22	9°29	16♌ 7	9°10	27°12	18° 9	14♓53	15° 2	7°42	12♉ 3	W 2
T 3	5 15 20	18°25'11	0♈28	8°18	24°53	23° 7	9°30	16° 5	9°11	27°13	18°10	14°53	14°58	7°49	12° 0	T 3
F 4	5 19 16	19°26'20	14°38	8°59	26° 8	23°53	9°31	16° 4	9°13	27°15	18°11	14°52	14°55	7°55	11°58	F 4
S 5	5 23 13	20°27'28	29° 8	9°32	27°23	24°39	9°32	16° 2	9°15	27°16	18°12	14°47	14°52	8° 2	11°55	S 5
S 6	5 27 9	21°28'36	13♉54	9°56	28°38	25°24	9°34	16° 0	9°17	27°18	18°13	14°41	14°49	8° 9	11°53	S 6
M 7	5 31 6	22°29'45	28°51	10°10	29°53	26°10	9°36	15°59	9°19	27°19	18°14	14°31	14°46	8°15	11°51	M 7
T 8	5 35 2	23°30'54	13♊50	10°R14	1♐ 8	26°56	9°38	15°57	9°20	27°21	18°16	14°20	14°43	8°22	11°49	T 8
W 9	5 38 59	24°32'03	28°41	10° 7	2°23	27°42	9°40	15°55	9°22	27°22	18°17	14° 8	14°39	8°29	11°47	W 9
T 10	5 42 56	25°33'13	13♋15	9°48	3°38	28°28	9°43	15°53	9°23	27°24	18°18	13°56	14°36	8°35	11°45	T 10
F 11	5 46 52	26°34'23	27°26	9°18	4°54	29°14	9°46	15°50	9°25	27°25	18°19	13°47	14°33	8°42	11°42	F 11
S 12	5 50 49	27°35'33	11♌ 9	8°35	6° 9	29°59	9°49	15°48	9°26	27°26	18°20	13°41	14°30	8°49	11°41	S 12
S 13	5 54 45	28°36'43	24°24	7°42	7°24	0♑46	9°52	15°45	9°28	27°28	18°21	13°37	14°27	8°56	11°39	S 13
M14	5 58 42	29°37'54	7♍13	6°39	8°39	1°32	9°55	15°43	9°29	27°29	18°23	13°35	14°24	9° 2	11°37	M14
T 15	6 2 38	0♑39'04	19°40	5°28	9°54	2°18	9°58	15°40	9°30	27°30	18°24	13°D35	14°20	9° 9	11°35	T 15
W16	6 6 35	1°40'15	1♎49	4°11	11° 9	3° 4	10° 2	15°38	9°32	27°31	18°25	13°R36	14°17	9°16	11°33	W16
T 17	6 10 31	2°41'27	13°46	2°51	12°24	3°50	10° 6	15°35	9°33	27°33	18°26	13°35	14°14	9°22	11°31	T 17
F 18	6 14 28	3°42'38	25°36	1°29	13°40	4°36	10°10	15°32	9°34	27°34	18°28	13°32	14°11	9°29	11°30	F 18
S 19	6 18 25	4°43'50	7♏25	0°10	14°55	5°23	10°14	15°29	9°35	27°35	18°29	13°28	14° 8	9°36	11°28	S 19
S 20	6 22 21	5°45'02	19°17	28♐55	16°10	6° 9	10°19	15°26	9°36	27°36	18°30	13°20	14° 4	9°42	11°27	S 20
M21	6 26 18	6°46'14	1♐15	27°47	17°25	6°55	10°23	15°23	9°37	27°37	18°32	13°10	14° 1	9°49	11°25	M21
T 22	6 30 14	7°47'26	13°23	26°46	18°40	7°42	10°28	15°19	9°38	27°38	18°33	12°58	13°58	9°56	11°24	T 22
W23	6 34 11	8°48'38	25°42	25°54	19°56	8°28	10°33	15°16	9°39	27°39	18°34	12°45	13°55	10° 3	11°22	W23
T 24	6 38 7	9°49'49	8♑12	25°12	21°11	9°14	10°38	15°12	9°40	27°40	18°36	12°33	13°52	10° 9	11°21	T 24
F 25	6 42 4	10°51'00	20°55	24°40	22°26	10° 1	10°44	15° 9	9°40	27°41	18°37	12°22	13°49	10°16	11°20	F 25
S 26	6 46 1	11°52'11	3♒49	24°18	23°41	10°47	10°49	15° 5	9°41	27°42	18°38	12°13	13°45	10°23	11°19	S 26
S 27	6 49 57	12°53'21	16°54	24° 5	24°56	11°34	10°55	15° 2	9°42	27°43	18°40	12° 8	13°42	10°29	11°18	S 27
M28	6 53 54	13°54'31	0♓ 9	24°D 1	26°12	12°21	11° 1	14°58	9°42	27°44	18°41	12° 5	13°39	10°36	11°17	M28
T 29	6 57 50	14°55'39	13°36	24° 5	27°27	13° 7	11° 7	14°54	9°43	27°44	18°43	12°D 4	13°36	10°43	11°16	T 29
W30	7 1 47	15°56'47	27°14	24°18	28°42	13°54	11°13	14°50	9°43	27°45	18°44	12° 5	13°33	10°49	11°15	W30
T 31	7 5 43	16♑57'54	11♈ 4	24♐37	29♐57	14♑40	11♈20	14♌46	9♎44	27♎46	18♒46	12°R 6	13♓30	10♏56	11♉14	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	22s50	11s21	1s 2	25s 2	1s40	17s12	1n17	23s59	0s44	2n28	1s25	17n 4	1n 3	3s 0	0n41	8s51	1n47	25s40	10s47	5s58	5s54	17s57	13n33	2s 4
W 2	22 56	5 9	0n 9	24 50	1 31	17 33	1 15	24 3	0 44	2 28	1 25	17 5	1 4	3 1	0 41	8 51	1 47	25 40	10 47	5 58	5 55	18 0	13 33	2 4
T 3	23 2	1n26	1 21	24 37	1 21	17 53	1 13	24 6	0 44	2 29	1 25	17 5	1 4	3 2	0 41	8 52	1 47	25 39	10 46	5 59	5 56	18 3	13 32	2 4
F 4	23 7	8 6	2 30	24 23	1 9	18 13	1 11	24 8	0 45	2 30	1 24	17 6	1 4	3 2	0 41	8 52	1 47	25 39	10 46	5 59	5 58	18 5	13 31	2 4
S 5	23 11	14 29	3 31	24 8	0 57	18 32	1 9	24 11	0 45	2 31	1 24	17 7	1 4	3 3	0 41	8 53	1 47	25 38	10 46	6 1	5 59	18 8	13 30	2 4
S 6	23 15	20 11	4 19	23 52	0 43	18 51	1 7	24 13	0 46	2 31	1 24	17 7	1 4	3 4	0 41	8 53	1 47	25 38	10 46	6 3	6 0	18 11	13 30	2 4
M 7	23 19	24 41	4 49	23 36	0 27	19 9	1 5	24 15	0 46	2 33	1 23	17 8	1 5	3 4	0 41	8 54	1 47	25 37	10 46	6 7	6 1	18 14	13 29	2 4
T 8	23 22	27 31	5 0	23 19	0 11	19 27	1 2	24 17	0 47	2 34	1 23	17 9	1 5	3 5	0 41	8 54	1 47	25 37	10 45	6 12	6 3	18 16	13 28	2 4
W 9	23 25	28 22	4 51	23 2	0n 7	19 44	1 0	24 18	0 47	2 35	1 23	17 10	1 5	3 6	0 41	8 55	1 47	25 36	10 45	6 16	6 4	18 19	13 28	2 4
T 10	23 27	27 13	4 22	22 45	0 25	20 1	0 58	24 19	0 48	2 36	1 22	17 11	1 5	3 6	0 41	8 55	1 47	25 36	10 45	6 20	6 5	18 22	13 27	2 4
F 11	23 29	24 19	3 38	22 28	0 45	20 17	0 56	24 20	0 48	2 37	1 22	17 11	1 5	3 7	0 41	8 56	1 47	25 35	10 45	6 24	6 6	18 24	13 27	2 4
S 12	23 31	20 6	2 43	22 11	1 4	20 32	0 53	24 21	0 49	2 39	1 22	17 12	1 6	3 7	0 41	8 56	1 47	25 35	10 45	6 27	6 8	18 27	13 26	2 4
S 13	23 32	15 0	1 40	21 55	1 24	20 47	0 51	24 21	0 49	2 40	1 21	17 13	1 6	3 8	0 41	8 56	1 47	25 34	10 45	6 28	6 9	18 30	13 25	2 4
M14	23 32	9 25	0 34	21 39	1 43	21 2	0 49	24 21	0 50	2 42	1 21	17 14	1 6	3 8	0 41	8 57	1 47	25 34	10 45	6 29	6 10	18 32	13 25	2 4
T 15	23 32	3 37	0s32	21 23	2 2	21 15	0 46	24 21	0 50	2 44	1 21	17 15	1 6	3 9	0 41	8 57	1 47	25 33	10 44	6 29	6 11	18 35	13 24	2 4
W16	23 31	2s11	1 35	21 9	2 19	21 29	0 44	24 20	0 50	2 45	1 20	17 16	1 6	3 9	0 41	8 58	1 47	25 32	10 44	6 29	6 12	18 38	13 24	2 4
T 17	23 30	7 48	2 33	20 55	2 35	21 41	0 41	24 19	0 51	2 47	1 20	17 17	1 7	3 10	0 41	8 58	1 48	25 32	10 44	6 29	6 14	18 40	13 23	2 4
F 18	23 29	13 5	3 23	20 43	2 48	21 53	0 39	24 18	0 51	2 49	1 20	17 18	1 7	3 10	0 41	8 58	1 48	25 31	10 44	6 30	6 15	18 43	13 23	2 4
S 19	23 27	17 54	4 5	20 33	2 59	22 4	0 37	24 17	0 52	2 51	1 20	17 19	1 7	3 11	0 41	8 59	1 48	25 31	10 44	6 32	6 16	18 46	13 22	2 4
S 20	23 24	22 2	4 36	20 24	3 8	22 15	0 34	24 15	0 52	2 53	1 19	17 20	1 7	3 11	0 41	8 59	1 48	25 30	10 44	6 35	6 17	18 48	13 22	2 4
M21	23 22	25 19	4 56	20 17	3 14	22 25	0 32	24 13	0 52	2 55	1 19	17 22	1 7	3 11	0 42	8 59	1 48	25 30	10 43	6 39	6 19	18 51	13 21	2 4
T 22	23 18	27 29	5 2	20 12	3 17	22 34	0 29	24 11	0 53	2 57	1 19	17 23	1 7	3 12	0 42	9 0	1 48	25 29	10 43	6 43	6 20	18 54	13 21	2 4
W23	23 14	28 22	4 55	20 9	3 19	22 42	0 26	24 9	0 53	3 0	1 18	17 24	1 8	3 12	0 42	9 0	1 48	25 29	10 43	6 48	6 21	18 56	13 21	2 4
T 24	23 10	27 49	4 33	20 9	3 18	22 50	0 24	24 6	0 54	3 2	1 18	17 25	1 8	3 12	0 42	9 0	1 48	25 28	10 43	6 53	6 22	18 59	13 20	2 4
F 25	23 5	25 48	3 57	20 10	3 16	22 58	0 21	24 3	0 54	3 4	1 18	17 26	1 8	3 13	0 42	9 1	1 48	25 27	10 43	6 57	6 24	19 1	13 20	2 4
S 26	23 0	22 26	3 9	20 13	3 12	23 4	0 19	24 0	0 54	3 7	1 17	17 27	1 8	3 13	0 42	9 1	1 48	25 27	10 43	7 0	6 25	19 4	13 19	2 4
S 27	22 54	17 54	2 10	20 18	3 6	23 10	0 16	23 56	0 55	3 9	1 17	17 29	1 8	3 13	0 42	9 1	1 48	25 26	10 43	7 2	6 26	19 7	13 19	2 4
M28	22 48	12 27	1 3	20 24	3 0	23 15	0 14	23 52	0 55	3 12	1 17	17 30	1 8	3 13	0 42	9 1	1 48	25 26	10 43	7 3	6 27	19 9	13 19	2 4
T 29	22 42	6 21	0n 8	20 32	2 53	23 19	0 11	23 48	0 55	3 14	1 17	17 31	1 9	3 13	0 42	9 2	1 48	25 25	10 43	7 4	6 28	19 12	13 19	2 3
W30	22 35	0n 7	1 20	20 40	2 44	23 23	0 9	23 44	0 56	3 17	1 16	17 33	1 9	3 13	0 42	9 2	1 48	25 25	10 42	7 3	6 30	19 14	13 18	2 3
T 31	22s27	6n40	2n29	20s50	2n36	23s26	0n 6	23s39	0s56	3n20	1s16	17n34	1n 9	3s14	0n42	9s 2	1n48	25s24	10s42	7s 3	6s31	19s17	13n18	2s 3

Julian Day Number = 2195851.5, Delta T = 10m24s
Ecliptic obliquity = 23°31'57, Nutation = 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 14°58'35, Lahiri = 14°05'36 Julian Calendar 1 Dec. 1299 == Greg. Calendar 8 Dec. 1299

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