Astrodienst Ephemeris Tables

for the year 2087

tropical geocentric zodiac

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

Programming
Dieter Koch and Alois Treindl
based on Swiss Ephemeris

Code D5EPX

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

ASTRODIENST EPHEMERIS for the year 2087
geocentric

JANUARY 2087 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	6 43 33	10♑45'49	25♏11	20♑10	2♒40	3°R53	18♍54	23♈21	27♒24	18°R17	19°R26	3♐51	2♐22	23♎29	12°R35	W 1
T 2	6 47 30	11°46'59	7♐25	21°48	3°55	3♋30	18°54	23°22	27°27	18♌15	19♈26	3°R51	2°19	23°35	12♊32	T 2
F 3	6 51 26	12°48'09	19°54	23°25	5°10	3° 8	18°R55	23°23	27°29	18°14	19°D26	3°50	2°16	23°42	12°29	F 3
S 4	6 55 23	13°49'19	2♑41	25° 2	6°25	2°46	18°54	23°24	27°32	18°13	19°26	3°47	2°12	23°49	12°26	S 4
S 5	6 59 19	14°50'30	15°45	26°40	7°40	2°25	18°54	23°25	27°35	18°11	19°26	3°41	2° 9	23°55	12°23	S 5
M 6	7 3 16	15°51'40	29° 7	28°17	8°54	2° 4	18°54	23°26	27°38	18°10	19°27	3°35	2° 6	24° 2	12°20	M 6
T 7	7 7 12	16°52'51	12♒44	29°54	10° 9	1°44	18°53	23°28	27°40	18° 9	19°27	3°27	2° 3	24° 9	12°18	T 7
W 8	7 11 9	17°54'01	26°32	1♒30	11°24	1°24	18°52	23°29	27°43	18° 7	19°27	3°19	2° 0	24°15	12°15	W 8
T 9	7 15 6	18°55'10	10♓30	3° 6	12°39	1° 5	18°51	23°31	27°46	18° 6	19°27	3°13	1°56	24°22	12°12	T 9
F 10	7 19 2	19°56'20	24°33	4°42	13°54	0°47	18°50	23°32	27°49	18° 5	19°27	3° 8	1°53	24°29	12°10	F 10
S 11	7 22 59	20°57'28	8♈39	6°16	15° 8	0°29	18°49	23°34	27°52	18° 3	19°27	3° 5	1°50	24°35	12° 7	S 11
S 12	7 26 55	21°58'37	22°47	7°49	16°23	0°12	18°47	23°36	27°55	18° 2	19°27	3°D 4	1°47	24°42	12° 5	S 12
M13	7 30 52	22°59'44	6♉54	9°21	17°38	29♊55	18°45	23°38	27°58	18° 0	19°28	3° 5	1°44	24°49	12° 2	M13
T 14	7 34 48	24° 0'51	20°59	10°51	18°53	29°40	18°43	23°40	28° 1	17°59	19°28	3° 6	1°41	24°55	12° 0	T 14
W15	7 38 45	25° 1'58	5♊ 1	12°19	20° 7	29°25	18°41	23°42	28° 4	17°57	19°28	3°R 7	1°37	25° 2	11°58	W15
T 16	7 42 41	26° 3'04	18°59	13°44	21°22	29°11	18°38	23°44	28° 7	17°56	19°28	3° 6	1°34	25° 9	11°55	T 16
F 17	7 46 38	27° 4'09	2♋51	15° 6	22°36	28°57	18°36	23°47	28°10	17°54	19°29	3° 2	1°31	25°15	11°53	F 17
S 18	7 50 35	28° 5'14	16°33	16°24	23°51	28°45	18°33	23°49	28°13	17°53	19°29	2°56	1°28	25°22	11°51	S 18
S 19	7 54 31	29° 6'18	0♌ 2	17°38	25° 6	28°33	18°30	23°52	28°16	17°51	19°30	2°47	1°25	25°29	11°49	S 19
M20	7 58 28	0♒ 7'22	13°16	18°47	26°20	28°22	18°27	23°54	28°19	17°49	19°30	2°37	1°22	25°35	11°47	M20
T 21	8 2 24	1° 8'25	26°14	19°51	27°35	28°11	18°24	23°57	28°22	17°48	19°30	2°26	1°18	25°42	11°45	T 21
W22	8 6 21	2° 9'27	8♍53	20°47	28°49	28° 2	18°20	24° 0	28°26	17°46	19°31	2°15	1°15	25°49	11°43	W22
T 23	8 10 17	3°10'29	21°16	21°36	0♓ 4	27°53	18°17	24° 3	28°29	17°45	19°31	2° 6	1°12	25°55	11°41	T 23
F 24	8 14 14	4°11'31	3♎25	22°17	1°18	27°46	18°13	24° 6	28°32	17°43	19°32	1°59	1° 9	26° 2	11°40	F 24
S 25	8 18 10	5°12'32	15°22	22°48	2°32	27°38	18° 9	24° 9	28°35	17°41	19°32	1°54	1° 6	26° 9	11°38	S 25
S 26	8 22 7	6°13'32	27°13	23° 9	3°47	27°32	18° 5	24°13	28°39	17°40	19°33	1°52	1° 2	26°15	11°36	S 26
M27	8 26 4	7°14'32	9♏ 1	23°R20	5° 1	27°27	18° 0	24°16	28°42	17°38	19°33	1°D52	0°59	26°22	11°35	M27
T 28	8 30 0	8°15'32	20°54	23°20	6°15	27°22	17°56	24°20	28°45	17°36	19°34	1°52	0°56	26°29	11°33	T 28
W29	8 33 57	9°16'31	2♐55	23° 8	7°29	27°18	17°51	24°23	28°48	17°35	19°34	1°R53	0°53	26°35	11°32	W29
T 30	8 37 53	10°17'29	15°11	22°45	8°44	27°15	17°46	24°27	28°52	17°33	19°35	1°52	0°50	26°42	11°31	T 30
F 31	8 41 50	11♒18'27	27♐46	22♒11	9♓58	27♊13	17♍41	24♈31	28♒55	17♌31	19♈36	1♐49	0♐47	26♎49	11♊29	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	22s59	19s49	0s47	24s 3	2s 9	21s 4	1s33	26n58	3n36	5n29	1n12	6n42	2s33	13s 3	0s43	15n28	0n 8	8s20	17s12	20s55	20s37	12s 7	17n11	5s 9
T 2	22 54	21 13	0n19	23 48	2 10	20 47	1 34	26 59	3 37	5 30	1 12	6 43	2 33	13 2	0 43	15 29	0 8	8 19	17 11	20 55	20 37	12 9	17 11	5 9
F 3	22 49	21 37	1 26	23 31	2 10	20 30	1 35	27 1	3 37	5 30	1 12	6 43	2 32	13 1	0 43	15 29	0 8	8 19	17 11	20 54	20 36	12 11	17 11	5 8
S 4	22 43	20 54	2 30	23 13	2 9	20 12	1 36	27 2	3 38	5 30	1 13	6 44	2 32	13 0	0 43	15 30	0 8	8 19	17 10	20 54	20 36	12 13	17 11	5 8
S 5	22 36	19 4	3 28	22 54	2 8	19 54	1 36	27 3	3 39	5 30	1 13	6 44	2 32	12 59	0 43	15 30	0 8	8 18	17 10	20 53	20 35	12 14	17 10	5 8
M 6	22 29	16 10	4 15	22 33	2 6	19 35	1 37	27 4	3 39	5 31	1 13	6 45	2 31	12 58	0 43	15 31	0 8	8 18	17 10	20 51	20 34	12 16	17 10	5 8
T 7	22 22	12 22	4 49	22 11	2 4	19 15	1 37	27 5	3 40	5 31	1 14	6 46	2 31	12 57	0 43	15 31	0 8	8 17	17 9	20 50	20 34	12 18	17 10	5 8
W 8	22 14	7 51	5 6	21 47	2 1	18 55	1 38	27 5	3 40	5 32	1 14	6 47	2 31	12 56	0 43	15 31	0 8	8 17	17 9	20 49	20 33	12 20	17 10	5 8
T 9	22 6	2 54	5 6	21 21	1 57	18 34	1 38	27 6	3 41	5 33	1 14	6 47	2 31	12 55	0 43	15 32	0 8	8 17	17 9	20 47	20 32	12 22	17 10	5 8
F 10	21 57	2n14	4 47	20 55	1 53	18 13	1 38	27 6	3 41	5 33	1 14	6 48	2 30	12 54	0 43	15 32	0 8	8 16	17 8	20 46	20 32	12 24	17 9	5 8
S 11	21 48	7 17	4 11	20 27	1 48	17 51	1 39	27 6	3 41	5 34	1 15	6 49	2 30	12 53	0 43	15 33	0 8	8 16	17 8	20 46	20 31	12 25	17 9	5 7
S 12	21 38	11 57	3 20	19 58	1 43	17 29	1 39	27 6	3 41	5 35	1 15	6 50	2 30	12 52	0 43	15 33	0 8	8 15	17 7	20 46	20 30	12 27	17 9	5 7
M13	21 28	15 57	2 17	19 27	1 36	17 7	1 39	27 6	3 41	5 36	1 15	6 51	2 29	12 51	0 43	15 34	0 8	8 15	17 7	20 46	20 30	12 29	17 9	5 7
T 14	21 18	19 2	1 5	18 56	1 29	16 43	1 39	27 6	3 41	5 37	1 15	6 52	2 29	12 50	0 43	15 34	0 8	8 15	17 7	20 46	20 29	12 31	17 9	5 7
W15	21 7	20 57	0s10	18 24	1 21	16 20	1 39	27 6	3 40	5 38	1 16	6 53	2 29	12 49	0 43	15 35	0 8	8 14	17 6	20 46	20 29	12 33	17 9	5 7
T 16	20 56	21 34	1 24	17 51	1 12	15 56	1 39	27 6	3 40	5 39	1 16	6 54	2 29	12 48	0 43	15 35	0 9	8 14	17 6	20 46	20 28	12 34	17 8	5 7
F 17	20 44	20 51	2 33	17 18	1 3	15 31	1 38	27 5	3 40	5 41	1 16	6 56	2 28	12 47	0 43	15 36	0 9	8 13	17 6	20 45	20 27	12 36	17 8	5 6
S 18	20 32	18 55	3 31	16 44	0 52	15 6	1 38	27 5	3 39	5 42	1 17	6 57	2 28	12 46	0 43	15 36	0 9	8 13	17 5	20 44	20 27	12 38	17 8	5 6
S 19	20 20	15 57	4 17	16 11	0 40	14 41	1 38	27 4	3 39	5 43	1 17	6 58	2 28	12 45	0 43	15 37	0 9	8 12	17 5	20 42	20 26	12 40	17 8	5 6
M20	20 7	12 14	4 47	15 37	0 28	14 15	1 37	27 3	3 38	5 45	1 17	6 59	2 28	12 43	0 43	15 37	0 9	8 12	17 5	20 40	20 25	12 42	17 8	5 6
T 21	19 54	8 1	5 3	15 5	0 14	13 49	1 37	27 3	3 38	5 46	1 17	7 0	2 27	12 42	0 43	15 38	0 9	8 11	17 4	20 38	20 25	12 43	17 8	5 6
W22	19 40	3 33	5 2	14 33	0n 0	13 23	1 36	27 2	3 37	5 48	1 18	7 2	2 27	12 41	0 43	15 38	0 9	8 11	17 4	20 36	20 24	12 45	17 8	5 5
T 23	19 26	0s57	4 48	14 3	0 15	12 56	1 36	27 1	3 36	5 50	1 18	7 3	2 27	12 40	0 43	15 39	0 9	8 10	17 3	20 34	20 23	12 47	17 8	5 5
F 24	19 12	5 20	4 20	13 35	0 32	12 29	1 35	27 0	3 36	5 51	1 18	7 4	2 26	12 39	0 43	15 39	0 9	8 10	17 3	20 33	20 23	12 49	17 8	5 5
S 25	18 57	9 27	3 42	13 9	0 48	12 2	1 34	26 59	3 35	5 53	1 18	7 6	2 26	12 38	0 43	15 40	0 9	8 9	17 3	20 32	20 22	12 50	17 8	5 5
S 26	18 42	13 11	2 54	12 45	1 6	11 34	1 33	26 58	3 34	5 55	1 19	7 7	2 26	12 37	0 43	15 40	0 9	8 9	17 2	20 31	20 21	12 52	17 8	5 5
M27	18 27	16 22	1 59	12 25	1 23	11 6	1 32	26 57	3 33	5 57	1 19	7 9	2 26	12 36	0 43	15 41	0 9	8 8	17 2	20 31	20 21	12 54	17 8	5 4
T 28	18 11	18 54	0 58	12 9	1 41	10 37	1 31	26 56	3 32	5 59	1 19	7 10	2 25	12 34	0 43	15 41	0 9	8 8	17 2	20 31	20 20	12 56	17 8	5 4
W29	17 55	20 38	0n 6	11 56	1 59	10 9	1 30	26 55	3 31	6 1	1 19	7 12	2 25	12 33	0 43	15 42	0 9	8 7	17 1	20 32	20 19	12 57	17 8	5 4
T 30	17 39	21 26	1 10	11 47	2 16	9 40	1 29	26 54	3 30	6 3	1 20	7 13	2 25	12 32	0 43	15 42	0 9	8 7	17 1	20 31	20 19	12 59	17 8	5 4
F 31	17s23	21s11	2n13	11s42	2n33	9s11	1s27	26n53	3n29	6n 5	1n20	7n15	2s25	12s31	0s43	15n43	0n 9	8s 6	17s 1	20s31	20s18	13s 1	17n 8	5s 3

Julian Day Number = 2483321.5, Delta T = 87.50 sec
Ecliptic obliquity = 23°25'36, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°57'21, Lahiri = 25°04'21

ASTRODIENST EPHEMERIS for the year 2087
geocentric

FEBRUARY 2087

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 45 46	12♒19'24	10♉43	21°R26	11♓12	27°R12	17°R36	24♈35	28♒58	17°R30	19♈36	1°R43	0♐43	26♎55	11°R28	S 1
S 2	8 49 43	13°20'20	24° 3	20♒33	12°26	27°D11	17♍31	24°38	29° 2	17♌28	19°37	1♐35	0°40	27° 2	11♊27	S 2
M 3	8 53 39	14°21'15	7♒46	19°31	13°40	27♊11	17°25	24°43	29° 5	17°26	19°38	1°24	0°37	27° 9	11°26	M 3
T 4	8 57 36	15°22'09	21°49	18°24	14°54	27°12	17°20	24°47	29° 9	17°25	19°38	1°12	0°34	27°15	11°25	T 4
W 5	9 1 33	16°23'02	6♓ 7	17°13	16° 8	27°14	17°14	24°51	29°12	17°23	19°39	1° 0	0°31	27°22	11°24	W 5
T 6	9 5 29	17°23'53	20°33	16° 0	17°22	27°16	17° 8	24°55	29°15	17°21	19°40	0°49	0°28	27°29	11°23	T 6
F 7	9 9 26	18°24'43	5♈ 1	14°47	18°36	27°19	17° 2	25° 0	29°19	17°20	19°40	0°41	0°24	27°35	11°22	F 7
S 8	9 13 22	19°25'32	19°26	13°37	19°50	27°23	16°56	25° 4	29°22	17°18	19°41	0°35	0°21	27°42	11°22	S 8
S 9	9 17 19	20°26'20	3♉43	12°30	21° 4	27°27	16°49	25° 9	29°26	17°16	19°42	0°33	0°18	27°49	11°21	S 9
M10	9 21 15	21°27'06	17°51	11°29	22°17	27°33	16°43	25°13	29°29	17°14	19°43	0°D32	0°15	27°55	11°21	M10
T 11	9 25 12	22°27'50	1♊48	10°34	23°31	27°38	16°36	25°18	29°33	17°13	19°44	0°R32	0°12	28° 2	11°20	T 11
W12	9 29 8	23°28'33	15°34	9°46	24°45	27°45	16°30	25°23	29°36	17°11	19°45	0°31	0° 8	28° 9	11°20	W12
T 13	9 33 5	24°29'14	29°11	9° 6	25°58	27°52	16°23	25°28	29°39	17° 9	19°45	0°29	0° 5	28°15	11°19	T 13
F 14	9 37 2	25°29'54	12♋37	8°34	27°12	28° 0	16°16	25°33	29°43	17° 8	19°46	0°24	0° 2	28°22	11°19	F 14
S 15	9 40 58	26°30'31	25°53	8°10	28°25	28° 8	16° 9	25°38	29°46	17° 6	19°47	0°15	29♏59	28°29	11°19	S 15
S 16	9 44 55	27°31'08	8♌59	7°54	29°39	28°17	16° 2	25°43	29°50	17° 4	19°48	0° 4	29°56	28°35	11°19	S 16
M17	9 48 51	28°31'43	21°53	7°46	0♈52	28°27	15°55	25°48	29°53	17° 3	19°49	29♏51	29°53	28°42	11°D19	M17
T 18	9 52 48	29°32'16	4♍35	7°D44	2° 5	28°37	15°48	25°54	29°57	17° 1	19°50	29°37	29°49	28°49	11°19	T 18
W19	9 56 44	0♓32'47	17° 3	7°50	3°19	28°48	15°40	25°59	0♓ 0	17° 0	19°51	29°23	29°46	28°55	11°19	W19
T 20	10 0 41	1°33'18	29°19	8° 3	4°32	29° 0	15°33	26° 4	0° 4	16°58	19°52	29°11	29°43	29° 2	11°19	T 20
F 21	10 4 37	2°33'47	11♎23	8°21	5°45	29°11	15°26	26°10	0° 7	16°56	19°53	29° 1	29°40	29° 9	11°19	F 21
S 22	10 8 34	3°34'14	23°19	8°45	6°58	29°24	15°18	26°15	0°11	16°55	19°54	28°54	29°37	29°15	11°20	S 22
S 23	10 12 31	4°34'40	5♏ 8	9°14	8°11	29°37	15°11	26°21	0°14	16°53	19°55	28°49	29°34	29°22	11°20	S 23
M24	10 16 27	5°35'05	16°55	9°48	9°24	29°50	15° 3	26°27	0°17	16°52	19°56	28°47	29°30	29°29	11°21	M24
T 25	10 20 24	6°35'28	28°46	10°26	10°36	0♋ 4	14°55	26°32	0°21	16°50	19°57	28°D47	29°27	29°35	11°21	T 25
W26	10 24 20	7°35'51	10♐46	11° 9	11°49	0°19	14°48	26°38	0°24	16°48	19°58	28°R47	29°24	29°42	11°22	W26
T 27	10 28 17	8°36'11	23° 0	11°56	13° 2	0°34	14°40	26°44	0°28	16°47	19°59	28°46	29°21	29°49	11°23	T 27
F 28	10 32 13	9♓36'31	5♉34	12♒46	14♈15	0♋49	14♍32	26♈50	0♓31	16♌45	20♈ 1	28♏44	29♏18	29♎55	11♊23	F 28

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	17s 6	19s49	3n11	11s42	2n48	8s41	1s26	26n52	3n28	6n 7	1n20	7n17	2s24	12s30	0s43	15n43	0n 9	8s 6	17s 0	20s30	20s17	13s 3	17n 8	5s 3
S 2	16 48	17 21	4 0	11 46	3 2	8 12	1 25	26 51	3 27	6 10	1 20	7 18	2 24	12 29	0 43	15 44	0 9	8 5	17 0	20 28	20 17	13 4	17 8	5 3
M 3	16 31	13 52	4 36	11 53	3 14	7 42	1 23	26 50	3 26	6 12	1 20	7 20	2 24	12 27	0 43	15 44	0 9	8 5	17 0	20 26	20 16	13 6	17 8	5 3
T 4	16 13	9 32	4 57	12 4	3 24	7 12	1 22	26 49	3 25	6 15	1 21	7 22	2 24	12 26	0 43	15 45	0 9	8 4	16 59	20 23	20 16	13 8	17 9	5 2
W 5	15 55	4 37	5 0	12 18	3 32	6 42	1 20	26 48	3 24	6 17	1 21	7 24	2 23	12 25	0 43	15 45	0 9	8 3	16 59	20 21	20 15	13 10	17 9	5 2
T 6	15 37	0n36	4 44	12 35	3 37	6 11	1 18	26 47	3 23	6 19	1 21	7 25	2 23	12 24	0 43	15 46	0 9	8 3	16 59	20 19	20 14	13 11	17 9	5 2
F 7	15 18	5 48	4 9	12 53	3 40	5 41	1 16	26 46	3 22	6 22	1 21	7 27	2 23	12 23	0 43	15 46	0 9	8 2	16 58	20 17	20 14	13 13	17 9	5 2
S 8	14 59	10 40	3 19	13 13	3 40	5 10	1 15	26 45	3 21	6 25	1 21	7 29	2 23	12 21	0 43	15 47	0 9	8 2	16 58	20 16	20 13	13 15	17 9	5 1
S 9	14 40	14 54	2 17	13 33	3 38	4 39	1 13	26 43	3 19	6 27	1 22	7 31	2 22	12 20	0 43	15 47	0 9	8 1	16 58	20 15	20 12	13 16	17 9	5 1
M10	14 21	18 13	1 7	13 54	3 34	4 8	1 11	26 42	3 18	6 30	1 22	7 33	2 22	12 19	0 43	15 48	0 9	8 1	16 57	20 15	20 12	13 18	17 10	5 1
T 11	14 1	20 24	0s 7	14 14	3 28	3 37	1 9	26 41	3 17	6 33	1 22	7 35	2 22	12 18	0 43	15 48	0 9	8 0	16 57	20 15	20 11	13 20	17 10	5 1
W12	13 41	21 20	1 19	14 34	3 21	3 6	1 6	26 40	3 16	6 35	1 22	7 37	2 22	12 17	0 43	15 49	0 9	7 59	16 57	20 15	20 10	13 22	17 10	5 0
T 13	13 21	21 0	2 25	14 53	3 12	2 35	1 4	26 39	3 15	6 38	1 22	7 39	2 21	12 15	0 43	15 50	0 9	7 59	16 57	20 14	20 10	13 23	17 10	5 0
F 14	13 1	19 28	3 23	15 11	3 2	2 4	1 2	26 38	3 13	6 41	1 23	7 41	2 21	12 14	0 43	15 50	0 9	7 58	16 56	20 13	20 9	13 25	17 10	5 0
S 15	12 40	16 53	4 8	15 28	2 51	1 32	1 0	26 37	3 12	6 44	1 23	7 43	2 21	12 13	0 43	15 51	0 9	7 58	16 56	20 12	20 8	13 27	17 11	5 0
S 16	12 20	13 30	4 40	15 43	2 39	1 1	0 57	26 36	3 11	6 47	1 23	7 45	2 21	12 12	0 43	15 51	0 9	7 57	16 56	20 9	20 7	13 28	17 11	4 59
M17	11 59	9 31	4 57	15 57	2 27	0 30	0 55	26 35	3 10	6 50	1 23	7 47	2 21	12 10	0 43	15 52	0 9	7 56	16 55	20 7	20 7	13 30	17 11	4 59
T 18	11 38	5 11	4 59	16 9	2 15	0n 2	0 52	26 34	3 8	6 53	1 23	7 49	2 20	12 9	0 43	15 52	0 9	7 56	16 55	20 4	20 6	13 32	17 11	4 59
W19	11 16	0 43	4 46	16 20	2 2	0 33	0 50	26 32	3 7	6 56	1 23	7 51	2 20	12 8	0 43	15 53	0 9	7 55	16 55	20 1	20 5	13 33	17 12	4 58
T 20	10 55	3s42	4 20	16 29	1 49	1 5	0 47	26 31	3 6	6 59	1 23	7 53	2 20	12 7	0 43	15 53	0 9	7 55	16 55	19 58	20 5	13 35	17 12	4 58
F 21	10 33	7 55	3 43	16 37	1 37	1 36	0 44	26 30	3 5	7 2	1 24	7 55	2 20	12 6	0 43	15 54	0 9	7 54	16 54	19 56	20 4	13 37	17 12	4 58
S 22	10 12	11 46	2 56	16 43	1 24	2 7	0 42	26 29	3 4	7 5	1 24	7 58	2 20	12 4	0 43	15 54	0 9	7 53	16 54	19 54	20 3	13 38	17 13	4 58
S 23	9 50	15 8	2 2	16 47	1 12	2 39	0 39	26 28	3 2	7 8	1 24	8 0	2 19	12 3	0 43	15 55	0 9	7 53	16 54	19 53	20 3	13 40	17 13	4 57
M24	9 28	17 53	1 2	16 50	0 59	3 10	0 36	26 27	3 1	7 11	1 24	8 2	2 19	12 2	0 43	15 55	0 9	7 52	16 54	19 53	20 2	13 42	17 13	4 57
T 25	9 5	19 53	0 0	16 51	0 47	3 41	0 33	26 25	3 0	7 14	1 24	8 4	2 19	12 1	0 43	15 56	0 9	7 51	16 53	19 53	20 1	13 43	17 14	4 57
W26	8 43	21 0	1n 3	16 51	0 36	4 13	0 30	26 24	2 59	7 17	1 24	8 7	2 19	11 59	0 43	15 56	0 9	7 51	16 53	19 53	20 1	13 45	17 14	4 57
T 27	8 20	21 10	2 5	16 49	0 24	4 44	0 27	26 23	2 57	7 20	1 24	8 9	2 19	11 58	0 43	15 56	0 9	7 50	16 53	19 53	20 0	13 47	17 14	4 56
F 28	7s58	20s17	3n 2	16s46	0n13	5n15	0s24	26n22	2n56	7n23	1n24	8n11	2s18	11s57	0s43	15n57	0n 9	7s50	16s53	19s52	19s59	13s48	17n15	4s56

Julian Day Number = 2483352.5, Delta T = 87.54 sec
Ecliptic obliquity = 23°25'36, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°57'25, Lahiri = 25°04'26

ASTRODIENST EPHEMERIS for the year 2087
geocentric

MARCH 2087 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	10 36 10	10♓36'48	18♉32	13♒39	15♈27	1♋ 5	14°R24	26♈56	0♓35	16°R44	20♈ 2	28°R39	29♏14	0♏ 2	11♊24	S 1
S 2	10 40 6	11°37'05	1♒57	14°35	16°40	1°21	14♍16	27° 2	0°38	16♌42	20° 3	28♏31	29°11	0° 9	11°25	S 2
M 3	10 44 3	12°37'19	15°49	15°34	17°52	1°38	14° 8	27° 8	0°42	16°41	20° 4	28°21	29° 8	0°15	11°26	M 3
T 4	10 48 0	13°37'32	0♓ 7	16°36	19° 4	1°55	14° 1	27°15	0°45	16°39	20° 5	28°10	29° 5	0°22	11°27	T 4
W 5	10 51 56	14°37'44	14°45	17°40	20°17	2°13	13°53	27°21	0°48	16°38	20° 6	27°58	29° 2	0°29	11°28	W 5
T 6	10 55 53	15°37'53	29°36	18°47	21°29	2°31	13°45	27°27	0°52	16°36	20° 8	27°48	28°59	0°35	11°30	T 6
F 7	10 59 49	16°38'00	14♈31	19°56	22°41	2°50	13°37	27°34	0°55	16°35	20° 9	27°40	28°55	0°42	11°31	F 7
S 8	11 3 46	17°38'06	29°20	21° 6	23°53	3° 9	13°29	27°40	0°58	16°34	20°10	27°34	28°52	0°49	11°32	S 8
S 9	11 7 42	18°38'09	13♉58	22°19	25° 5	3°28	13°21	27°47	1° 2	16°32	20°11	27°32	28°49	0°55	11°34	S 9
M10	11 11 39	19°38'11	28°20	23°34	26°17	3°47	13°14	27°53	1° 5	16°31	20°13	27°D31	28°46	1° 2	11°35	M10
T 11	11 15 35	20°38'10	12♊23	24°50	27°29	4° 7	13° 6	28° 0	1° 8	16°29	20°14	27°31	28°43	1° 9	11°37	T 11
W12	11 19 32	21°38'07	26° 8	26° 8	28°40	4°28	12°58	28° 6	1°12	16°28	20°15	27°R31	28°39	1°15	11°39	W12
T 13	11 23 29	22°38'02	9♋36	27°28	29°52	4°48	12°50	28°13	1°15	16°27	20°16	27°30	28°36	1°22	11°40	T 13
F 14	11 27 25	23°37'55	22°48	28°49	1♉ 3	5° 9	12°43	28°20	1°18	16°26	20°18	27°26	28°33	1°29	11°42	F 14
S 15	11 31 22	24°37'45	5♌46	0♓12	2°15	5°31	12°35	28°27	1°22	16°24	20°19	27°20	28°30	1°35	11°44	S 15
S 16	11 35 18	25°37'33	18°32	1°36	3°26	5°52	12°28	28°33	1°25	16°23	20°20	27°12	28°27	1°42	11°46	S 16
M17	11 39 15	26°37'19	1♍ 7	3° 2	4°37	6°14	12°20	28°40	1°28	16°22	20°22	27° 1	28°24	1°49	11°48	M17
T 18	11 43 11	27°37'03	13°31	4°29	5°48	6°37	12°13	28°47	1°31	16°21	20°23	26°50	28°20	1°55	11°50	T 18
W19	11 47 8	28°36'45	25°45	5°57	6°59	6°59	12° 6	28°54	1°34	16°20	20°24	26°39	28°17	2° 2	11°52	W19
T 20	11 51 4	29°36'25	7♎50	7°27	8°10	7°22	11°58	29° 1	1°38	16°18	20°25	26°29	28°14	2° 9	11°54	T 20
F 21	11 55 1	0♈36'03	19°47	8°58	9°21	7°45	11°51	29° 8	1°41	16°17	20°27	26°21	28°11	2°15	11°56	F 21
S 22	11 58 57	1°35'39	1♏39	10°31	10°31	8° 9	11°44	29°15	1°44	16°16	20°28	26°15	28° 8	2°22	11°59	S 22
S 23	12 2 54	2°35'13	13°26	12° 4	11°42	8°33	11°37	29°22	1°47	16°15	20°30	26°12	28° 5	2°29	12° 1	S 23
M24	12 6 51	3°34'45	25°14	13°40	12°52	8°57	11°30	29°29	1°50	16°14	20°31	26°D11	28° 1	2°35	12° 4	M24
T 25	12 10 47	4°34'16	7♐ 5	15°16	14° 2	9°21	11°24	29°37	1°53	16°13	20°32	26°11	27°58	2°42	12° 6	T 25
W26	12 14 44	5°33'45	19° 4	16°54	15°13	9°45	11°17	29°44	1°56	16°12	20°34	26°12	27°55	2°49	12° 9	W26
T 27	12 18 40	6°33'12	1♑17	18°33	16°23	10°10	11°11	29°51	1°59	16°11	20°35	26°R13	27°52	2°55	12°11	T 27
F 28	12 22 37	7°32'37	13°47	20°13	17°32	10°35	11° 4	29°58	2° 2	16°10	20°36	26°13	27°49	3° 2	12°14	F 28
S 29	12 26 33	8°32'00	26°41	21°55	18°42	11° 0	10°58	0♉ 6	2° 5	16° 9	20°38	26°12	27°45	3° 9	12°17	S 29
S 30	12 30 30	9°31'22	10♒ 2	23°38	19°52	11°26	10°52	0°13	2° 8	16° 8	20°39	26° 8	27°42	3°15	12°20	S 30
M31	12 34 26	10♈30'42	23♒52	25♓23	21♉ 1	11♋51	10♍46	0♉20	2♓11	16♌ 8	20♈41	26♏ 3	27♏39	3♏22	12♊22	M31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	7s35	18s19	3n52	16s41	0n 2	5n46	0s21	26n20	2n55	7n26	1n24	8n14	2s18	11s56	0s43	15n57	0n 9	7s49	16s52	19s51	19s59	13s50	17n15	4s56
S 2	7 12	15 19	4 30	16 35	0s 8	6 16	0 18	26 19	2 54	7 29	1 25	8 16	2 18	11 55	0 43	15 58	0 9	7 48	16 52	19 49	19 58	13 52	17 16	4 55
M 3	6 49	11 24	4 55	16 27	0 18	6 47	0 15	26 18	2 53	7 32	1 25	8 18	2 18	11 53	0 43	15 58	0 9	7 48	16 52	19 47	19 57	13 53	17 16	4 55
T 4	6 26	6 43	5 1	16 18	0 28	7 17	0 11	26 16	2 51	7 35	1 25	8 21	2 18	11 52	0 43	15 59	0 9	7 47	16 52	19 44	19 57	13 55	17 16	4 55
W 5	6 3	1 33	4 49	16 7	0 37	7 48	0 8	26 15	2 50	7 39	1 25	8 23	2 17	11 51	0 43	15 59	0 9	7 46	16 51	19 42	19 56	13 56	17 17	4 55
T 6	5 40	3n46	4 17	15 55	0 46	8 18	0 5	26 13	2 49	7 42	1 25	8 25	2 17	11 50	0 43	16 0	0 9	7 46	16 51	19 40	19 55	13 58	17 17	4 54
F 7	5 16	8 54	3 27	15 41	0 55	8 48	0 1	26 12	2 48	7 45	1 25	8 28	2 17	11 49	0 43	16 0	0 9	7 45	16 51	19 38	19 54	14 0	17 18	4 54
S 8	4 53	13 28	2 24	15 27	1 3	9 18	0n 2	26 10	2 47	7 48	1 25	8 30	2 17	11 48	0 43	16 1	0 9	7 45	16 51	19 36	19 54	14 1	17 18	4 54
S 9	4 30	17 10	1 11	15 10	1 10	9 47	0 5	26 8	2 45	7 51	1 25	8 33	2 17	11 46	0 43	16 1	0 9	7 44	16 51	19 36	19 53	14 3	17 19	4 54
M10	4 6	19 42	0s 4	14 53	1 18	10 17	0 9	26 7	2 44	7 54	1 25	8 35	2 17	11 45	0 43	16 1	0 9	7 43	16 50	19 36	19 52	14 5	17 19	4 53
T 11	3 43	20 58	1 18	14 34	1 25	10 46	0 12	26 5	2 43	7 57	1 25	8 38	2 17	11 44	0 43	16 2	0 9	7 43	16 50	19 36	19 52	14 6	17 20	4 53
W12	3 19	20 56	2 26	14 14	1 31	11 15	0 16	26 3	2 42	8 0	1 25	8 40	2 16	11 43	0 43	16 2	0 9	7 42	16 50	19 36	19 51	14 8	17 20	4 53
T 13	2 55	19 41	3 25	13 52	1 38	11 43	0 19	26 1	2 41	8 3	1 25	8 43	2 16	11 42	0 43	16 3	0 9	7 42	16 50	19 36	19 50	14 9	17 20	4 52
F 14	2 32	17 23	4 11	13 30	1 43	12 12	0 23	25 59	2 40	8 6	1 25	8 45	2 16	11 41	0 43	16 3	0 9	7 41	16 50	19 35	19 50	14 11	17 21	4 52
S 15	2 8	14 15	4 43	13 5	1 49	12 40	0 26	25 57	2 39	8 9	1 25	8 48	2 16	11 39	0 43	16 3	0 9	7 40	16 50	19 33	19 49	14 13	17 21	4 52
S 16	1 44	10 30	5 0	12 40	1 54	13 7	0 30	25 55	2 37	8 11	1 25	8 50	2 16	11 38	0 43	16 4	0 9	7 40	16 49	19 31	19 48	14 14	17 22	4 52
M17	1 21	6 21	5 3	12 13	1 58	13 35	0 34	25 53	2 36	8 14	1 25	8 53	2 16	11 37	0 43	16 4	0 9	7 39	16 49	19 29	19 48	14 16	17 22	4 51
T 18	0 57	2 0	4 51	11 46	2 2	14 2	0 37	25 51	2 35	8 17	1 25	8 55	2 16	11 36	0 43	16 4	0 9	7 38	16 49	19 26	19 47	14 17	17 23	4 51
W19	0 33	2s23	4 26	11 16	2 6	14 29	0 41	25 48	2 34	8 20	1 25	8 58	2 15	11 35	0 43	16 5	0 9	7 38	16 49	19 24	19 46	14 19	17 24	4 51
T 20	0 9	6 37	3 49	10 46	2 9	14 55	0 45	25 46	2 33	8 23	1 25	9 1	2 15	11 34	0 43	16 5	0 9	7 37	16 49	19 21	19 45	14 20	17 24	4 51
F 21	0n14	10 33	3 2	10 15	2 12	15 22	0 48	25 44	2 32	8 25	1 25	9 3	2 15	11 33	0 43	16 6	0 9	7 37	16 49	19 20	19 45	14 22	17 25	4 50
S 22	0 38	14 2	2 8	9 42	2 15	15 47	0 52	25 41	2 31	8 28	1 25	9 6	2 15	11 32	0 43	16 6	0 9	7 36	16 49	19 18	19 44	14 24	17 25	4 50
S 23	1 2	16 57	1 8	9 8	2 16	16 13	0 56	25 39	2 30	8 30	1 25	9 8	2 15	11 30	0 43	16 6	0 9	7 35	16 48	19 17	19 43	14 25	17 26	4 50
M24	1 25	19 9	0 5	8 33	2 18	16 38	0 59	25 36	2 29	8 33	1 25	9 11	2 15	11 29	0 43	16 7	0 9	7 35	16 48	19 17	19 43	14 27	17 26	4 50
T 25	1 49	20 31	0n59	7 56	2 19	17 3	1 3	25 33	2 28	8 36	1 25	9 14	2 15	11 28	0 43	16 7	0 9	7 34	16 48	19 17	19 42	14 28	17 27	4 50
W26	2 13	20 59	2 0	7 19	2 20	17 27	1 7	25 30	2 27	8 38	1 25	9 16	2 15	11 27	0 43	16 7	0 9	7 34	16 48	19 18	19 41	14 30	17 27	4 49
T 27	2 36	20 27	2 58	6 40	2 20	17 51	1 10	25 27	2 26	8 40	1 25	9 19	2 14	11 26	0 43	16 7	0 9	7 33	16 48	19 18	19 40	14 31	17 28	4 49
F 28	3 0	18 55	3 49	6 1	2 20	18 14	1 14	25 24	2 25	8 43	1 25	9 21	2 14	11 25	0 43	16 8	0 9	7 32	16 48	19 18	19 40	14 33	17 28	4 49
S 29	3 23	16 24	4 29	5 20	2 19	18 37	1 18	25 21	2 24	8 45	1 24	9 24	2 14	11 24	0 43	16 8	0 9	7 32	16 48	19 17	19 39	14 34	17 29	4 49
S 30	3 46	12 57	4 57	4 38	2 17	19 0	1 21	25 18	2 23	8 47	1 24	9 27	2 14	11 23	0 43	16 8	0 9	7 31	16 48	19 17	19 38	14 36	17 30	4 48
M31	4n10	8s42	5n 9	3s55	2s16	19n22	1n25	25n15	2n21	8n50	1n24	9n29	2s14	11s22	0s43	16n 9	0n 9	7s31	16s48	19s15	19s38	14s37	17n30	4s48

Julian Day Number = 2483380.5, Delta T = 87.57 sec
Ecliptic obliquity = 23°25'36, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°57'29, Lahiri = 25°04'30

ASTRODIENST EPHEMERIS for the year 2087
geocentric

APRIL 2087 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 38 23	11♈30'00	8♓10	27♓ 8	22♉11	12♋17	10°R40	0♉28	2♓14	16°R 7	20♈42	25°R56	27♏36	3♏29	12♊25	T 1
W 2	12 42 20	12°29'16	22°53	28°55	23°20	12°43	10♍34	0°35	2°17	16♌ 6	20°43	25♏49	27°33	3°35	12°28	W 2
T 3	12 46 16	13°28'31	7♈54	0♈44	24°29	13°10	10°28	0°42	2°19	16° 5	20°45	25°43	27°30	3°42	12°31	T 3
F 4	12 50 13	14°27'43	23° 4	2°34	25°38	13°36	10°23	0°50	2°22	16° 4	20°46	25°38	27°26	3°49	12°35	F 4
S 5	12 54 9	15°26'53	8♉12	4°25	26°47	14° 3	10°17	0°57	2°25	16° 4	20°48	25°35	27°23	3°55	12°38	S 5
S 6	12 58 6	16°26'01	23°11	6°18	27°56	14°30	10°12	1° 5	2°28	16° 3	20°49	25°D34	27°20	4° 2	12°41	S 6
M 7	13 2 2	17°25'07	7♊51	8°12	29° 4	14°57	10° 7	1°12	2°30	16° 2	20°51	25°34	27°17	4° 9	12°44	M 7
T 8	13 5 59	18°24'11	22°10	10° 8	0♊13	15°24	10° 2	1°20	2°33	16° 2	20°52	25°35	27°14	4°15	12°48	T 8
W 9	13 9 55	19°23'12	6♋ 5	12° 5	1°21	15°52	9°57	1°27	2°36	16° 1	20°53	25°37	27°11	4°22	12°51	W 9
T 10	13 13 52	20°22'11	19°36	14° 3	2°29	16°20	9°53	1°35	2°38	16° 1	20°55	25°R37	27° 7	4°28	12°54	T 10
F 11	13 17 49	21°21'08	2♌46	16° 3	3°37	16°48	9°48	1°42	2°41	16° 0	20°56	25°37	27° 4	4°35	12°58	F 11
S 12	13 21 45	22°20'02	15°36	18° 4	4°45	17°16	9°44	1°50	2°43	16° 0	20°58	25°35	27° 1	4°42	13° 1	S 12
S 13	13 25 42	23°18'54	28°11	20° 6	5°52	17°44	9°40	1°58	2°46	15°59	20°59	25°31	26°58	4°48	13° 5	S 13
M14	13 29 38	24°17'44	10♍32	22° 9	7° 0	18°12	9°36	2° 5	2°48	15°59	21° 0	25°26	26°55	4°55	13° 8	M14
T 15	13 33 35	25°16'31	22°43	24°14	8° 7	18°41	9°32	2°13	2°51	15°58	21° 2	25°21	26°51	5° 2	13°12	T 15
W16	13 37 31	26°15'17	4♎45	26°19	9°14	19° 9	9°29	2°20	2°53	15°58	21° 3	25°16	26°48	5° 8	13°16	W16
T 17	13 41 28	27°14'00	16°40	28°25	10°21	19°38	9°26	2°28	2°56	15°58	21° 5	25°11	26°45	5°15	13°20	T 17
F 18	13 45 24	28°12'41	28°32	0♉32	11°27	20° 7	9°22	2°36	2°58	15°57	21° 6	25° 8	26°42	5°22	13°23	F 18
S 19	13 49 21	29°11'21	10♏20	2°39	12°34	20°37	9°19	2°43	3° 0	15°57	21° 8	25° 5	26°39	5°28	13°27	S 19
S 20	13 53 17	0♉ 9'58	22° 8	4°46	13°40	21° 6	9°16	2°51	3° 2	15°57	21° 9	25°D 4	26°36	5°35	13°31	S 20
M21	13 57 14	1° 8'34	3♐58	6°53	14°46	21°35	9°14	2°59	3° 5	15°57	21°10	25° 5	26°32	5°42	13°35	M21
T 22	14 1 11	2° 7'08	15°53	9° 0	15°52	22° 5	9°11	3° 6	3° 7	15°57	21°12	25° 6	26°29	5°48	13°39	T 22
W23	14 5 7	3° 5'41	27°56	11° 6	16°57	22°35	9° 9	3°14	3° 9	15°56	21°13	25° 7	26°26	5°55	13°43	W23
T 24	14 9 4	4° 4'11	10♑12	13°11	18° 2	23° 4	9° 7	3°22	3°11	15°56	21°15	25° 9	26°23	6° 2	13°47	T 24
F 25	14 13 0	5° 2'40	22°43	15°15	19° 7	23°34	9° 5	3°29	3°13	15°56	21°16	25°10	26°20	6° 8	13°51	F 25
S 26	14 16 57	6° 1'08	5♒35	17°17	20°12	24° 5	9° 3	3°37	3°15	15°D56	21°17	25°R11	26°16	6°15	13°55	S 26
S 27	14 20 53	6°59'33	18°50	19°17	21°17	24°35	9° 1	3°45	3°17	15°56	21°19	25°10	26°13	6°22	14° 0	S 27
M28	14 24 50	7°57'57	2♓31	21°15	22°21	25° 5	9° 0	3°52	3°19	15°56	21°20	25° 9	26°10	6°28	14° 4	M28
T 29	14 28 46	8°56'20	16°40	23°11	23°25	25°36	8°59	4° 0	3°21	15°56	21°22	25° 7	26° 7	6°35	14° 8	T 29
W30	14 32 43	9♉54'41	1♈13	25♉ 3	24♊29	26♋ 6	8♍57	4♉ 8	3♓23	15♌57	21♈23	25♏ 5	26♏ 4	6♏42	14♊12	W30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	4n33	3s50	5n 2	3s11	2s13	19n44	1n28	25n11	2n20	8n52	1n24	9n32	2s14	11s21	0s43	16n 9	0n 9	7s30	16s48	19s14	19s37	14s39	17n31	4s48
W 2	4 56	1n24	4 36	2 26	2 11	20 5	1 32	25 8	2 19	8 54	1 24	9 35	2 14	11 20	0 43	16 9	0 9	7 30	16 48	19 12	19 36	14 40	17 31	4 48
T 3	5 19	6 39	3 50	1 40	2 8	20 25	1 35	25 4	2 18	8 56	1 24	9 37	2 14	11 19	0 43	16 9	0 9	7 29	16 48	19 11	19 35	14 42	17 32	4 47
F 4	5 42	11 33	2 47	0 52	2 4	20 46	1 39	25 1	2 17	8 58	1 24	9 40	2 14	11 18	0 43	16 9	0 9	7 29	16 48	19 9	19 35	14 43	17 33	4 47
S 5	6 5	15 42	1 33	0 4	2 0	21 5	1 42	24 57	2 17	9 0	1 24	9 43	2 14	11 17	0 43	16 10	0 9	7 28	16 47	19 9	19 34	14 45	17 33	4 47
S 6	6 27	18 46	0 13	0n45	1 55	21 25	1 46	24 53	2 16	9 2	1 24	9 45	2 14	11 16	0 43	16 10	0 9	7 27	16 47	19 8	19 33	14 46	17 34	4 47
M 7	6 50	20 31	1s 7	1 34	1 50	21 43	1 49	24 49	2 15	9 4	1 24	9 48	2 14	11 15	0 44	16 10	0 9	7 27	16 47	19 9	19 33	14 48	17 34	4 47
T 8	7 13	20 52	2 20	2 25	1 44	22 1	1 53	24 45	2 14	9 5	1 23	9 51	2 13	11 14	0 44	16 10	0 9	7 26	16 47	19 9	19 32	14 49	17 35	4 46
W 9	7 35	19 54	3 23	3 16	1 38	22 19	1 56	24 41	2 13	9 7	1 23	9 53	2 13	11 13	0 44	16 10	0 9	7 26	16 47	19 9	19 31	14 51	17 36	4 46
T 10	7 57	17 49	4 13	4 9	1 31	22 36	1 59	24 36	2 12	9 9	1 23	9 56	2 13	11 12	0 44	16 11	0 9	7 25	16 47	19 9	19 30	14 52	17 36	4 46
F 11	8 19	14 51	4 48	5 1	1 24	22 52	2 3	24 32	2 11	9 10	1 23	9 59	2 13	11 12	0 44	16 11	0 9	7 25	16 47	19 9	19 30	14 54	17 37	4 46
S 12	8 41	11 15	5 8	5 55	1 16	23 8	2 6	24 28	2 10	9 12	1 23	10 1	2 13	11 11	0 44	16 11	0 9	7 24	16 47	19 9	19 29	14 55	17 37	4 46
S 13	9 3	7 13	5 12	6 48	1 8	23 24	2 9	24 23	2 9	9 13	1 23	10 4	2 13	11 10	0 44	16 11	0 9	7 24	16 47	19 8	19 28	14 57	17 38	4 46
M14	9 25	2 57	5 2	7 43	0 59	23 38	2 12	24 18	2 8	9 14	1 23	10 6	2 13	11 9	0 44	16 11	0 9	7 23	16 47	19 7	19 27	14 58	17 39	4 45
T 15	9 46	1s22	4 38	8 37	0 50	23 53	2 15	24 13	2 7	9 16	1 22	10 9	2 13	11 8	0 44	16 11	0 9	7 23	16 47	19 5	19 27	15 0	17 39	4 45
W16	10 8	5 35	4 2	9 31	0 41	24 6	2 18	24 8	2 6	9 17	1 22	10 12	2 13	11 7	0 44	16 11	0 9	7 22	16 47	19 4	19 26	15 1	17 40	4 45
T 17	10 29	9 33	3 15	10 26	0 31	24 19	2 21	24 3	2 5	9 18	1 22	10 14	2 13	11 6	0 44	16 12	0 9	7 22	16 47	19 3	19 25	15 3	17 40	4 45
F 18	10 50	13 8	2 21	11 20	0 21	24 31	2 24	23 58	2 4	9 19	1 22	10 17	2 13	11 6	0 44	16 12	0 9	7 21	16 47	19 2	19 24	15 4	17 41	4 45
S 19	11 11	16 11	1 20	12 14	0 10	24 43	2 27	23 53	2 3	9 20	1 22	10 20	2 13	11 5	0 44	16 12	0 9	7 21	16 48	19 2	19 24	15 6	17 42	4 45
S 20	11 31	18 33	0 16	13 7	0n 0	24 54	2 30	23 47	2 3	9 21	1 22	10 22	2 13	11 4	0 44	16 12	0 9	7 20	16 48	19 1	19 23	15 7	17 42	4 44
M21	11 52	20 8	0n49	13 59	0 11	25 5	2 33	23 42	2 2	9 22	1 22	10 25	2 13	11 3	0 44	16 12	0 9	7 20	16 48	19 1	19 22	15 9	17 43	4 44
T 22	12 12	20 49	1 52	14 50	0 22	25 15	2 35	23 36	2 1	9 23	1 21	10 28	2 13	11 2	0 44	16 12	0 9	7 20	16 48	19 2	19 22	15 10	17 43	4 44
W23	12 32	20 33	2 52	15 40	0 33	25 24	2 38	23 30	2 0	9 23	1 21	10 30	2 13	11 2	0 44	16 12	0 9	7 19	16 48	19 2	19 21	15 11	17 44	4 44
T 24	12 52	19 19	3 44	16 29	0 44	25 33	2 40	23 25	1 59	9 24	1 21	10 33	2 13	11 1	0 44	16 12	0 9	7 19	16 48	19 3	19 20	15 13	17 45	4 44
F 25	13 12	17 7	4 27	17 16	0 54	25 41	2 43	23 19	1 58	9 25	1 21	10 35	2 13	11 0	0 44	16 12	0 9	7 18	16 48	19 3	19 19	15 14	17 45	4 44
S 26	13 31	14 3	4 58	18 1	1 5	25 48	2 45	23 12	1 57	9 25	1 21	10 38	2 13	11 0	0 44	16 12	0 9	7 18	16 48	19 3	19 19	15 16	17 46	4 44
S 27	13 50	10 11	5 14	18 45	1 15	25 55	2 47	23 6	1 56	9 26	1 21	10 40	2 13	10 59	0 44	16 12	0 9	7 17	16 48	19 3	19 18	15 17	17 46	4 44
M28	14 9	5 41	5 14	19 26	1 25	26 1	2 49	23 0	1 56	9 26	1 20	10 43	2 13	10 58	0 44	16 12	0 9	7 17	16 48	19 3	19 17	15 19	17 47	4 43
T 29	14 28	0 44	4 54	20 5	1 34	26 7	2 51	22 53	1 55	9 26	1 20	10 46	2 13	10 58	0 44	16 12	0 9	7 17	16 48	19 2	19 16	15 20	17 48	4 43
W30	14n47	4n24	4n16	20n41	1n43	26n12	2n53	22n47	1n54	9n27	1n20	10n48	2s13	10s57	0s44	16n12	0n 9	7s16	16s48	19s 2	19s16	15s21	17n48	4s43

Julian Day Number = 2483411.5, Delta T = 87.60 sec
Ecliptic obliquity = 23°25'36, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°57'33, Lahiri = 25°04'34

ASTRODIENST EPHEMERIS for the year 2087
geocentric

MAY 2087

00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	14 36 40	10♉53'00	16♈ 7	26♉53	25♊33	26♋37	8°R57	4♉15	3♓24	15♌57	21♈24	25°R 4	26♏ 1	6♏48	14♊17	T 1
F 2	14 40 36	11°51'18	1♉15	28°40	26°36	27° 8	8♍56	4°23	3°26	15°57	21°26	25♏ 2	25°57	6°55	14°21	F 2
S 3	14 44 33	12°49'34	16°28	0♊23	27°39	27°39	8°55	4°30	3°28	15°57	21°27	25° 2	25°54	7° 2	14°25	S 3
S 4	14 48 29	13°47'49	1♊35	2° 2	28°42	28°10	8°55	4°38	3°30	15°57	21°28	25°D 2	25°51	7° 8	14°30	S 4
M 5	14 52 26	14°46'01	16°28	3°38	29°44	28°41	8°D55	4°46	3°31	15°58	21°30	25° 2	25°48	7°15	14°34	M 5
T 6	14 56 22	15°44'12	1♋ 1	5°10	0♋46	29°13	8°55	4°53	3°33	15°58	21°31	25° 3	25°45	7°21	14°39	T 6
W 7	15 0 19	16°42'21	15° 8	6°38	1°48	29°44	8°55	5° 1	3°34	15°58	21°32	25° 3	25°42	7°28	14°43	W 7
T 8	15 4 15	17°40'28	28°49	8° 2	2°50	0♌16	8°56	5° 8	3°36	15°59	21°34	25° 4	25°38	7°35	14°48	T 8
F 9	15 8 12	18°38'33	12♌ 4	9°22	3°51	0°47	8°56	5°16	3°37	15°59	21°35	25° 4	25°35	7°41	14°52	F 9
S 10	15 12 9	19°36'36	24°56	10°38	4°52	1°19	8°57	5°23	3°39	15°59	21°36	25°R 4	25°32	7°48	14°57	S 10
S 11	15 16 5	20°34'36	7♍28	11°49	5°52	1°51	8°58	5°31	3°40	16° 0	21°37	25° 4	25°29	7°55	15° 1	S 11
M12	15 20 2	21°32'36	19°44	12°57	6°52	2°23	8°59	5°38	3°41	16° 0	21°39	25° 4	25°26	8° 1	15° 6	M12
T 13	15 23 58	22°30'33	1♎47	14° 0	7°52	2°55	9° 1	5°46	3°43	16° 1	21°40	25° 4	25°22	8° 8	15°11	T 13
W14	15 27 55	23°28'28	13°42	14°58	8°51	3°27	9° 2	5°53	3°44	16° 1	21°41	25° 3	25°19	8°15	15°15	W14
T 15	15 31 51	24°26'22	25°32	15°52	9°50	3°59	9° 4	6° 1	3°45	16° 2	21°42	25° 3	25°16	8°21	15°20	T 15
F 16	15 35 48	25°24'14	7♏20	16°42	10°48	4°31	9° 6	6° 8	3°46	16° 3	21°44	25°D 3	25°13	8°28	15°25	F 16
S 17	15 39 44	26°22'05	19° 8	17°27	11°46	5° 4	9° 8	6°15	3°47	16° 3	21°45	25°R 3	25°10	8°35	15°30	S 17
S 18	15 43 41	27°19'54	1♐ 0	18° 7	12°43	5°36	9°10	6°23	3°48	16° 4	21°46	25° 3	25° 7	8°41	15°34	S 18
M19	15 47 38	28°17'42	12°57	18°43	13°40	6° 9	9°12	6°30	3°49	16° 5	21°47	25° 3	25° 3	8°48	15°39	M19
T 20	15 51 34	29°15'28	25° 1	19°14	14°37	6°42	9°15	6°37	3°50	16° 6	21°48	25° 3	25° 0	8°55	15°44	T 20
W21	15 55 31	0♊13'14	7♑14	19°40	15°33	7°14	9°18	6°45	3°51	16° 6	21°50	25° 2	24°57	9° 1	15°49	W21
T 22	15 59 27	1°10'58	19°39	20° 1	16°28	7°47	9°20	6°52	3°52	16° 7	21°51	25° 1	24°54	9° 8	15°54	T 22
F 23	16 3 24	2° 8'40	2♒18	20°17	17°23	8°20	9°24	6°59	3°53	16° 8	21°52	25° 1	24°51	9°15	15°58	F 23
S 24	16 7 20	3° 6'22	15°14	20°29	18°18	8°53	9°27	7° 6	3°54	16° 9	21°53	25° 0	24°48	9°21	16° 3	S 24
S 25	16 11 17	4° 4'03	28°29	20°36	19°12	9°26	9°30	7°13	3°54	16°10	21°54	25°D 0	24°44	9°28	16° 8	S 25
M26	16 15 13	5° 1'42	12♓ 4	20°R38	20° 5	9°59	9°34	7°20	3°55	16°11	21°55	25° 0	24°41	9°34	16°13	M26
T 27	16 19 10	5°59'21	26° 1	20°35	20°58	10°32	9°38	7°28	3°56	16°12	21°56	25° 0	24°38	9°41	16°18	T 27
W28	16 23 7	6°56'59	10♈19	20°28	21°50	11° 6	9°41	7°35	3°56	16°13	21°57	25° 1	24°35	9°48	16°23	W28
T 29	16 27 3	7°54'35	24°57	20°17	22°41	11°39	9°45	7°42	3°57	16°14	21°58	25° 2	24°32	9°54	16°28	T 29
F 30	16 31 0	8°52'11	9♉49	20° 1	23°32	12°12	9°50	7°49	3°57	16°15	21°59	25° 3	24°28	10° 1	16°33	F 30
S 31	16 34 56	9♊49'46	24♉49	19♊42	24♋22	12♌46	9♍54	7♉55	3♓57	16♌16	22♈ 0	25°R 3	24♏25	10♏ 8	16♊38	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	15n 5	9n24	3n19	21n15	1n51	26n16	2n55	22n40	1n53	9n27	1n20	10n51	2s13	10s56	0s44	16n12	0n 9	7s16	16s48	19s 1	19s15	15s23	17n49	4s43
F 2	15 23	13 54	2 8	21 47	1 59	26 20	2 57	22 33	1 52	9 27	1 20	10 53	2 13	10 56	0 44	16 12	0 9	7 15	16 49	19 1	19 14	15 24	17 49	4 43
S 3	15 41	17 30	0 47	22 16	2 6	26 23	2 58	22 26	1 51	9 27	1 19	10 56	2 13	10 55	0 44	16 12	0 9	7 15	16 49	19 1	19 13	15 26	17 50	4 43
S 4	15 58	19 52	0s36	22 43	2 12	26 25	3 0	22 19	1 51	9 27	1 19	10 58	2 13	10 55	0 44	16 12	0 9	7 15	16 49	19 1	19 13	15 27	17 51	4 43
M 5	16 16	20 49	1 56	23 7	2 17	26 27	3 1	22 12	1 50	9 27	1 19	11 1	2 13	10 54	0 44	16 12	0 9	7 14	16 49	19 1	19 12	15 28	17 51	4 43
T 6	16 33	20 19	3 7	23 28	2 22	26 28	3 3	22 5	1 49	9 26	1 19	11 3	2 13	10 53	0 44	16 12	0 9	7 14	16 49	19 1	19 11	15 30	17 52	4 43
W 7	16 49	18 32	4 4	23 48	2 25	26 29	3 4	21 57	1 48	9 26	1 19	11 6	2 13	10 53	0 45	16 12	0 9	7 14	16 49	19 1	19 10	15 31	17 52	4 43
T 8	17 6	15 44	4 45	24 4	2 28	26 29	3 5	21 50	1 47	9 26	1 19	11 8	2 13	10 52	0 45	16 11	0 9	7 13	16 49	19 1	19 10	15 33	17 53	4 42
F 9	17 22	12 12	5 10	24 19	2 30	26 28	3 6	21 42	1 46	9 25	1 18	11 11	2 13	10 52	0 45	16 11	0 9	7 13	16 49	19 1	19 9	15 34	17 53	4 42
S 10	17 38	8 12	5 18	24 31	2 31	26 27	3 7	21 34	1 46	9 25	1 18	11 13	2 13	10 51	0 45	16 11	0 9	7 13	16 50	19 1	19 8	15 35	17 54	4 42
S 11	17 53	3 57	5 10	24 41	2 31	26 25	3 7	21 27	1 45	9 24	1 18	11 16	2 13	10 51	0 45	16 11	0 9	7 12	16 50	19 1	19 7	15 37	17 55	4 42
M12	18 8	0s22	4 49	24 49	2 30	26 23	3 8	21 18	1 44	9 24	1 18	11 18	2 13	10 51	0 45	16 11	0 9	7 12	16 50	19 1	19 7	15 38	17 55	4 42
T 13	18 23	4 36	4 15	24 55	2 28	26 20	3 8	21 10	1 43	9 23	1 18	11 20	2 13	10 50	0 45	16 11	0 10	7 12	16 50	19 1	19 6	15 39	17 56	4 42
W14	18 38	8 38	3 30	24 59	2 26	26 16	3 9	21 2	1 43	9 22	1 17	11 23	2 13	10 50	0 45	16 11	0 10	7 11	16 50	19 1	19 5	15 41	17 56	4 42
T 15	18 52	12 18	2 37	25 2	2 22	26 12	3 9	20 54	1 42	9 22	1 17	11 25	2 13	10 49	0 45	16 10	0 10	7 11	16 50	19 1	19 4	15 42	17 57	4 42
F 16	19 6	15 29	1 37	25 2	2 17	26 7	3 9	20 45	1 41	9 21	1 17	11 28	2 13	10 49	0 45	16 10	0 10	7 11	16 51	19 1	19 3	15 44	17 57	4 42
S 17	19 20	18 2	0 33	25 1	2 11	26 2	3 9	20 37	1 40	9 20	1 17	11 30	2 13	10 49	0 45	16 10	0 10	7 11	16 51	19 1	19 3	15 45	17 58	4 42
S 18	19 33	19 49	0n33	24 57	2 4	25 56	3 8	20 28	1 39	9 19	1 17	11 32	2 13	10 48	0 45	16 10	0 10	7 10	16 51	19 1	19 2	15 46	17 58	4 42
M19	19 46	20 43	1 38	24 53	1 56	25 50	3 8	20 19	1 39	9 18	1 16	11 35	2 13	10 48	0 45	16 10	0 10	7 10	16 51	19 1	19 1	15 48	17 59	4 42
T 20	19 59	20 41	2 39	24 46	1 47	25 44	3 7	20 10	1 38	9 17	1 16	11 37	2 14	10 48	0 45	16 9	0 10	7 10	16 51	19 1	19 0	15 49	17 59	4 42
W21	20 11	19 40	3 34	24 39	1 37	25 36	3 6	20 1	1 37	9 15	1 16	11 39	2 14	10 47	0 45	16 9	0 10	7 10	16 52	19 1	19 0	15 50	18 0	4 42
T 22	20 23	17 43	4 19	24 29	1 27	25 29	3 5	19 52	1 36	9 14	1 16	11 42	2 14	10 47	0 45	16 9	0 10	7 10	16 52	19 1	18 59	15 52	18 0	4 42
F 23	20 35	14 53	4 53	24 19	1 15	25 20	3 4	19 43	1 36	9 13	1 16	11 44	2 14	10 47	0 45	16 9	0 10	7 9	16 52	19 1	18 58	15 53	18 1	4 42
S 24	20 46	11 16	5 13	24 7	1 2	25 12	3 3	19 33	1 35	9 11	1 16	11 46	2 14	10 47	0 45	16 8	0 10	7 9	16 52	19 0	18 57	15 54	18 1	4 42
S 25	20 57	7 2	5 17	23 54	0 49	25 3	3 1	19 24	1 34	9 10	1 15	11 48	2 14	10 46	0 45	16 8	0 10	7 9	16 53	19 0	18 57	15 56	18 2	4 42
M26	21 8	2 21	5 3	23 40	0 34	24 53	3 0	19 14	1 33	9 8	1 15	11 51	2 14	10 46	0 45	16 8	0 10	7 9	16 53	19 0	18 56	15 57	18 2	4 42
T 27	21 18	2n35	4 32	23 24	0 19	24 43	2 58	19 4	1 33	9 7	1 15	11 53	2 14	10 46	0 45	16 8	0 10	7 9	16 53	19 0	18 55	15 58	18 3	4 42
W28	21 28	7 31	3 43	23 8	0 3	24 33	2 56	18 54	1 32	9 5	1 15	11 55	2 14	10 46	0 45	16 7	0 10	7 8	16 53	19 1	18 54	15 59	18 3	4 42
T 29	21 37	12 7	2 39	22 51	0s13	24 22	2 54	18 45	1 31	9 3	1 15	11 57	2 14	10 46	0 45	16 7	0 10	7 8	16 53	19 1	18 53	16 1	18 4	4 42
F 30	21 46	16 4	1 23	22 33	0 30	24 11	2 51	18 34	1 30	9 2	1 14	11 59	2 14	10 46	0 45	16 7	0 10	7 8	16 54	19 1	18 53	16 2	18 4	4 42
S 31	21n55	18n59	0n 1	22n14	0s47	24n 0	2n48	18n24	1n30	9n 0	1n14	12n 1	2s14	10s45	0s45	16n 6	0n10	7s 8	16s54	19s 1	18s52	16s 3	18n 5	4s42

Julian Day Number = 2483441.5, Delta T = 87.64 sec
Ecliptic obliquity = 23°25'36, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°57'37, Lahiri = 25°04'38

ASTRODIENST EPHEMERIS for the year 2087
geocentric

JUNE 2087 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	16 38 53	10♊47'20	9♊49	19°R19	25♋11	13♌20	9♍59	8♉ 2	3♓58	16♌17	22♈ 1	25°R 3	24♏22	10♏14	16♊43	S 1
M 2	16 42 49	11°44'53	24°41	18♊54	26° 0	13°53	10° 3	8° 9	3°58	16°18	22° 2	25♏ 1	24°19	10°21	16°48	M 2
T 3	16 46 46	12°42'25	9♋17	18°25	26°48	14°27	10° 8	8°16	3°58	16°19	22° 3	25° 0	24°16	10°28	16°53	T 3
W 4	16 50 42	13°39'56	23°30	17°55	27°34	15° 1	10°13	8°23	3°59	16°20	22° 4	24°57	24°13	10°34	16°58	W 4
T 5	16 54 39	14°37'25	7♌19	17°23	28°21	15°35	10°18	8°29	3°59	16°22	22° 5	24°55	24° 9	10°41	17° 3	T 5
F 6	16 58 36	15°34'53	20°40	16°50	29° 6	16° 9	10°24	8°36	3°59	16°23	22° 6	24°52	24° 6	10°48	17° 8	F 6
S 7	17 2 32	16°32'20	3♍37	16°16	29°50	16°43	10°29	8°43	3°59	16°24	22° 7	24°51	24° 3	10°54	17°13	S 7
S 8	17 6 29	17°29'46	16°10	15°43	0♌34	17°17	10°35	8°49	3°R59	16°26	22° 8	24°D50	24° 0	11° 1	17°18	S 8
M 9	17 10 25	18°27'11	28°26	15°10	1°16	17°51	10°41	8°56	3°59	16°27	22° 9	24°51	23°57	11° 8	17°23	M 9
T 10	17 14 22	19°24'34	10♎28	14°39	1°57	18°25	10°47	9° 2	3°59	16°28	22°10	24°52	23°54	11°14	17°28	T 10
W11	17 18 18	20°21'56	22°20	14° 9	2°38	19° 0	10°53	9° 9	3°59	16°30	22°11	24°54	23°50	11°21	17°33	W11
T 12	17 22 15	21°19'18	4♏ 8	13°41	3°17	19°34	10°59	9°15	3°59	16°31	22°12	24°55	23°47	11°28	17°38	T 12
F 13	17 26 11	22°16'38	15°56	13°17	3°55	20° 8	11° 5	9°21	3°58	16°32	22°12	24°56	23°44	11°34	17°43	F 13
S 14	17 30 8	23°13'58	27°47	12°55	4°32	20°43	11°12	9°28	3°58	16°34	22°13	24°R57	23°41	11°41	17°48	S 14
S 15	17 34 5	24°11'17	9♐45	12°37	5° 7	21°17	11°18	9°34	3°58	16°35	22°14	24°56	23°38	11°47	17°52	S 15
M16	17 38 1	25° 8'35	21°52	12°23	5°42	21°52	11°25	9°40	3°57	16°37	22°15	24°53	23°34	11°54	17°57	M16
T 17	17 41 58	26° 5'52	4♑ 9	12°12	6°15	22°27	11°32	9°46	3°57	16°38	22°15	24°50	23°31	12° 1	18° 2	T 17
W18	17 45 54	27° 3'09	16°38	12° 6	6°46	23° 1	11°39	9°52	3°56	16°40	22°16	24°45	23°28	12° 7	18° 7	W18
T 19	17 49 51	28° 0'25	29°20	12°D 5	7°17	23°36	11°46	9°58	3°56	16°42	22°17	24°39	23°25	12°14	18°12	T 19
F 20	17 53 47	28°57'41	12♒15	12° 8	7°45	24°11	11°53	10° 4	3°55	16°43	22°18	24°34	23°22	12°21	18°17	F 20
S 21	17 57 44	29°54'57	25°23	12°15	8°12	24°46	12° 1	10°10	3°55	16°45	22°18	24°29	23°19	12°27	18°22	S 21
S 22	18 1 41	0♋52'12	8♓46	12°27	8°38	25°21	12° 8	10°16	3°54	16°46	22°19	24°26	23°15	12°34	18°27	S 22
M23	18 5 37	1°49'27	22°24	12°44	9° 2	25°56	12°16	10°22	3°53	16°48	22°19	24°24	23°12	12°41	18°32	M23
T 24	18 9 34	2°46'42	6♈16	13° 6	9°24	26°31	12°23	10°27	3°53	16°50	22°20	24°D24	23° 9	12°47	18°37	T 24
W25	18 13 30	3°43'57	20°22	13°32	9°44	27° 6	12°31	10°33	3°52	16°52	22°21	24°24	23° 6	12°54	18°42	W25
T 26	18 17 27	4°41'11	4♉42	14° 3	10° 3	27°41	12°39	10°38	3°51	16°53	22°21	24°26	23° 3	13° 1	18°47	T 26
F 27	18 21 23	5°38'26	19°13	14°38	10°20	28°16	12°47	10°44	3°50	16°55	22°22	24°R27	23° 0	13° 7	18°52	F 27
S 28	18 25 20	6°35'41	3♊51	15°18	10°35	28°52	12°56	10°49	3°49	16°57	22°22	24°26	22°56	13°14	18°56	S 28
S 29	18 29 16	7°32'56	18°31	16° 2	10°47	29°27	13° 4	10°55	3°48	16°59	22°23	24°24	22°53	13°21	19° 1	S 29
M30	18 33 13	8♋30'11	3♋ 8	16♊51	10♌58	0♍ 3	13♍12	11♉ 0	3♓47	17♌ 0	22♈23	24♏20	22♏50	13♏27	19♊ 6	M30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	22n 3	20n35	1s21	21n55	1s 5	23n48	2n46	18n14	1n29	8n58	1n14	12n 3	2s15	10s45	0s45	16n 6	0n10	7s 8	16s54	19s 1	18s51	16s 5	18n 5	4s42
M 2	22 11	20 42	2 37	21 36	1 22	23 36	2 42	18 4	1 28	8 56	1 14	12 6	2 15	10 45	0 46	16 6	0 10	7 8	16 55	19 1	18 50	16 6	18 5	4 42
T 3	22 19	19 26	3 41	21 16	1 40	23 23	2 39	17 53	1 28	8 54	1 14	12 8	2 15	10 45	0 46	16 5	0 10	7 8	16 55	19 0	18 50	16 7	18 6	4 42
W 4	22 26	16 57	4 30	20 56	1 57	23 11	2 36	17 42	1 27	8 52	1 14	12 10	2 15	10 45	0 46	16 5	0 10	7 8	16 55	19 0	18 49	16 8	18 6	4 42
T 5	22 32	13 35	5 1	20 37	2 14	22 58	2 32	17 32	1 26	8 50	1 13	12 12	2 15	10 45	0 46	16 5	0 10	7 8	16 55	18 59	18 48	16 10	18 7	4 42
F 6	22 39	9 37	5 15	20 17	2 30	22 44	2 28	17 21	1 25	8 48	1 13	12 14	2 15	10 45	0 46	16 4	0 10	7 7	16 56	18 59	18 47	16 11	18 7	4 42
S 7	22 45	5 20	5 12	19 59	2 45	22 31	2 24	17 10	1 25	8 45	1 13	12 16	2 15	10 45	0 46	16 4	0 10	7 7	16 56	18 58	18 46	16 12	18 7	4 43
S 8	22 50	0 56	4 54	19 41	3 0	22 17	2 19	16 59	1 24	8 43	1 13	12 18	2 15	10 45	0 46	16 4	0 10	7 7	16 56	18 58	18 46	16 14	18 8	4 43
M 9	22 55	3s24	4 23	19 23	3 14	22 3	2 14	16 48	1 23	8 41	1 13	12 20	2 15	10 45	0 46	16 3	0 10	7 7	16 56	18 58	18 45	16 15	18 8	4 43
T 10	23 0	7 32	3 41	19 7	3 27	21 49	2 9	16 36	1 23	8 38	1 12	12 22	2 16	10 45	0 46	16 3	0 10	7 7	16 57	18 58	18 44	16 16	18 9	4 43
W11	23 5	11 19	2 50	18 53	3 38	21 35	2 4	16 25	1 22	8 36	1 12	12 23	2 16	10 45	0 46	16 2	0 10	7 7	16 57	18 59	18 43	16 17	18 9	4 43
T 12	23 9	14 39	1 52	18 39	3 48	21 20	1 59	16 14	1 21	8 33	1 12	12 25	2 16	10 46	0 46	16 2	0 10	7 7	16 57	18 59	18 43	16 19	18 9	4 43
F 13	23 12	17 23	0 49	18 27	3 57	21 5	1 53	16 2	1 20	8 31	1 12	12 27	2 16	10 46	0 46	16 1	0 10	7 7	16 58	18 59	18 42	16 20	18 10	4 43
S 14	23 15	19 24	0n16	18 17	4 5	20 51	1 47	15 50	1 20	8 28	1 12	12 29	2 16	10 46	0 46	16 1	0 10	7 7	16 58	19 0	18 41	16 21	18 10	4 43
S 15	23 18	20 34	1 20	18 9	4 11	20 36	1 40	15 39	1 19	8 26	1 12	12 31	2 16	10 46	0 46	16 1	0 10	7 7	16 58	18 59	18 40	16 22	18 10	4 43
M16	23 20	20 49	2 22	18 2	4 16	20 21	1 34	15 27	1 18	8 23	1 12	12 33	2 16	10 46	0 46	16 0	0 10	7 7	16 59	18 59	18 39	16 23	18 11	4 43
T 17	23 22	20 3	3 18	17 57	4 20	20 6	1 27	15 15	1 18	8 20	1 11	12 34	2 16	10 46	0 46	16 0	0 10	7 7	16 59	18 58	18 39	16 25	18 11	4 43
W18	23 24	18 20	4 6	17 54	4 22	19 51	1 19	15 3	1 17	8 17	1 11	12 36	2 17	10 46	0 46	15 59	0 10	7 7	16 59	18 57	18 38	16 26	18 11	4 44
T 19	23 25	15 41	4 42	17 53	4 23	19 36	1 12	14 51	1 16	8 14	1 11	12 38	2 17	10 47	0 46	15 59	0 10	7 7	16 59	18 55	18 37	16 27	18 12	4 44
F 20	23 25	12 14	5 5	17 54	4 23	19 21	1 4	14 39	1 16	8 12	1 11	12 40	2 17	10 47	0 46	15 58	0 10	7 7	17 0	18 54	18 36	16 28	18 12	4 44
S 21	23 26	8 9	5 12	17 56	4 21	19 6	0 56	14 26	1 15	8 9	1 11	12 41	2 17	10 47	0 46	15 58	0 10	7 7	17 0	18 53	18 35	16 30	18 12	4 44
S 22	23 25	3 36	5 2	18 0	4 19	18 51	0 47	14 14	1 14	8 6	1 11	12 43	2 17	10 47	0 46	15 57	0 10	7 8	17 0	18 52	18 35	16 31	18 12	4 44
M23	23 25	1n12	4 35	18 6	4 15	18 36	0 38	14 1	1 14	8 3	1 10	12 45	2 17	10 48	0 46	15 57	0 10	7 8	17 1	18 52	18 34	16 32	18 13	4 44
T 24	23 24	6 3	3 52	18 13	4 10	18 22	0 29	13 49	1 13	7 59	1 10	12 46	2 18	10 48	0 46	15 56	0 10	7 8	17 1	18 52	18 33	16 33	18 13	4 44
W25	23 22	10 39	2 55	18 22	4 5	18 7	0 20	13 36	1 12	7 56	1 10	12 48	2 18	10 48	0 46	15 56	0 10	7 8	17 1	18 52	18 32	16 34	18 13	4 45
T 26	23 21	14 44	1 45	18 32	3 58	17 53	0 10	13 23	1 12	7 53	1 10	12 49	2 18	10 49	0 46	15 55	0 10	7 8	17 2	18 52	18 31	16 36	18 13	4 45
F 27	23 18	17 58	0 28	18 43	3 51	17 38	0s 0	13 11	1 11	7 50	1 10	12 51	2 18	10 49	0 46	15 55	0 10	7 8	17 2	18 52	18 31	16 37	18 14	4 45
S 28	23 16	20 5	0s51	18 55	3 43	17 24	0 11	12 58	1 10	7 47	1 10	12 52	2 18	10 49	0 47	15 54	0 10	7 8	17 2	18 52	18 30	16 38	18 14	4 45
S 29	23 13	20 49	2 7	19 8	3 34	17 10	0 22	12 45	1 10	7 43	1 10	12 54	2 18	10 50	0 47	15 54	0 10	7 8	17 3	18 52	18 29	16 39	18 14	4 45
M30	23n 9	20n 9	3s14	19n22	3s25	16n57	0s33	12n32	1n 9	7n40	1n 9	12n55	2s19	10s50	0s47	15n53	0n10	7s 8	17s 3	18s51	18s28	16s40	18n14	4s46

Julian Day Number = 2483472.5, Delta T = 87.67 sec
Ecliptic obliquity = 23°25'35, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°57'42, Lahiri = 25°04'42

ASTRODIENST EPHEMERIS for the year 2087
geocentric

JULY 2087 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 37 10	9♋27'25	17♋33	17♊44	11♌ 7	0♍38	13♍21	11♉ 5	3°R46	17♌ 2	22♈24	24°R15	22♏47	13♏34	19♊11	T 1
W 2	18 41 6	10°24'39	1♌41	18°41	11°13	1°14	13°30	11°10	3♓45	17° 4	22°24	24♏ 8	22°44	13°40	19°16	W 2
T 3	18 45 3	11°21'53	15°27	19°43	11°18	1°49	13°39	11°15	3°44	17° 6	22°25	24° 0	22°40	13°47	19°20	T 3
F 4	18 48 59	12°19'07	28°49	20°48	11°R20	2°25	13°47	11°20	3°43	17° 8	22°25	23°53	22°37	13°54	19°25	F 4
S 5	18 52 56	13°16'20	11♍47	21°58	11°19	3° 1	13°56	11°25	3°42	17°10	22°25	23°47	22°34	14° 0	19°30	S 5
S 6	18 56 52	14°13'33	24°23	23°11	11°17	3°36	14° 6	11°30	3°40	17°12	22°26	23°43	22°31	14° 7	19°35	S 6
M 7	19 0 49	15°10'46	6♎40	24°29	11°12	4°12	14°15	11°35	3°39	17°14	22°26	23°41	22°28	14°14	19°39	M 7
T 8	19 4 45	16° 7'58	18°42	25°51	11° 4	4°48	14°24	11°40	3°38	17°16	22°26	23°D41	22°25	14°20	19°44	T 8
W 9	19 8 42	17° 5'10	0♏34	27°16	10°54	5°24	14°33	11°44	3°36	17°18	22°27	23°42	22°21	14°27	19°49	W 9
T 10	19 12 39	18° 2'23	12°23	28°45	10°42	6° 0	14°43	11°49	3°35	17°19	22°27	23°43	22°18	14°34	19°53	T 10
F 11	19 16 35	18°59'35	24°12	0♋18	10°27	6°36	14°53	11°53	3°33	17°21	22°27	23°R43	22°15	14°40	19°58	F 11
S 12	19 20 32	19°56'47	6♐ 7	1°55	10°10	7°12	15° 2	11°58	3°32	17°23	22°28	23°42	22°12	14°47	20° 2	S 12
S 13	19 24 28	20°53'59	18°11	3°35	9°51	7°48	15°12	12° 2	3°30	17°26	22°28	23°39	22° 9	14°54	20° 7	S 13
M14	19 28 25	21°51'11	0♑28	5°19	9°29	8°24	15°22	12° 6	3°29	17°28	22°28	23°34	22° 6	15° 0	20°11	M14
T 15	19 32 21	22°48'23	13° 0	7° 6	9° 6	9° 1	15°32	12°10	3°27	17°30	22°28	23°27	22° 2	15° 7	20°16	T 15
W16	19 36 18	23°45'36	25°47	8°56	8°40	9°37	15°42	12°14	3°26	17°32	22°28	23°18	21°59	15°14	20°20	W16
T 17	19 40 14	24°42'49	8♒50	10°49	8°12	10°13	15°52	12°18	3°24	17°34	22°28	23° 7	21°56	15°20	20°25	T 17
F 18	19 44 11	25°40'02	22° 8	12°44	7°42	10°50	16° 2	12°22	3°22	17°36	22°28	22°57	21°53	15°27	20°29	F 18
S 19	19 48 8	26°37'15	5♓37	14°43	7°11	11°26	16°13	12°26	3°21	17°38	22°29	22°48	21°50	15°33	20°33	S 19
S 20	19 52 4	27°34'30	19°18	16°43	6°38	12° 2	16°23	12°30	3°19	17°40	22°29	22°41	21°46	15°40	20°38	S 20
M21	19 56 1	28°31'44	3♈ 7	18°45	6° 4	12°39	16°33	12°33	3°17	17°42	22°29	22°36	21°43	15°47	20°42	M21
T 22	19 59 57	29°29'00	17° 4	20°49	5°29	13°16	16°44	12°37	3°15	17°44	22°29	22°33	21°40	15°53	20°46	T 22
W23	20 3 54	0♌26'17	1♉ 8	22°55	4°53	13°52	16°55	12°40	3°13	17°46	22°R29	22°D33	21°37	16° 0	20°50	W23
T 24	20 7 50	1°23'34	15°16	25° 1	4°16	14°29	17° 5	12°44	3°11	17°49	22°29	22°R33	21°34	16° 7	20°54	T 24
F 25	20 11 47	2°20'52	29°30	27° 8	3°39	15° 6	17°16	12°47	3° 9	17°51	22°29	22°33	21°31	16°13	20°59	F 25
S 26	20 15 43	3°18'11	13♊46	29°15	3° 2	15°42	17°27	12°50	3° 7	17°53	22°29	22°32	21°27	16°20	21° 3	S 26
S 27	20 19 40	4°15'32	28° 1	1♌23	2°24	16°19	17°38	12°53	3° 5	17°55	22°29	22°28	21°24	16°27	21° 7	S 27
M28	20 23 37	5°12'53	12♋13	3°30	1°47	16°56	17°49	12°56	3° 3	17°57	22°28	22°21	21°21	16°33	21°11	M28
T 29	20 27 33	6°10'14	26°17	5°36	1°11	17°33	18° 0	12°59	3° 1	17°59	22°28	22°12	21°18	16°40	21°15	T 29
W30	20 31 30	7° 7'37	10♌ 8	7°42	0°35	18°10	18°11	13° 2	2°59	18° 2	22°28	22° 1	21°15	16°47	21°19	W30
T 31	20 35 26	8♌ 5'00	23♌42	9♌47	29♋59	18♍47	18♍22	13♉ 4	2♓57	18♌ 4	22♈28	21♏49	21♏12	16♏53	21♊22	T 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	23n 5	18n11	4s 8	19n37	3s15	16n43	0s44	12n18	1n 8	7n36	1n 9	12n57	2s19	10s51	0s47	15n53	0n10	7s 9	17s 3	18s49	18s27	16s41	18n14	4s46
W 2	23 1	15 8	4 45	19 53	3 5	16 30	0 56	12 5	1 8	7 33	1 9	12 58	2 19	10 51	0 47	15 52	0 10	7 9	17 4	18 48	18 27	16 43	18 15	4 46
T 3	22 56	11 20	5 5	20 8	2 54	16 17	1 8	11 52	1 7	7 29	1 9	13 0	2 19	10 52	0 47	15 51	0 10	7 9	17 4	18 46	18 26	16 44	18 15	4 46
F 4	22 51	7 4	5 7	20 25	2 42	16 5	1 21	11 38	1 6	7 26	1 9	13 1	2 19	10 52	0 47	15 51	0 10	7 9	17 5	18 44	18 25	16 45	18 15	4 46
S 5	22 46	2 37	4 53	20 41	2 30	15 53	1 33	11 25	1 6	7 22	1 9	13 2	2 20	10 52	0 47	15 50	0 10	7 9	17 5	18 43	18 24	16 46	18 15	4 47
S 6	22 40	1s50	4 26	20 57	2 18	15 41	1 46	11 11	1 5	7 19	1 9	13 4	2 20	10 53	0 47	15 50	0 10	7 9	17 5	18 42	18 23	16 47	18 15	4 47
M 7	22 34	6 6	3 46	21 13	2 6	15 29	2 0	10 58	1 4	7 15	1 8	13 5	2 20	10 53	0 47	15 49	0 10	7 10	17 6	18 41	18 23	16 48	18 15	4 47
T 8	22 27	10 3	2 57	21 28	1 53	15 19	2 13	10 44	1 4	7 11	1 8	13 6	2 20	10 54	0 47	15 49	0 10	7 10	17 6	18 41	18 22	16 49	18 15	4 47
W 9	22 20	13 34	2 1	21 43	1 40	15 8	2 27	10 30	1 3	7 8	1 8	13 7	2 20	10 54	0 47	15 48	0 10	7 10	17 6	18 41	18 21	16 51	18 16	4 47
T 10	22 13	16 30	1 1	21 58	1 28	14 58	2 41	10 16	1 2	7 4	1 8	13 8	2 20	10 55	0 47	15 47	0 10	7 10	17 7	18 41	18 20	16 52	18 16	4 48
F 11	22 5	18 46	0n 3	22 11	1 15	14 48	2 54	10 2	1 2	7 0	1 8	13 10	2 21	10 56	0 47	15 47	0 10	7 11	17 7	18 42	18 19	16 53	18 16	4 48
S 12	21 57	20 14	1 6	22 23	1 2	14 39	3 9	9 48	1 1	6 56	1 8	13 11	2 21	10 56	0 47	15 46	0 10	7 11	17 7	18 41	18 18	16 54	18 16	4 48
S 13	21 48	20 47	2 7	22 34	0 49	14 31	3 23	9 34	1 0	6 52	1 8	13 12	2 21	10 57	0 47	15 46	0 10	7 11	17 8	18 41	18 18	16 55	18 16	4 48
M14	21 39	20 22	3 4	22 43	0 36	14 23	3 37	9 20	1 0	6 48	1 8	13 13	2 21	10 57	0 47	15 45	0 10	7 11	17 8	18 39	18 17	16 56	18 16	4 49
T 15	21 30	18 56	3 52	22 51	0 23	14 15	3 51	9 6	0 59	6 44	1 8	13 14	2 22	10 58	0 47	15 44	0 10	7 12	17 8	18 37	18 16	16 57	18 16	4 49
W16	21 20	16 33	4 30	22 56	0 11	14 8	4 5	8 52	0 58	6 40	1 7	13 15	2 22	10 59	0 47	15 44	0 10	7 12	17 9	18 35	18 15	16 58	18 16	4 49
T 17	21 10	13 18	4 55	23 0	0n 1	14 2	4 19	8 37	0 58	6 36	1 7	13 16	2 22	10 59	0 47	15 43	0 10	7 12	17 9	18 33	18 14	17 0	18 16	4 49
F 18	21 0	9 20	5 4	23 1	0 12	13 56	4 33	8 23	0 57	6 32	1 7	13 17	2 22	11 0	0 47	15 43	0 10	7 12	17 9	18 30	18 14	17 1	18 16	4 50
S 19	20 49	4 51	4 56	23 0	0 24	13 51	4 46	8 9	0 57	6 28	1 7	13 18	2 22	11 1	0 47	15 42	0 10	7 13	17 10	18 28	18 13	17 2	18 16	4 50
S 20	20 38	0 4	4 32	22 57	0 34	13 46	4 59	7 54	0 56	6 24	1 7	13 19	2 23	11 1	0 47	15 41	0 10	7 13	17 10	18 26	18 12	17 3	18 16	4 50
M21	20 27	4n47	3 52	22 51	0 44	13 42	5 12	7 40	0 55	6 20	1 7	13 20	2 23	11 2	0 47	15 41	0 10	7 13	17 11	18 25	18 11	17 4	18 16	4 51
T 22	20 15	9 26	2 57	22 42	0 53	13 38	5 24	7 25	0 55	6 16	1 7	13 21	2 23	11 3	0 47	15 40	0 10	7 14	17 11	18 24	18 10	17 5	18 16	4 51
W23	20 3	13 36	1 52	22 30	1 2	13 35	5 36	7 10	0 54	6 11	1 7	13 21	2 23	11 3	0 47	15 39	0 10	7 14	17 11	18 24	18 9	17 6	18 16	4 51
T 24	19 50	17 1	0 39	22 16	1 10	13 33	5 48	6 56	0 53	6 7	1 7	13 22	2 23	11 4	0 47	15 39	0 10	7 14	17 12	18 24	18 9	17 7	18 16	4 51
F 25	19 38	19 26	0s37	21 59	1 17	13 31	5 58	6 41	0 53	6 3	1 7	13 23	2 24	11 5	0 47	15 38	0 10	7 15	17 12	18 24	18 8	17 8	18 16	4 52
S 26	19 24	20 37	1 50	21 39	1 24	13 29	6 8	6 26	0 52	5 59	1 6	13 24	2 24	11 5	0 47	15 37	0 10	7 15	17 12	18 24	18 7	17 9	18 16	4 52
S 27	19 11	20 28	2 57	21 17	1 29	13 28	6 18	6 11	0 51	5 54	1 6	13 24	2 24	11 6	0 47	15 37	0 10	7 15	17 13	18 23	18 6	17 10	18 16	4 52
M28	18 57	19 1	3 52	20 53	1 34	13 28	6 27	5 56	0 51	5 50	1 6	13 25	2 24	11 7	0 47	15 36	0 10	7 16	17 13	18 21	18 5	17 11	18 16	4 53
T 29	18 43	16 26	4 32	20 26	1 38	13 28	6 35	5 41	0 50	5 45	1 6	13 26	2 25	11 8	0 47	15 35	0 10	7 16	17 13	18 19	18 5	17 12	18 16	4 53
W30	18 29	12 57	4 55	19 58	1 41	13 28	6 42	5 26	0 49	5 41	1 6	13 26	2 25	11 8	0 47	15 35	0 10	7 17	17 14	18 16	18 4	17 14	18 16	4 53
T 31	18n14	8n52	5s 1	19n27	1n44	13n29	6s48	5n11	0n49	5n37	1n 6	13n27	2s25	11s 9	0s47	15n34	0n10	7s17	17s14	18s13	18s 3	17s15	18n16	4s54

Julian Day Number = 2483502.5, Delta T = 87.71 sec
Ecliptic obliquity = 23°25'34, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°57'46, Lahiri = 25°04'46

ASTRODIENST EPHEMERIS for the year 2087
geocentric

AUGUST 2087 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	20 39 23	9♌ 2'24	6♍56	11♌52	29°R26	19♍24	18♍34	13♉ 7	2°R55	18♌ 6	22°R28	21°R38	21♏ 8	17♏ 0	21♊26	F 1
S 2	20 43 19	9°59'48	19°49	13°55	28♋54	20° 2	18°45	13°10	2♓53	18° 8	22♈28	21♏28	21° 5	17° 7	21°30	S 2
S 3	20 47 16	10°57'13	2♎22	15°56	28°23	20°39	18°56	13°12	2°51	18°10	22°27	21°21	21° 2	17°13	21°34	S 3
M 4	20 51 12	11°54'39	14°37	17°57	27°54	21°16	19° 8	13°14	2°49	18°13	22°27	21°16	20°59	17°20	21°38	M 4
T 5	20 55 9	12°52'05	26°39	19°56	27°26	21°53	19°19	13°16	2°47	18°15	22°27	21°13	20°56	17°26	21°41	T 5
W 6	20 59 6	13°49'33	8♏31	21°53	27° 1	22°31	19°31	13°19	2°44	18°17	22°26	21°12	20°52	17°33	21°45	W 6
T 7	21 3 2	14°47'01	20°20	23°49	26°37	23° 8	19°42	13°21	2°42	18°19	22°26	21°12	20°49	17°40	21°48	T 7
F 8	21 6 59	15°44'29	2♐10	25°44	26°16	23°46	19°54	13°22	2°40	18°21	22°26	21°12	20°46	17°46	21°52	F 8
S 9	21 10 55	16°41'59	14° 7	27°37	25°57	24°23	20° 6	13°24	2°38	18°24	22°25	21°10	20°43	17°53	21°55	S 9
S 10	21 14 52	17°39'29	26°16	29°28	25°41	25° 1	20°18	13°26	2°35	18°26	22°25	21° 7	20°40	18° 0	21°59	S 10
M11	21 18 48	18°37'00	8♑41	1♍18	25°26	25°38	20°30	13°28	2°33	18°28	22°25	21° 0	20°37	18° 6	22° 2	M11
T 12	21 22 45	19°34'32	21°24	3° 6	25°15	26°16	20°41	13°29	2°31	18°30	22°24	20°52	20°33	18°13	22° 6	T 12
W13	21 26 41	20°32'05	4♒28	4°53	25° 5	26°54	20°53	13°30	2°28	18°33	22°24	20°41	20°30	18°20	22° 9	W13
T 14	21 30 38	21°29'39	17°51	6°38	24°58	27°31	21° 5	13°32	2°26	18°35	22°23	20°29	20°27	18°26	22°12	T 14
F 15	21 34 35	22°27'14	1♓32	8°22	24°53	28° 9	21°18	13°33	2°24	18°37	22°23	20°17	20°24	18°33	22°15	F 15
S 16	21 38 31	23°24'51	15°27	10° 4	24°D51	28°47	21°30	13°34	2°21	18°39	22°22	20° 6	20°21	18°40	22°18	S 16
S 17	21 42 28	24°22'28	29°32	11°45	24°51	29°25	21°42	13°35	2°19	18°41	22°22	19°57	20°17	18°46	22°21	S 17
M18	21 46 24	25°20'08	13♈43	13°24	24°53	0♎ 3	21°54	13°36	2°17	18°44	22°21	19°51	20°14	18°53	22°24	M18
T 19	21 50 21	26°17'48	27°55	15° 2	24°58	0°41	22° 6	13°37	2°14	18°46	22°21	19°48	20°11	18°59	22°27	T 19
W20	21 54 17	27°15'31	12♉ 7	16°39	25° 5	1°19	22°18	13°37	2°12	18°48	22°20	19°46	20° 8	19° 6	22°30	W20
T 21	21 58 14	28°13'15	26°15	18°14	25°14	1°57	22°31	13°38	2°10	18°50	22°20	19°46	20° 5	19°13	22°33	T 21
F 22	22 2 10	29°11'00	10♊20	19°47	25°25	2°35	22°43	13°38	2° 7	18°52	22°19	19°46	20° 2	19°19	22°36	F 22
S 23	22 6 7	0♍ 8'48	24°21	21°19	25°38	3°14	22°56	13°39	2° 5	18°55	22°18	19°44	19°58	19°26	22°38	S 23
S 24	22 10 4	1° 6'37	8♋15	22°50	25°54	3°52	23° 8	13°39	2° 2	18°57	22°18	19°40	19°55	19°33	22°41	S 24
M25	22 14 0	2° 4'28	22° 3	24°19	26°11	4°30	23°20	13°39	2° 0	18°59	22°17	19°33	19°52	19°39	22°44	M25
T 26	22 17 57	3° 2'20	5♌42	25°47	26°30	5° 9	23°33	13°R39	1°58	19° 1	22°16	19°24	19°49	19°46	22°46	T 26
W27	22 21 53	4° 0'14	19° 9	27°13	26°51	5°47	23°45	13°39	1°55	19° 3	22°16	19°13	19°46	19°53	22°49	W27
T 28	22 25 50	4°58'10	2♍22	28°38	27°14	6°25	23°58	13°39	1°53	19° 6	22°15	19° 1	19°43	19°59	22°51	T 28
F 29	22 29 46	5°56'07	15°20	0♎ 1	27°38	7° 4	24°11	13°38	1°50	19° 8	22°14	18°49	19°39	20° 6	22°53	F 29
S 30	22 33 43	6°54'05	28° 1	1°23	28° 4	7°43	24°23	13°38	1°48	19°10	22°14	18°39	19°36	20°13	22°56	S 30
S 31	22 37 39	7♍52'05	10♎26	2♎43	28♋32	8♎21	24♍36	13♉37	1♓46	19♌12	22♈13	18♏30	19♏33	20♏19	22♊58	S 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	17n59	4n27	4s51	18n54	1n45	13n30	6s54	4n56	0n48	5n32	1n 6	13n27	2s25	11s10	0s47	15n33	0n10	7s17	17s14	18s10	18s 2	17s16	18n16	4s54
S 2	17 44	0s 3	4 26	18 20	1 46	13 32	6 59	4 41	0 48	5 28	1 6	13 28	2 26	11 11	0 48	15 33	0 10	7 18	17 15	18 7	18 1	17 17	18 16	4 54
S 3	17 28	4 26	3 48	17 45	1 46	13 34	7 3	4 25	0 47	5 23	1 6	13 28	2 26	11 12	0 48	15 32	0 10	7 18	17 15	18 5	18 0	17 18	18 15	4 55
M 4	17 13	8 32	3 1	17 8	1 46	13 36	7 7	4 10	0 46	5 18	1 6	13 29	2 26	11 12	0 48	15 31	0 10	7 19	17 15	18 4	18 0	17 19	18 15	4 55
T 5	16 56	12 14	2 6	16 29	1 45	13 38	7 9	3 55	0 46	5 14	1 6	13 29	2 26	11 13	0 48	15 31	0 10	7 19	17 16	18 3	17 59	17 20	18 15	4 55
W 6	16 40	15 23	1 7	15 50	1 43	13 41	7 11	3 40	0 45	5 9	1 6	13 30	2 27	11 14	0 48	15 30	0 10	7 19	17 16	18 3	17 58	17 21	18 15	4 56
T 7	16 23	17 54	0 5	15 10	1 41	13 44	7 12	3 24	0 44	5 5	1 5	13 30	2 27	11 15	0 48	15 29	0 10	7 20	17 16	18 3	17 57	17 22	18 15	4 56
F 8	16 7	19 38	0n58	14 29	1 38	13 48	7 13	3 9	0 44	5 0	1 5	13 30	2 27	11 16	0 48	15 29	0 10	7 20	17 17	18 3	17 56	17 23	18 15	4 56
S 9	15 49	20 31	1 58	13 47	1 35	13 51	7 13	2 53	0 43	4 55	1 5	13 31	2 27	11 16	0 48	15 28	0 10	7 21	17 17	18 3	17 55	17 24	18 15	4 57
S 10	15 32	20 28	2 54	13 5	1 31	13 55	7 12	2 38	0 43	4 51	1 5	13 31	2 27	11 17	0 48	15 27	0 10	7 21	17 17	18 2	17 54	17 25	18 14	4 57
M11	15 14	19 26	3 43	12 22	1 27	13 59	7 11	2 22	0 42	4 46	1 5	13 31	2 28	11 18	0 48	15 27	0 10	7 22	17 18	18 0	17 54	17 26	18 14	4 58
T 12	14 56	17 24	4 22	11 39	1 22	14 3	7 9	2 7	0 41	4 41	1 5	13 31	2 28	11 19	0 48	15 26	0 10	7 22	17 18	17 58	17 53	17 27	18 14	4 58
W13	14 38	14 27	4 49	10 55	1 17	14 7	7 6	1 51	0 41	4 36	1 5	13 32	2 28	11 20	0 48	15 25	0 10	7 22	17 18	17 55	17 52	17 28	18 14	4 58
T 14	14 20	10 42	5 0	10 11	1 12	14 11	7 3	1 36	0 40	4 32	1 5	13 32	2 28	11 21	0 48	15 25	0 10	7 23	17 19	17 52	17 51	17 29	18 14	4 59
F 15	14 1	6 19	4 55	9 27	1 6	14 15	7 0	1 20	0 39	4 27	1 5	13 32	2 29	11 21	0 48	15 24	0 10	7 23	17 19	17 48	17 50	17 30	18 13	4 59
S 16	13 42	1 33	4 32	8 43	1 0	14 19	6 56	1 5	0 39	4 22	1 5	13 32	2 29	11 22	0 48	15 23	0 10	7 24	17 19	17 45	17 49	17 31	18 13	4 59
S 17	13 23	3n22	3 53	7 59	0 54	14 23	6 52	0 49	0 38	4 17	1 5	13 32	2 29	11 23	0 48	15 23	0 10	7 24	17 20	17 43	17 49	17 32	18 13	5 0
M18	13 4	8 9	2 58	7 14	0 47	14 27	6 48	0 33	0 38	4 12	1 5	13 32	2 29	11 24	0 48	15 22	0 10	7 25	17 20	17 41	17 48	17 33	18 13	5 0
T 19	12 45	12 29	1 53	6 30	0 40	14 31	6 43	0 18	0 37	4 7	1 5	13 32	2 30	11 25	0 48	15 21	0 10	7 25	17 20	17 41	17 47	17 34	18 12	5 1
W20	12 25	16 6	0 40	5 46	0 33	14 35	6 37	0 2	0 36	4 3	1 5	13 32	2 30	11 26	0 48	15 21	0 10	7 26	17 21	17 40	17 46	17 35	18 12	5 1
T 21	12 5	18 45	0s34	5 2	0 25	14 39	6 32	0s14	0 36	3 58	1 5	13 32	2 30	11 27	0 48	15 20	0 10	7 26	17 21	17 40	17 45	17 36	18 12	5 2
F 22	11 45	20 14	1 47	4 19	0 17	14 43	6 26	0 30	0 35	3 53	1 5	13 32	2 30	11 27	0 48	15 19	0 10	7 27	17 21	17 40	17 44	17 37	18 12	5 2
S 23	11 25	20 26	2 52	3 35	0 9	14 46	6 20	0 45	0 34	3 48	1 5	13 32	2 31	11 28	0 48	15 19	0 10	7 27	17 22	17 40	17 43	17 38	18 11	5 2
S 24	11 4	19 24	3 47	2 52	0 1	14 49	6 14	1 1	0 34	3 43	1 5	13 32	2 31	11 29	0 48	15 18	0 10	7 28	17 22	17 39	17 43	17 38	18 11	5 3
M25	10 44	17 13	4 28	2 9	0s 7	14 53	6 8	1 17	0 33	3 38	1 5	13 31	2 31	11 30	0 48	15 17	0 10	7 28	17 22	17 37	17 42	17 39	18 11	5 3
T 26	10 23	14 6	4 53	1 27	0 15	14 55	6 1	1 33	0 33	3 33	1 5	13 31	2 31	11 31	0 48	15 17	0 10	7 29	17 22	17 34	17 41	17 40	18 11	5 4
W27	10 2	10 18	5 1	0 45	0 24	14 58	5 55	1 48	0 32	3 28	1 4	13 31	2 32	11 32	0 48	15 16	0 10	7 29	17 23	17 31	17 40	17 41	18 10	5 4
T 28	9 41	6 3	4 53	0 3	0 32	15 1	5 48	2 4	0 31	3 23	1 4	13 31	2 32	11 33	0 48	15 15	0 10	7 30	17 23	17 28	17 39	17 42	18 10	5 4
F 29	9 20	1 37	4 30	0s38	0 41	15 3	5 41	2 20	0 31	3 18	1 4	13 30	2 32	11 33	0 48	15 15	0 10	7 30	17 23	17 25	17 38	17 43	18 10	5 5
S 30	8 58	2s48	3 54	1 19	0 50	15 5	5 34	2 36	0 30	3 13	1 4	13 30	2 32	11 34	0 48	15 14	0 10	7 31	17 23	17 22	17 37	17 44	18 9	5 5
S 31	8n37	7s 0	3s 7	1s59	0s59	15n 6	5s27	2s52	0n29	3n 8	1n 4	13n30	2s33	11s35	0s48	15n13	0n10	7s31	17s24	17s20	17s37	17s45	18n 9	5s 6

Julian Day Number = 2483533.5, Delta T = 87.74 sec
Ecliptic obliquity = 23°25'35, Nutation = 0°00'15, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°57'50, Lahiri = 25°04'51

SEPTEMBER 2087 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	22 41 36	8♍50'07	22♎37	4♎ 1	29♋ 1	9♎ 0	24♍49	13°R37	1°R43	19♌14	22°R12	18°R25	19♏30	20♏26	23♊ 0	M 1
T 2	22 45 32	9°48'10	4♏35	5°18	29°32	9°39	25° 1	13♉36	1♓41	19°16	22♈11	18♏22	19°27	20°32	23° 2	T 2
W 3	22 49 29	10°46'14	16°26	6°33	0♌ 4	10°18	25°14	13°35	1°39	19°18	22°10	18°D21	19°23	20°39	23° 4	W 3
T 4	22 53 26	11°44'20	28°13	7°46	0°37	10°56	25°27	13°34	1°36	19°20	22°10	18°21	19°20	20°46	23° 6	T 4
F 5	22 57 22	12°42'27	10♐ 3	8°58	1°12	11°35	25°40	13°33	1°34	19°23	22° 9	18°R22	19°17	20°52	23° 8	F 5
S 6	23 1 19	13°40'36	22° 0	10° 7	1°48	12°14	25°52	13°32	1°31	19°25	22° 8	18°21	19°14	20°59	23°10	S 6
S 7	23 5 15	14°38'46	4♑10	11°15	2°25	12°53	26° 5	13°31	1°29	19°27	22° 7	18°20	19°11	21° 6	23°12	S 7
M 8	23 9 12	15°36'58	16°37	12°20	3° 4	13°32	26°18	13°29	1°27	19°29	22° 6	18°15	19° 8	21°12	23°13	M 8
T 9	23 13 8	16°35'11	29°26	13°23	3°43	14°11	26°31	13°28	1°25	19°31	22° 5	18° 9	19° 4	21°19	23°15	T 9
W10	23 17 5	17°33'25	12♒38	14°23	4°24	14°51	26°44	13°26	1°22	19°33	22° 4	18° 1	19° 1	21°26	23°16	W10
T 11	23 21 1	18°31'41	26°15	15°21	5° 6	15°30	26°57	13°25	1°20	19°35	22° 3	17°51	18°58	21°32	23°18	T 11
F 12	23 24 58	19°29'59	10♓14	16°17	5°49	16° 9	27°10	13°23	1°18	19°37	22° 3	17°42	18°55	21°39	23°19	F 12
S 13	23 28 55	20°28'19	24°32	17° 9	6°32	16°48	27°22	13°21	1°16	19°39	22° 2	17°33	18°52	21°46	23°21	S 13
S 14	23 32 51	21°26'40	9♈ 2	17°58	7°17	17°28	27°35	13°19	1°13	19°41	22° 1	17°26	18°48	21°52	23°22	S 14
M15	23 36 48	22°25'03	23°38	18°44	8° 3	18° 7	27°48	13°17	1°11	19°43	22° 0	17°22	18°45	21°59	23°23	M15
T 16	23 40 44	23°23'29	8♉14	19°26	8°49	18°47	28° 1	13°15	1° 9	19°45	21°59	17°19	18°42	22° 5	23°24	T 16
W17	23 44 41	24°21'56	22°44	20° 5	9°37	19°26	28°14	13°13	1° 7	19°46	21°58	17°D19	18°39	22°12	23°25	W17
T 18	23 48 37	25°20'26	7♊ 4	20°39	10°25	20° 6	28°27	13°10	1° 5	19°48	21°57	17°20	18°36	22°19	23°26	T 18
F 19	23 52 34	26°18'58	21°13	21° 9	11°14	20°45	28°40	13° 8	1° 3	19°50	21°56	17°R21	18°33	22°25	23°27	F 19
S 20	23 56 30	27°17'32	5♋ 8	21°34	12° 4	21°25	28°53	13° 5	1° 1	19°52	21°55	17°21	18°29	22°32	23°28	S 20
S 21	0 0 27	28°16'09	18°51	21°54	12°55	22° 5	29° 6	13° 3	0°59	19°54	21°54	17°19	18°26	22°39	23°29	S 21
M22	0 4 24	29°14'47	2♌21	22° 8	13°46	22°44	29°19	13° 0	0°57	19°56	21°53	17°15	18°23	22°45	23°29	M22
T 23	0 8 20	0♎13'28	15°38	22°17	14°38	23°24	29°32	12°57	0°55	19°58	21°51	17° 9	18°20	22°52	23°30	T 23
W24	0 12 17	1°12'11	28°42	22°R19	15°31	24° 4	29°45	12°54	0°53	19°59	21°50	17° 1	18°17	22°59	23°31	W24
T 25	0 16 13	2°10'56	11♍33	22°14	16°24	24°44	29°58	12°51	0°51	20° 1	21°49	16°53	18°14	23° 5	23°31	T 25
F 26	0 20 10	3° 9'43	24°11	22° 3	17°18	25°24	0♎11	12°48	0°49	20° 3	21°48	16°45	18°10	23°12	23°31	F 26
S 27	0 24 6	4° 8'32	6♎36	21°44	18°13	26° 4	0°24	12°45	0°47	20° 5	21°47	16°38	18° 7	23°19	23°32	S 27
S 28	0 28 3	5° 7'23	18°50	21°18	19° 8	26°44	0°37	12°42	0°45	20° 6	21°46	16°33	18° 4	23°25	23°32	S 28
M29	0 31 59	6° 6'16	0♏52	20°45	20° 4	27°25	0°50	12°39	0°43	20° 8	21°45	16°30	18° 1	23°32	23°32	M29
T 30	0 35 56	7♎ 5'11	12♏46	20♎ 4	21♌ 0	28♎ 5	1♎ 3	12♉35	0♓41	20♌10	21♈44	16°D28	17♏58	23♏39	23♊32	T 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷		Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat	
M 1	8n15	10s51	2s13	2s38	1s 8	15n 8	5s20	3s 7	0n29	3n 3	1n 4	13n29	2s33	11s36	0s48	15n13	0n10	7s32	17s24	17s18	17s36	17s46	18n 9	5s 6	M 1
T 2	7 53	14 11	1 13	3 17	1 17	15 9	5 12	3 23	0 28	2 58	1 4	13 29	2 33	11 37	0 48	15 12	0 10	7 32	17 24	17 17	17 35	17 47	18 8	5 7	T 2
W 3	7 31	16 54	0 10	3 55	1 26	15 9	5 5	3 39	0 28	2 53	1 4	13 28	2 33	11 38	0 48	15 11	0 10	7 33	17 24	17 17	17 34	17 48	18 8	5 7	W 3
T 4	7 9	18 54	0n53	4 32	1 34	15 10	4 58	3 55	0 27	2 48	1 4	13 28	2 34	11 39	0 48	15 11	0 10	7 33	17 25	17 17	17 33	17 49	18 8	5 8	T 4
F 5	6 47	20 5	1 53	5 8	1 43	15 10	4 50	4 11	0 26	2 42	1 4	13 27	2 34	11 39	0 48	15 10	0 10	7 34	17 25	17 17	17 32	17 50	18 7	5 8	F 5
S 6	6 25	20 22	2 50	5 44	1 52	15 9	4 43	4 26	0 26	2 37	1 4	13 27	2 34	11 40	0 48	15 9	0 10	7 34	17 25	17 17	17 31	17 50	18 7	5 9	S 6
S 7	6 3	19 42	3 40	6 18	2 1	15 8	4 35	4 42	0 25	2 32	1 4	13 26	2 34	11 41	0 48	15 9	0 11	7 35	17 25	17 16	17 31	17 51	18 6	5 9	S 7
M 8	5 40	18 5	4 20	6 52	2 10	15 7	4 28	4 58	0 25	2 27	1 4	13 25	2 34	11 42	0 48	15 8	0 11	7 35	17 26	17 15	17 30	17 52	18 6	5 9	M 8
T 9	5 18	15 33	4 49	7 24	2 19	15 5	4 20	5 13	0 24	2 22	1 4	13 25	2 35	11 43	0 48	15 8	0 11	7 36	17 26	17 14	17 29	17 53	18 6	5 10	T 9
W10	4 55	12 9	5 4	7 56	2 27	15 3	4 13	5 29	0 23	2 17	1 4	13 24	2 35	11 43	0 48	15 7	0 11	7 36	17 26	17 11	17 28	17 54	18 5	5 10	W10
T 11	4 32	8 1	5 2	8 26	2 35	15 1	4 5	5 45	0 23	2 12	1 4	13 23	2 35	11 44	0 48	15 6	0 11	7 37	17 26	17 9	17 27	17 55	18 5	5 11	T 11
F 12	4 9	3 22	4 42	8 55	2 44	14 58	3 58	6 1	0 22	2 7	1 4	13 23	2 35	11 45	0 48	15 6	0 11	7 37	17 26	17 6	17 26	17 56	18 5	5 11	F 12
S 13	3 46	1n34	4 4	9 22	2 52	14 55	3 50	6 16	0 21	2 2	1 4	13 22	2 36	11 46	0 48	15 5	0 11	7 38	17 27	17 4	17 25	17 57	18 4	5 12	S 13
S 14	3 23	6 30	3 11	9 48	2 59	14 51	3 43	6 32	0 21	1 56	1 4	13 21	2 36	11 47	0 48	15 5	0 11	7 38	17 27	17 2	17 24	17 57	18 4	5 12	S 14
M15	3 0	11 5	2 4	10 13	3 7	14 47	3 35	6 47	0 20	1 51	1 4	13 20	2 36	11 47	0 48	15 4	0 11	7 39	17 27	17 0	17 24	17 58	18 3	5 13	M15
T 16	2 37	15 1	0 49	10 36	3 14	14 42	3 28	7 3	0 20	1 46	1 4	13 19	2 36	11 48	0 48	15 3	0 11	7 39	17 27	17 0	17 23	17 59	18 3	5 13	T 16
W17	2 14	17 58	0s29	10 56	3 21	14 37	3 20	7 18	0 19	1 41	1 4	13 19	2 36	11 49	0 48	15 3	0 11	7 40	17 27	17 0	17 22	18 0	18 2	5 14	W17
T 18	1 51	19 46	1 44	11 15	3 27	14 31	3 13	7 34	0 18	1 36	1 4	13 18	2 37	11 50	0 48	15 2	0 11	7 41	17 28	17 0	17 21	18 1	18 2	5 14	T 18
F 19	1 28	20 16	2 52	11 32	3 33	14 25	3 6	7 49	0 18	1 31	1 4	13 17	2 37	11 50	0 48	15 2	0 11	7 41	17 28	17 0	17 20	18 2	18 2	5 15	F 19
S 20	1 5	19 31	3 49	11 46	3 38	14 18	2 58	8 5	0 17	1 26	1 4	13 16	2 37	11 51	0 48	15 1	0 11	7 42	17 28	17 0	17 19	18 3	18 1	5 15	S 20
S 21	0 41	17 37	4 31	11 58	3 42	14 11	2 51	8 20	0 17	1 20	1 4	13 15	2 37	11 52	0 47	15 0	0 11	7 42	17 28	17 0	17 18	18 3	18 1	5 16	S 21
M22	0 18	14 47	4 58	12 7	3 46	14 4	2 44	8 36	0 16	1 15	1 4	13 14	2 37	11 52	0 47	15 0	0 11	7 43	17 28	16 58	17 17	18 4	18 0	5 16	M22
T 23	0s 5	11 14	5 8	12 12	3 49	13 56	2 37	8 51	0 15	1 10	1 4	13 13	2 37	11 53	0 47	14 59	0 11	7 43	17 28	16 57	17 17	18 5	18 0	5 17	T 23
W24	0 29	7 12	5 2	12 15	3 51	13 47	2 30	9 6	0 15	1 5	1 4	13 12	2 38	11 54	0 47	14 59	0 11	7 44	17 28	16 55	17 16	18 6	17 59	5 17	W24
T 25	0 52	2 54	4 41	12 14	3 52	13 38	2 23	9 21	0 14	1 0	1 4	13 11	2 38	11 54	0 47	14 58	0 11	7 44	17 29	16 52	17 15	18 7	17 59	5 18	T 25
F 26	1 15	1s27	4 6	12 9	3 51	13 29	2 16	9 37	0 14	0 55	1 4	13 10	2 38	11 55	0 47	14 58	0 11	7 45	17 29	16 50	17 14	18 8	17 58	5 18	F 26
S 27	1 39	5 40	3 19	12 1	3 50	13 19	2 9	9 52	0 13	0 50	1 4	13 9	2 38	11 56	0 47	14 57	0 11	7 45	17 29	16 48	17 13	18 8	17 58	5 19	S 27
S 28	2 2	9 36	2 25	11 48	3 46	13 9	2 2	10 7	0 12	0 45	1 5	13 8	2 38	11 56	0 47	14 57	0 11	7 45	17 29	16 47	17 12	18 9	17 57	5 19	S 28
M29	2 25	13 5	1 24	11 31	3 41	12 58	1 55	10 22	0 12	0 39	1 5	13 6	2 38	11 57	0 47	14 56	0 11	7 46	17 29	16 46	17 11	18 10	17 57	5 20	M29
T 30	2s49	15s59	0s20	11s 9	3s35	12n47	1s48	10s37	0n11	0n34	1n 5	13n 5	2s39	11s58	0s47	14n56	0n11	7s46	17s29	16s45	17s10	18s11	17n56	5s20	T 30

Julian Day Number = 2483564.5, Delta T = 87.78 sec
Ecliptic obliquity = 23°25'35, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°57'54, Lahiri = 25°04'55

ASTRODIENST EPHEMERIS for the year 2087
geocentric

OCTOBER 2087 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	0 39 52	8♎ 4'08	24♏34	19°R17	21♌57	28♎45	1♎16	12°R32	0°R40	20♌11	21°R43	16♏29	17♏54	23♏45	23°R32	W 1
T 2	0 43 49	9° 3'06	6♐21	18♎22	22°54	29°25	1°29	12♋28	0♓38	20°13	21♈42	16°30	17°51	23°52	23♊32	T 2
F 3	0 47 46	10° 2'07	18° 9	17°23	23°52	0♏ 6	1°42	12°25	0°36	20°14	21°41	16°32	17°48	23°58	23°32	F 3
S 4	0 51 42	11° 1'09	0♑ 5	16°18	24°50	0°46	1°55	12°21	0°35	20°16	21°39	16°33	17°45	24° 5	23°32	S 4
S 5	0 55 39	12° 0'13	12°13	15°10	25°49	1°27	2° 7	12°17	0°33	20°18	21°38	16°R34	17°42	24°12	23°32	S 5
M 6	0 59 35	12°59'19	24°38	14° 1	26°48	2° 7	2°20	12°13	0°31	20°19	21°37	16°33	17°39	24°18	23°31	M 6
T 7	1 3 32	13°58'26	7♒24	12°52	27°48	2°48	2°33	12° 9	0°30	20°21	21°36	16°31	17°35	24°25	23°31	T 7
W 8	1 7 28	14°57'35	20°36	11°44	28°48	3°29	2°46	12° 5	0°28	20°22	21°35	16°28	17°32	24°32	23°30	W 8
T 9	1 11 25	15°56'46	4♓15	10°41	29°48	4° 9	2°59	12° 1	0°27	20°23	21°34	16°23	17°29	24°38	23°30	T 9
F 10	1 15 21	16°55'59	18°20	9°43	0♐49	4°50	3°12	11°57	0°25	20°25	21°33	16°19	17°26	24°45	23°29	F 10
S 11	1 19 18	17°55'14	2♈49	8°53	1°50	5°31	3°24	11°53	0°24	20°26	21°31	16°15	17°23	24°52	23°28	S 11
S 12	1 23 15	18°54'30	17°36	8°11	2°52	6°12	3°37	11°49	0°23	20°28	21°30	16°11	17°20	24°58	23°27	S 12
M13	1 27 11	19°53'49	2♉34	7°39	3°54	6°53	3°50	11°45	0°21	20°29	21°29	16° 9	17°16	25° 5	23°27	M13
T 14	1 31 8	20°53'10	17°33	7°18	4°56	7°34	4° 3	11°40	0°20	20°30	21°28	16°D 9	17°13	25°12	23°26	T 14
W15	1 35 4	21°52'33	2♊27	7°D 7	5°59	8°15	4°15	11°36	0°19	20°31	21°27	16°10	17°10	25°18	23°25	W15
T 16	1 39 1	22°51'58	17° 7	7° 8	7° 2	8°56	4°28	11°32	0°18	20°33	21°26	16°11	17° 7	25°25	23°24	T 16
F 17	1 42 57	23°51'26	1♋31	7°19	8° 5	9°37	4°41	11°27	0°17	20°34	21°25	16°12	17° 4	25°31	23°22	F 17
S 18	1 46 54	24°50'56	15°34	7°41	9° 9	10°18	4°53	11°23	0°15	20°35	21°23	16°13	17° 0	25°38	23°21	S 18
S 19	1 50 50	25°50'28	29°16	8°12	10°13	10°59	5° 6	11°18	0°14	20°36	21°22	16°R13	16°57	25°45	23°20	S 19
M20	1 54 47	26°50'03	12♌38	8°53	11°17	11°41	5°18	11°13	0°13	20°37	21°21	16°13	16°54	25°51	23°18	M20
T 21	1 58 44	27°49'39	25°42	9°42	12°22	12°22	5°31	11° 9	0°12	20°39	21°20	16°11	16°51	25°58	23°17	T 21
W22	2 2 40	28°49'18	8♍29	10°39	13°27	13° 3	5°43	11° 4	0°12	20°40	21°19	16° 9	16°48	26° 5	23°15	W22
T 23	2 6 37	29°49'00	21° 2	11°43	14°32	13°45	5°56	10°59	0°11	20°41	21°18	16° 6	16°45	26°11	23°14	T 23
F 24	2 10 33	0♏48'43	3♎22	12°52	15°38	14°27	6° 8	10°55	0°10	20°42	21°16	16° 4	16°41	26°18	23°12	F 24
S 25	2 14 30	1°48'29	15°32	14° 7	16°44	15° 8	6°20	10°50	0° 9	20°43	21°15	16° 2	16°38	26°25	23°10	S 25
S 26	2 18 26	2°48'16	27°34	15°26	17°50	15°50	6°33	10°45	0° 8	20°44	21°14	16° 0	16°35	26°31	23° 9	S 26
M27	2 22 23	3°48'06	9♏28	16°48	18°56	16°31	6°45	10°40	0° 8	20°45	21°13	16° 0	16°32	26°38	23° 7	M27
T 28	2 26 19	4°47'57	21°18	18°15	20° 2	17°13	6°57	10°36	0° 7	20°45	21°12	16°D 0	16°29	26°45	23° 5	T 28
W29	2 30 16	5°47'51	3♐ 4	19°43	21° 9	17°55	7° 9	10°31	0° 7	20°46	21°11	16° 0	16°25	26°51	23° 3	W29
T 30	2 34 13	6°47'46	14°51	21°14	22°16	18°37	7°21	10°26	0° 6	20°47	21°10	16° 1	16°22	26°58	23° 1	T 30
F 31	2 38 9	7♏47'43	26♐41	22♎47	23♍23	19♏19	7♎34	10♋21	0♓ 6	20♌48	21♈ 9	16♏ 2	16♏19	27♏ 5	22♊59	F 31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	3s12	18s11	0n44	10s43	3s26	12n35	1s42	10s52	0n10	0n29	1n 5	13n 4	2s39	11s58	0s47	14n55	0n11	7s47	17s29	16s45	17s10	18s12	17n56	5s21
T 2	3 35	19 36	1 46	10 13	3 16	12 23	1 35	11 7	0 10	0 24	1 5	13 3	2 39	11 59	0 47	14 55	0 11	7 47	17 29	16 46	17 9	18 12	17 55	5 21
F 3	3 58	20 10	2 45	9 39	3 4	12 10	1 29	11 21	0 9	0 19	1 5	13 2	2 39	11 59	0 47	14 54	0 11	7 48	17 29	16 46	17 8	18 13	17 55	5 21
S 4	4 21	19 49	3 36	9 1	2 50	11 57	1 22	11 36	0 9	0 14	1 5	13 0	2 39	12 0	0 47	14 54	0 11	7 48	17 29	16 47	17 7	18 14	17 55	5 22
S 5	4 45	18 34	4 19	8 21	2 34	11 43	1 16	11 51	0 8	0 9	1 5	12 59	2 39	12 1	0 47	14 53	0 11	7 49	17 29	16 47	17 6	18 15	17 54	5 22
M 6	5 8	16 25	4 51	7 38	2 17	11 29	1 9	12 5	0 7	0 4	1 5	12 58	2 39	12 1	0 47	14 53	0 11	7 49	17 29	16 47	17 5	18 15	17 54	5 23
T 7	5 31	13 25	5 9	6 53	1 58	11 15	1 3	12 20	0 7	0s 1	1 5	12 57	2 40	12 2	0 47	14 52	0 11	7 50	17 30	16 46	17 4	18 16	17 53	5 23
W 8	5 53	9 40	5 12	6 9	1 39	11 0	0 57	12 34	0 6	0 6	1 5	12 55	2 40	12 2	0 47	14 52	0 11	7 50	17 30	16 45	17 3	18 17	17 53	5 24
T 9	6 16	5 19	4 58	5 26	1 18	10 44	0 51	12 49	0 6	0 11	1 5	12 54	2 40	12 3	0 47	14 51	0 11	7 51	17 30	16 44	17 2	18 18	17 52	5 24
F 10	6 39	0 32	4 26	4 44	0 58	10 29	0 45	13 3	0 5	0 16	1 5	12 53	2 40	12 3	0 47	14 51	0 11	7 51	17 30	16 42	17 2	18 18	17 51	5 25
S 11	7 2	4n25	3 36	4 5	0 37	10 12	0 39	13 17	0 4	0 21	1 5	12 51	2 40	12 4	0 47	14 51	0 11	7 51	17 30	16 41	17 1	18 19	17 51	5 25
S 12	7 24	9 14	2 31	3 31	0 17	9 56	0 33	13 31	0 4	0 26	1 5	12 50	2 40	12 4	0 47	14 50	0 11	7 52	17 30	16 40	17 0	18 20	17 50	5 26
M13	7 47	13 31	1 14	3 0	0n 2	9 39	0 28	13 45	0 3	0 31	1 5	12 48	2 40	12 4	0 47	14 50	0 11	7 52	17 30	16 40	16 59	18 21	17 50	5 26
T 14	8 9	16 56	0s 8	2 35	0 20	9 21	0 22	13 59	0 3	0 36	1 5	12 47	2 40	12 5	0 47	14 49	0 11	7 53	17 30	16 40	16 58	18 21	17 49	5 27
W15	8 31	19 11	1 29	2 15	0 37	9 3	0 17	14 13	0 2	0 41	1 5	12 46	2 40	12 5	0 47	14 49	0 11	7 53	17 30	16 40	16 57	18 22	17 49	5 27
T 16	8 53	20 6	2 43	2 1	0 53	8 45	0 11	14 27	0 1	0 46	1 5	12 44	2 40	12 6	0 47	14 49	0 11	7 54	17 30	16 40	16 56	18 23	17 48	5 28
F 17	9 15	19 40	3 45	1 53	1 7	8 26	0 6	14 40	0 1	0 51	1 6	12 43	2 41	12 6	0 47	14 48	0 11	7 54	17 30	16 41	16 55	18 24	17 48	5 28
S 18	9 37	18 1	4 32	1 50	1 19	8 8	0 1	14 54	0 0	0 56	1 6	12 41	2 41	12 6	0 47	14 48	0 11	7 54	17 30	16 41	16 54	18 24	17 47	5 29
S 19	9 59	15 22	5 2	1 53	1 30	7 48	0n 5	15 7	0s 0	1 1	1 6	12 40	2 41	12 7	0 47	14 47	0 11	7 55	17 30	16 41	16 53	18 25	17 47	5 29
M20	10 20	11 57	5 15	2 0	1 39	7 28	0 10	15 21	0 1	1 6	1 6	12 38	2 41	12 7	0 47	14 47	0 11	7 55	17 30	16 41	16 53	18 26	17 46	5 29
T 21	10 42	8 3	5 12	2 13	1 47	7 8	0 15	15 34	0 2	1 11	1 6	12 37	2 41	12 7	0 47	14 47	0 11	7 55	17 30	16 40	16 52	18 27	17 46	5 30
W22	11 3	3 52	4 52	2 29	1 53	6 48	0 19	15 47	0 2	1 16	1 6	12 36	2 41	12 8	0 47	14 46	0 11	7 56	17 29	16 40	16 51	18 27	17 45	5 30
T 23	11 24	0s25	4 19	2 49	1 58	6 27	0 24	16 0	0 3	1 21	1 6	12 34	2 41	12 8	0 47	14 46	0 11	7 56	17 29	16 39	16 50	18 28	17 45	5 31
F 24	11 45	4 38	3 35	3 13	2 1	6 6	0 29	16 13	0 4	1 25	1 6	12 33	2 41	12 8	0 47	14 46	0 11	7 56	17 29	16 38	16 49	18 29	17 44	5 31
S 25	12 6	8 35	2 41	3 39	2 4	5 45	0 33	16 26	0 4	1 30	1 6	12 31	2 41	12 8	0 47	14 46	0 11	7 57	17 29	16 38	16 48	18 29	17 44	5 32
S 26	12 26	12 10	1 41	4 9	2 5	5 23	0 38	16 39	0 5	1 35	1 6	12 30	2 41	12 9	0 47	14 45	0 11	7 57	17 29	16 37	16 47	18 30	17 43	5 32
M27	12 47	15 13	0 36	4 40	2 6	5 1	0 42	16 51	0 5	1 40	1 6	12 28	2 41	12 9	0 47	14 45	0 11	7 57	17 29	16 37	16 46	18 31	17 43	5 33
T 28	13 7	17 36	0n29	5 13	2 5	4 39	0 46	17 4	0 6	1 44	1 6	12 27	2 41	12 9	0 46	14 45	0 11	7 58	17 29	16 37	16 45	18 31	17 42	5 33
W29	13 27	19 14	1 34	5 48	2 4	4 17	0 50	17 16	0 7	1 49	1 7	12 25	2 41	12 9	0 46	14 44	0 11	7 58	17 29	16 37	16 44	18 32	17 42	5 33
T 30	13 47	20 1	2 34	6 24	2 2	3 54	0 54	17 28	0 7	1 54	1 7	12 24	2 41	12 9	0 46	14 44	0 11	7 58	17 29	16 37	16 43	18 33	17 41	5 34
F 31	14s 6	19s56	3n28	7s 1	1n59	3n31	0n58	17s40	0s 8	1s59	1n 7	12n22	2s41	12s 9	0s46	14n44	0n11	7s59	17s29	16s38	16s43	18s33	17n41	5s34

Julian Day Number = 2483594.5, Delta T = 87.81 sec
Ecliptic obliquity = 23°25'35, Nutation = 0°00'12, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°57'59, Lahiri = 25°04'59

ASTRODIENST EPHEMERIS for the year 2087
geocentric

NOVEMBER 2087 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	2 42 6	8♏47'42	8♑38	24♎21	24♍31	20♏ 1	7♎46	10°R16	0°R 5	20♌49	21°R 8	16♏ 3	16♏16	27♏11	22°R57	S 1
S 2	2 46 2	9°47'42	20°45	25°56	25°38	20°43	7°57	10♉12	0♓ 5	20°49	21♈ 6	16° 3	16°13	27°18	22♊54	S 2
M 3	2 49 59	10°47'44	3♒ 8	27°33	26°46	21°25	8° 9	10° 7	0° 4	20°50	21° 5	16° 4	16°10	27°24	22°52	M 3
T 4	2 53 55	11°47'48	15°49	29°10	27°54	22° 7	8°21	10° 2	0° 4	20°51	21° 4	16°R 4	16° 6	27°31	22°50	T 4
W 5	2 57 52	12°47'53	28°53	0♏47	29° 2	22°49	8°33	9°57	0° 4	20°51	21° 3	16° 4	16° 3	27°38	22°47	W 5
T 6	3 1 48	13°47'59	12♓24	2°25	0♎11	23°32	8°45	9°52	0° 4	20°52	21° 2	16° 3	16° 0	27°44	22°45	T 6
F 7	3 5 45	14°48'07	26°22	4° 2	1°19	24°14	8°56	9°47	0° 4	20°53	21° 1	16° 3	15°57	27°51	22°42	F 7
S 8	3 9 42	15°48'17	10♈46	5°40	2°28	24°56	9° 8	9°43	0° 3	20°53	21° 0	16°D 3	15°54	27°58	22°40	S 8
S 9	3 13 38	16°48'28	25°34	7°18	3°37	25°39	9°20	9°38	0°D 3	20°54	20°59	16° 3	15°51	28° 4	22°37	S 9
M10	3 17 35	17°48'41	10♉39	8°56	4°46	26°21	9°31	9°33	0° 3	20°54	20°58	16°R 3	15°47	28°11	22°34	M10
T 11	3 21 31	18°48'56	25°52	10°34	5°55	27° 4	9°43	9°28	0° 4	20°54	20°57	16° 3	15°44	28°18	22°31	T 11
W12	3 25 28	19°49'13	11♊ 4	12°12	7° 5	27°46	9°54	9°24	0° 4	20°55	20°56	16° 3	15°41	28°24	22°29	W12
T 13	3 29 24	20°49'31	26° 5	13°49	8°14	28°29	10° 5	9°19	0° 4	20°55	20°55	16° 3	15°38	28°31	22°26	T 13
F 14	3 33 21	21°49'51	10♋47	15°27	9°24	29°11	10°16	9°14	0° 4	20°56	20°54	16° 2	15°35	28°38	22°23	F 14
S 15	3 37 17	22°50'13	25° 5	17° 4	10°34	29°54	10°28	9° 9	0° 4	20°56	20°53	16° 1	15°31	28°44	22°20	S 15
S 16	3 41 14	23°50'38	8♌57	18°41	11°44	0♐37	10°39	9° 5	0° 5	20°56	20°52	16° 1	15°28	28°51	22°17	S 16
M17	3 45 11	24°51'03	22°23	20°17	12°54	1°20	10°50	9° 0	0° 5	20°56	20°51	16°D 0	15°25	28°58	22°14	M17
T 18	3 49 7	25°51'31	5♍24	21°53	14° 5	2° 3	11° 1	8°56	0° 6	20°56	20°50	16° 1	15°22	29° 4	22°11	T 18
W19	3 53 4	26°52'01	18° 4	23°29	15°15	2°46	11°11	8°51	0° 6	20°57	20°49	16° 1	15°19	29°11	22° 8	W19
T 20	3 57 0	27°52'32	0♎27	25° 5	16°26	3°29	11°22	8°47	0° 7	20°57	20°49	16° 2	15°16	29°17	22° 5	T 20
F 21	4 0 57	28°53'05	12°36	26°41	17°37	4°12	11°33	8°42	0° 7	20°57	20°48	16° 3	15°12	29°24	22° 1	F 21
S 22	4 4 53	29°53'40	24°35	28°16	18°48	4°55	11°43	8°38	0° 8	20°57	20°47	16° 5	15° 9	29°31	21°58	S 22
S 23	4 8 50	0♐54'17	6♏27	29°51	19°59	5°38	11°54	8°34	0° 8	20°R57	20°46	16° 5	15° 6	29°37	21°55	S 23
M24	4 12 46	1°54'55	18°16	1♐26	21°10	6°21	12° 4	8°30	0° 9	20°57	20°45	16°R 6	15° 3	29°44	21°52	M24
T 25	4 16 43	2°55'35	0♐ 3	3° 1	22°21	7° 5	12°15	8°25	0°10	20°57	20°44	16° 5	15° 0	29°51	21°48	T 25
W26	4 20 40	3°56'16	11°51	4°36	23°33	7°48	12°25	8°21	0°11	20°57	20°44	16° 4	14°57	29°57	21°45	W26
T 27	4 24 36	4°56'58	23°42	6°10	24°44	8°31	12°35	8°17	0°12	20°57	20°43	16° 1	14°53	0♐ 4	21°41	T 27
F 28	4 28 33	5°57'42	5♑38	7°45	25°56	9°15	12°45	8°13	0°13	20°56	20°42	15°58	14°50	0°11	21°38	F 28
S 29	4 32 29	6°58'27	17°41	9°19	27° 7	9°58	12°55	8° 9	0°14	20°56	20°41	15°54	14°47	0°17	21°35	S 29
S 30	4 36 26	7♐59'13	29♑54	10♐53	28♎19	10♐42	13♎ 5	8♉ 5	0♓15	20♌56	20♈41	15♏51	14♏44	0♐24	21♊31	S 30

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s25	18s56	4n13	7s39	1n56	3n 8	1n 2	17s52	0s 8	2s 3	1n 7	12n21	2s41	12s10	0s46	14n44	0n11	7s59	17s29	16s38	16s42	18s34	17n40	5s35
S 2	14 44	17 5	4 48	8 17	1 52	2 44	1 6	18 4	0 9	2 8	1 7	12 19	2 41	12 10	0 46	14 44	0 11	7 59	17 28	16 38	16 41	18 35	17 40	5 35
M 3	15 3	14 25	5 10	8 55	1 47	2 21	1 9	18 16	0 10	2 12	1 7	12 18	2 41	12 10	0 46	14 43	0 11	8 0	17 28	16 38	16 40	18 35	17 39	5 35
T 4	15 22	11 1	5 18	9 34	1 43	1 57	1 13	18 27	0 10	2 17	1 7	12 16	2 41	12 10	0 46	14 43	0 11	8 0	17 28	16 38	16 39	18 36	17 39	5 36
W 5	15 40	7 0	5 10	10 13	1 37	1 33	1 16	18 38	0 11	2 21	1 7	12 15	2 41	12 10	0 46	14 43	0 11	8 0	17 28	16 38	16 38	18 37	17 38	5 36
T 6	15 58	2 30	4 45	10 52	1 32	1 9	1 19	18 50	0 11	2 26	1 7	12 13	2 41	12 10	0 46	14 43	0 11	8 0	17 28	16 38	16 37	18 37	17 38	5 37
F 7	16 16	2n16	4 3	11 30	1 26	0 44	1 23	19 1	0 12	2 30	1 8	12 12	2 41	12 10	0 46	14 43	0 11	8 1	17 28	16 38	16 36	18 38	17 37	5 37
S 8	16 34	7 5	3 4	12 8	1 21	0 20	1 26	19 12	0 13	2 35	1 8	12 10	2 41	12 10	0 46	14 42	0 11	8 1	17 28	16 38	16 35	18 39	17 37	5 37
S 9	16 51	11 37	1 52	12 46	1 14	0s 5	1 28	19 22	0 13	2 39	1 8	12 9	2 40	12 10	0 46	14 42	0 11	8 1	17 27	16 38	16 34	18 39	17 36	5 38
M10	17 8	15 29	0 30	13 24	1 8	0 30	1 31	19 33	0 14	2 44	1 8	12 8	2 40	12 10	0 46	14 42	0 12	8 1	17 27	16 38	16 33	18 40	17 36	5 38
T 11	17 25	18 20	0s54	14 1	1 2	0 55	1 34	19 43	0 14	2 48	1 8	12 6	2 40	12 10	0 46	14 42	0 12	8 1	17 27	16 38	16 32	18 41	17 35	5 38
W12	17 41	19 52	2 15	14 37	0 55	1 20	1 37	19 54	0 15	2 52	1 8	12 5	2 40	12 10	0 46	14 42	0 12	8 2	17 27	16 38	16 32	18 41	17 35	5 39
T 13	17 57	19 57	3 25	15 12	0 48	1 45	1 39	20 4	0 15	2 57	1 8	12 3	2 40	12 10	0 46	14 42	0 12	8 2	17 27	16 38	16 31	18 42	17 34	5 39
F 14	18 13	18 40	4 20	15 47	0 42	2 10	1 41	20 14	0 16	3 1	1 8	12 2	2 40	12 9	0 46	14 42	0 12	8 2	17 27	16 38	16 30	18 42	17 34	5 39
S 15	18 28	16 14	4 57	16 22	0 35	2 36	1 44	20 23	0 17	3 5	1 9	12 1	2 40	12 9	0 46	14 42	0 12	8 2	17 26	16 37	16 29	18 43	17 33	5 40
S 16	18 43	12 56	5 16	16 55	0 28	3 1	1 46	20 33	0 17	3 9	1 9	11 59	2 40	12 9	0 46	14 42	0 12	8 2	17 26	16 37	16 28	18 44	17 33	5 40
M17	18 58	9 3	5 16	17 28	0 21	3 26	1 48	20 42	0 18	3 14	1 9	11 58	2 40	12 9	0 46	14 42	0 12	8 2	17 26	16 37	16 27	18 44	17 32	5 40
T 18	19 13	4 52	5 0	18 0	0 15	3 52	1 50	20 52	0 18	3 18	1 9	11 57	2 40	12 9	0 46	14 42	0 12	8 2	17 26	16 37	16 26	18 45	17 32	5 41
W19	19 27	0 34	4 30	18 31	0 8	4 17	1 51	21 1	0 19	3 22	1 9	11 55	2 39	12 9	0 46	14 41	0 12	8 3	17 25	16 37	16 25	18 45	17 31	5 41
T 20	19 41	3s39	3 47	19 1	0 1	4 43	1 53	21 10	0 20	3 26	1 9	11 54	2 39	12 8	0 46	14 41	0 12	8 3	17 25	16 38	16 24	18 46	17 31	5 41
F 21	19 54	7 40	2 55	19 30	0s 6	5 8	1 55	21 18	0 20	3 30	1 9	11 53	2 39	12 8	0 46	14 41	0 12	8 3	17 25	16 38	16 23	18 47	17 30	5 42
S 22	20 7	11 20	1 57	19 58	0 13	5 34	1 56	21 27	0 21	3 34	1 10	11 52	2 39	12 8	0 46	14 41	0 12	8 3	17 25	16 38	16 22	18 47	17 30	5 42
S 23	20 20	14 30	0 53	20 25	0 19	5 59	1 58	21 35	0 21	3 38	1 10	11 50	2 39	12 8	0 46	14 41	0 12	8 3	17 25	16 39	16 21	18 48	17 29	5 42
M24	20 32	17 4	0n12	20 51	0 26	6 25	1 59	21 43	0 22	3 42	1 10	11 49	2 39	12 7	0 45	14 41	0 12	8 3	17 24	16 39	16 20	18 48	17 29	5 42
T 25	20 44	18 54	1 17	21 17	0 32	6 50	2 0	21 51	0 22	3 46	1 10	11 48	2 39	12 7	0 45	14 42	0 12	8 3	17 24	16 39	16 20	18 49	17 28	5 43
W26	20 55	19 55	2 18	21 41	0 39	7 16	2 1	21 59	0 23	3 50	1 10	11 47	2 38	12 7	0 45	14 42	0 12	8 3	17 24	16 38	16 19	18 49	17 28	5 43
T 27	21 7	20 3	3 13	22 4	0 45	7 41	2 2	22 6	0 24	3 53	1 10	11 46	2 38	12 6	0 45	14 42	0 12	8 3	17 23	16 37	16 18	18 50	17 28	5 43
F 28	21 17	19 18	4 1	22 26	0 51	8 6	2 3	22 13	0 24	3 57	1 10	11 45	2 38	12 6	0 45	14 42	0 12	8 3	17 23	16 36	16 17	18 51	17 27	5 43
S 29	21 28	17 40	4 38	22 47	0 57	8 31	2 4	22 21	0 25	4 1	1 11	11 44	2 38	12 6	0 45	14 42	0 12	8 3	17 23	16 35	16 16	18 51	17 27	5 43
S 30	21s38	15s13	5n 3	23s 6	1s 3	8s56	2n 4	22s27	0s25	4s 5	1n11	11n42	2s38	12s 5	0s45	14n42	0n12	8s 3	17s23	16s34	16s15	18s52	17n26	5s44

Julian Day Number = 2483625.5, Delta T = 87.85 sec
Ecliptic obliquity = 23°25'34, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°58'03, Lahiri = 25°05'03

ASTRODIENST EPHEMERIS for the year 2087
geocentric

DECEMBER 2087 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	4 40 22	9♐ 0'00	12♒19	12♐27	29♎31	11♐26	13♎15	8°R 2	0♓16	20°R56	20°R40	15°R48	14♏41	0♐31	21°R28	M 1
T 2	4 44 19	10° 0'48	24°59	14° 1	0♏43	12° 9	13°24	7♉58	0°17	20♌56	20♈39	15♏46	14°37	0°37	21♊24	T 2
W 3	4 48 15	11° 1'37	7♓58	15°34	1°55	12°53	13°34	7°54	0°18	20°55	20°38	15°D45	14°34	0°44	21°20	W 3
T 4	4 52 12	12° 2'27	21°18	17° 8	3° 7	13°37	13°43	7°51	0°19	20°55	20°38	15°45	14°31	0°51	21°17	T 4
F 5	4 56 9	13° 3'17	5♈ 2	18°42	4°20	14°20	13°53	7°47	0°21	20°54	20°37	15°46	14°28	0°57	21°13	F 5
S 6	5 0 5	14° 4'08	19°11	20°16	5°32	15° 4	14° 2	7°44	0°22	20°54	20°36	15°48	14°25	1° 4	21°10	S 6
S 7	5 4 2	15° 5'01	3♉44	21°49	6°44	15°48	14°11	7°40	0°23	20°54	20°36	15°49	14°22	1°11	21° 6	S 7
M 8	5 7 58	16° 5'54	18°38	23°23	7°57	16°32	14°20	7°37	0°25	20°53	20°35	15°R50	14°18	1°17	21° 2	M 8
T 9	5 11 55	17° 6'48	3♊46	24°57	9° 9	17°16	14°29	7°34	0°26	20°53	20°35	15°49	14°15	1°24	20°59	T 9
W10	5 15 51	18° 7'42	18°59	26°30	10°22	18° 0	14°38	7°31	0°28	20°52	20°34	15°46	14°12	1°30	20°55	W10
T 11	5 19 48	19° 8'38	4♋ 8	28° 4	11°35	18°44	14°47	7°28	0°29	20°51	20°34	15°42	14° 9	1°37	20°52	T 11
F 12	5 23 44	20° 9'35	19° 3	29°38	12°48	19°29	14°55	7°25	0°31	20°51	20°33	15°36	14° 6	1°44	20°48	F 12
S 13	5 27 41	21°10'33	3♌35	1♑11	14° 1	20°13	15° 4	7°22	0°33	20°50	20°33	15°31	14° 3	1°50	20°44	S 13
S 14	5 31 38	22°11'32	17°39	2°45	15°14	20°57	15°12	7°19	0°34	20°50	20°32	15°26	13°59	1°57	20°41	S 14
M15	5 35 34	23°12'32	1♍15	4°18	16°27	21°41	15°20	7°17	0°36	20°49	20°32	15°22	13°56	2° 4	20°37	M15
T 16	5 39 31	24°13'33	14°22	5°52	17°40	22°26	15°28	7°14	0°38	20°48	20°31	15°20	13°53	2°10	20°33	T 16
W17	5 43 27	25°14'34	27° 4	7°25	18°53	23°10	15°36	7°12	0°40	20°47	20°31	15°D19	13°50	2°17	20°30	W17
T 18	5 47 24	26°15'37	9♎25	8°59	20° 6	23°55	15°44	7° 9	0°42	20°46	20°30	15°20	13°47	2°24	20°26	T 18
F 19	5 51 20	27°16'41	21°29	10°32	21°19	24°39	15°52	7° 7	0°44	20°46	20°30	15°22	13°43	2°30	20°22	F 19
S 20	5 55 17	28°17'46	3♏24	12° 5	22°33	25°24	15°59	7° 5	0°46	20°45	20°30	15°23	13°40	2°37	20°19	S 20
S 21	5 59 13	29°18'51	15°11	13°37	23°46	26° 8	16° 7	7° 3	0°48	20°44	20°29	15°R24	13°37	2°44	20°15	S 21
M22	6 3 10	0♑19'58	26°57	15° 9	25° 0	26°53	16°14	7° 1	0°50	20°43	20°29	15°23	13°34	2°50	20°12	M22
T 23	6 7 7	1°21'04	8♐45	16°41	26°13	27°38	16°21	6°59	0°52	20°42	20°29	15°20	13°31	2°57	20° 8	T 23
W24	6 11 3	2°22'12	20°37	18°12	27°27	28°22	16°28	6°58	0°54	20°41	20°29	15°15	13°28	3° 4	20° 5	W24
T 25	6 15 0	3°23'20	2♑36	19°42	28°40	29° 7	16°35	6°56	0°56	20°40	20°28	15° 8	13°24	3°10	20° 1	T 25
F 26	6 18 56	4°24'29	14°42	21°11	29°54	29°52	16°42	6°54	0°58	20°39	20°28	14°58	13°21	3°17	19°57	F 26
S 27	6 22 53	5°25'37	26°58	22°39	1♐ 8	0♑37	16°48	6°53	1° 1	20°38	20°28	14°48	13°18	3°24	19°54	S 27
S 28	6 26 49	6°26'46	9♒24	24° 5	2°21	1°22	16°54	6°52	1° 3	20°37	20°28	14°38	13°15	3°30	19°50	S 28
M29	6 30 46	7°27'56	22° 1	25°30	3°35	2° 7	17° 1	6°51	1° 5	20°36	20°28	14°29	13°12	3°37	19°47	M29
T 30	6 34 42	8°29'05	4♓50	26°53	4°49	2°52	17° 7	6°50	1° 8	20°35	20°28	14°22	13° 9	3°44	19°44	T 30
W31	6 38 39	9♑30'14	17♓52	28♑13	6♐ 3	3♑37	17♎13	6♉49	1♓10	20♌33	20♈27	14♏17	13♏ 5	3♐50	19♊40	W31

Day	☉	☽		☿		♀		♂		♃		♄		♅		♆		♇		☊	☊	⚸	⚷	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
M 1	21s47	12s 4	5n14	23s25	1s 9	9s21	2n 5	22s34	0s26	4s 8	1n11	11n41	2s37	12s 5	0s45	14n42	0n12	8s 3	17s22	16s34	16s14	18s52	17n26	5s44
T 2	21 56	8 18	5 11	23 42	1 14	9 46	2 5	22 40	0 27	4 12	1 11	11 40	2 37	12 4	0 45	14 42	0 12	8 3	17 22	16 33	16 13	18 53	17 25	5 44
W 3	22 5	4 4	4 52	23 58	1 20	10 10	2 5	22 47	0 27	4 15	1 11	11 39	2 37	12 4	0 45	14 42	0 12	8 3	17 22	16 33	16 12	18 53	17 25	5 44
T 4	22 13	0n29	4 16	24 13	1 25	10 35	2 6	22 53	0 28	4 19	1 12	11 39	2 37	12 3	0 45	14 42	0 12	8 3	17 22	16 33	16 11	18 54	17 25	5 44
F 5	22 21	5 9	3 26	24 27	1 30	10 59	2 6	22 58	0 28	4 22	1 12	11 38	2 37	12 3	0 45	14 42	0 12	8 3	17 21	16 33	16 10	18 54	17 24	5 45
S 6	22 29	9 41	2 21	24 39	1 35	11 23	2 6	23 4	0 29	4 26	1 12	11 37	2 36	12 2	0 45	14 43	0 12	8 3	17 21	16 34	16 9	18 55	17 24	5 45
S 7	22 36	13 47	1 6	24 50	1 40	11 47	2 6	23 9	0 29	4 29	1 12	11 36	2 36	12 2	0 45	14 43	0 12	8 3	17 21	16 34	16 8	18 55	17 23	5 45
M 8	22 42	17 7	0s15	25 0	1 44	12 10	2 6	23 14	0 30	4 32	1 12	11 35	2 36	12 1	0 45	14 43	0 12	8 3	17 20	16 34	16 7	18 56	17 23	5 45
T 9	22 48	19 18	1 37	25 8	1 48	12 34	2 5	23 19	0 30	4 36	1 12	11 34	2 36	12 1	0 45	14 43	0 12	8 3	17 20	16 34	16 6	18 56	17 23	5 45
W10	22 54	20 7	2 52	25 15	1 52	12 57	2 5	23 24	0 31	4 39	1 13	11 33	2 36	12 0	0 45	14 43	0 12	8 3	17 20	16 33	16 5	18 57	17 22	5 45
T 11	22 59	19 28	3 54	25 21	1 56	13 19	2 4	23 28	0 32	4 42	1 13	11 33	2 35	12 0	0 45	14 43	0 12	8 3	17 19	16 32	16 5	18 57	17 22	5 45
F 12	23 4	17 28	4 39	25 25	1 59	13 42	2 4	23 33	0 32	4 45	1 13	11 32	2 35	11 59	0 45	14 44	0 12	8 2	17 19	16 30	16 4	18 58	17 22	5 46
S 13	23 8	14 24	5 5	25 28	2 3	14 4	2 3	23 36	0 33	4 48	1 13	11 31	2 35	11 58	0 45	14 44	0 12	8 2	17 19	16 29	16 3	18 58	17 21	5 46
S 14	23 12	10 35	5 12	25 29	2 5	14 26	2 3	23 40	0 33	4 51	1 13	11 31	2 35	11 58	0 45	14 44	0 12	8 2	17 18	16 27	16 2	18 59	17 21	5 46
M15	23 15	6 21	5 0	25 29	2 8	14 48	2 2	23 44	0 34	4 54	1 14	11 30	2 34	11 57	0 45	14 44	0 12	8 2	17 18	16 26	16 1	18 59	17 21	5 46
T 16	23 18	1 57	4 33	25 28	2 10	15 9	2 1	23 47	0 34	4 57	1 14	11 29	2 34	11 56	0 45	14 45	0 12	8 2	17 18	16 25	16 0	19 0	17 20	5 46
W17	23 20	2s24	3 53	25 25	2 12	15 30	2 0	23 50	0 35	5 0	1 14	11 29	2 34	11 56	0 45	14 45	0 12	8 2	17 17	16 25	15 59	19 0	17 20	5 46
T 18	23 22	6 32	3 3	25 20	2 13	15 51	1 59	23 53	0 35	5 3	1 14	11 28	2 34	11 55	0 45	14 45	0 12	8 2	17 17	16 26	15 58	19 1	17 20	5 46
F 19	23 24	10 20	2 6	25 14	2 14	16 11	1 58	23 55	0 36	5 6	1 14	11 28	2 33	11 54	0 45	14 45	0 12	8 1	17 17	16 26	15 57	19 1	17 19	5 46
S 20	23 25	13 39	1 5	25 7	2 14	16 31	1 57	23 57	0 36	5 8	1 15	11 28	2 33	11 54	0 45	14 46	0 12	8 1	17 16	16 26	15 56	19 2	17 19	5 46
S 21	23 25	16 24	0 1	24 58	2 15	16 51	1 55	23 59	0 37	5 11	1 15	11 27	2 33	11 53	0 45	14 46	0 12	8 1	17 16	16 27	15 55	19 2	17 19	5 46
M22	23 26	18 27	1n 2	24 47	2 14	17 10	1 54	24 1	0 38	5 13	1 15	11 27	2 32	11 52	0 44	14 46	0 12	8 1	17 16	16 26	15 54	19 3	17 19	5 46
T 23	23 25	19 43	2 3	24 35	2 13	17 28	1 52	24 2	0 38	5 16	1 15	11 26	2 32	11 51	0 44	14 47	0 12	8 1	17 15	16 26	15 53	19 3	17 18	5 46
W24	23 24	20 7	2 59	24 22	2 12	17 47	1 51	24 4	0 39	5 18	1 15	11 26	2 32	11 50	0 44	14 47	0 12	8 0	17 15	16 24	15 52	19 4	17 18	5 46
T 25	23 23	19 37	3 47	24 7	2 9	18 4	1 49	24 5	0 39	5 21	1 16	11 26	2 32	11 50	0 44	14 47	0 12	8 0	17 15	16 22	15 51	19 4	17 18	5 46
F 26	23 21	18 13	4 25	23 51	2 7	18 22	1 48	24 5	0 40	5 23	1 16	11 26	2 31	11 49	0 44	14 48	0 12	8 0	17 14	16 19	15 50	19 4	17 18	5 46
S 27	23 19	15 59	4 52	23 33	2 3	18 39	1 46	24 6	0 40	5 26	1 16	11 25	2 31	11 48	0 44	14 48	0 12	8 0	17 14	16 16	15 49	19 5	17 17	5 46
S 28	23 16	12 59	5 5	23 14	1 59	18 55	1 44	24 6	0 41	5 28	1 16	11 25	2 31	11 47	0 44	14 48	0 12	7 59	17 14	16 13	15 48	19 5	17 17	5 46
M29	23 13	9 22	5 4	22 54	1 54	19 11	1 42	24 6	0 41	5 30	1 17	11 25	2 31	11 46	0 44	14 49	0 12	7 59	17 13	16 11	15 47	19 6	17 17	5 46
T 30	23 9	5 17	4 47	22 32	1 48	19 26	1 40	24 5	0 42	5 32	1 17	11 25	2 30	11 45	0 44	14 49	0 12	7 59	17 13	16 8	15 46	19 6	17 17	5 46
W31	23s 5	0s52	4n16	22s10	1s42	19s41	1n39	24s 5	0s42	5s34	1n17	11n25	2s30	11s45	0s44	14n50	0n12	7s58	17s12	16s 7	15s46	19s 7	17n17	5s46

Julian Day Number = 2483655.5, Delta T = 87.88 sec
Ecliptic obliquity = 23°25'33, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°58'07, Lahiri = 25°05'07