Astrodienst Ephemeris Tables

for the year 1887

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 1887
geocentric

JANUARY 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	6 41 19	10♑18'27	23♓54	20♐16	17♑13	6♒ 0	2♏16	19°R46	12♎22	25°R21	2°R26	29♌ 9	0♍35	15♓23	19°R55	S 1
S 2	6 45 15	11°19'37	5♈44	21°38	18°28	6°47	2°24	19♋41	12°23	25♉20	2♊25	29°R11	0°32	15°29	19♊52	S 2
M 3	6 49 12	12°20'47	17°41	23° 0	19°44	7°35	2°32	19°36	12°24	25°19	2°25	29°11	0°28	15°36	19°48	M 3
T 4	6 53 8	13°21'56	29°50	24°24	20°59	8°22	2°40	19°31	12°25	25°18	2°24	29° 9	0°25	15°43	19°45	T 4
W 5	6 57 5	14°23'05	12♉18	25°48	22°15	9° 9	2°47	19°26	12°25	25°17	2°23	29° 5	0°22	15°49	19°41	W 5
T 6	7 1 2	15°24'13	25° 7	27°14	23°30	9°56	2°55	19°21	12°26	25°16	2°22	29° 0	0°19	15°56	19°38	T 6
F 7	7 4 58	16°25'21	8♊20	28°40	24°46	10°44	3° 3	19°16	12°27	25°15	2°21	28°53	0°16	16° 3	19°35	F 7
S 8	7 8 55	17°26'29	21°58	0♑ 6	26° 1	11°31	3°10	19°11	12°27	25°14	2°21	28°46	0°13	16° 9	19°32	S 8
S 9	7 12 51	18°27'36	5♋58	1°34	27°16	12°18	3°17	19° 6	12°28	25°13	2°20	28°39	0° 9	16°16	19°28	S 9
M10	7 16 48	19°28'43	20°18	3° 1	28°32	13° 6	3°24	19° 1	12°28	25°12	2°19	28°33	0° 6	16°23	19°25	M10
T 11	7 20 44	20°29'50	4♌51	4°30	29°47	13°53	3°31	18°56	12°28	25°11	2°18	28°29	0° 3	16°29	19°22	T 11
W12	7 24 41	21°30'56	19°30	5°59	1♒ 2	14°40	3°38	18°51	12°29	25°11	2°18	28°27	29♌59	16°36	19°19	W12
T 13	7 28 37	22°32'03	4♍10	7°29	2°18	15°28	3°44	18°46	12°29	25°10	2°17	28°D27	29°57	16°43	19°16	T 13
F 14	7 32 34	23°33'08	18°43	8°59	3°33	16°15	3°51	18°42	12°29	25° 9	2°16	28°28	29°53	16°49	19°13	F 14
S 15	7 36 31	24°34'14	3♎ 7	10°30	4°48	17° 2	3°57	18°37	12°29	25° 8	2°16	28°30	29°50	16°56	19°10	S 15
S 16	7 40 27	25°35'19	17°17	12° 2	6° 4	17°50	4° 3	18°32	12°29	25° 8	2°15	28°31	29°47	17° 2	19° 7	S 16
M17	7 44 24	26°36'25	1♏14	13°34	7°19	18°37	4° 9	18°27	12°R29	25° 7	2°14	28°R31	29°44	17° 9	19° 5	M17
T 18	7 48 20	27°37'30	14°55	15° 6	8°34	19°25	4°15	18°22	12°29	25° 7	2°14	28°30	29°41	17°16	19° 2	T 18
W19	7 52 17	28°38'34	28°23	16°39	9°49	20°12	4°21	18°17	12°29	25° 6	2°13	28°27	29°38	17°22	18°59	W19
T 20	7 56 13	29°39'39	11♐36	18°13	11° 5	20°59	4°26	18°12	12°29	25° 5	2°13	28°23	29°34	17°29	18°57	T 20
F 21	8 0 10	0♒40'43	24°36	19°47	12°20	21°47	4°32	18° 8	12°29	25° 5	2°12	28°18	29°31	17°36	18°54	F 21
S 22	8 4 6	1°41'46	7♑23	21°22	13°35	22°34	4°37	18° 3	12°29	25° 4	2°12	28°14	29°28	17°42	18°52	S 22
S 23	8 8 3	2°42'49	19°57	22°57	14°51	23°22	4°42	17°58	12°28	25° 4	2°11	28° 9	29°25	17°49	18°49	S 23
M24	8 12 0	3°43'51	2♒19	24°33	16° 6	24° 9	4°47	17°53	12°28	25° 4	2°11	28° 6	29°22	17°56	18°47	M24
T 25	8 15 56	4°44'52	14°30	26°10	17°21	24°57	4°52	17°49	12°28	25° 3	2°10	28° 4	29°19	18° 2	18°45	T 25
W26	8 19 53	5°45'52	26°31	27°47	18°36	25°44	4°56	17°44	12°27	25° 3	2°10	28°D 3	29°15	18° 9	18°42	W26
T 27	8 23 49	6°46'51	8♓25	29°25	19°51	26°31	5° 1	17°40	12°27	25° 3	2° 9	28° 4	29°12	18°16	18°40	T 27
F 28	8 27 46	7°47'49	20°14	1♒ 3	21° 7	27°19	5° 5	17°35	12°26	25° 2	2° 9	28° 5	29° 9	18°22	18°38	F 28
S 29	8 31 42	8°48'46	2♈ 1	2°43	22°22	28° 6	5° 9	17°31	12°25	25° 2	2° 9	28° 7	29° 6	18°29	18°36	S 29
S 30	8 35 39	9°49'41	13°50	4°23	23°37	28°54	5°13	17°26	12°25	25° 2	2° 8	28° 8	29° 3	18°36	18°34	S 30
M31	8 39 35	10♒50'36	25♈46	6♒ 3	24♒52	29♒41	5♏16	17♋22	12♎24	25♑ 2	2♊ 8	28♌10	28♌59	18♓42	18♊32	M31

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	
S 1	23s 3	4s25	2s10	22s18	0n47	23s17	0s57	19s54	1s 9	11s 8	1n13	21n48	0s12	4s15	0n42	17n25	1s45	8n15	12s38	11n46	11n16	6s59	17n 5	6s 0	S 1
S 2	22 58	0 33	3 5	22 32	0 39	23 9	0 59	19 42	1 9	11 10	1 13	21 49	0 11	4 15	0 42	17 24	1 45	8 15	12 38	11 46	11 18	6 57	17 5	6 0	S 2
M 3	22 53	3n22	3 52	22 45	0 31	23 0	1 1	19 30	1 9	11 13	1 13	21 50	0 11	4 16	0 42	17 24	1 45	8 15	12 38	11 46	11 19	6 55	17 5	6 0	M 3
T 4	22 47	7 12	4 30	22 57	0 23	22 51	1 3	19 18	1 9	11 15	1 13	21 51	0 11	4 16	0 42	17 24	1 45	8 15	12 38	11 47	11 20	6 53	17 5	6 0	T 4
W 5	22 40	10 49	4 57	23 8	0 15	22 40	1 4	19 5	1 9	11 18	1 13	21 52	0 11	4 16	0 42	17 24	1 45	8 15	12 37	11 48	11 21	6 52	17 5	6 0	W 5
T 6	22 34	14 3	5 9	23 18	0 7	22 29	1 6	18 52	1 9	11 20	1 13	21 52	0 11	4 16	0 42	17 24	1 45	8 15	12 37	11 50	11 22	6 50	17 4	5 59	T 6
F 7	22 26	16 41	5 5	23 27	0s 0	22 18	1 8	18 39	1 8	11 23	1 14	21 53	0 11	4 17	0 42	17 23	1 45	8 15	12 37	11 52	11 23	6 48	17 4	5 59	F 7
S 8	22 19	18 28	4 45	23 35	0 8	22 5	1 9	18 26	1 8	11 25	1 14	21 54	0 11	4 17	0 42	17 23	1 45	8 16	12 37	11 55	11 24	6 46	17 4	5 59	S 8
S 9	22 11	19 12	4 7	23 42	0 15	21 52	1 11	18 12	1 8	11 27	1 14	21 55	0 11	4 17	0 42	17 23	1 45	8 16	12 37	11 57	11 25	6 44	17 4	5 59	S 9
M10	22 2	18 44	3 13	23 48	0 22	21 39	1 12	17 59	1 8	11 30	1 14	21 56	0 11	4 17	0 42	17 23	1 45	8 16	12 36	11 59	11 26	6 43	17 4	5 59	M10
T 11	21 53	17 2	2 5	23 52	0 30	21 24	1 14	17 45	1 7	11 32	1 14	21 56	0 11	4 17	0 42	17 23	1 45	8 16	12 36	12 0	11 28	6 41	17 4	5 59	T 11
W12	21 44	14 12	0 49	23 55	0 36	21 10	1 15	17 31	1 7	11 34	1 15	21 57	0 10	4 17	0 42	17 23	1 45	8 16	12 36	12 1	11 29	6 39	17 4	5 59	W12
T 13	21 34	10 28	0n31	23 57	0 43	20 54	1 16	17 16	1 7	11 36	1 15	21 58	0 10	4 17	0 42	17 23	1 44	8 16	12 36	12 1	11 30	6 37	17 4	5 58	T 13
F 14	21 24	6 8	1 49	23 58	0 50	20 38	1 18	17 2	1 7	11 38	1 15	21 59	0 10	4 17	0 42	17 22	1 44	8 16	12 35	12 1	11 31	6 35	17 4	5 58	F 14
S 15	21 13	1 29	2 58	23 58	0 56	20 21	1 19	16 48	1 6	11 40	1 15	22 0	0 10	4 17	0 42	17 22	1 44	8 16	12 35	12 0	11 32	6 34	17 4	5 58	S 15
S 16	21 2	3s 9	3 56	23 56	1 2	20 4	1 20	16 33	1 6	11 42	1 15	22 0	0 10	4 17	0 42	17 22	1 44	8 16	12 35	12 0	11 33	6 32	17 4	5 58	S 16
M17	20 51	7 33	4 39	23 53	1 8	19 46	1 21	16 18	1 6	11 44	1 16	22 1	0 10	4 17	0 42	17 22	1 44	8 17	12 35	12 0	11 34	6 30	17 4	5 58	M17
T 18	20 39	11 28	5 5	23 49	1 13	19 27	1 22	16 3	1 6	11 45	1 16	22 2	0 10	4 17	0 42	17 22	1 44	8 17	12 34	12 0	11 35	6 28	17 4	5 57	T 18
W19	20 27	14 43	5 13	23 43	1 19	19 8	1 23	15 47	1 5	11 47	1 16	22 3	0 10	4 17	0 42	17 22	1 44	8 17	12 34	12 1	11 37	6 26	17 4	5 57	W19
T 20	20 14	17 9	5 5	23 36	1 24	18 48	1 24	15 32	1 5	11 49	1 16	22 3	0 10	4 17	0 42	17 22	1 44	8 17	12 34	12 3	11 38	6 24	17 4	5 57	T 20
F 21	20 1	18 40	4 41	23 27	1 29	18 28	1 25	15 16	1 5	11 50	1 16	22 4	0 9	4 17	0 42	17 22	1 44	8 17	12 34	12 4	11 39	6 23	17 4	5 57	F 21
S 22	19 48	19 12	4 4	23 17	1 33	18 7	1 26	15 1	1 4	11 52	1 17	22 5	0 9	4 17	0 42	17 22	1 44	8 17	12 33	12 6	11 40	6 21	17 4	5 56	S 22
S 23	19 34	18 46	3 15	23 6	1 38	17 46	1 27	14 45	1 4	11 53	1 17	22 6	0 9	4 17	0 42	17 22	1 44	8 17	12 33	12 7	11 41	6 19	17 4	5 56	S 23
M24	19 20	17 26	2 17	22 53	1 42	17 24	1 27	14 29	1 4	11 55	1 17	22 6	0 9	4 17	0 43	17 22	1 44	8 18	12 33	12 8	11 42	6 17	17 4	5 56	M24
T 25	19 5	15 19	1 14	22 39	1 46	17 2	1 28	14 13	1 3	11 56	1 17	22 7	0 9	4 16	0 43	17 22	1 44	8 18	12 33	12 9	11 43	6 15	17 4	5 56	T 25
W26	18 50	12 33	0 8	22 24	1 49	16 39	1 28	13 56	1 3	11 58	1 17	22 8	0 9	4 16	0 43	17 22	1 44	8 18	12 32	12 9	11 44	6 13	17 4	5 55	W26
T 27	18 35	9 18	0s57	22 7	1 52	16 16	1 29	13 40	1 3	11 59	1 18	22 8	0 9	4 16	0 43	17 22	1 44	8 18	12 32	12 9	11 45	6 12	17 4	5 55	T 27
F 28	18 20	5 42	2 0	21 48	1 55	15 53	1 29	13 23	1 2	12 0	1 18	22 9	0 9	4 16	0 43	17 22	1 44	8 18	12 32	12 9	11 47	6 10	17 4	5 55	F 28
S 29	18 4	1 54	2 57	21 28	1 58	15 29	1 30	13 7	1 2	12 1	1 18	22 10	0 8	4 15	0 43	17 22	1 44	8 19	12 31	12 8	11 48	6 8	17 4	5 55	S 29
S 30	17 48	1n58	3 47	21 7	2 0	15 4	1 30	12 50	1 2	12 2	1 18	22 11	0 8	4 15	0 43	17 22	1 43	8 19	12 31	12 8	11 49	6 6	17 5	5 54	S 30
M31	17s31	5n48	4s28	20s44	2s 2	14s39	1s30	12s33	1s 1	12s 3	1n18	22n11	0s 8	4s15	0n43	17n22	1s43	8n19	12s31	12n 7	11n50	6s 4	17n 5	5s54	M31

Julian Day Number = 2410272.5, Delta T = -4.17 sec
Ecliptic obliquity = 23°27'06, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°09'44, Lahiri = 22°16'45

ASTRODIENST EPHEMERIS for the year 1887
geocentric

FEBRUARY 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	8 43 32	11♒51'29	7♉53	7♒44	26♒ 7	0♓28	5♏20	17°R18	12°R23	25°R 2	2°R 8	28°R10	28♌56	18♓49	18°R31	T 1
W 2	8 47 29	12°52'21	20°17	9°26	27°22	1°16	5°23	17♎13	12♑22	25♉ 1	2♊ 7	28♌10	28°53	18°56	18♊29	W 2
T 3	8 51 25	13°53'11	3♊ 1	11° 9	28°37	2° 3	5°27	17° 9	12°21	25° 1	2° 7	28° 9	28°50	19° 2	18°27	T 3
F 4	8 55 22	14°54'00	16°10	12°53	29°52	2°50	5°30	17° 5	12°20	25°D 1	2° 7	28° 8	28°47	19° 9	18°26	F 4
S 5	8 59 18	15°54'48	29°45	14°37	1♓ 7	3°38	5°32	17° 1	12°19	25° 1	2° 7	28° 6	28°44	19°16	18°24	S 5
S 6	9 3 15	16°55'34	13♎47	16°22	2°22	4°25	5°35	16°57	12°18	25° 1	2° 6	28° 5	28°40	19°22	18°23	S 6
M 7	9 7 11	17°56'18	28°14	18° 8	3°37	5°12	5°37	16°53	12°17	25° 2	2° 6	28° 3	28°37	19°29	18°22	M 7
T 8	9 11 8	18°57'02	13♌ 0	19°54	4°52	6° 0	5°40	16°49	12°16	25° 2	2° 6	28° 3	28°34	19°36	18°20	T 8
W 9	9 15 4	19°57'44	28° 0	21°42	6° 7	6°47	5°42	16°46	12°15	25° 2	2° 6	28°D 2	28°31	19°42	18°19	W 9
T 10	9 19 1	20°58'24	13♍ 4	23°29	7°22	7°34	5°44	16°42	12°13	25° 2	2° 6	28° 3	28°28	19°49	18°18	T 10
F 11	9 22 58	21°59'03	28° 3	25°18	8°37	8°22	5°46	16°39	12°12	25° 2	2° 6	28° 3	28°24	19°55	18°17	F 11
S 12	9 26 54	22°59'41	12♎51	27° 7	9°52	9° 9	5°47	16°35	12°11	25° 2	2° 6	28° 4	28°21	20° 2	18°16	S 12
S 13	9 30 51	24° 0'18	27°20	28°57	11° 7	9°56	5°48	16°32	12° 9	25° 3	2° 6	28° 4	28°18	20° 9	18°15	S 13
M14	9 34 47	25° 0'54	11♏28	0♓47	12°21	10°43	5°50	16°28	12° 8	25° 3	2° 6	28° 4	28°15	20°15	18°15	M14
T 15	9 38 44	26° 1'29	25°13	2°38	13°36	11°30	5°51	16°25	12° 6	25° 3	2°D 6	28°R 4	28°12	20°22	18°14	T 15
W16	9 42 40	27° 2'02	8♐36	4°29	14°51	12°18	5°51	16°22	12° 5	25° 4	2° 6	28° 4	28° 9	20°29	18°13	W16
T 17	9 46 37	28° 2'35	21°39	6°21	16° 6	13° 5	5°52	16°19	12° 3	25° 4	2° 6	28°D 4	28° 5	20°35	18°13	T 17
F 18	9 50 33	29° 3'06	4♑24	8°12	17°20	13°52	5°52	16°16	12° 2	25° 5	2° 6	28° 4	28° 2	20°42	18°12	F 18
S 19	9 54 30	0♓ 3'35	16°53	10° 3	18°35	14°39	5°53	16°13	12° 0	25° 5	2° 6	28° 5	27°59	20°49	18°12	S 19
S 20	9 58 27	1° 4'03	29°10	11°53	19°50	15°26	5°R53	16°10	11°58	25° 6	2° 6	28° 5	27°56	20°55	18°12	S 20
M21	10 2 23	2° 4'30	11♒16	13°43	21° 4	16°13	5°53	16° 7	11°57	25° 6	2° 6	28° 5	27°53	21° 2	18°11	M21
T 22	10 6 20	3° 4'55	23°15	15°32	22°19	17° 0	5°52	16° 5	11°55	25° 7	2° 6	28°R 5	27°50	21° 9	18°11	T 22
W23	10 10 16	4° 5'19	5♓ 8	17°20	23°34	17°47	5°52	16° 2	11°53	25° 7	2° 6	28° 5	27°46	21°15	18°D11	W23
T 24	10 14 13	5° 5'41	16°58	19° 6	24°48	18°34	5°51	16° 0	11°51	25° 8	2° 6	28° 5	27°43	21°22	18°11	T 24
F 25	10 18 9	6° 6'01	28°46	20°49	26° 3	19°21	5°50	15°58	11°49	25° 9	2° 7	28° 4	27°40	21°29	18°11	F 25
S 26	10 22 6	7° 6'19	10♈34	22°30	27°17	20° 8	5°49	15°56	11°47	25°10	2° 7	28° 3	27°37	21°35	18°12	S 26
S 27	10 26 2	8° 6'35	22°26	24° 8	28°32	20°55	5°48	15°53	11°45	25°10	2° 7	28° 2	27°34	21°42	18°12	S 27
M28	10 29 59	9♓ 6'50	4♉25	25♓42	29♓46	21♓42	5♏46	15♎51	11♑43	25♉11	2♊ 7	28♌ 0	27♌30	21♓49	18♊12	M28

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	17s15	9n27	4s57	20s19	2s 3	14s14	1s30	12s16	1s 1	12s 4	1n19	22n12	0s 8	4s14	0n43	17n22	1s43	8n19	12s31	12n 7	11n51	6s 2	17n 5	5s54
W 2	16 57	12 47	5 14	19 53	2 4	13 48	1 30	11 59	1 1	12 5	1 19	22 13	0 8	4 14	0 43	17 22	1 43	8 20	12 30	12 7	11 52	6 1	17 5	5 53
T 3	16 40	15 36	5 16	19 26	2 5	13 22	1 30	11 41	1 0	12 6	1 19	22 13	0 8	4 14	0 43	17 22	1 43	8 20	12 30	12 7	11 53	5 59	17 5	5 53
F 4	16 22	17 44	5 2	18 57	2 5	12 56	1 30	11 24	1 0	12 7	1 19	22 14	0 8	4 13	0 43	17 22	1 43	8 20	12 30	12 8	11 54	5 57	17 5	5 53
S 5	16 4	18 57	4 30	18 27	2 5	12 29	1 30	11 6	1 0	12 8	1 19	22 14	0 8	4 13	0 43	17 22	1 43	8 20	12 29	12 8	11 55	5 55	17 6	5 52
S 6	15 46	19 4	3 42	17 55	2 4	12 2	1 30	10 49	0 59	12 8	1 20	22 15	0 8	4 12	0 43	17 22	1 43	8 20	12 29	12 9	11 57	5 53	17 6	5 52
M 7	15 28	17 57	2 38	17 21	2 3	11 35	1 30	10 31	0 59	12 9	1 20	22 16	0 7	4 12	0 43	17 22	1 43	8 21	12 29	12 9	11 58	5 51	17 6	5 52
T 8	15 9	15 36	1 23	16 46	2 1	11 7	1 29	10 13	0 58	12 9	1 20	22 16	0 7	4 11	0 43	17 22	1 43	8 21	12 29	12 10	11 59	5 49	17 6	5 51
W 9	14 50	12 10	0 0	16 10	1 59	10 39	1 29	9 55	0 58	12 10	1 20	22 17	0 7	4 11	0 43	17 22	1 43	8 21	12 28	12 10	12 0	5 48	17 6	5 51
T 10	14 31	7 56	1n23	15 32	1 57	10 11	1 29	9 37	0 57	12 10	1 20	22 17	0 7	4 10	0 43	17 22	1 43	8 22	12 28	12 10	12 1	5 46	17 7	5 51
F 11	14 11	3 13	2 39	14 53	1 54	9 42	1 28	9 19	0 57	12 11	1 21	22 18	0 7	4 10	0 43	17 22	1 43	8 22	12 28	12 9	12 2	5 44	17 7	5 50
S 12	13 52	1s38	3 44	14 12	1 50	9 14	1 27	9 1	0 57	12 11	1 21	22 18	0 7	4 9	0 43	17 23	1 43	8 22	12 27	12 9	12 3	5 42	17 7	5 50
S 13	13 32	6 16	4 34	13 30	1 46	8 45	1 27	8 43	0 56	12 11	1 21	22 19	0 7	4 9	0 43	17 23	1 43	8 22	12 27	12 9	12 4	5 40	17 7	5 50
M14	13 11	10 27	5 5	12 46	1 41	8 15	1 26	8 25	0 56	12 11	1 21	22 20	0 7	4 8	0 43	17 23	1 43	8 23	12 27	12 9	12 5	5 38	17 8	5 49
T 15	12 51	13 56	5 18	12 2	1 36	7 46	1 25	8 6	0 55	12 12	1 22	22 20	0 7	4 8	0 43	17 23	1 42	8 23	12 27	12 9	12 6	5 36	17 8	5 49
W16	12 30	16 36	5 13	11 16	1 30	7 16	1 24	7 48	0 55	12 12	1 22	22 21	0 6	4 7	0 43	17 23	1 42	8 23	12 26	12 9	12 8	5 35	17 8	5 49
T 17	12 10	18 20	4 52	10 29	1 23	6 46	1 24	7 29	0 54	12 12	1 22	22 21	0 6	4 6	0 43	17 23	1 42	8 23	12 26	12 9	12 9	5 33	17 9	5 48
F 18	11 49	19 6	4 17	9 40	1 16	6 16	1 23	7 11	0 54	12 12	1 22	22 21	0 6	4 6	0 43	17 23	1 42	8 24	12 26	12 9	12 10	5 31	17 9	5 48
S 19	11 27	18 55	3 30	8 51	1 8	5 46	1 21	6 52	0 54	12 11	1 22	22 22	0 6	4 5	0 43	17 24	1 42	8 24	12 25	12 9	12 11	5 29	17 9	5 48
S 20	11 6	17 49	2 34	8 1	0 59	5 16	1 20	6 34	0 53	12 11	1 23	22 22	0 6	4 4	0 43	17 24	1 42	8 24	12 25	12 9	12 12	5 27	17 10	5 47
M21	10 44	15 56	1 32	7 10	0 50	4 45	1 19	6 15	0 53	12 11	1 23	22 23	0 6	4 4	0 43	17 24	1 42	8 25	12 25	12 9	12 13	5 25	17 10	5 47
T 22	10 23	13 21	0 27	6 19	0 40	4 15	1 18	5 56	0 52	12 11	1 23	22 23	0 6	4 3	0 43	17 24	1 42	8 25	12 24	12 9	12 14	5 23	17 10	5 47
W23	10 1	10 14	0s39	5 28	0 30	3 44	1 17	5 37	0 52	12 10	1 23	22 24	0 6	4 2	0 43	17 24	1 42	8 25	12 24	12 9	12 15	5 21	17 11	5 46
T 24	9 39	6 44	1 43	4 36	0 18	3 13	1 15	5 18	0 51	12 10	1 23	22 24	0 6	4 1	0 43	17 25	1 42	8 26	12 24	12 9	12 16	5 20	17 11	5 46
F 25	9 17	2 58	2 42	3 45	0 7	2 42	1 14	5 0	0 51	12 9	1 24	22 24	0 5	4 1	0 43	17 25	1 42	8 26	12 24	12 9	12 17	5 18	17 11	5 45
S 26	8 54	0n54	3 35	2 53	0n 6	2 11	1 12	4 41	0 50	12 9	1 24	22 25	0 5	4 0	0 43	17 25	1 42	8 26	12 23	12 9	12 18	5 16	17 12	5 45
S 27	8 32	4 44	4 18	2 3	0 18	1 40	1 11	4 22	0 50	12 8	1 24	22 25	0 5	3 59	0 43	17 25	1 42	8 27	12 23	12 10	12 20	5 14	17 12	5 45
M28	8s 9	8n26	4s51	1s14	0n32	1s 9	1s 9	4s 3	0s49	12s 8	1n24	22n26	0s 5	3s58	0n43	17n26	1s42	8n27	12s23	12n10	12n21	5s12	17n13	5s44

Julian Day Number = 2410303.5, Delta T = -4.15 sec
Ecliptic obliquity = 23°27'06, Nutation = - 0°00'08, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°09'48, Lahiri = 22°16'49

ASTRODIENST EPHEMERIS for the year 1887
geocentric

MARCH 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	10 33 56	10♓ 7'02	16♉33	27♓12	1♈ 0	22♓29	5°R44	15°R50	11°R41	25♉12	2♊ 8	27°R59	27♌27	21♓55	18♊13	T 1
W 2	10 37 52	11° 7'12	28°55	28°37	2°15	23°16	5♏43	15♋48	11♎39	25°13	2° 8	27♌58	27°24	22° 2	18°13	W 2
T 3	10 41 49	12° 7'21	11♊34	29°56	3°29	24° 2	5°41	15°46	11°37	25°14	2° 8	27°D57	27°21	22° 9	18°14	T 3
F 4	10 45 45	13° 7'27	24°35	1♈ 9	4°43	24°49	5°38	15°45	11°35	25°15	2° 9	27°58	27°18	22°15	18°15	F 4
S 5	10 49 42	14° 7'31	8♋ 0	2°16	5°58	25°36	5°36	15°43	11°33	25°16	2° 9	27°59	27°15	22°22	18°15	S 5
S 6	10 53 38	15° 7'33	21°52	3°15	7°12	26°23	5°33	15°42	11°30	25°17	2° 9	28° 0	27°11	22°29	18°16	S 6
M 7	10 57 35	16° 7'33	6♌11	4° 7	8°26	27° 9	5°31	15°41	11°28	25°18	2°10	28° 1	27° 8	22°35	18°17	M 7
T 8	11 1 31	17° 7'31	20°54	4°51	9°40	27°56	5°28	15°39	11°26	25°19	2°10	28°R 2	27° 5	22°42	18°18	T 8
W 9	11 5 28	18° 7'26	5♍56	5°26	10°54	28°42	5°25	15°38	11°24	25°20	2°11	28° 2	27° 2	22°49	18°19	W 9
T 10	11 9 24	19° 7'20	21°10	5°53	12° 8	29°29	5°21	15°37	11°21	25°21	2°11	28° 1	26°59	22°55	18°21	T 10
F 11	11 13 21	20° 7'11	6♎25	6°11	13°22	0♈16	5°18	15°37	11°19	25°22	2°12	27°59	26°56	23° 2	18°22	F 11
S 12	11 17 18	21° 7'01	21°31	6°21	14°36	1° 2	5°14	15°36	11°17	25°23	2°12	27°56	26°52	23° 9	18°23	S 12
S 13	11 21 14	22° 6'49	6♏20	6°R22	15°50	1°49	5°10	15°35	11°14	25°24	2°13	27°52	26°49	23°15	18°25	S 13
M14	11 25 11	23° 6'35	20°44	6°14	17° 4	2°35	5° 6	15°35	11°12	25°25	2°13	27°49	26°46	23°22	18°26	M14
T 15	11 29 7	24° 6'20	4♐41	5°58	18°18	3°21	5° 2	15°35	11° 9	25°27	2°14	27°47	26°43	23°29	18°28	T 15
W16	11 33 4	25° 6'03	18°10	5°35	19°32	4° 8	4°58	15°34	11° 7	25°28	2°15	27°45	26°40	23°35	18°29	W16
T 17	11 37 0	26° 5'44	1♑13	5° 4	20°46	4°54	4°54	15°34	11° 4	25°29	2°15	27°D45	26°36	23°42	18°31	T 17
F 18	11 40 57	27° 5'24	13°53	4°27	21°59	5°40	4°49	15°D34	11° 2	25°31	2°16	27°46	26°33	23°48	18°33	F 18
S 19	11 44 53	28° 5'02	26°15	3°45	23°13	6°27	4°44	15°34	11° 0	25°32	2°17	27°48	26°30	23°55	18°35	S 19
S 20	11 48 50	29° 4'38	8♒22	2°58	24°27	7°13	4°39	15°34	10°57	25°33	2°17	27°50	26°27	24° 2	18°37	S 20
M21	11 52 47	0♈ 4'12	20°19	2° 8	25°40	7°59	4°34	15°35	10°54	25°35	2°18	27°51	26°24	24° 8	18°39	M21
T 22	11 56 43	1° 3'44	2♓10	1°16	26°54	8°45	4°29	15°35	10°52	25°36	2°19	27°R51	26°21	24°15	18°41	T 22
W23	12 0 40	2° 3'15	13°58	0°23	28° 7	9°31	4°24	15°36	10°49	25°38	2°19	27°50	26°17	24°22	18°43	W23
T 24	12 4 36	3° 2'43	25°45	29♓29	29°21	10°17	4°18	15°36	10°47	25°39	2°20	27°47	26°14	24°28	18°45	T 24
F 25	12 8 33	4° 2'09	7♈35	28°37	0♉34	11° 3	4°12	15°37	10°44	25°41	2°21	27°42	26°11	24°35	18°48	F 25
S 26	12 12 29	5° 1'34	19°28	27°47	1°48	11°49	4° 7	15°38	10°42	25°42	2°22	27°35	26° 8	24°42	18°50	S 26
S 27	12 16 26	6° 0'56	1♉27	27° 0	3° 1	12°35	4° 1	15°39	10°39	25°44	2°23	27°28	26° 5	24°48	18°52	S 27
M28	12 20 22	7° 0'16	13°32	26°16	4°14	13°21	3°55	15°40	10°37	25°46	2°23	27°21	26° 1	24°55	18°55	M28
T 29	12 24 19	7°59'34	25°48	25°37	5°27	14° 7	3°48	15°41	10°34	25°47	2°24	27°14	25°58	25° 2	18°58	T 29
W30	12 28 16	8°58'50	8♊14	25° 3	6°41	14°53	3°42	15°43	10°31	25°49	2°25	27° 9	25°55	25° 8	19° 0	W30
T 31	12 32 12	9♈58'03	20♊55	24♓34	7♉54	15♈38	3♏36	15♋44	10♎29	25♉50	2♊26	27♌ 5	25♌52	25♓15	19♊ 3	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	7s47	11n49	5s11	0s26	0n45	0s38	1s 7	3s44	0s49	12s 7	1n24	22n26	0s 5	3s57	0n43	17n26	1s42	8n27	12s22	12n11	12n22	5s10	17n13	5s44
W 2	7 24	14 46	5 17	0n21	0 59	0 7	1 6	3 25	0 48	12 6	1 25	22 26	0 5	3 57	0 44	17 26	1 42	8 28	12 22	12 11	12 23	5 8	17 13	5 44
T 3	7 1	17 6	5 8	1 5	1 13	0n25	1 4	3 6	0 48	12 5	1 25	22 26	0 5	3 56	0 44	17 26	1 42	8 28	12 22	12 11	12 24	5 6	17 14	5 43
F 4	6 38	18 37	4 44	1 47	1 27	0 56	1 2	2 47	0 47	12 4	1 25	22 27	0 5	3 55	0 44	17 27	1 41	8 28	12 22	12 11	12 25	5 4	17 14	5 43
S 5	6 15	19 10	4 3	2 27	1 41	1 27	1 0	2 28	0 47	12 3	1 25	22 27	0 5	3 54	0 44	17 27	1 41	8 29	12 21	12 11	12 26	5 3	17 15	5 42
S 6	5 52	18 36	3 7	3 3	1 55	1 58	0 58	2 9	0 46	12 2	1 25	22 27	0 4	3 53	0 44	17 27	1 41	8 29	12 21	12 11	12 27	5 1	17 15	5 42
M 7	5 29	16 50	1 58	3 36	2 9	2 29	0 56	1 50	0 45	12 1	1 26	22 28	0 4	3 52	0 44	17 27	1 41	8 29	12 21	12 10	12 28	4 59	17 16	5 42
T 8	5 5	13 55	0 39	4 6	2 22	3 0	0 54	1 31	0 45	12 0	1 26	22 28	0 4	3 51	0 44	17 28	1 41	8 30	12 20	12 10	12 29	4 57	17 16	5 41
W 9	4 42	10 1	0n44	4 31	2 34	3 31	0 52	1 12	0 44	11 59	1 26	22 28	0 4	3 50	0 44	17 28	1 41	8 30	12 20	12 10	12 30	4 55	17 17	5 41
T 10	4 18	5 25	2 4	4 53	2 46	4 2	0 50	0 53	0 44	11 58	1 26	22 28	0 4	3 50	0 44	17 28	1 41	8 31	12 20	12 10	12 32	4 53	17 17	5 41
F 11	3 55	0 27	3 16	5 10	2 57	4 33	0 48	0 34	0 43	11 56	1 26	22 28	0 4	3 49	0 44	17 29	1 41	8 31	12 20	12 11	12 33	4 51	17 18	5 40
S 12	3 31	4s28	4 14	5 22	3 6	5 4	0 45	0 15	0 43	11 55	1 27	22 29	0 4	3 48	0 44	17 29	1 41	8 31	12 19	12 12	12 34	4 49	17 18	5 40
S 13	3 8	9 1	4 53	5 30	3 15	5 34	0 43	0n 4	0 42	11 53	1 27	22 29	0 4	3 47	0 44	17 29	1 41	8 32	12 19	12 13	12 35	4 47	17 18	5 40
M14	2 44	12 55	5 12	5 34	3 22	6 5	0 41	0 23	0 42	11 52	1 27	22 29	0 4	3 46	0 44	17 30	1 41	8 32	12 19	12 14	12 36	4 45	17 19	5 39
T 15	2 21	15 58	5 13	5 33	3 27	6 35	0 38	0 42	0 41	11 50	1 27	22 29	0 3	3 45	0 44	17 30	1 41	8 32	12 18	12 15	12 37	4 43	17 19	5 39
W16	1 57	18 1	4 55	5 27	3 31	7 6	0 36	1 1	0 41	11 49	1 27	22 29	0 3	3 44	0 44	17 30	1 41	8 33	12 18	12 16	12 38	4 42	17 20	5 38
T 17	1 33	19 4	4 23	5 16	3 33	7 36	0 33	1 20	0 40	11 47	1 27	22 29	0 3	3 43	0 44	17 31	1 41	8 33	12 18	12 16	12 39	4 40	17 20	5 38
F 18	1 9	19 6	3 39	5 2	3 33	8 6	0 31	1 39	0 39	11 46	1 27	22 29	0 3	3 42	0 44	17 31	1 41	8 34	12 18	12 15	12 40	4 38	17 21	5 38
S 19	0 46	18 13	2 45	4 44	3 32	8 35	0 28	1 58	0 39	11 44	1 28	22 30	0 3	3 41	0 44	17 32	1 41	8 34	12 17	12 15	12 41	4 36	17 21	5 37
S 20	0 22	16 30	1 45	4 22	3 28	9 5	0 26	2 17	0 38	11 42	1 28	22 30	0 3	3 40	0 44	17 32	1 41	8 34	12 17	12 14	12 42	4 34	17 22	5 37
M21	0n 2	14 4	0 41	3 57	3 23	9 34	0 23	2 35	0 38	11 40	1 28	22 30	0 3	3 39	0 44	17 32	1 41	8 35	12 17	12 14	12 43	4 32	17 22	5 37
T 22	0 25	11 5	0s24	3 30	3 16	10 3	0 20	2 54	0 37	11 38	1 28	22 30	0 3	3 38	0 44	17 33	1 40	8 35	12 17	12 14	12 45	4 30	17 23	5 36
W23	0 49	7 39	1 27	3 0	3 7	10 32	0 18	3 13	0 37	11 36	1 28	22 30	0 3	3 37	0 44	17 33	1 40	8 36	12 16	12 14	12 46	4 28	17 24	5 36
T 24	1 13	3 56	2 27	2 29	2 56	11 1	0 15	3 31	0 36	11 34	1 28	22 30	0 2	3 36	0 44	17 33	1 40	8 36	12 16	12 15	12 47	4 26	17 24	5 36
F 25	1 36	0 3	3 20	1 58	2 45	11 29	0 12	3 50	0 35	11 32	1 28	22 30	0 2	3 35	0 44	17 34	1 40	8 36	12 16	12 17	12 48	4 24	17 25	5 35
S 26	2 0	3n51	4 5	1 26	2 32	11 57	0 9	4 9	0 35	11 30	1 29	22 30	0 2	3 34	0 44	17 34	1 40	8 37	12 16	12 19	12 49	4 22	17 25	5 35
S 27	2 23	7 37	4 39	0 55	2 18	12 25	0 7	4 27	0 34	11 28	1 29	22 30	0 2	3 33	0 44	17 35	1 40	8 37	12 15	12 21	12 50	4 20	17 26	5 35
M28	2 47	11 7	5 1	0 24	2 3	12 53	0 4	4 45	0 34	11 26	1 29	22 30	0 2	3 32	0 44	17 35	1 40	8 37	12 15	12 24	12 51	4 18	17 26	5 34
T 29	3 10	14 12	5 10	0s 6	1 48	13 20	0 1	5 4	0 33	11 24	1 29	22 30	0 2	3 31	0 44	17 36	1 40	8 38	12 15	12 26	12 52	4 16	17 27	5 34
W30	3 34	16 41	5 4	0 34	1 32	13 47	0n 2	5 22	0 32	11 22	1 29	22 30	0 2	3 30	0 44	17 36	1 40	8 38	12 15	12 28	12 53	4 15	17 27	5 34
T 31	3n57	18n25	4s44	1s 0	1n16	14n14	0n 5	5n40	0s32	11s20	1n29	22n30	0s 2	3s29	0n44	17n36	1s40	8n39	12s14	12n29	12n54	4s13	17n28	5s33

Julian Day Number = 2410331.5, Delta T = -4.14 sec
Ecliptic obliquity = 23°27'07, Nutation = - 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°09'52, Lahiri = 22°16'53

ASTRODIENST EPHEMERIS for the year 1887
geocentric

APRIL 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	12 36 9	10♈57'14	3♋53	24°R10	9♉ 7	16♈24	3°R29	15♋46	10°R26	25♉52	2♊27	27°R 3	25♌49	25♓22	19♊ 6	F 1
S 2	12 40 5	11°56'23	17°11	23♓52	10°20	17°10	3♏23	15°47	10♎24	25°54	2°28	27°D 3	25°46	25°28	19° 9	S 2
S 3	12 44 2	12°55'30	0♌51	23°40	11°33	17°55	3°16	15°49	10°21	25°56	2°29	27♌ 4	25°42	25°35	19°12	S 3
M 4	12 47 58	13°54'34	14°55	23°33	12°46	18°41	3° 9	15°51	10°18	25°57	2°30	27° 5	25°39	25°42	19°15	M 4
T 5	12 51 55	14°53'36	29°24	23°D31	13°58	19°26	3° 2	15°53	10°16	25°59	2°31	27°R 5	25°36	25°48	19°18	T 5
W 6	12 55 51	15°52'35	14♍13	23°35	15°11	20°12	2°55	15°55	10°13	26° 1	2°32	27° 4	25°33	25°55	19°21	W 6
T 7	12 59 48	16°51'32	29°18	23°45	16°24	20°57	2°48	15°57	10°11	26° 3	2°32	27° 1	25°30	26° 2	19°24	T 7
F 8	13 3 44	17°50'28	14♎30	23°59	17°37	21°43	2°41	15°59	10° 8	26° 5	2°33	26°55	25°27	26° 8	19°28	F 8
S 9	13 7 41	18°49'21	29°39	24°19	18°49	22°28	2°34	16° 2	10° 6	26° 6	2°35	26°48	25°23	26°15	19°31	S 9
S 10	13 11 38	19°48'12	14♏35	24°43	20° 2	23°13	2°27	16° 4	10° 3	26° 8	2°36	26°40	25°20	26°22	19°34	S 10
M11	13 15 34	20°47'01	29° 9	25°11	21°14	23°58	2°19	16° 7	10° 0	26°10	2°37	26°32	25°17	26°28	19°38	M11
T 12	13 19 31	21°45'49	13♐16	25°44	22°27	24°44	2°12	16° 9	9°58	26°12	2°38	26°25	25°14	26°35	19°41	T 12
W13	13 23 27	22°44'35	26°53	26°21	23°39	25°29	2° 5	16°12	9°55	26°14	2°39	26°20	25°11	26°42	19°45	W13
T 14	13 27 24	23°43'19	10♑ 2	27° 1	24°51	26°14	1°57	16°15	9°53	26°16	2°40	26°17	25° 7	26°48	19°49	T 14
F 15	13 31 20	24°42'01	22°45	27°46	26° 4	26°59	1°50	16°18	9°50	26°18	2°41	26°D16	25° 4	26°55	19°52	F 15
S 16	13 35 17	25°40'42	5♒ 7	28°34	27°16	27°44	1°42	16°21	9°48	26°20	2°42	26°16	25° 1	27° 2	19°56	S 16
S 17	13 39 13	26°39'21	17°12	29°25	28°28	28°29	1°34	16°24	9°46	26°22	2°43	26°17	24°58	27° 8	20° 0	S 17
M18	13 43 10	27°37'58	29° 6	0♈19	29°40	29°14	1°27	16°27	9°43	26°24	2°44	26°R17	24°55	27°15	20° 4	M18
T 19	13 47 7	28°36'34	10♓54	1°17	0♊52	29°58	1°19	16°31	9°41	26°26	2°45	26°16	24°52	27°22	20° 8	T 19
W20	13 51 3	29°35'08	22°41	2°17	2° 4	0♉43	1°11	16°34	9°38	26°28	2°47	26°13	24°48	27°28	20°12	W20
T 21	13 55 0	0♉33'40	4♈29	3°20	3°16	1°28	1° 4	16°38	9°36	26°30	2°48	26° 7	24°45	27°35	20°16	T 21
F 22	13 58 56	1°32'10	16°23	4°26	4°28	2°13	0°56	16°41	9°34	26°32	2°49	25°58	24°42	27°42	20°20	F 22
S 23	14 2 53	2°30'39	28°23	5°34	5°39	2°57	0°48	16°45	9°31	26°34	2°50	25°47	24°39	27°48	20°24	S 23
S 24	14 6 49	3°29'05	10♉32	6°45	6°51	3°42	0°41	16°49	9°29	26°36	2°51	25°35	24°36	27°55	20°28	S 24
M25	14 10 46	4°27'30	22°51	7°58	8° 3	4°26	0°33	16°53	9°27	26°38	2°53	25°23	24°32	28° 2	20°32	M25
T 26	14 14 42	5°25'53	5♊19	9°14	9°14	5°11	0°25	16°57	9°24	26°41	2°54	25°11	24°29	28° 8	20°37	T 26
W27	14 18 39	6°24'14	17°59	10°31	10°26	5°55	0°18	17° 1	9°22	26°43	2°55	25° 1	24°26	28°15	20°41	W27
T 28	14 22 36	7°22'33	0♋50	11°51	11°37	6°40	0°10	17° 5	9°20	26°45	2°56	24°53	24°23	28°22	20°45	T 28
F 29	14 26 32	8°20'50	13°54	13°13	12°48	7°24	0° 3	17°10	9°18	26°47	2°57	24°49	24°20	28°28	20°50	F 29
S 30	14 30 29	9♉19'05	27♋13	14♈38	14♊ 0	8♉ 8	29♎55	17♋14	9♎16	26♉49	2♊59	24♌46	24♌17	28♓35	20♊54	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
F 1	4n20	19n15	4s 8	1s24	1n 0	14n40	0n 8	5n58	0s31	11s17	1n29	22n30	0s 2	3s28	0n44	17n37	1s40	8n39	12s14	12n30	12n55	4s11	17n28	5s33
S 2	4 43	19 3	3 19	1 45	0 44	15 6	0 11	6 16	0 31	11 15	1 29	22 30	0 2	3 27	0 44	17 37	1 40	8 39	12 14	12 30	12 56	4 9	17 29	5 33
S 3	5 6	17 45	2 17	2 5	0 29	15 31	0 14	6 34	0 30	11 13	1 29	22 29	0 1	3 26	0 44	17 38	1 40	8 40	12 14	12 30	12 57	4 7	17 29	5 32
M 4	5 29	15 20	1 5	2 21	0 14	15 56	0 17	6 52	0 29	11 10	1 29	22 29	0 1	3 25	0 44	17 38	1 40	8 40	12 13	12 29	12 59	4 5	17 30	5 32
T 5	5 52	11 53	0n12	2 35	0s 1	16 21	0 20	7 10	0 29	11 8	1 29	22 29	0 1	3 24	0 44	17 39	1 40	8 41	12 13	12 29	13 0	4 3	17 31	5 32
W 6	6 15	7 37	1 31	2 47	0 16	16 46	0 23	7 28	0 28	11 5	1 29	22 29	0 1	3 23	0 44	17 39	1 40	8 41	12 13	12 30	13 1	4 1	17 31	5 31
T 7	6 38	2 48	2 45	2 56	0 29	17 10	0 26	7 45	0 27	11 3	1 30	22 29	0 1	3 22	0 44	17 40	1 40	8 41	12 13	12 31	13 2	3 59	17 32	5 31
F 8	7 0	2s14	3 47	3 2	0 43	17 33	0 29	8 3	0 27	11 0	1 30	22 29	0 1	3 21	0 44	17 40	1 40	8 42	12 13	12 33	13 3	3 57	17 32	5 31
S 9	7 23	7 5	4 33	3 6	0 55	17 56	0 32	8 20	0 26	10 58	1 30	22 29	0 1	3 20	0 44	17 41	1 40	8 42	12 12	12 35	13 4	3 55	17 33	5 31
S 10	7 45	11 26	5 0	3 8	1 7	18 19	0 35	8 38	0 26	10 55	1 30	22 28	0 1	3 19	0 44	17 41	1 40	8 43	12 12	12 38	13 5	3 53	17 33	5 30
M11	8 7	15 0	5 6	3 7	1 18	18 41	0 37	8 55	0 25	10 53	1 30	22 28	0 1	3 18	0 44	17 41	1 40	8 43	12 12	12 41	13 6	3 51	17 34	5 30
T 12	8 29	17 33	4 54	3 4	1 29	19 3	0 40	9 12	0 24	10 50	1 30	22 28	0 1	3 17	0 44	17 42	1 40	8 43	12 12	12 43	13 7	3 49	17 34	5 30
W13	8 51	19 1	4 24	2 58	1 39	19 24	0 43	9 29	0 24	10 48	1 30	22 28	0 0	3 16	0 44	17 42	1 40	8 44	12 11	12 45	13 8	3 47	17 35	5 29
T 14	9 13	19 23	3 42	2 51	1 48	19 44	0 46	9 46	0 23	10 45	1 30	22 27	0 0	3 15	0 44	17 43	1 39	8 44	12 11	12 46	13 9	3 45	17 35	5 29
F 15	9 34	18 44	2 50	2 41	1 57	20 5	0 49	10 3	0 22	10 43	1 30	22 27	0 0	3 14	0 44	17 43	1 39	8 45	12 11	12 46	13 10	3 43	17 36	5 29
S 16	9 56	17 12	1 51	2 29	2 5	20 24	0 52	10 20	0 22	10 40	1 30	22 27	0 0	3 13	0 44	17 44	1 39	8 45	12 11	12 46	13 11	3 41	17 37	5 29
S 17	10 17	14 55	0 49	2 15	2 12	20 43	0 55	10 37	0 21	10 37	1 30	22 27	0 0	3 12	0 44	17 44	1 39	8 45	12 11	12 46	13 12	3 39	17 37	5 28
M18	10 38	12 2	0s15	2 0	2 19	21 2	0 58	10 53	0 21	10 35	1 30	22 26	0n 0	3 11	0 44	17 45	1 39	8 46	12 11	12 46	13 13	3 37	17 38	5 28
T 19	10 59	8 40	1 17	1 43	2 25	21 20	1 1	11 9	0 20	10 32	1 30	22 26	0 0	3 10	0 44	17 45	1 39	8 46	12 10	12 46	13 15	3 35	17 38	5 28
W20	11 20	4 59	2 16	1 24	2 30	21 38	1 4	11 26	0 19	10 30	1 30	22 26	0 0	3 9	0 43	17 46	1 39	8 46	12 10	12 47	13 16	3 33	17 39	5 28
T 21	11 40	1 6	3 9	1 3	2 35	21 55	1 7	11 42	0 19	10 27	1 30	22 25	0 0	3 8	0 43	17 46	1 39	8 47	12 10	12 49	13 17	3 32	17 39	5 27
F 22	12 1	2n51	3 54	0 41	2 39	22 11	1 9	11 58	0 18	10 24	1 30	22 25	0 0	3 7	0 43	17 47	1 39	8 47	12 10	12 52	13 18	3 30	17 40	5 27
S 23	12 21	6 43	4 29	0 17	2 43	22 27	1 12	12 14	0 17	10 22	1 30	22 25	0 0	3 7	0 43	17 47	1 39	8 48	12 10	12 56	13 19	3 28	17 40	5 27
S 24	12 41	10 22	4 52	0n 9	2 46	22 42	1 15	12 30	0 17	10 19	1 29	22 24	0 1	3 6	0 43	17 48	1 39	8 48	12 10	13 0	13 20	3 26	17 41	5 27
M25	13 1	13 37	5 2	0 35	2 48	22 56	1 18	12 45	0 16	10 16	1 29	22 24	0 1	3 5	0 43	17 48	1 39	8 48	12 9	13 4	13 21	3 24	17 41	5 26
T 26	13 20	16 19	4 57	1 4	2 50	23 10	1 20	13 1	0 15	10 14	1 29	22 23	0 1	3 4	0 43	17 49	1 39	8 49	12 9	13 8	13 22	3 22	17 42	5 26
W27	13 40	18 17	4 38	1 33	2 51	23 23	1 23	13 16	0 15	10 11	1 29	22 23	0 1	3 3	0 43	17 49	1 39	8 49	12 9	13 11	13 23	3 20	17 42	5 26
T 28	13 59	19 22	4 5	2 4	2 51	23 36	1 26	13 31	0 14	10 9	1 29	22 22	0 1	3 2	0 43	17 50	1 39	8 49	12 9	13 14	13 24	3 18	17 43	5 26
F 29	14 18	19 26	3 19	2 36	2 51	23 48	1 28	13 47	0 14	10 6	1 29	22 22	0 1	3 1	0 43	17 50	1 39	8 50	12 9	13 16	13 25	3 16	17 43	5 26
S 30	14n36	18n26	2s21	3n 9	2s50	24n 0	1n31	14n 1	0s13	10s 4	1n29	22n22	0n 1	3s 1	0n43	17n51	1s39	8n50	12s 9	13n16	13n26	3s14	17n44	5s25

Julian Day Number = 2410362.5, Delta T = -4.12 sec
Ecliptic obliquity = 23°27'07, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°09'56, Lahiri = 22°16'57

ASTRODIENST EPHEMERIS for the year 1887
geocentric

MAY 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 34 25	10♉17'18	10♌49	16♈ 4	15♊11	8♉53	29°R48	17♋18	9°R14	26♉51	3♊ 0	24°D46	24♌13	28♓42	20♊59	S 1
M 2	14 38 22	11°15'29	24°43	17°32	16°22	9°37	29♎40	17°23	9♎11	26°54	3° 1	24°R46	24°10	28°48	21° 3	M 2
T 3	14 42 18	12°13'38	8♍56	19° 2	17°33	10°21	29°33	17°27	9° 9	26°56	3° 3	24♌46	24° 7	28°55	21° 8	T 3
W 4	14 46 15	13°11'45	23°27	20°35	18°44	11° 5	29°26	17°32	9° 7	26°58	3° 4	24°43	24° 4	29° 2	21°13	W 4
T 5	14 50 11	14° 9'49	8♎12	22° 9	19°55	11°49	29°18	17°37	9° 5	27° 0	3° 5	24°38	24° 1	29° 8	21°17	T 5
F 6	14 54 8	15° 7'52	23° 6	23°45	21° 5	12°33	29°11	17°42	9° 3	27° 2	3° 6	24°31	23°58	29°15	21°22	F 6
S 7	14 58 5	16° 5'54	8♏ 0	25°23	22°16	13°17	29° 4	17°47	9° 2	27° 4	3° 8	24°21	23°54	29°22	21°27	S 7
S 8	15 2 1	17° 3'53	22°47	27° 3	23°27	14° 1	28°57	17°52	9° 0	27° 7	3° 9	24°10	23°51	29°28	21°32	S 8
M 9	15 5 58	18° 1'51	7♐16	28°45	24°37	14°45	28°50	17°57	8°58	27° 9	3°10	23°59	23°48	29°35	21°37	M 9
T 10	15 9 54	18°59'48	21°22	0♉29	25°48	15°28	28°43	18° 2	8°56	27°11	3°12	23°49	23°45	29°42	21°41	T 10
W11	15 13 51	19°57'43	5♑ 2	2°15	26°58	16°12	28°37	18° 7	8°54	27°13	3°13	23°41	23°42	29°48	21°46	W11
T 12	15 17 47	20°55'37	18°14	4° 3	28° 8	16°56	28°30	18°12	8°53	27°16	3°14	23°35	23°38	29°55	21°51	T 12
F 13	15 21 44	21°53'29	1♒ 0	5°53	29°18	17°39	28°23	18°18	8°51	27°18	3°16	23°32	23°35	0♈ 2	21°56	F 13
S 14	15 25 40	22°51'21	13°24	7°45	0♋28	18°23	28°17	18°23	8°49	27°20	3°17	23°31	23°32	0° 8	22° 1	S 14
S 15	15 29 37	23°49'11	25°32	9°39	1°38	19° 6	28°11	18°29	8°48	27°22	3°18	23°31	23°29	0°15	22° 6	S 15
M16	15 33 34	24°47'00	7♓27	11°35	2°48	19°50	28° 4	18°34	8°46	27°25	3°20	23°31	23°26	0°22	22°11	M16
T 17	15 37 30	25°44'47	19°17	13°33	3°58	20°33	27°58	18°40	8°45	27°27	3°21	23°29	23°23	0°28	22°17	T 17
W18	15 41 27	26°42'34	1♈ 5	15°32	5° 7	21°16	27°52	18°46	8°43	27°29	3°22	23°26	23°19	0°35	22°22	W18
T 19	15 45 23	27°40'19	12°56	17°34	6°17	22° 0	27°46	18°52	8°42	27°31	3°24	23°19	23°16	0°42	22°27	T 19
F 20	15 49 20	28°38'03	24°55	19°37	7°26	22°43	27°41	18°57	8°40	27°34	3°25	23°10	23°13	0°49	22°32	F 20
S 21	15 53 16	29°35'46	7♉ 4	21°42	8°36	23°26	27°35	19° 3	8°39	27°36	3°26	22°59	23°10	0°55	22°37	S 21
S 22	15 57 13	0♊33'28	19°25	23°48	9°45	24° 9	27°29	19° 9	8°38	27°38	3°28	22°46	23° 7	1° 2	22°43	S 22
M23	16 1 9	1°31'09	1♊58	25°56	10°54	24°52	27°24	19°15	8°37	27°40	3°29	22°33	23° 4	1° 9	22°48	M23
T 24	16 5 6	2°28'48	14°44	28° 5	12° 3	25°35	27°19	19°21	8°35	27°43	3°31	22°21	23° 0	1°15	22°53	T 24
W25	16 9 3	3°26'26	27°42	0♊15	13°12	26°18	27°14	19°28	8°34	27°45	3°32	22°10	22°57	1°22	22°58	W25
T 26	16 12 59	4°24'03	10♋51	2°26	14°21	27° 1	27° 9	19°34	8°33	27°47	3°33	22° 2	22°54	1°29	23° 4	T 26
F 27	16 16 56	5°21'39	24°12	4°38	15°29	27°44	27° 4	19°40	8°32	27°49	3°35	21°57	22°51	1°35	23° 9	F 27
S 28	16 20 52	6°19'13	7♌44	6°50	16°38	28°27	27° 0	19°46	8°31	27°52	3°36	21°55	22°48	1°42	23°15	S 28
S 29	16 24 49	7°16'46	21°26	9° 2	17°46	29°10	26°55	19°53	8°30	27°54	3°37	21°D54	22°44	1°49	23°20	S 29
M30	16 28 45	8°14'17	5♍20	11°14	18°54	29°53	26°51	19°59	8°29	27°56	3°39	21°R54	22°41	1°55	23°25	M30
T 31	16 32 42	9♊11'47	19♍26	13♊25	20♋ 3	0♊35	26♎47	20♋ 6	8♎28	27♉58	3♊40	21♌54	22♌38	2♈ 2	23♊31	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
S 1	14n55	16n21	1s13	3n43	2s49	24n10	1n33	14n16	0s12	10s 1	1n29	22n21	0n 1	3s 0	0n43	17n51	1s39	8n51	12s 9	13n16	13n27	3s12	17n44	5s25
M 2	15 13	13 17	0 0	4 19	2 47	24 20	1 36	14 31	0 12	9 59	1 29	22 21	0 1	2 59	0 43	17 52	1 39	8 51	12 8	13 16	13 28	3 10	17 45	5 25
T 3	15 31	9 22	1n14	4 55	2 45	24 30	1 38	14 45	0 11	9 56	1 29	22 20	0 1	2 58	0 43	17 53	1 39	8 51	12 8	13 17	13 29	3 8	17 45	5 25
W 4	15 48	4 50	2 26	5 33	2 42	24 38	1 40	15 0	0 10	9 54	1 29	22 20	0 2	2 57	0 43	17 53	1 39	8 52	12 8	13 17	13 30	3 6	17 46	5 25
T 5	16 6	0s 4	3 28	6 11	2 38	24 46	1 43	15 14	0 10	9 51	1 28	22 19	0 2	2 57	0 43	17 54	1 39	8 52	12 8	13 19	13 31	3 4	17 46	5 24
F 6	16 23	5 0	4 17	6 50	2 34	24 54	1 45	15 28	0 9	9 49	1 28	22 19	0 2	2 56	0 43	17 54	1 39	8 52	12 8	13 21	13 33	3 2	17 47	5 24
S 7	16 40	9 37	4 49	7 30	2 29	25 0	1 47	15 42	0 8	9 46	1 28	22 18	0 2	2 55	0 43	17 55	1 39	8 53	12 8	13 25	13 34	3 0	17 47	5 24
S 8	16 56	13 37	5 1	8 11	2 24	25 6	1 49	15 56	0 8	9 44	1 28	22 17	0 2	2 54	0 43	17 55	1 39	8 53	12 8	13 28	13 35	2 58	17 48	5 24
M 9	17 13	16 43	4 53	8 53	2 19	25 12	1 51	16 9	0 7	9 42	1 28	22 17	0 2	2 54	0 43	17 56	1 39	8 53	12 8	13 32	13 36	2 56	17 48	5 24
T 10	17 29	18 44	4 27	9 35	2 13	25 16	1 53	16 23	0 6	9 39	1 28	22 16	0 2	2 53	0 43	17 56	1 39	8 54	12 7	13 35	13 37	2 54	17 48	5 24
W11	17 44	19 35	3 47	10 17	2 6	25 20	1 55	16 36	0 6	9 37	1 28	22 16	0 2	2 52	0 43	17 57	1 39	8 54	12 7	13 38	13 38	2 52	17 49	5 24
T 12	18 0	19 19	2 55	11 1	1 59	25 23	1 57	16 49	0 5	9 35	1 27	22 15	0 2	2 52	0 43	17 57	1 39	8 54	12 7	13 40	13 39	2 50	17 49	5 23
F 13	18 15	18 3	1 56	11 44	1 51	25 26	1 59	17 2	0 5	9 33	1 27	22 14	0 2	2 51	0 43	17 58	1 39	8 55	12 7	13 41	13 40	2 48	17 50	5 23
S 14	18 30	15 57	0 53	12 28	1 43	25 28	2 1	17 15	0 4	9 31	1 27	22 14	0 2	2 51	0 43	17 58	1 39	8 55	12 7	13 41	13 41	2 46	17 50	5 23
S 15	18 44	13 11	0s11	13 13	1 35	25 29	2 2	17 27	0 3	9 29	1 27	22 13	0 2	2 50	0 43	17 59	1 39	8 55	12 7	13 41	13 42	2 44	17 51	5 23
M16	18 58	9 55	1 13	13 57	1 26	25 29	2 4	17 40	0 3	9 27	1 27	22 12	0 3	2 49	0 43	17 59	1 39	8 56	12 7	13 41	13 43	2 42	17 51	5 23
T 17	19 12	6 16	2 12	14 41	1 17	25 29	2 5	17 52	0 2	9 25	1 27	22 12	0 3	2 49	0 43	18 0	1 39	8 56	12 7	13 42	13 44	2 40	17 51	5 23
W18	19 26	2 24	3 5	15 26	1 7	25 28	2 7	18 4	0 1	9 23	1 26	22 11	0 3	2 48	0 43	18 0	1 39	8 56	12 7	13 43	13 45	2 38	17 52	5 23
T 19	19 39	1n35	3 50	16 10	0 58	25 26	2 8	18 16	0 1	9 21	1 26	22 10	0 3	2 48	0 43	18 1	1 39	8 56	12 7	13 45	13 46	2 36	17 52	5 23
F 20	19 52	5 32	4 25	16 53	0 47	25 24	2 9	18 28	0 0	9 19	1 26	22 10	0 3	2 47	0 43	18 1	1 39	8 57	12 7	13 48	13 47	2 34	17 52	5 23
S 21	20 4	9 19	4 49	17 36	0 37	25 21	2 10	18 39	0n 1	9 17	1 26	22 9	0 3	2 47	0 43	18 2	1 39	8 57	12 7	13 52	13 48	2 32	17 53	5 22
S 22	20 17	12 47	5 0	18 18	0 27	25 17	2 12	18 50	0 1	9 15	1 26	22 8	0 3	2 46	0 43	18 2	1 39	8 57	12 7	13 56	13 49	2 30	17 53	5 22
M23	20 29	15 43	4 56	18 59	0 16	25 12	2 13	19 2	0 2	9 14	1 25	22 7	0 3	2 46	0 43	18 3	1 39	8 58	12 7	14 0	13 50	2 28	17 54	5 22
T 24	20 40	17 58	4 38	19 39	0 6	25 7	2 13	19 13	0 3	9 12	1 25	22 6	0 3	2 45	0 43	18 3	1 39	8 58	12 7	14 4	13 51	2 26	17 54	5 22
W25	20 51	19 21	4 5	20 18	0n 5	25 1	2 14	19 23	0 3	9 10	1 25	22 6	0 3	2 45	0 42	18 4	1 39	8 58	12 6	14 8	13 52	2 24	17 54	5 22
T 26	21 2	19 42	3 19	20 55	0 16	24 55	2 15	19 34	0 4	9 9	1 25	22 5	0 3	2 45	0 42	18 4	1 39	8 58	12 6	14 10	13 53	2 22	17 55	5 22
F 27	21 12	18 58	2 21	21 30	0 26	24 48	2 16	19 44	0 4	9 7	1 25	22 4	0 4	2 44	0 42	18 5	1 39	8 59	12 6	14 12	13 54	2 20	17 55	5 22
S 28	21 22	17 9	1 14	22 3	0 36	24 40	2 16	19 54	0 5	9 6	1 24	22 3	0 4	2 44	0 42	18 5	1 39	8 59	12 6	14 13	13 55	2 18	17 55	5 22
S 29	21 32	14 19	0 2	22 34	0 46	24 32	2 17	20 4	0 6	9 4	1 24	22 2	0 4	2 43	0 42	18 6	1 39	8 59	12 6	14 13	13 57	2 16	17 55	5 22
M30	21 42	10 39	1n11	23 3	0 55	24 23	2 17	20 14	0 6	9 3	1 24	22 2	0 4	2 43	0 42	18 6	1 39	8 59	12 6	14 13	13 58	2 14	17 56	5 22
T 31	21n50	6n20	2n21	23n29	1n 4	24n13	2n17	20n24	0n 7	9s 2	1n24	22n 1	0n 4	2s43	0n42	18n 7	1s39	9n 0	12s 6	14n13	13n59	2s12	17n56	5s22

Julian Day Number = 2410392.5, Delta T = -4.11 sec
Ecliptic obliquity = 23°27'07, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°10'01, Lahiri = 22°17'01

ASTRODIENST EPHEMERIS for the year 1887
geocentric

JUNE 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	16 36 38	10♊ 9'15	3♎42	15♊36	21♋11	1♊18	26°R43	20♋12	8°R27	28♉ 0	3♊41	21°R52	22♌35	2♈ 9	23♊36	W 1
T 2	16 40 35	11° 6'43	18° 7	17°45	22°18	2° 0	26♎39	20°19	8♎27	28° 3	3°43	21♌48	22°32	2°15	23°42	T 2
F 3	16 44 32	12° 4'09	2♏37	19°54	23°26	2°43	26°35	20°25	8°26	28° 5	3°44	21°41	22°29	2°22	23°47	F 3
S 4	16 48 28	13° 1'34	17° 7	22° 0	24°34	3°25	26°32	20°32	8°25	28° 7	3°45	21°32	22°25	2°29	23°53	S 4
S 5	16 52 25	13°58'57	1♐30	24° 6	25°41	4° 8	26°28	20°39	8°25	28° 9	3°47	21°22	22°22	2°35	23°58	S 5
M 6	16 56 21	14°56'20	15°41	26° 9	26°48	4°50	26°25	20°46	8°24	28°11	3°48	21°12	22°19	2°42	24° 4	M 6
T 7	17 0 18	15°53'43	29°33	28°11	27°55	5°32	26°22	20°52	8°24	28°14	3°49	21° 3	22°16	2°49	24° 9	T 7
W 8	17 4 14	16°51'04	13♑ 4	0♋10	29° 2	6°14	26°20	20°59	8°23	28°16	3°51	20°55	22°13	2°55	24°15	W 8
T 9	17 8 11	17°48'25	26°11	2° 7	0♌ 9	6°57	26°17	21° 6	8°23	28°18	3°52	20°50	22°10	3° 2	24°20	T 9
F 10	17 12 7	18°45'45	8♒56	4° 2	1°16	7°39	26°14	21°13	8°22	28°20	3°53	20°48	22° 6	3° 9	24°26	F 10
S 11	17 16 4	19°43'04	21°21	5°55	2°22	8°21	26°12	21°20	8°22	28°22	3°55	20°D47	22° 3	3°15	24°31	S 11
S 12	17 20 1	20°40'23	3♓30	7°45	3°28	9° 3	26°10	21°27	8°22	28°24	3°56	20°48	22° 0	3°22	24°37	S 12
M13	17 23 57	21°37'42	15°27	9°33	4°34	9°45	26° 8	21°34	8°22	28°26	3°57	20°48	21°57	3°29	24°43	M13
T 14	17 27 54	22°35'00	27°18	11°18	5°40	10°27	26° 6	21°41	8°22	28°28	3°59	20°R48	21°54	3°35	24°48	T 14
W15	17 31 50	23°32'18	9♈ 9	13° 1	6°46	11° 9	26° 5	21°48	8°22	28°31	4° 0	20°47	21°50	3°42	24°54	W15
T 16	17 35 47	24°29'35	21° 3	14°42	7°52	11°51	26° 3	21°56	8°D21	28°33	4° 1	20°44	21°47	3°49	24°59	T 16
F 17	17 39 43	25°26'52	3♉ 6	16°20	8°57	12°32	26° 2	22° 3	8°21	28°35	4° 3	20°38	21°44	3°55	25° 5	F 17
S 18	17 43 40	26°24'09	15°22	17°56	10° 2	13°14	26° 1	22°10	8°22	28°37	4° 4	20°31	21°41	4° 2	25°11	S 18
S 19	17 47 36	27°21'26	27°52	19°29	11° 7	13°56	26° 0	22°17	8°22	28°39	4° 5	20°22	21°38	4° 9	25°16	S 19
M20	17 51 33	28°18'42	10♊39	20°59	12°12	14°37	26° 0	22°25	8°22	28°41	4° 6	20°13	21°35	4°16	25°22	M20
T 21	17 55 30	29°15'58	23°42	22°27	13°16	15°19	25°59	22°32	8°22	28°43	4° 8	20° 4	21°31	4°22	25°27	T 21
W22	17 59 26	0♋13'14	7♋ 0	23°53	14°21	16° 0	25°59	22°39	8°22	28°45	4° 9	19°57	21°28	4°29	25°33	W22
T 23	18 3 23	1°10'29	20°33	25°15	15°25	16°42	25°D59	22°47	8°23	28°47	4°10	19°51	21°25	4°36	25°39	T 23
F 24	18 7 19	2° 7'44	4♌17	26°36	16°29	17°23	25°59	22°54	8°23	28°49	4°11	19°48	21°22	4°42	25°44	F 24
S 25	18 11 16	3° 4'58	18°10	27°53	17°32	18° 5	25°59	23° 2	8°24	28°51	4°13	19°D47	21°19	4°49	25°50	S 25
S 26	18 15 12	4° 2'12	2♍11	29° 8	18°36	18°46	25°59	23° 9	8°24	28°53	4°14	19°48	21°16	4°56	25°55	S 26
M27	18 19 9	4°59'25	16°16	0♌20	19°39	19°27	26° 0	23°17	8°25	28°55	4°15	19°49	21°12	5° 2	26° 1	M27
T 28	18 23 5	5°56'38	0♎25	1°29	20°42	20° 9	26° 1	23°24	8°25	28°56	4°16	19°R50	21° 9	5° 9	26° 6	T 28
W29	18 27 2	6°53'50	14°37	2°36	21°44	20°50	26° 2	23°32	8°26	28°58	4°17	19°50	21° 6	5°16	26°12	W29
T 30	18 30 59	7♋51'02	28♎48	3♌39	22♌46	21♊31	26♎ 3	23♋39	8♎27	29♉ 0	4♊19	19♌48	21♌ 3	5♈22	26♊18	T 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
W 1	21n59	1n38	3n23	23n53	1n13	24n 3	2n17	20n33	0n 8	9s 1	1n23	22n 0	0n 4	2s43	0n42	18n 7	1s39	9n 0	12s 6	14n14	14n 0	2s10	17n56	5s22
T 2	22 7	3s13	4 12	24 14	1 21	23 52	2 18	20 43	0 8	8 59	1 23	21 59	0 4	2 42	0 42	18 8	1 39	9 0	12 6	14 15	14 1	2 7	17 57	5 22
F 3	22 15	7 54	4 46	24 32	1 28	23 40	2 17	20 52	0 9	8 58	1 23	21 58	0 4	2 42	0 42	18 8	1 39	9 0	12 6	14 17	14 2	2 5	17 57	5 22
S 4	22 22	12 8	5 2	24 47	1 35	23 28	2 17	21 0	0 10	8 57	1 23	21 57	0 4	2 42	0 42	18 9	1 39	9 1	12 6	14 20	14 3	2 3	17 57	5 22
S 5	22 29	15 36	4 58	25 0	1 41	23 16	2 17	21 9	0 10	8 56	1 22	21 56	0 4	2 42	0 42	18 9	1 39	9 1	12 6	14 23	14 4	2 1	17 57	5 22
M 6	22 36	18 7	4 36	25 10	1 46	23 2	2 17	21 17	0 11	8 55	1 22	21 55	0 4	2 41	0 42	18 10	1 39	9 1	12 6	14 26	14 5	1 59	17 58	5 22
T 7	22 42	19 29	3 58	25 17	1 51	22 49	2 16	21 26	0 11	8 55	1 22	21 54	0 4	2 41	0 42	18 10	1 39	9 1	12 6	14 29	14 6	1 57	17 58	5 22
W 8	22 48	19 43	3 7	25 22	1 55	22 34	2 16	21 34	0 12	8 54	1 22	21 53	0 5	2 41	0 42	18 11	1 39	9 2	12 6	14 32	14 7	1 55	17 58	5 22
T 9	22 54	18 50	2 7	25 24	1 58	22 19	2 15	21 41	0 13	8 53	1 21	21 52	0 5	2 41	0 42	18 11	1 39	9 2	12 6	14 33	14 8	1 53	17 58	5 22
F 10	22 59	17 1	1 3	25 23	2 0	22 4	2 14	21 49	0 13	8 52	1 21	21 51	0 5	2 41	0 42	18 11	1 39	9 2	12 6	14 34	14 9	1 51	17 58	5 22
S 11	23 3	14 26	0s 3	25 21	2 2	21 48	2 13	21 56	0 14	8 52	1 21	21 50	0 5	2 41	0 42	18 12	1 39	9 2	12 6	14 34	14 10	1 49	17 59	5 22
S 12	23 7	11 17	1 8	25 16	2 2	21 32	2 12	22 4	0 15	8 51	1 21	21 49	0 5	2 41	0 42	18 12	1 39	9 2	12 6	14 34	14 11	1 47	17 59	5 22
M13	23 11	7 42	2 8	25 9	2 2	21 15	2 11	22 10	0 15	8 51	1 20	21 48	0 5	2 41	0 42	18 13	1 39	9 3	12 7	14 34	14 12	1 45	17 59	5 22
T 14	23 15	3 52	3 3	25 0	2 2	20 57	2 9	22 17	0 16	8 51	1 20	21 47	0 5	2 41	0 42	18 13	1 39	9 3	12 7	14 34	14 13	1 43	17 59	5 22
W15	23 18	0n 7	3 49	24 49	2 0	20 39	2 8	22 24	0 16	8 50	1 20	21 46	0 5	2 41	0 42	18 14	1 39	9 3	12 7	14 34	14 14	1 41	17 59	5 22
T 16	23 20	4 6	4 26	24 36	1 58	20 21	2 6	22 30	0 17	8 50	1 20	21 45	0 5	2 41	0 42	18 14	1 39	9 3	12 7	14 35	14 15	1 39	17 59	5 22
F 17	23 22	7 59	4 52	24 22	1 55	20 2	2 5	22 36	0 18	8 50	1 19	21 44	0 5	2 41	0 42	18 15	1 39	9 3	12 7	14 37	14 16	1 37	17 59	5 22
S 18	23 24	11 35	5 5	24 6	1 52	19 43	2 3	22 42	0 18	8 50	1 19	21 43	0 5	2 41	0 41	18 15	1 39	9 3	12 7	14 40	14 17	1 35	18 0	5 22
S 19	23 26	14 46	5 3	23 49	1 48	19 23	2 1	22 48	0 19	8 50	1 19	21 42	0 5	2 41	0 41	18 15	1 39	9 4	12 7	14 42	14 18	1 33	18 0	5 23
M20	23 26	17 19	4 47	23 30	1 43	19 3	1 59	22 53	0 20	8 50	1 18	21 41	0 6	2 41	0 41	18 16	1 39	9 4	12 7	14 45	14 19	1 31	18 0	5 23
T 21	23 27	19 3	4 15	23 11	1 37	18 43	1 57	22 59	0 20	8 50	1 18	21 40	0 6	2 41	0 41	18 16	1 39	9 4	12 7	14 48	14 20	1 29	18 0	5 23
W22	23 27	19 47	3 30	22 50	1 31	18 22	1 54	23 4	0 21	8 50	1 18	21 38	0 6	2 41	0 41	18 17	1 39	9 4	12 7	14 50	14 21	1 27	18 0	5 23
T 23	23 27	19 23	2 31	22 29	1 25	18 0	1 52	23 9	0 21	8 50	1 18	21 37	0 6	2 42	0 41	18 17	1 39	9 4	12 7	14 52	14 22	1 25	18 0	5 23
F 24	23 26	17 51	1 23	22 7	1 17	17 39	1 49	23 13	0 22	8 50	1 17	21 36	0 6	2 42	0 41	18 17	1 39	9 4	12 7	14 53	14 23	1 23	18 0	5 23
S 25	23 25	15 15	0 9	21 44	1 9	17 17	1 47	23 18	0 23	8 51	1 17	21 35	0 6	2 42	0 41	18 18	1 39	9 4	12 7	14 53	14 24	1 20	18 0	5 23
S 26	23 23	11 44	1n 7	21 20	1 1	16 54	1 44	23 22	0 23	8 51	1 17	21 34	0 6	2 42	0 41	18 18	1 39	9 5	12 7	14 53	14 25	1 18	18 0	5 23
M27	23 21	7 33	2 18	20 56	0 52	16 32	1 41	23 26	0 24	8 52	1 17	21 33	0 6	2 42	0 41	18 19	1 39	9 5	12 7	14 53	14 26	1 16	18 0	5 23
T 28	23 19	2 55	3 22	20 31	0 42	16 9	1 38	23 30	0 24	8 52	1 16	21 31	0 6	2 43	0 41	18 19	1 39	9 5	12 8	14 53	14 27	1 14	18 0	5 24
W29	23 16	1s52	4 13	20 7	0 32	15 46	1 34	23 33	0 25	8 53	1 16	21 30	0 6	2 43	0 41	18 19	1 39	9 5	12 8	14 53	14 28	1 12	18 0	5 24
T 30	23n13	6s33	4n49	19n42	0n21	15n22	1n31	23n36	0n26	8s53	1n16	21n29	0n 6	2s43	0n41	18n20	1s39	9n 5	12s 8	14n53	14n29	1s10	18n 0	5s24

Julian Day Number = 2410423.5, Delta T = -4.09 sec
Ecliptic obliquity = 23°27'06, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°10'05, Lahiri = 22°17'05

ASTRODIENST EPHEMERIS for the year 1887
geocentric

JULY 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	18 34 55	8♋48'13	12♏58	4♌39	23♌48	22♊12	26♎ 4	23♋47	8♎27	29♉ 2	4♊20	19°R44	21♌ 0	5♈29	26♊23	F 1
S 2	18 38 52	9°45'24	27° 2	5°36	24°50	22°53	26° 6	23°55	8°28	29° 4	4°21	19♌39	20°56	5°36	26°29	S 2
S 3	18 42 48	10°42'35	10♐59	6°30	25°52	23°34	26° 7	24° 2	8°29	29° 6	4°22	19°33	20°53	5°42	26°34	S 3
M 4	18 46 45	11°39'46	24°43	7°20	26°53	24°15	26° 9	24°10	8°30	29° 7	4°23	19°27	20°50	5°49	26°40	M 4
T 5	18 50 41	12°36'56	8♑12	8° 7	27°53	24°56	26°11	24°17	8°31	29° 9	4°24	19°22	20°47	5°56	26°45	T 5
W 6	18 54 38	13°34'07	21°25	8°50	28°54	25°36	26°13	24°25	8°32	29°11	4°25	19°18	20°44	6° 2	26°51	W 6
T 7	18 58 34	14°31'18	4♒19	9°29	29°54	26°17	26°16	24°33	8°33	29°13	4°26	19°15	20°41	6° 9	26°56	T 7
F 8	19 2 31	15°28'29	16°56	10° 5	0♍54	26°58	26°18	24°41	8°34	29°14	4°28	19°D14	20°37	6°16	27° 1	F 8
S 9	19 6 28	16°25'40	29°16	10°36	1°53	27°39	26°21	24°48	8°35	29°16	4°29	19°15	20°34	6°23	27° 7	S 9
S 10	19 10 24	17°22'52	11♓24	11° 4	2°52	28°19	26°24	24°56	8°36	29°18	4°30	19°16	20°31	6°29	27°12	S 10
M11	19 14 21	18°20'04	23°21	11°27	3°51	29° 0	26°27	25° 4	8°38	29°19	4°31	19°18	20°28	6°36	27°18	M11
T 12	19 18 17	19°17'16	5♈13	11°45	4°49	29°40	26°30	25°11	8°39	29°21	4°32	19°19	20°25	6°43	27°23	T 12
W13	19 22 14	20°14'29	17° 4	11°59	5°47	0♋21	26°33	25°19	8°40	29°22	4°33	19°R20	20°22	6°49	27°28	W13
T 14	19 26 10	21°11'43	29° 0	12° 8	6°44	1° 1	26°37	25°27	8°42	29°24	4°34	19°20	20°18	6°56	27°34	T 14
F 15	19 30 7	22° 8'57	11♉ 5	12°R13	7°41	1°42	26°40	25°35	8°43	29°25	4°35	19°18	20°15	7° 3	27°39	F 15
S 16	19 34 3	23° 6'12	23°23	12°13	8°37	2°22	26°44	25°42	8°45	29°27	4°36	19°16	20°12	7° 9	27°44	S 16
S 17	19 38 0	24° 3'28	5♊57	12° 8	9°33	3° 2	26°48	25°50	8°46	29°28	4°37	19°13	20° 9	7°16	27°49	S 17
M18	19 41 57	25° 0'44	18°52	11°58	10°29	3°43	26°53	25°58	8°48	29°30	4°38	19° 9	20° 6	7°23	27°55	M18
T 19	19 45 53	25°58'01	2♋ 7	11°43	11°24	4°23	26°57	26° 6	8°50	29°31	4°38	19° 5	20° 2	7°29	28° 0	T 19
W20	19 49 50	26°55'18	15°42	11°23	12°19	5° 3	27° 1	26°14	8°51	29°33	4°39	19° 3	19°59	7°36	28° 5	W20
T 21	19 53 46	27°52'36	29°36	10°59	13°13	5°43	27° 6	26°21	8°53	29°34	4°40	19° 1	19°56	7°43	28°10	T 21
F 22	19 57 43	28°49'55	13♌45	10°31	14° 6	6°23	27°11	26°29	8°55	29°35	4°41	19°D 0	19°53	7°49	28°15	F 22
S 23	20 1 39	29°47'14	28° 4	9°59	14°59	7° 3	27°16	26°37	8°57	29°37	4°42	19° 0	19°50	7°56	28°20	S 23
S 24	20 5 36	0♌44'34	12♍30	9°23	15°51	7°43	27°21	26°45	8°59	29°38	4°43	19° 1	19°47	8° 3	28°25	S 24
M25	20 9 32	1°41'54	26°56	8°45	16°43	8°23	27°26	26°52	9° 1	29°39	4°44	19° 2	19°43	8°10	28°30	M25
T 26	20 13 29	2°39'14	11♎20	8° 4	17°34	9° 3	27°32	27° 0	9° 3	29°41	4°44	19° 3	19°40	8°16	28°35	T 26
W27	20 17 26	3°36'35	25°37	7°21	18°25	9°43	27°37	27° 8	9° 5	29°42	4°45	19° 4	19°37	8°23	28°40	W27
T 28	20 21 22	4°33'56	9♏46	6°37	19°14	10°22	27°43	27°16	9° 7	29°43	4°46	19°R 4	19°34	8°30	28°45	T 28
F 29	20 25 19	5°31'18	23°43	5°53	20° 3	11° 2	27°49	27°23	9° 9	29°44	4°47	19° 3	19°31	8°36	28°50	F 29
S 30	20 29 15	6°28'40	7♐29	5° 9	20°52	11°42	27°55	27°31	9°11	29°45	4°48	19° 2	19°28	8°43	28°55	S 30
S 31	20 33 12	7♌26'03	21♐ 1	4♌26	21♍39	12♋22	28♎ 1	27♋39	9♎13	29♉46	4♊48	19♌ 1	19♌24	8♈50	29♊ 0	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	23n10	10s51	5n 8	19n17	0n10	14n58	1n28	23n40	0n26	8s54	1n15	21n28	0n 6	2s44	0n41	18n20	1s39	9n 5	12s 8	14n54	14n30	1s 8	18n 0	5s24
S 2	23 6	14 31	5 7	18 52	0s 1	14 34	1 24	23 42	0 27	8 55	1 15	21 27	0 7	2 44	0 41	18 20	1 39	9 5	12 8	14 56	14 31	1 6	18 0	5 24
S 3	23 1	17 20	4 49	18 27	0 13	14 10	1 20	23 45	0 28	8 56	1 15	21 25	0 7	2 44	0 41	18 21	1 40	9 5	12 8	14 58	14 32	1 4	18 0	5 24
M 4	22 56	19 7	4 14	18 2	0 26	13 45	1 16	23 48	0 28	8 57	1 15	21 24	0 7	2 45	0 41	18 21	1 40	9 5	12 8	15 0	14 33	1 2	18 0	5 25
T 5	22 51	19 47	3 25	17 38	0 39	13 20	1 12	23 50	0 29	8 58	1 14	21 23	0 7	2 45	0 41	18 22	1 40	9 5	12 8	15 1	14 34	1 0	18 0	5 25
W 6	22 46	19 21	2 26	17 14	0 52	12 55	1 8	23 52	0 29	8 59	1 14	21 22	0 7	2 46	0 41	18 22	1 40	9 5	12 8	15 3	14 35	0 58	18 0	5 25
T 7	22 40	17 53	1 21	16 50	1 5	12 30	1 3	23 54	0 30	9 0	1 14	21 20	0 7	2 46	0 41	18 22	1 40	9 6	12 9	15 3	14 36	0 56	18 0	5 25
F 8	22 33	15 34	0 13	16 27	1 19	12 5	0 59	23 56	0 31	9 1	1 14	21 19	0 7	2 47	0 41	18 23	1 40	9 6	12 9	15 4	14 37	0 54	18 0	5 25
S 9	22 26	12 35	0s55	16 5	1 33	11 39	0 54	23 57	0 31	9 2	1 13	21 18	0 7	2 47	0 41	18 23	1 40	9 6	12 9	15 4	14 38	0 52	18 0	5 26
S 10	22 19	9 7	1 58	15 44	1 48	11 13	0 49	23 58	0 32	9 3	1 13	21 16	0 7	2 48	0 41	18 23	1 40	9 6	12 9	15 3	14 39	0 50	18 0	5 26
M11	22 12	5 20	2 56	15 24	2 2	10 47	0 44	23 59	0 32	9 5	1 13	21 15	0 7	2 48	0 41	18 23	1 40	9 6	12 9	15 3	14 40	0 47	17 59	5 26
T 12	22 4	1 23	3 46	15 5	2 17	10 21	0 39	24 0	0 33	9 6	1 12	21 14	0 7	2 49	0 40	18 24	1 40	9 6	12 9	15 2	14 42	0 45	17 59	5 26
W13	21 56	2n37	4 26	14 47	2 31	9 55	0 34	24 1	0 33	9 8	1 12	21 12	0 7	2 49	0 40	18 24	1 40	9 6	12 9	15 2	14 43	0 43	17 59	5 27
T 14	21 47	6 32	4 54	14 31	2 46	9 29	0 28	24 1	0 34	9 9	1 12	21 11	0 8	2 50	0 40	18 24	1 40	9 6	12 10	15 2	14 44	0 41	17 59	5 27
F 15	21 38	10 14	5 11	14 16	3 0	9 3	0 23	24 1	0 35	9 11	1 12	21 10	0 8	2 51	0 40	18 25	1 40	9 6	12 10	15 2	14 45	0 39	17 59	5 27
S 16	21 28	13 34	5 13	14 2	3 14	8 36	0 17	24 1	0 35	9 12	1 11	21 8	0 8	2 51	0 40	18 25	1 40	9 6	12 10	15 3	14 46	0 37	17 59	5 27
S 17	21 19	16 23	5 1	13 51	3 28	8 10	0 11	24 1	0 36	9 14	1 11	21 7	0 8	2 52	0 40	18 25	1 40	9 6	12 10	15 4	14 47	0 35	17 59	5 28
M18	21 8	18 27	4 33	13 41	3 41	7 43	0 5	24 0	0 36	9 16	1 11	21 6	0 8	2 52	0 40	18 25	1 40	9 6	12 10	15 5	14 48	0 33	17 58	5 28
T 19	20 58	19 36	3 50	13 32	3 53	7 17	0s 1	24 0	0 37	9 18	1 11	21 4	0 8	2 53	0 40	18 26	1 40	9 6	12 10	15 6	14 49	0 31	17 58	5 28
W20	20 47	19 40	2 53	13 26	4 5	6 50	0 7	23 59	0 38	9 19	1 10	21 3	0 8	2 54	0 40	18 26	1 40	9 6	12 11	15 7	14 50	0 29	17 58	5 28
T 21	20 36	18 32	1 45	13 22	4 16	6 23	0 14	23 58	0 38	9 21	1 10	21 2	0 8	2 55	0 40	18 26	1 40	9 6	12 11	15 8	14 51	0 27	17 58	5 29
F 22	20 24	16 15	0 29	13 20	4 26	5 57	0 21	23 57	0 39	9 23	1 10	21 0	0 8	2 55	0 40	18 26	1 40	9 6	12 11	15 8	14 52	0 25	17 58	5 29
S 23	20 12	12 56	0n50	13 20	4 35	5 30	0 27	23 55	0 39	9 25	1 10	20 59	0 8	2 56	0 40	18 27	1 40	9 6	12 11	15 8	14 53	0 22	17 57	5 29
S 24	20 0	8 49	2 6	13 22	4 43	5 3	0 34	23 53	0 40	9 27	1 9	20 57	0 8	2 57	0 40	18 27	1 40	9 6	12 11	15 8	14 54	0 20	17 57	5 29
M25	19 48	4 12	3 15	13 26	4 49	4 37	0 41	23 52	0 40	9 30	1 9	20 56	0 9	2 58	0 40	18 27	1 40	9 6	12 11	15 8	14 55	0 18	17 57	5 30
T 26	19 35	0s39	4 10	13 32	4 53	4 10	0 49	23 50	0 41	9 32	1 9	20 55	0 9	2 59	0 40	18 27	1 40	9 6	12 12	15 7	14 56	0 16	17 57	5 30
W27	19 21	5 24	4 50	13 40	4 56	3 44	0 56	23 47	0 42	9 34	1 9	20 53	0 9	2 59	0 40	18 28	1 40	9 6	12 12	15 7	14 57	0 14	17 56	5 30
T 28	19 8	9 48	5 12	13 50	4 57	3 17	1 4	23 45	0 42	9 36	1 8	20 52	0 9	3 0	0 40	18 28	1 41	9 6	12 12	15 7	14 58	0 12	17 56	5 31
F 29	18 54	13 37	5 15	14 1	4 57	2 51	1 11	23 42	0 43	9 39	1 8	20 50	0 9	3 1	0 40	18 28	1 41	9 5	12 12	15 7	14 59	0 10	17 56	5 31
S 30	18 40	16 38	5 0	14 14	4 54	2 25	1 19	23 39	0 43	9 41	1 8	20 49	0 9	3 2	0 40	18 28	1 41	9 5	12 12	15 7	15 0	0 8	17 55	5 31
S 31	18n25	18s41	4n28	14n28	4s50	1n58	1s27	23n36	0n44	9s43	1n 8	20n47	0n 9	3s 3	0n40	18n28	1s41	9n 5	12s12	15n 8	15n 1	0s 6	17n55	5s32

Julian Day Number = 2410453.5, Delta T = -4.08 sec
Ecliptic obliquity = 23°27'06, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°10'09, Lahiri = 22°17'09

ASTRODIENST EPHEMERIS for the year 1887
geocentric

AUGUST 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	20 37 8	8♌23'27	4♋20	3°R46	22♍26	13♋ 1	28♎ 7	27♋46	9♎16	29♉47	4♊49	18°R59	19♌21	8♈56	29♊ 4	M 1
T 2	20 41 5	9°20'51	17°25	3♌ 8	23°12	13°41	28°14	27°54	9°18	29°48	4°50	18♌58	19°18	9° 3	29° 9	T 2
W 3	20 45 2	10°18'16	0♒15	2°34	23°57	14°20	28°20	28° 2	9°20	29°49	4°50	18°57	19°15	9°10	29°14	W 3
T 4	20 48 58	11°15'42	12°52	2° 5	24°41	15° 0	28°27	28° 9	9°23	29°50	4°51	18°D57	19°12	9°16	29°18	T 4
F 5	20 52 55	12°13'09	25°16	1°40	25°24	15°39	28°34	28°17	9°25	29°51	4°52	18°57	19° 8	9°23	29°23	F 5
S 6	20 56 51	13°10'37	7♓28	1°21	26° 6	16°18	28°41	28°25	9°27	29°52	4°52	18°57	19° 5	9°30	29°28	S 6
S 7	21 0 48	14° 8'07	19°30	1° 7	26°47	16°58	28°48	28°32	9°30	29°53	4°53	18°58	19° 2	9°36	29°32	S 7
M 8	21 4 44	15° 5'37	1♈26	1° 0	27°28	17°37	28°55	28°40	9°33	29°54	4°53	18°58	18°59	9°43	29°37	M 8
T 9	21 8 41	16° 3'09	13°17	1°D 0	28° 7	18°16	29° 3	28°47	9°35	29°55	4°54	18°58	18°56	9°50	29°41	T 9
W10	21 12 37	17° 0'42	25° 8	1° 6	28°45	18°55	29°10	28°55	9°38	29°56	4°54	18°59	18°53	9°57	29°45	W10
T 11	21 16 34	17°58'16	7♉ 3	1°20	29°21	19°34	29°18	29° 2	9°40	29°57	4°55	18°59	18°49	10° 3	29°50	T 11
F 12	21 20 30	18°55'52	19° 7	1°40	29°57	20°14	29°26	29°10	9°43	29°57	4°55	18°59	18°46	10°10	29°54	F 12
S 13	21 24 27	19°53'29	1♊23	2° 8	0♎31	20°53	29°33	29°17	9°46	29°58	4°56	18°59	18°43	10°17	29°58	S 13
S 14	21 28 24	20°51'08	13°57	2°42	1° 5	21°32	29°41	29°25	9°49	29°59	4°56	18°59	18°40	10°23	0♋ 2	S 14
M15	21 32 20	21°48'49	26°52	3°24	1°36	22°11	29°49	29°32	9°51	29°59	4°57	18°59	18°37	10°30	0° 7	M15
T 16	21 36 17	22°46'31	10♋10	4°13	2° 7	22°49	29°58	29°40	9°54	29°59	4°57	18°59	18°33	10°37	0°11	T 16
W17	21 40 13	23°44'14	23°53	5° 8	2°35	23°28	0♏ 6	29°47	9°57	0♊ 0	4°58	19° 0	18°30	10°43	0°15	W17
T 18	21 44 10	24°41'59	8♌ 0	6°10	3° 3	24° 7	0°15	29°54	10° 0	0° 1	4°58	19° 0	18°27	10°50	0°19	T 18
F 19	21 48 6	25°39'46	22°27	7°18	3°29	24°46	0°23	0♌ 1	10° 3	0° 2	4°58	19°R 0	18°24	10°57	0°23	F 19
S 20	21 52 3	26°37'34	7♍10	8°32	3°53	25°25	0°32	0° 9	10° 6	0° 2	4°59	19° 0	18°21	11° 3	0°27	S 20
S 21	21 55 59	27°35'23	22° 1	9°52	4°15	26° 3	0°41	0°16	10° 9	0° 2	4°59	18°59	18°18	11°10	0°30	S 21
M22	21 59 56	28°33'13	6♎53	11°18	4°36	26°42	0°50	0°23	10°12	0° 3	4°59	18°58	18°14	11°17	0°34	M22
T 23	22 3 53	29°31'05	21°38	12°48	4°55	27°21	0°59	0°30	10°15	0° 3	5° 0	18°57	18°11	11°24	0°38	T 23
W24	22 7 49	0♍28'58	6♏10	14°23	5°12	27°59	1° 8	0°37	10°18	0° 4	5° 0	18°56	18° 8	11°30	0°41	W24
T 25	22 11 46	1°26'52	20°26	16° 2	5°27	28°38	1°17	0°44	10°21	0° 4	5° 0	18°55	18° 5	11°37	0°45	T 25
F 26	22 15 42	2°24'47	4♐22	17°45	5°41	29°16	1°26	0°52	10°24	0° 4	5° 0	18°D55	18° 2	11°44	0°49	F 26
S 27	22 19 39	3°22'44	17°58	19°31	5°52	29°55	1°36	0°59	10°28	0° 4	5° 1	18°56	17°59	11°50	0°52	S 27
S 28	22 23 35	4°20'42	1♑15	21°20	6° 1	0♌33	1°45	1° 5	10°31	0° 5	5° 1	18°56	17°55	11°57	0°55	S 28
M29	22 27 32	5°18'41	14°15	23°11	6° 8	1°11	1°55	1°12	10°34	0° 5	5° 1	18°58	17°52	12° 4	0°59	M29
T 30	22 31 28	6°16'42	26°59	25° 3	6°12	1°50	2° 5	1°19	10°37	0° 5	5° 1	18°59	17°49	12°10	1° 2	T 30
W31	22 35 25	7♍14'44	9♒30	26♌58	6♎15	2♌28	2♏15	1♌26	10♎41	0♊ 5	5♊ 1	19♌ 0	17♌46	12♈17	1♋ 5	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	18n11	19s40	3n43	14n43	4s44	1n33	1s36	23n33	0n44	9s46	1n 7	20n46	0n 9	3s 4	0n40	18n29	1s41	9n 5	12s13	15n 8	15n 2	0s 4	17n55	5s32
T 2	17 55	19 34	2 46	14 59	4 36	1 7	1 44	23 30	0 45	9 48	1 7	20 45	0 9	3 5	0 40	18 29	1 41	9 5	12 13	15 9	15 3	0 2	17 55	5 32
W 3	17 40	18 27	1 42	15 15	4 27	0 41	1 52	23 26	0 46	9 51	1 7	20 43	0 9	3 6	0 40	18 29	1 41	9 5	12 13	15 9	15 4	0n 1	17 54	5 33
T 4	17 24	16 25	0 34	15 32	4 16	0 16	2 1	23 22	0 46	9 53	1 7	20 42	0 9	3 7	0 40	18 29	1 41	9 5	12 13	15 9	15 4	0 3	17 54	5 33
F 5	17 9	13 39	0s35	15 49	4 4	0s 9	2 10	23 18	0 47	9 56	1 6	20 40	0 10	3 8	0 40	18 29	1 41	9 5	12 13	15 9	15 5	0 5	17 53	5 34
S 6	16 52	10 20	1 41	16 6	3 51	0 34	2 19	23 14	0 47	9 59	1 6	20 39	0 10	3 9	0 40	18 29	1 41	9 5	12 14	15 9	15 6	0 7	17 53	5 34
S 7	16 36	6 38	2 42	16 23	3 37	0 59	2 28	23 10	0 48	10 2	1 6	20 37	0 10	3 10	0 40	18 30	1 41	9 5	12 14	15 9	15 7	0 9	17 53	5 34
M 8	16 19	2 43	3 35	16 39	3 22	1 24	2 37	23 5	0 48	10 4	1 6	20 36	0 10	3 11	0 39	18 30	1 41	9 5	12 14	15 9	15 8	0 11	17 52	5 35
T 9	16 2	1n17	4 18	16 55	3 6	1 48	2 47	23 1	0 49	10 7	1 6	20 34	0 10	3 12	0 39	18 30	1 41	9 5	12 14	15 9	15 9	0 13	17 52	5 35
W10	15 45	5 13	4 50	17 10	2 50	2 12	2 56	22 56	0 49	10 10	1 5	20 33	0 10	3 13	0 39	18 30	1 41	9 4	12 15	15 9	15 10	0 15	17 52	5 35
T 11	15 27	8 59	5 11	17 23	2 33	2 35	3 6	22 51	0 50	10 13	1 5	20 32	0 10	3 14	0 39	18 30	1 41	9 4	12 15	15 9	15 11	0 17	17 51	5 36
F 12	15 9	12 25	5 17	17 35	2 16	2 58	3 16	22 46	0 51	10 16	1 5	20 30	0 10	3 15	0 39	18 30	1 41	9 4	12 15	15 9	15 12	0 19	17 51	5 36
S 13	14 51	15 23	5 10	17 46	1 59	3 21	3 26	22 40	0 51	10 19	1 5	20 29	0 10	3 16	0 39	18 30	1 41	9 4	12 15	15 9	15 13	0 22	17 50	5 37
S 14	14 33	17 43	4 48	17 54	1 42	3 43	3 36	22 35	0 52	10 22	1 4	20 27	0 10	3 17	0 39	18 30	1 41	9 4	12 15	15 8	15 14	0 24	17 50	5 37
M15	14 15	19 14	4 11	18 1	1 25	4 5	3 46	22 29	0 52	10 25	1 4	20 26	0 10	3 18	0 39	18 30	1 41	9 4	12 16	15 8	15 15	0 26	17 50	5 38
T 16	13 56	19 45	3 19	18 6	1 9	4 27	3 56	22 23	0 53	10 28	1 4	20 24	0 11	3 19	0 39	18 30	1 41	9 4	12 16	15 8	15 16	0 28	17 49	5 38
W17	13 37	19 7	2 15	18 9	0 53	4 48	4 7	22 17	0 53	10 31	1 4	20 23	0 11	3 21	0 39	18 31	1 42	9 3	12 16	15 8	15 17	0 30	17 49	5 38
T 18	13 18	17 18	1 1	18 9	0 37	5 9	4 17	22 11	0 54	10 34	1 4	20 21	0 11	3 22	0 39	18 31	1 42	9 3	12 16	15 8	15 18	0 32	17 48	5 39
F 19	12 58	14 20	0n19	18 7	0 21	5 29	4 28	22 5	0 54	10 37	1 3	20 20	0 11	3 23	0 39	18 31	1 42	9 3	12 16	15 8	15 19	0 34	17 48	5 39
S 20	12 39	10 25	1 39	18 2	0 7	5 48	4 38	21 58	0 55	10 41	1 3	20 18	0 11	3 24	0 39	18 31	1 42	9 3	12 17	15 8	15 20	0 36	17 47	5 40
S 21	12 19	5 49	2 53	17 54	0n 7	6 7	4 49	21 51	0 56	10 44	1 3	20 17	0 11	3 25	0 39	18 31	1 42	9 3	12 17	15 8	15 21	0 39	17 47	5 40
M22	11 59	0 52	3 55	17 43	0 20	6 25	5 0	21 45	0 56	10 47	1 3	20 16	0 11	3 27	0 39	18 31	1 42	9 3	12 17	15 9	15 22	0 41	17 46	5 41
T 23	11 39	4s 5	4 41	17 30	0 32	6 43	5 11	21 38	0 57	10 51	1 3	20 14	0 11	3 28	0 39	18 31	1 42	9 2	12 17	15 9	15 23	0 43	17 46	5 41
W24	11 18	8 43	5 9	17 13	0 44	6 59	5 22	21 31	0 57	10 54	1 2	20 13	0 11	3 29	0 39	18 31	1 42	9 2	12 18	15 9	15 24	0 45	17 45	5 42
T 25	10 58	12 47	5 16	16 54	0 54	7 15	5 33	21 23	0 58	10 57	1 2	20 11	0 11	3 30	0 39	18 31	1 42	9 2	12 18	15 10	15 25	0 47	17 45	5 42
F 26	10 37	16 1	5 5	16 32	1 4	7 31	5 44	21 16	0 58	11 1	1 2	20 10	0 11	3 32	0 39	18 31	1 42	9 2	12 18	15 10	15 26	0 49	17 44	5 43
S 27	10 16	18 19	4 37	16 7	1 12	7 45	5 55	21 8	0 59	11 4	1 2	20 8	0 12	3 33	0 39	18 31	1 42	9 2	12 18	15 10	15 27	0 51	17 44	5 43
S 28	9 55	19 32	3 54	15 40	1 20	7 59	6 6	21 1	0 59	11 8	1 2	20 7	0 12	3 34	0 39	18 31	1 42	9 2	12 18	15 9	15 28	0 53	17 43	5 43
M29	9 34	19 42	3 1	15 10	1 26	8 11	6 16	20 53	1 0	11 11	1 1	20 6	0 12	3 35	0 39	18 31	1 42	9 1	12 19	15 9	15 29	0 55	17 43	5 44
T 30	9 13	18 50	1 59	14 37	1 32	8 23	6 27	20 45	1 0	11 15	1 1	20 4	0 12	3 37	0 39	18 31	1 42	9 1	12 19	15 8	15 30	0 58	17 42	5 44
W31	8n51	17s 3	0n52	14n 3	1n37	8s34	6s38	20n37	1n 1	11s18	1n 1	20n 3	0n12	3s38	0n39	18n31	1s42	9n 1	12s19	15n 8	15n31	1n 0	17n42	5s45

Julian Day Number = 2410484.5, Delta T = -4.06 sec
Ecliptic obliquity = 23°27'07, Nutation = - 0°00'10, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°10'13, Lahiri = 22°17'14

ASTRODIENST EPHEMERIS for the year 1887
geocentric

SEPTEMBER 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	22 39 22	8♍12'48	21♒49	28♌53	6°R15	3♌ 6	2♏25	1♌33	10♎44	0♊ 5	5♊ 1	19°R 0	17♌43	12♈24	1♋ 8	T 1
F 2	22 43 18	9°10'53	4♓ 0	0♍49	6♎12	3°44	2°35	1°40	10°47	0° 5	5° 1	18♌59	17°39	12°31	1°11	F 2
S 3	22 47 15	10° 9'00	16° 2	2°46	6° 8	4°22	2°45	1°46	10°51	0°R 5	5° 1	18°58	17°36	12°37	1°15	S 3
S 4	22 51 11	11° 7'08	27°59	4°42	6° 1	5° 0	2°55	1°53	10°54	0° 5	5°R 1	18°55	17°33	12°44	1°17	S 4
M 5	22 55 8	12° 5'19	9♈51	6°39	5°51	5°38	3° 5	1°59	10°57	0° 5	5° 1	18°51	17°30	12°51	1°20	M 5
T 6	22 59 4	13° 3'31	21°42	8°35	5°39	6°16	3°16	2° 6	11° 1	0° 5	5° 1	18°47	17°27	12°57	1°23	T 6
W 7	23 3 1	14° 1'45	3♉33	10°31	5°25	6°54	3°26	2°12	11° 4	0° 5	5° 1	18°43	17°24	13° 4	1°26	W 7
T 8	23 6 57	15° 0'01	15°29	12°26	5° 8	7°32	3°37	2°19	11° 8	0° 5	5° 1	18°40	17°20	13°11	1°29	T 8
F 9	23 10 54	15°58'20	27°31	14°21	4°50	8°10	3°47	2°25	11°11	0° 5	5° 1	18°37	17°17	13°17	1°31	F 9
S 10	23 14 51	16°56'40	9♊45	16°15	4°29	8°48	3°58	2°32	11°15	0° 4	5° 1	18°36	17°14	13°24	1°34	S 10
S 11	23 18 47	17°55'02	22°15	18° 7	4° 5	9°25	4° 9	2°38	11°18	0° 4	5° 1	18°D35	17°11	13°31	1°36	S 11
M12	23 22 44	18°53'27	5♋ 4	19°59	3°40	10° 3	4°20	2°44	11°22	0° 4	5° 1	18°36	17° 8	13°38	1°39	M12
T 13	23 26 40	19°51'54	18°18	21°50	3°13	10°41	4°31	2°50	11°25	0° 4	5° 1	18°38	17° 5	13°44	1°41	T 13
W14	23 30 37	20°50'23	1♌57	23°40	2°44	11°18	4°42	2°56	11°29	0° 3	5° 0	18°39	17° 1	13°51	1°43	W14
T 15	23 34 33	21°48'54	16° 4	25°29	2°13	11°56	4°53	3° 2	11°33	0° 3	5° 0	18°R40	16°58	13°58	1°45	T 15
F 16	23 38 30	22°47'27	0♍37	27°17	1°41	12°33	5° 4	3° 8	11°36	0° 2	5° 0	18°40	16°55	14° 4	1°48	F 16
S 17	23 42 26	23°46'02	15°32	29° 4	1° 7	13°11	5°15	3°14	11°40	0° 2	5° 0	18°38	16°52	14°11	1°50	S 17
S 18	23 46 23	24°44'39	0♎40	0♎49	0°33	13°48	5°27	3°20	11°44	0° 2	4°59	18°34	16°49	14°18	1°51	S 18
M19	23 50 19	25°43'18	15°52	2°34	29♍57	14°25	5°38	3°26	11°47	0° 1	4°59	18°29	16°45	14°24	1°53	M19
T 20	23 54 16	26°41'58	0♏59	4°18	29°21	15° 3	5°50	3°31	11°51	0° 0	4°59	18°23	16°42	14°31	1°55	T 20
W21	23 58 13	27°40'41	15°50	6° 1	28°44	15°40	6° 1	3°37	11°55	29♉59	4°58	18°18	16°39	14°38	1°57	W21
T 22	0 2 9	28°39'25	0♐20	7°42	28° 7	16°17	6°13	3°43	11°58	29°59	4°58	18°13	16°36	14°45	1°59	T 22
F 23	0 6 6	29°38'11	14°23	9°23	27°31	16°54	6°24	3°48	12° 2	29°59	4°58	18°11	16°33	14°51	2° 0	F 23
S 24	0 10 2	0♎36'59	28° 0	11° 3	26°54	17°31	6°36	3°53	12° 6	29°58	4°57	18°D 9	16°30	14°58	2° 2	S 24
S 25	0 13 59	1°35'49	11♑12	12°42	26°18	18° 9	6°48	3°59	12°10	29°57	4°57	18°10	16°26	15° 5	2° 3	S 25
M26	0 17 55	2°34'40	24° 2	14°19	25°42	18°46	7° 0	4° 4	12°13	29°57	4°56	18°11	16°23	15°11	2° 4	M26
T 27	0 21 52	3°33'33	6♒34	15°56	25° 8	19°22	7°12	4° 9	12°17	29°56	4°56	18°12	16°20	15°18	2° 6	T 27
W28	0 25 48	4°32'27	18°52	17°33	24°35	19°59	7°24	4°14	12°21	29°55	4°56	18°R13	16°17	15°25	2° 7	W28
T 29	0 29 45	5°31'24	0♓59	19° 8	24° 3	20°36	7°36	4°19	12°25	29°54	4°55	18°12	16°14	15°31	2° 8	T 29
F 30	0 33 42	6♎30'22	12♓58	20♎42	23♍32	21♌13	7♏48	4♌24	12♎28	29♉53	4♊55	18♌ 9	16♌10	15♈38	2♋ 9	F 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
T 1	8n30	14s29	0s16	13n26	1n41	8s43	6s48	20n28	1n 1	11s22	1n 1	20n 1	0n12	3s39	0n39	18n31	1s42	9n 1	12s19	15n 8	15n32	1n 2	17n41	5s45
F 2	8 8	11 19	1 22	12 48	1 43	8 52	6 58	20 20	1 2	11 25	1 1	20 0	0 12	3 41	0 39	18 31	1 42	9 1	12 20	15 8	15 33	1 4	17 41	5 46
S 3	7 46	7 43	2 24	12 8	1 46	8 59	7 8	20 11	1 2	11 29	1 1	19 59	0 12	3 42	0 39	18 31	1 42	9 0	12 20	15 9	15 34	1 6	17 40	5 47
S 4	7 24	3 50	3 18	11 27	1 47	9 5	7 18	20 3	1 3	11 33	1 0	19 57	0 12	3 43	0 39	18 31	1 43	9 0	12 20	15 10	15 35	1 8	17 40	5 47
M 5	7 2	0n10	4 4	10 44	1 47	9 10	7 27	19 54	1 4	11 36	1 0	19 56	0 12	3 45	0 39	18 30	1 43	9 0	12 20	15 11	15 36	1 10	17 39	5 48
T 6	6 40	4 8	4 39	10 1	1 47	9 13	7 36	19 45	1 4	11 40	1 0	19 54	0 13	3 46	0 39	18 30	1 43	9 0	12 20	15 12	15 37	1 12	17 39	5 48
W 7	6 17	7 58	5 3	9 16	1 46	9 16	7 45	19 36	1 5	11 44	1 0	19 53	0 13	3 47	0 39	18 30	1 43	8 59	12 21	15 13	15 38	1 15	17 38	5 49
T 8	5 55	11 29	5 13	8 31	1 45	9 17	7 53	19 27	1 5	11 47	1 0	19 52	0 13	3 49	0 39	18 30	1 43	8 59	12 21	15 14	15 39	1 17	17 38	5 49
F 9	5 32	14 35	5 10	7 45	1 43	9 16	8 1	19 18	1 6	11 51	1 0	19 50	0 13	3 50	0 39	18 30	1 43	8 59	12 21	15 15	15 40	1 19	17 37	5 50
S 10	5 9	17 6	4 52	6 58	1 40	9 14	8 8	19 8	1 6	11 55	0 59	19 49	0 13	3 52	0 39	18 30	1 43	8 59	12 21	15 16	15 41	1 21	17 36	5 50
S 11	4 47	18 53	4 21	6 11	1 37	9 11	8 15	18 59	1 7	11 59	0 59	19 48	0 13	3 53	0 39	18 30	1 43	8 58	12 22	15 16	15 42	1 23	17 36	5 51
M12	4 24	19 45	3 36	5 24	1 33	9 6	8 20	18 49	1 7	12 3	0 59	19 46	0 13	3 54	0 39	18 30	1 43	8 58	12 22	15 15	15 43	1 25	17 35	5 51
T 13	4 1	19 35	2 39	4 37	1 30	9 0	8 25	18 39	1 8	12 6	0 59	19 45	0 13	3 56	0 39	18 30	1 43	8 58	12 22	15 15	15 44	1 27	17 35	5 52
W14	3 38	18 16	1 30	3 49	1 25	8 53	8 30	18 29	1 8	12 10	0 59	19 44	0 13	3 57	0 39	18 30	1 43	8 58	12 22	15 15	15 45	1 30	17 34	5 52
T 15	3 15	15 48	0 14	3 2	1 20	8 44	8 33	18 19	1 9	12 14	0 59	19 43	0 14	3 59	0 39	18 29	1 43	8 58	12 22	15 14	15 46	1 32	17 33	5 53
F 16	2 52	12 16	1n 5	2 14	1 15	8 33	8 36	18 9	1 9	12 18	0 58	19 41	0 14	4 0	0 39	18 29	1 43	8 57	12 23	15 14	15 46	1 34	17 33	5 54
S 17	2 29	7 53	2 21	1 27	1 10	8 22	8 38	17 59	1 10	12 22	0 58	19 40	0 14	4 2	0 39	18 29	1 43	8 57	12 23	15 15	15 47	1 36	17 32	5 54
S 18	2 5	2 56	3 29	0 40	1 5	8 9	8 39	17 49	1 10	12 26	0 58	19 39	0 14	4 3	0 38	18 29	1 43	8 57	12 23	15 16	15 48	1 38	17 32	5 55
M19	1 42	2s13	4 22	0s 7	0 59	7 55	8 39	17 39	1 11	12 30	0 58	19 38	0 14	4 4	0 38	18 29	1 43	8 56	12 23	15 18	15 49	1 40	17 31	5 55
T 20	1 19	7 11	4 56	0 54	0 53	7 40	8 38	17 28	1 11	12 34	0 58	19 36	0 14	4 6	0 38	18 29	1 43	8 56	12 24	15 20	15 50	1 42	17 31	5 56
W21	0 55	11 38	5 10	1 41	0 46	7 24	8 37	17 18	1 12	12 38	0 58	19 35	0 14	4 7	0 38	18 29	1 43	8 56	12 24	15 21	15 51	1 45	17 30	5 56
T 22	0 32	15 17	5 3	2 27	0 40	7 7	8 34	17 7	1 12	12 42	0 58	19 34	0 14	4 9	0 38	18 28	1 43	8 56	12 24	15 23	15 52	1 47	17 29	5 57
F 23	0 9	17 55	4 39	3 12	0 34	6 49	8 30	16 56	1 13	12 46	0 57	19 33	0 14	4 10	0 38	18 28	1 44	8 55	12 24	15 23	15 53	1 49	17 29	5 58
S 24	0s15	19 28	3 59	3 58	0 27	6 30	8 26	16 45	1 13	12 50	0 57	19 32	0 15	4 12	0 38	18 28	1 44	8 55	12 24	15 24	15 54	1 51	17 28	5 58
S 25	0 38	19 52	3 7	4 43	0 20	6 11	8 20	16 34	1 14	12 54	0 57	19 30	0 15	4 13	0 38	18 28	1 44	8 55	12 25	15 24	15 55	1 53	17 28	5 59
M26	1 2	19 14	2 7	5 27	0 13	5 51	8 14	16 23	1 14	12 58	0 57	19 29	0 15	4 15	0 38	18 28	1 44	8 55	12 25	15 23	15 56	1 55	17 27	5 59
T 27	1 25	17 38	1 3	6 11	0 6	5 31	8 7	16 12	1 15	13 2	0 57	19 28	0 15	4 16	0 38	18 27	1 44	8 54	12 25	15 23	15 57	1 57	17 26	6 0
W28	1 48	15 14	0s 3	6 54	0s 1	5 10	7 59	16 1	1 15	13 6	0 57	19 27	0 15	4 18	0 38	18 27	1 44	8 54	12 25	15 23	15 58	2 0	17 26	6 0
T 29	2 12	12 12	1 8	7 37	0 8	4 50	7 50	15 50	1 16	13 10	0 57	19 26	0 15	4 19	0 38	18 27	1 44	8 54	12 25	15 23	15 59	2 2	17 25	6 1
F 30	2s35	8s41	2s 9	8s19	0s15	4s29	7s41	15n39	1n17	13s14	0n57	19n25	0n15	4s21	0n38	18n27	1s44	8n54	12s26	15n24	16n 0	2n 4	17n25	6s 2

Julian Day Number = 2410515.5, Delta T = -4.05 sec
Ecliptic obliquity = 23°27'08, Nutation = - 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°10'17, Lahiri = 22°17'18

ASTRODIENST EPHEMERIS for the year 1887
geocentric

OCTOBER 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	0 37 38	7♎29'22	24♓53	22♎16	23°R 4	21♌50	8♏ 0	4♌29	12♎32	29°R53	4°R54	18°R 4	16♌ 7	15♈45	2♋10	S 1
S 2	0 41 35	8°28'25	6♈45	23°48	22♍37	22°26	8°12	4°34	12°36	29♉52	4♊53	17♌56	16° 4	15°52	2°11	S 2
M 3	0 45 31	9°27'29	18°37	25°20	22°12	23° 3	8°24	4°39	12°40	29°51	4°53	17°47	16° 1	15°58	2°11	M 3
T 4	0 49 28	10°26'35	0♉29	26°51	21°50	23°40	8°37	4°43	12°43	29°50	4°52	17°37	15°58	16° 5	2°12	T 4
W 5	0 53 24	11°25'44	12°23	28°21	21°29	24°16	8°49	4°48	12°47	29°49	4°52	17°26	15°55	16°12	2°13	W 5
T 6	0 57 21	12°24'54	24°22	29°51	21°11	24°53	9° 1	4°52	12°51	29°48	4°51	17°17	15°51	16°18	2°13	T 6
F 7	1 1 17	13°24'07	6♊27	1♏19	20°56	25°29	9°14	4°57	12°55	29°47	4°50	17° 9	15°48	16°25	2°14	F 7
S 8	1 5 14	14°23'23	18°41	2°47	20°43	26° 5	9°26	5° 1	12°59	29°46	4°50	17° 3	15°45	16°32	2°14	S 8
S 9	1 9 11	15°22'40	1♋ 9	4°14	20°32	26°42	9°39	5° 5	13° 2	29°45	4°49	17° 0	15°42	16°38	2°14	S 9
M10	1 13 7	16°22'00	13°54	5°40	20°24	27°18	9°51	5° 9	13° 6	29°43	4°48	16°D59	15°39	16°45	2°14	M10
T 11	1 17 4	17°21'23	27° 0	7° 5	20°18	27°54	10° 4	5°14	13°10	29°42	4°48	16°59	15°36	16°52	2°14	T 11
W12	1 21 0	18°20'47	10♌30	8°29	20°15	28°30	10°17	5°17	13°14	29°41	4°47	17°R 0	15°32	16°59	2°R15	W12
T 13	1 24 57	19°20'14	24°27	9°53	20°D14	29° 7	10°29	5°21	13°17	29°40	4°46	17° 0	15°29	17° 5	2°14	T 13
F 14	1 28 53	20°19'43	8♍52	11°15	20°15	29°43	10°42	5°25	13°21	29°39	4°46	16°58	15°26	17°12	2°14	F 14
S 15	1 32 50	21°19'15	23°42	12°37	20°19	0♍19	10°55	5°29	13°25	29°38	4°45	16°54	15°23	17°19	2°14	S 15
S 16	1 36 46	22°18'48	8♎50	13°57	20°25	0°55	11° 8	5°32	13°29	29°36	4°44	16°47	15°20	17°25	2°14	S 16
M17	1 40 43	23°18'24	24° 9	15°16	20°34	1°30	11°20	5°36	13°33	29°35	4°43	16°38	15°16	17°32	2°13	M17
T 18	1 44 39	24°18'02	9♏26	16°34	20°44	2° 6	11°33	5°39	13°36	29°34	4°42	16°27	15°13	17°39	2°13	T 18
W19	1 48 36	25°17'41	24°31	17°51	20°57	2°42	11°46	5°42	13°40	29°32	4°42	16°17	15°10	17°46	2°12	W19
T 20	1 52 33	26°17'23	9♐14	19° 6	21°12	3°18	11°59	5°46	13°44	29°31	4°41	16° 8	15° 7	17°52	2°12	T 20
F 21	1 56 29	27°17'06	23°28	20°20	21°29	3°53	12°12	5°49	13°47	29°30	4°40	16° 2	15° 4	17°59	2°11	F 21
S 22	2 0 26	28°16'52	7♑13	21°33	21°48	4°29	12°25	5°52	13°51	29°28	4°39	15°58	15° 1	18° 6	2°10	S 22
S 23	2 4 22	29°16'39	20°29	22°43	22° 8	5° 4	12°38	5°55	13°55	29°27	4°38	15°56	14°57	18°12	2° 9	S 23
M24	2 8 19	0♏16'27	3♒19	23°52	22°31	5°40	12°51	5°57	13°59	29°25	4°37	15°D56	14°54	18°19	2° 8	M24
T 25	2 12 15	1°16'17	15°47	24°59	22°55	6°15	13° 4	6° 0	14° 2	29°24	4°36	15°R56	14°51	18°26	2° 7	T 25
W26	2 16 12	2°16'09	27°59	26° 3	23°22	6°50	13°17	6° 3	14° 6	29°23	4°35	15°55	14°48	18°32	2° 6	W26
T 27	2 20 8	3°16'03	10♓ 0	27° 4	23°49	7°26	13°30	6° 5	14°10	29°21	4°34	15°53	14°45	18°39	2° 5	T 27
F 28	2 24 5	4°15'58	21°54	28° 3	24°19	8° 1	13°43	6° 7	14°13	29°20	4°33	15°48	14°41	18°46	2° 3	F 28
S 29	2 28 2	5°15'55	3♈45	28°59	24°50	8°36	13°56	6°10	14°17	29°18	4°32	15°40	14°38	18°53	2° 2	S 29
S 30	2 31 58	6°15'53	15°35	29°51	25°22	9°11	14°10	6°12	14°20	29°17	4°31	15°30	14°35	18°59	2° 1	S 30
M31	2 35 55	7♏15'54	27♈28	0♐39	25♍56	9♍46	14♏23	6♌14	14♎24	29♉15	4♊30	15♌16	14♌32	19♈ 6	1♋59	M31

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	
S 1	2s58	4s51	3s 4	9s 1	0s22	4s 9	7s31	15n27	1n17	13s18	0n56	19n24	0n15	4s22	0n38	18n27	1s44	8n53	12s26	15n26	16n 1	2n 6	17n24	6s 2	S 1
S 2	3 22	0 51	3 51	9 42	0 30	3 48	7 20	15 16	1 18	13 22	0 56	19 23	0 15	4 23	0 38	18 26	1 44	8 53	12 26	15 28	16 2	2 8	17 23	6 3	S 2
M 3	3 45	3n11	4 27	10 23	0 37	3 29	7 9	15 4	1 18	13 26	0 56	19 22	0 16	4 25	0 38	18 26	1 44	8 53	12 26	15 31	16 3	2 10	17 23	6 3	M 3
T 4	4 8	7 5	4 52	11 2	0 44	3 9	6 57	14 53	1 19	13 30	0 56	19 21	0 16	4 26	0 38	18 26	1 44	8 52	12 26	15 34	16 4	2 12	17 22	6 4	T 4
W 5	4 31	10 44	5 4	11 42	0 51	2 50	6 45	14 41	1 19	13 34	0 56	19 20	0 16	4 28	0 38	18 26	1 44	8 52	12 26	15 37	16 5	2 15	17 22	6 5	W 5
T 6	4 55	13 58	5 3	12 20	0 58	2 32	6 33	14 29	1 20	13 38	0 56	19 19	0 16	4 29	0 38	18 25	1 44	8 52	12 27	15 40	16 6	2 17	17 21	6 5	T 6
F 7	5 18	16 40	4 48	12 58	1 5	2 14	6 20	14 17	1 20	13 42	0 56	19 18	0 16	4 31	0 38	18 25	1 44	8 52	12 27	15 42	16 6	2 19	17 20	6 6	F 7
S 8	5 41	18 39	4 20	13 35	1 12	1 57	6 8	14 6	1 21	13 46	0 56	19 17	0 16	4 32	0 38	18 25	1 44	8 51	12 27	15 44	16 7	2 21	17 20	6 6	S 8
S 9	6 3	19 47	3 40	14 11	1 19	1 41	5 55	13 54	1 21	13 50	0 55	19 16	0 16	4 34	0 38	18 25	1 44	8 51	12 27	15 45	16 8	2 23	17 19	6 7	S 9
M10	6 26	19 57	2 47	14 46	1 26	1 25	5 41	13 42	1 22	13 54	0 55	19 15	0 16	4 35	0 38	18 24	1 44	8 51	12 27	15 45	16 9	2 25	17 19	6 8	M10
T 11	6 49	19 3	1 45	15 21	1 33	1 11	5 28	13 30	1 22	13 58	0 55	19 14	0 17	4 37	0 38	18 24	1 44	8 50	12 28	15 45	16 10	2 27	17 18	6 8	T 11
W12	7 12	17 4	0 35	15 55	1 39	0 57	5 15	13 17	1 23	14 2	0 55	19 13	0 17	4 38	0 38	18 24	1 44	8 50	12 28	15 45	16 11	2 30	17 17	6 9	W12
T 13	7 34	14 0	0n40	16 28	1 46	0 45	5 1	13 5	1 23	14 6	0 55	19 13	0 17	4 40	0 38	18 23	1 44	8 50	12 28	15 45	16 12	2 32	17 17	6 9	T 13
F 14	7 57	10 1	1 54	17 0	1 52	0 33	4 48	12 53	1 24	14 10	0 55	19 12	0 17	4 41	0 38	18 23	1 44	8 50	12 28	15 46	16 13	2 34	17 16	6 10	F 14
S 15	8 19	5 18	3 2	17 31	1 58	0 22	4 35	12 41	1 24	14 14	0 55	19 11	0 17	4 43	0 38	18 23	1 44	8 49	12 28	15 47	16 14	2 36	17 16	6 10	S 15
S 16	8 41	0 10	3 59	18 1	2 4	0 13	4 21	12 29	1 25	14 18	0 55	19 10	0 17	4 44	0 38	18 23	1 44	8 49	12 28	15 49	16 15	2 38	17 15	6 11	S 16
M17	9 4	5s 2	4 40	18 30	2 10	0 4	4 8	12 16	1 25	14 22	0 55	19 10	0 17	4 46	0 38	18 22	1 44	8 49	12 28	15 52	16 16	2 40	17 14	6 12	M17
T 18	9 26	9 54	5 0	18 58	2 16	0n 4	3 55	12 4	1 26	14 26	0 55	19 9	0 17	4 47	0 38	18 22	1 45	8 49	12 29	15 55	16 17	2 43	17 14	6 12	T 18
W19	9 47	14 4	4 59	19 25	2 21	0 11	3 42	11 52	1 26	14 31	0 55	19 8	0 17	4 48	0 38	18 22	1 45	8 48	12 29	15 58	16 18	2 45	17 13	6 13	W19
T 20	10 9	17 15	4 39	19 51	2 26	0 17	3 30	11 39	1 27	14 35	0 54	19 8	0 18	4 50	0 38	18 21	1 45	8 48	12 29	16 0	16 19	2 47	17 13	6 13	T 20
F 21	10 31	19 17	4 1	20 16	2 31	0 22	3 17	11 27	1 27	14 39	0 54	19 7	0 18	4 51	0 38	18 21	1 45	8 48	12 29	16 2	16 20	2 49	17 12	6 14	F 21
S 22	10 52	20 5	3 10	20 39	2 35	0 26	3 5	11 14	1 28	14 43	0 54	19 6	0 18	4 53	0 38	18 21	1 45	8 47	12 29	16 4	16 21	2 51	17 12	6 15	S 22
S 23	11 13	19 44	2 11	21 2	2 39	0 29	2 52	11 2	1 28	14 47	0 54	19 6	0 18	4 54	0 38	18 20	1 45	8 47	12 29	16 4	16 21	2 53	17 11	6 15	S 23
M24	11 34	18 21	1 7	21 23	2 43	0 31	2 40	10 49	1 29	14 51	0 54	19 5	0 18	4 56	0 38	18 20	1 45	8 47	12 29	16 4	16 22	2 56	17 10	6 16	M24
T 25	11 55	16 6	0 1	21 43	2 46	0 32	2 29	10 36	1 29	14 55	0 54	19 5	0 18	4 57	0 38	18 20	1 45	8 47	12 29	16 4	16 23	2 58	17 10	6 16	T 25
W26	12 16	13 10	1s 4	22 1	2 49	0 32	2 17	10 24	1 30	14 59	0 54	19 4	0 18	4 58	0 38	18 19	1 45	8 46	12 30	16 4	16 24	3 0	17 9	6 17	W26
T 27	12 37	9 44	2 4	22 18	2 52	0 32	2 6	10 11	1 30	15 3	0 54	19 4	0 19	5 0	0 38	18 19	1 45	8 46	12 30	16 5	16 25	3 2	17 9	6 17	T 27
F 28	12 57	5 56	2 58	22 33	2 53	0 30	1 55	9 58	1 31	15 7	0 54	19 3	0 19	5 1	0 38	18 19	1 45	8 46	12 30	16 6	16 26	3 4	17 8	6 18	F 28
S 29	13 17	1 56	3 44	22 47	2 55	0 28	1 44	9 46	1 31	15 11	0 54	19 3	0 19	5 3	0 38	18 18	1 45	8 46	12 30	16 9	16 27	3 6	17 8	6 19	S 29
S 30	13 37	2n 8	4 20	22 59	2 55	0 25	1 33	9 33	1 32	15 15	0 54	19 2	0 19	5 4	0 38	18 18	1 45	8 45	12 30	16 12	16 28	3 9	17 7	6 19	S 30
M31	13s57	6n 8	4s45	23s 9	2s55	0n21	1s23	9n20	1n32	15s19	0n54	19n 2	0n19	5s 5	0n38	18n18	1s45	8n45	12s30	16n16	16n29	3n11	17n 7	6s20	M31

Julian Day Number = 2410545.5, Delta T = -4.04 sec
Ecliptic obliquity = 23°27'08, Nutation = - 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°10'22, Lahiri = 22°17'22

ASTRODIENST EPHEMERIS for the year 1887
geocentric

NOVEMBER 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	2 39 51	8♏15'56	9♉24	1♐23	26♍32	10♍21	14♏36	6♌16	14♎27	29°R13	4°R29	15°R 2	14♌29	19♈13	1°R57	T 1
W 2	2 43 48	9°16'01	21°25	2° 2	27° 8	10°56	14°49	6°18	14°31	29♉12	4♊28	14♌47	14°26	19°19	1♋56	W 2
T 3	2 47 44	10°16'07	3♊32	2°36	27°46	11°30	15° 2	6°19	14°35	29°10	4°27	14°34	14°22	19°26	1°54	T 3
F 4	2 51 41	11°16'15	15°46	3° 3	28°26	12° 5	15°15	6°21	14°38	29° 9	4°26	14°22	14°19	19°33	1°52	F 4
S 5	2 55 37	12°16'25	28° 9	3°24	29° 6	12°40	15°29	6°23	14°42	29° 7	4°25	14°14	14°16	19°40	1°50	S 5
S 6	2 59 34	13°16'37	10♋42	3°37	29°48	13°14	15°42	6°24	14°45	29° 6	4°24	14° 8	14°13	19°46	1°48	S 6
M 7	3 3 31	14°16'52	23°29	3°R43	0♎31	13°49	15°55	6°25	14°48	29° 4	4°23	14° 5	14°10	19°53	1°46	M 7
T 8	3 7 27	15°17'08	6♌32	3°40	1°15	14°23	16° 8	6°26	14°52	29° 2	4°22	14° 4	14° 7	20° 0	1°44	T 8
W 9	3 11 24	16°17'26	19°55	3°28	2° 0	14°57	16°21	6°28	14°55	29° 1	4°21	14° 4	14° 3	20° 6	1°42	W 9
T 10	3 15 20	17°17'46	3♍41	3° 5	2°46	15°32	16°35	6°29	14°59	28°59	4°20	14° 4	14° 0	20°13	1°39	T 10
F 11	3 19 17	18°18'09	17°51	2°33	3°32	16° 6	16°48	6°29	15° 2	28°57	4°19	14° 1	13°57	20°20	1°37	F 11
S 12	3 23 13	19°18'33	2♎24	1°51	4°20	16°40	17° 1	6°30	15° 5	28°56	4°18	13°56	13°54	20°27	1°35	S 12
S 13	3 27 10	20°18'59	17°18	0°59	5° 9	17°14	17°14	6°31	15° 9	28°54	4°17	13°49	13°51	20°33	1°32	S 13
M14	3 31 6	21°19'27	2♏24	29♏58	5°58	17°48	17°28	6°31	15°12	28°52	4°16	13°39	13°47	20°40	1°30	M14
T 15	3 35 3	22°19'56	17°33	28°48	6°49	18°22	17°41	6°32	15°15	28°51	4°15	13°27	13°44	20°47	1°27	T 15
W16	3 39 0	23°20'28	2♐35	27°33	7°40	18°55	17°54	6°32	15°18	28°49	4°14	13°16	13°41	20°53	1°24	W16
T 17	3 42 56	24°21'01	17°20	26°13	8°32	19°29	18° 7	6°32	15°21	28°47	4°12	13° 5	13°38	21° 0	1°21	T 17
F 18	3 46 53	25°21'35	1♑41	24°52	9°25	20° 2	18°20	6°R32	15°25	28°46	4°11	12°57	13°35	21° 7	1°19	F 18
S 19	3 50 49	26°22'11	15°32	23°32	10°18	20°36	18°34	6°32	15°28	28°44	4°10	12°52	13°32	21°14	1°16	S 19
S 20	3 54 46	27°22'47	28°55	22°15	11°12	21° 9	18°47	6°32	15°31	28°42	4° 9	12°49	13°28	21°20	1°13	S 20
M21	3 58 42	28°23'26	11♒50	21° 5	12° 7	21°42	19° 0	6°32	15°34	28°40	4° 8	12°D49	13°25	21°27	1°10	M21
T 22	4 2 39	29°24'05	24°22	20° 3	13° 2	22°16	19°13	6°31	15°37	28°39	4° 7	12°R49	13°22	21°34	1° 7	T 22
W23	4 6 35	0♐24'45	6♓35	19°10	13°58	22°49	19°26	6°31	15°40	28°37	4° 6	12°49	13°19	21°40	1° 4	W23
T 24	4 10 32	1°25'26	18°36	18°29	14°54	23°22	19°39	6°30	15°43	28°35	4° 5	12°47	13°16	21°47	1° 0	T 24
F 25	4 14 29	2°26'09	0♈29	17°59	15°51	23°54	19°52	6°29	15°46	28°34	4° 3	12°43	13°13	21°54	0°57	F 25
S 26	4 18 25	3°26'52	12°19	17°41	16°49	24°27	20° 6	6°29	15°48	28°32	4° 2	12°37	13° 9	22° 1	0°54	S 26
S 27	4 22 22	4°27'37	24°10	17°D35	17°47	25° 0	20°19	6°28	15°51	28°30	4° 1	12°28	13° 6	22° 7	0°51	S 27
M28	4 26 18	5°28'23	6♉ 6	17°39	18°46	25°32	20°32	6°26	15°54	28°29	4° 0	12°17	13° 3	22°14	0°47	M28
T 29	4 30 15	6°29'10	18° 8	17°53	19°45	26° 5	20°45	6°25	15°57	28°27	3°59	12° 4	13° 0	22°21	0°44	T 29
W30	4 34 11	7♐29'58	0♊18	18♏16	20♎45	26♍37	20♏58	6♌24	16♎ 0	28♉25	3♊58	11♌51	12♌57	22♈27	0♋40	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	14s16	9n55	4s58	23s17	2s54	0n16	1s13	9n 8	1n33	15s22	0n54	19n 2	0n19	5s 7	0n38	18n17	1s45	8n45	12s30	16n20	16n30	3n13	17n 6	6s20
W 2	14 35	13 20	4 57	23 23	2 52	0 11	1 3	8 55	1 33	15 26	0 53	19 1	0 19	5 8	0 38	18 17	1 45	8 45	12 30	16 24	16 31	3 15	17 6	6 21
T 3	14 54	16 14	4 44	23 27	2 49	0 5	0 53	8 42	1 34	15 30	0 53	19 1	0 19	5 9	0 38	18 17	1 45	8 44	12 30	16 28	16 32	3 17	17 5	6 21
F 4	15 13	18 26	4 16	23 29	2 45	0s 2	0 43	8 29	1 35	15 34	0 53	19 1	0 20	5 11	0 38	18 16	1 45	8 44	12 30	16 32	16 33	3 19	17 5	6 22
S 5	15 32	19 49	3 37	23 28	2 40	0 10	0 34	8 16	1 35	15 38	0 53	19 0	0 20	5 12	0 38	18 16	1 45	8 44	12 30	16 34	16 33	3 22	17 4	6 22
S 6	15 50	20 15	2 46	23 24	2 34	0 18	0 25	8 4	1 36	15 42	0 53	19 0	0 20	5 13	0 38	18 16	1 45	8 44	12 31	16 36	16 34	3 24	17 4	6 23
M 7	16 8	19 40	1 46	23 18	2 26	0 27	0 17	7 51	1 36	15 46	0 53	19 0	0 20	5 15	0 38	18 15	1 45	8 43	12 31	16 37	16 35	3 26	17 3	6 23
T 8	16 26	18 0	0 40	23 8	2 17	0 37	0 8	7 38	1 37	15 50	0 53	19 0	0 20	5 16	0 38	18 15	1 45	8 43	12 31	16 37	16 36	3 28	17 3	6 24
W 9	16 43	15 20	0n31	22 55	2 6	0 47	0n 0	7 25	1 37	15 53	0 53	19 0	0 20	5 17	0 38	18 14	1 45	8 43	12 31	16 37	16 37	3 30	17 2	6 24
T 10	17 0	11 44	1 42	22 39	1 54	0 58	0 8	7 13	1 38	15 57	0 53	19 0	0 20	5 19	0 38	18 14	1 45	8 43	12 31	16 37	16 38	3 32	17 2	6 25
F 11	17 17	7 23	2 48	22 19	1 40	1 10	0 16	7 0	1 38	16 1	0 53	19 0	0 21	5 20	0 39	18 14	1 45	8 42	12 31	16 38	16 39	3 35	17 1	6 25
S 12	17 34	2 30	3 46	21 55	1 25	1 22	0 24	6 47	1 39	16 5	0 53	18 59	0 21	5 21	0 39	18 13	1 45	8 42	12 31	16 39	16 40	3 37	17 1	6 26
S 13	17 50	2s39	4 29	21 28	1 8	1 34	0 31	6 34	1 39	16 9	0 53	18 59	0 21	5 22	0 39	18 13	1 45	8 42	12 31	16 41	16 41	3 39	17 0	6 26
M14	18 6	7 42	4 55	20 57	0 49	1 47	0 38	6 21	1 40	16 12	0 53	18 59	0 21	5 24	0 39	18 13	1 45	8 42	12 31	16 44	16 42	3 41	17 0	6 27
T 15	18 22	12 17	5 0	20 23	0 30	2 1	0 45	6 9	1 40	16 16	0 53	18 59	0 21	5 25	0 39	18 12	1 45	8 42	12 31	16 48	16 43	3 43	17 0	6 27
W16	18 37	16 3	4 44	19 47	0 9	2 15	0 52	5 56	1 41	16 20	0 53	19 0	0 21	5 26	0 39	18 12	1 45	8 41	12 31	16 51	16 44	3 45	16 59	6 28
T 17	18 52	18 43	4 9	19 8	0n11	2 30	0 58	5 43	1 41	16 24	0 53	19 0	0 21	5 27	0 39	18 11	1 45	8 41	12 31	16 54	16 44	3 48	16 59	6 28
F 18	19 7	20 7	3 19	18 29	0 32	2 45	1 4	5 30	1 42	16 27	0 53	19 0	0 21	5 29	0 39	18 11	1 45	8 41	12 31	16 56	16 45	3 50	16 58	6 29
S 19	19 21	20 15	2 19	17 50	0 52	3 0	1 11	5 18	1 42	16 31	0 53	19 0	0 22	5 30	0 39	18 11	1 45	8 41	12 31	16 58	16 46	3 52	16 58	6 29
S 20	19 35	19 12	1 13	17 12	1 10	3 16	1 16	5 5	1 43	16 35	0 53	19 0	0 22	5 31	0 39	18 10	1 45	8 41	12 31	16 58	16 47	3 54	16 57	6 29
M21	19 49	17 10	0 5	16 38	1 28	3 32	1 22	4 53	1 43	16 38	0 53	19 0	0 22	5 32	0 39	18 10	1 45	8 40	12 31	16 59	16 48	3 56	16 57	6 30
T 22	20 2	14 22	1s 1	16 6	1 43	3 48	1 27	4 40	1 44	16 42	0 52	19 1	0 22	5 33	0 39	18 10	1 45	8 40	12 31	16 58	16 49	3 58	16 57	6 30
W23	20 15	11 0	2 3	15 39	1 57	4 5	1 33	4 27	1 45	16 45	0 52	19 1	0 22	5 34	0 39	18 9	1 45	8 40	12 31	16 59	16 50	4 1	16 56	6 31
T 24	20 27	7 14	2 58	15 17	2 8	4 22	1 38	4 15	1 45	16 49	0 52	19 1	0 22	5 35	0 39	18 9	1 45	8 40	12 31	16 59	16 51	4 3	16 56	6 31
F 25	20 40	3 14	3 45	15 0	2 17	4 40	1 42	4 2	1 46	16 53	0 52	19 1	0 22	5 37	0 39	18 9	1 45	8 40	12 31	17 0	16 52	4 5	16 56	6 31
S 26	20 51	0n51	4 21	14 48	2 25	4 58	1 47	3 50	1 46	16 56	0 52	19 2	0 23	5 38	0 39	18 8	1 45	8 39	12 31	17 2	16 53	4 7	16 55	6 32
S 27	21 3	4 56	4 47	14 41	2 30	5 16	1 52	3 37	1 47	17 0	0 52	19 2	0 23	5 39	0 39	18 8	1 45	8 39	12 31	17 4	16 54	4 9	16 55	6 32
M28	21 14	8 50	5 0	14 39	2 34	5 34	1 56	3 25	1 47	17 3	0 52	19 2	0 23	5 40	0 39	18 7	1 45	8 39	12 31	17 7	16 54	4 12	16 55	6 32
T 29	21 24	12 25	5 0	14 41	2 35	5 53	2 0	3 12	1 48	17 6	0 52	19 3	0 23	5 41	0 39	18 7	1 45	8 39	12 31	17 11	16 55	4 14	16 54	6 33
W30	21s34	15n33	4s47	14s47	2n36	6s12	2n 4	3n 0	1n48	17s10	0n52	19n 3	0n23	5s42	0n39	18n 7	1s45	8n39	12s31	17n15	16n56	4n16	16n54	6s33

Julian Day Number = 2410576.5, Delta T = -4.02 sec
Ecliptic obliquity = 23°27'08, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°10'26, Lahiri = 22°17'26

ASTRODIENST EPHEMERIS for the year 1887
geocentric

DECEMBER 1887 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	4 38 8	8♐30'47	12♊37	18♏48	21♎45	27♍ 9	21♏11	6°R23	16♎ 2	28°R24	3°R57	11°R39	12♌53	22♈34	0°R37	T 1
F 2	4 42 4	9°31'37	25° 5	19°28	22°45	27°41	21°24	6♌21	16° 5	28♉22	3♊55	11♌29	12°50	22°41	0♋33	F 2
S 3	4 46 1	10°32'29	7♋44	20°14	23°46	28°13	21°36	6°20	16° 7	28°20	3°54	11°22	12°47	22°48	0°30	S 3
S 4	4 49 58	11°33'22	20°33	21° 6	24°48	28°45	21°49	6°18	16°10	28°19	3°53	11°17	12°44	22°54	0°26	S 4
M 5	4 53 54	12°34'16	3♌33	22° 3	25°50	29°17	22° 2	6°16	16°12	28°17	3°52	11°15	12°41	23° 1	0°23	M 5
T 6	4 57 51	13°35'11	16°45	23° 4	26°52	29°49	22°15	6°14	16°15	28°15	3°51	11°D15	12°38	23° 8	0°19	T 6
W 7	5 1 47	14°36'08	0♍12	24°10	27°54	0♎20	22°28	6°12	16°17	28°14	3°50	11°16	12°34	23°14	0°15	W 7
T 8	5 5 44	15°37'05	13°55	25°19	28°57	0°52	22°40	6°10	16°20	28°12	3°49	11°R16	12°31	23°21	0°11	T 8
F 9	5 9 40	16°38'04	27°54	26°31	0♏ 1	1°23	22°53	6° 8	16°22	28°11	3°48	11°16	12°28	23°28	0° 8	F 9
S 10	5 13 37	17°39'04	12♎11	27°45	1° 4	1°54	23° 6	6° 5	16°24	28° 9	3°47	11°13	12°25	23°35	0° 4	S 10
S 11	5 17 33	18°40'05	26°41	29° 2	2° 8	2°25	23°18	6° 3	16°27	28° 7	3°45	11° 8	12°22	23°41	0° 0	S 11
M12	5 21 30	19°41'08	11♏23	0♐21	3°13	2°56	23°31	6° 0	16°29	28° 6	3°44	11° 1	12°19	23°48	29♊56	M12
T 13	5 25 27	20°42'11	26° 8	1°41	4°17	3°27	23°44	5°58	16°31	28° 4	3°43	10°53	12°15	23°55	29°52	T 13
W14	5 29 23	21°43'16	10♐50	3° 3	5°22	3°57	23°56	5°55	16°33	28° 3	3°42	10°45	12°12	24° 1	29°48	W14
T 15	5 33 20	22°44'21	25°20	4°26	6°27	4°28	24° 9	5°52	16°35	28° 1	3°41	10°37	12° 9	24° 8	29°45	T 15
F 16	5 37 16	23°45'26	9♑31	5°50	7°33	4°58	24°21	5°49	16°37	28° 0	3°40	10°32	12° 6	24°15	29°41	F 16
S 17	5 41 13	24°46'33	23°20	7°15	8°39	5°28	24°33	5°46	16°39	27°58	3°39	10°28	12° 3	24°22	29°37	S 17
S 18	5 45 9	25°47'40	6♒43	8°41	9°45	5°58	24°46	5°43	16°41	27°57	3°38	10°D27	11°59	24°28	29°33	S 18
M19	5 49 6	26°48'47	19°42	10° 8	10°51	6°28	24°58	5°40	16°43	27°55	3°37	10°27	11°56	24°35	29°29	M19
T 20	5 53 3	27°49'54	2♓18	11°35	11°57	6°58	25°10	5°37	16°45	27°54	3°36	10°28	11°53	24°42	29°25	T 20
W21	5 56 59	28°51'01	14°36	13° 3	13° 4	7°27	25°22	5°33	16°47	27°52	3°35	10°30	11°50	24°48	29°21	W21
T 22	6 0 56	29°52'09	26°40	14°32	14°11	7°56	25°34	5°30	16°48	27°51	3°34	10°R31	11°47	24°55	29°17	T 22
F 23	6 4 52	0♑53'17	8♈35	16° 1	15°18	8°26	25°46	5°26	16°50	27°50	3°33	10°30	11°44	25° 2	29°13	F 23
S 24	6 8 49	1°54'25	20°27	17°30	16°25	8°55	25°58	5°23	16°52	27°48	3°32	10°28	11°40	25° 9	29° 9	S 24
S 25	6 12 45	2°55'33	2♉19	19° 0	17°33	9°23	26°10	5°19	16°53	27°47	3°31	10°25	11°37	25°15	29° 5	S 25
M26	6 16 42	3°56'41	14°17	20°30	18°41	9°52	26°22	5°15	16°55	27°46	3°30	10°19	11°34	25°22	29° 1	M26
T 27	6 20 38	4°57'49	26°23	22° 1	19°49	10°20	26°34	5°11	16°56	27°44	3°29	10°13	11°31	25°29	28°57	T 27
W28	6 24 35	5°58'57	8♊41	23°32	20°57	10°49	26°45	5° 7	16°58	27°43	3°28	10° 7	11°28	25°35	28°53	W28
T 29	6 28 32	7° 0'06	21°12	25° 3	22° 5	11°17	26°57	5° 3	16°59	27°42	3°27	10° 0	11°25	25°42	28°49	T 29
F 30	6 32 28	8° 1'14	3♋57	26°35	23°14	11°45	27° 9	4°59	17° 0	27°41	3°26	9°55	11°21	25°49	28°45	F 30
S 31	6 36 25	9♑ 2'23	16♋55	28♐ 7	24♏22	12♎12	27♏20	4♌55	17♎ 1	27♉40	3♊25	9♌52	11♌18	25♈56	28♊41	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	21s44	18n 2	4s20	14s56	2n35	6s31	2n 7	2n48	1n49	17s13	0n52	19n 4	0n23	5s43	0n39	18n 6	1s45	8n39	12s31	17n18	16n57	4n18	16n54	6s33
F 2	21 53	19 42	3 40	15 9	2 33	6 50	2 11	2 36	1 49	17 17	0 52	19 4	0 23	5 44	0 39	18 6	1 45	8 39	12 31	17 21	16 58	4 20	16 53	6 34
S 3	22 2	20 25	2 49	15 24	2 30	7 9	2 14	2 23	1 50	17 20	0 52	19 5	0 24	5 45	0 39	18 6	1 45	8 38	12 31	17 23	16 59	4 22	16 53	6 34
S 4	22 11	20 6	1 48	15 41	2 26	7 29	2 17	2 11	1 51	17 23	0 52	19 5	0 24	5 46	0 39	18 5	1 45	8 38	12 30	17 24	17 0	4 25	16 53	6 34
M 5	22 19	18 42	0 41	16 0	2 22	7 48	2 20	1 59	1 51	17 27	0 52	19 6	0 24	5 47	0 39	18 5	1 45	8 38	12 30	17 25	17 1	4 27	16 52	6 35
T 6	22 27	16 17	0n29	16 21	2 16	8 8	2 23	1 47	1 52	17 30	0 52	19 7	0 24	5 48	0 39	18 5	1 45	8 38	12 30	17 25	17 2	4 29	16 52	6 35
W 7	22 34	12 58	1 40	16 43	2 11	8 28	2 26	1 35	1 52	17 33	0 52	19 7	0 24	5 49	0 39	18 4	1 45	8 38	12 30	17 24	17 3	4 31	16 52	6 35
T 8	22 41	8 53	2 46	17 5	2 5	8 48	2 28	1 23	1 53	17 36	0 52	19 8	0 24	5 49	0 39	18 4	1 45	8 38	12 30	17 24	17 3	4 33	16 52	6 35
F 9	22 47	4 15	3 43	17 28	1 58	9 8	2 30	1 11	1 53	17 40	0 52	19 9	0 24	5 50	0 39	18 4	1 45	8 38	12 30	17 24	17 4	4 36	16 51	6 36
S 10	22 53	0s42	4 28	17 52	1 51	9 28	2 32	0 59	1 54	17 43	0 52	19 9	0 25	5 51	0 39	18 3	1 45	8 38	12 30	17 25	17 5	4 38	16 51	6 36
S 11	22 58	5 41	4 57	18 15	1 44	9 48	2 34	0 47	1 54	17 46	0 52	19 10	0 25	5 52	0 39	18 3	1 45	8 38	12 30	17 27	17 6	4 40	16 51	6 36
M12	23 3	10 24	5 6	18 39	1 37	10 8	2 36	0 36	1 55	17 49	0 52	19 11	0 25	5 53	0 39	18 3	1 45	8 37	12 30	17 28	17 7	4 42	16 51	6 36
T 13	23 8	14 30	4 56	19 3	1 30	10 29	2 38	0 24	1 56	17 52	0 52	19 12	0 25	5 54	0 39	18 2	1 45	8 37	12 30	17 31	17 8	4 44	16 51	6 37
W14	23 12	17 42	4 26	19 26	1 22	10 49	2 39	0 12	1 56	17 55	0 52	19 13	0 25	5 54	0 39	18 2	1 45	8 37	12 30	17 33	17 9	4 46	16 50	6 37
T 15	23 15	19 44	3 39	19 49	1 15	11 9	2 41	0 1	1 57	17 58	0 52	19 13	0 25	5 55	0 39	18 2	1 45	8 37	12 29	17 35	17 10	4 49	16 50	6 37
F 16	23 18	20 28	2 39	20 12	1 7	11 29	2 42	0s11	1 57	18 1	0 52	19 14	0 25	5 56	0 39	18 1	1 45	8 37	12 29	17 36	17 11	4 51	16 50	6 37
S 17	23 21	19 56	1 31	20 34	0 59	11 49	2 43	0 22	1 58	18 4	0 52	19 15	0 26	5 57	0 39	18 1	1 45	8 37	12 29	17 37	17 11	4 53	16 50	6 37
S 18	23 23	18 17	0 20	20 55	0 51	12 9	2 44	0 34	1 58	18 7	0 52	19 16	0 26	5 57	0 39	18 1	1 45	8 37	12 29	17 38	17 12	4 55	16 50	6 37
M19	23 25	15 42	0s50	21 16	0 44	12 29	2 44	0 45	1 59	18 10	0 52	19 17	0 26	5 58	0 39	18 1	1 44	8 37	12 29	17 38	17 13	4 57	16 50	6 37
T 20	23 26	12 27	1 56	21 35	0 36	12 49	2 45	0 56	2 0	18 13	0 52	19 18	0 26	5 59	0 39	18 0	1 44	8 37	12 29	17 37	17 14	5 0	16 49	6 38
W21	23 27	8 45	2 55	21 54	0 28	13 8	2 46	1 7	2 0	18 16	0 52	19 19	0 26	5 59	0 39	18 0	1 44	8 37	12 29	17 37	17 15	5 2	16 49	6 38
T 22	23 27	4 45	3 44	22 13	0 21	13 28	2 46	1 18	2 1	18 19	0 52	19 20	0 26	6 0	0 39	18 0	1 44	8 37	12 28	17 37	17 16	5 4	16 49	6 38
F 23	23 27	0 38	4 24	22 30	0 13	13 47	2 46	1 29	2 1	18 22	0 52	19 21	0 26	6 1	0 39	18 0	1 44	8 37	12 28	17 37	17 17	5 6	16 49	6 38
S 24	23 26	3n29	4 52	22 46	0 6	14 6	2 46	1 40	2 2	18 25	0 52	19 22	0 26	6 1	0 39	17 59	1 44	8 37	12 28	17 37	17 18	5 8	16 49	6 38
S 25	23 25	7 28	5 8	23 1	0s 1	14 25	2 46	1 51	2 3	18 27	0 52	19 23	0 27	6 2	0 40	17 59	1 44	8 37	12 28	17 38	17 19	5 11	16 49	6 38
M26	23 24	11 12	5 10	23 15	0 8	14 44	2 46	2 1	2 3	18 30	0 52	19 24	0 27	6 2	0 40	17 59	1 44	8 37	12 28	17 40	17 19	5 13	16 49	6 38
T 27	23 22	14 31	4 58	23 28	0 15	15 3	2 45	2 12	2 4	18 33	0 52	19 25	0 27	6 3	0 40	17 58	1 44	8 37	12 28	17 41	17 20	5 15	16 49	6 38
W28	23 19	17 16	4 33	23 40	0 22	15 21	2 45	2 23	2 4	18 35	0 52	19 26	0 27	6 3	0 40	17 58	1 44	8 37	12 27	17 43	17 21	5 17	16 49	6 38
T 29	23 16	19 16	3 55	23 51	0 29	15 39	2 44	2 33	2 5	18 38	0 52	19 27	0 27	6 4	0 40	17 58	1 44	8 37	12 27	17 45	17 22	5 19	16 49	6 38
F 30	23 13	20 20	3 4	24 0	0 36	15 57	2 44	2 43	2 5	18 41	0 52	19 28	0 27	6 4	0 40	17 58	1 44	8 37	12 27	17 46	17 23	5 21	16 49	6 38
S 31	23s 9	20n22	2s 2	24s 9	0s42	16s14	2n43	2s54	2n 6	18s43	0n53	19n29	0n27	6s 5	0n40	17n58	1s44	8n37	12s27	17n47	17n24	5n24	16n49	6s38

Julian Day Number = 2410606.5, Delta T = -4.01 sec
Ecliptic obliquity = 23°27'07, Nutation = - 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°10'30, Lahiri = 22°17'30