Astrodienst Ephemeris Tables

for the year 1880

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 1880
geocentric

JANUARY 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	6 40 8	10♑ 0'06	17♌42	17♐35	25♏ 9	14♑32	9♓ 3	9♈19	8°R52	9°R22	25°R43	15♑33	15♑59	0♊42	8°R20	T 1
F 2	6 44 5	11° 1'15	0♍30	18°42	26°17	14°43	9°14	9°21	8♍51	9♑21	25♑42	15°33	15°56	0°49	8♑19	F 2
S 3	6 48 1	12° 2'24	13°32	19°52	27°26	14°55	9°25	9°24	8°50	9°21	25°41	15°34	15°53	0°55	8°18	S 3
S 4	6 51 58	13° 3'34	26°51	21° 4	28°35	15° 8	9°36	9°26	8°49	9°20	25°40	15°34	15°50	1° 2	8°17	S 4
M 5	6 55 54	14° 4'43	10♎27	22°18	29°44	15°21	9°47	9°28	8°48	9°20	25°40	15°R34	15°47	1° 9	8°17	M 5
T 6	6 59 51	15° 5'53	24°21	23°34	0♐53	15°34	9°58	9°31	8°47	9°19	25°39	15°D34	15°43	1°15	8°16	T 6
W 7	7 3 48	16° 7'03	8♏34	24°51	2° 3	15°48	10° 9	9°34	8°46	9°19	25°38	15°34	15°40	1°22	8°15	W 7
T 8	7 7 44	17° 8'13	23° 2	26°10	3°12	16° 3	10°21	9°37	8°44	9°18	25°38	15°34	15°37	1°29	8°14	T 8
F 9	7 11 41	18° 9'23	7♐43	27°30	4°22	16°18	10°32	9°39	8°43	9°18	25°37	15°34	15°34	1°35	8°14	F 9
S 10	7 15 37	19°10'33	22°30	28°51	5°32	16°34	10°44	9°42	8°42	9°17	25°36	15°35	15°31	1°42	8°13	S 10
S 11	7 19 34	20°11'43	7♑18	0♑13	6°42	16°50	10°55	9°46	8°40	9°17	25°36	15°35	15°28	1°49	8°13	S 11
M12	7 23 30	21°12'53	21°58	1°37	7°52	17° 7	11° 7	9°49	8°39	9°17	25°35	15°R35	15°24	1°55	8°12	M12
T 13	7 27 27	22°14'02	6♒24	3° 1	9° 2	17°24	11°19	9°52	8°37	9°17	25°35	15°35	15°21	2° 2	8°12	T 13
W14	7 31 24	23°15'11	20°31	4°26	10°12	17°42	11°31	9°55	8°36	9°16	25°34	15°34	15°18	2° 9	8°12	W14
T 15	7 35 20	24°16'19	4♓14	5°51	11°23	18° 0	11°43	9°59	8°34	9°16	25°34	15°33	15°15	2°15	8°12	T 15
F 16	7 39 17	25°17'26	17°33	7°18	12°33	18°19	11°55	10° 3	8°33	9°16	25°33	15°32	15°12	2°22	8°12	F 16
S 17	7 43 13	26°18'33	0♈27	8°45	13°44	18°38	12° 7	10° 6	8°31	9°16	25°33	15°30	15° 9	2°29	8°11	S 17
S 18	7 47 10	27°19'38	13° 0	10°13	14°55	18°57	12°19	10°10	8°29	9°16	25°32	15°29	15° 5	2°36	8°D11	S 18
M19	7 51 6	28°20'43	25°16	11°42	16° 5	19°17	12°32	10°14	8°27	9°16	25°32	15°D29	15° 2	2°42	8°11	M19
T 20	7 55 3	29°21'47	7♉18	13°11	17°16	19°37	12°44	10°18	8°25	9°D16	25°31	15°29	14°59	2°49	8°12	T 20
W21	7 58 59	0♒22'50	19°11	14°41	18°27	19°58	12°57	10°22	8°24	9°16	25°31	15°30	14°56	2°56	8°12	W21
T 22	8 2 56	1°23'53	1♊ 1	16°12	19°38	20°19	13° 9	10°26	8°22	9°16	25°31	15°31	14°53	3° 2	8°12	T 22
F 23	8 6 53	2°24'54	12°51	17°43	20°50	20°40	13°22	10°30	8°20	9°16	25°30	15°33	14°49	3° 9	8°12	F 23
S 24	8 10 49	3°25'54	24°46	19°15	22° 1	21° 2	13°35	10°34	8°18	9°16	25°30	15°34	14°46	3°16	8°13	S 24
S 25	8 14 46	4°26'53	6♋50	20°47	23°12	21°24	13°47	10°39	8°16	9°16	25°29	15°35	14°43	3°22	8°13	S 25
M26	8 18 42	5°27'52	19° 5	22°20	24°23	21°46	14° 0	10°43	8°14	9°16	25°29	15°R35	14°40	3°29	8°14	M26
T 27	8 22 39	6°28'49	1♌32	23°54	25°35	22° 9	14°13	10°48	8°12	9°17	25°29	15°34	14°37	3°36	8°14	T 27
W28	8 26 35	7°29'45	14°15	25°29	26°46	22°32	14°26	10°53	8°10	9°17	25°29	15°32	14°34	3°42	8°15	W28
T 29	8 30 32	8°30'41	27°11	27° 4	27°58	22°56	14°39	10°57	8° 7	9°17	25°28	15°29	14°30	3°49	8°15	T 29
F 30	8 34 28	9°31'35	10♍22	28°39	29°10	23°19	14°52	11° 2	8° 5	9°18	25°28	15°26	14°27	3°56	8°16	F 30
S 31	8 38 25	10♒32'28	23♍46	0♒16	0♑22	23♑43	15♓ 6	11♈ 7	8♍ 3	9♑18	25♑28	15♑22	14♑24	4♊ 2	8♑17	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	23s 5	12n51	2s49	21s13	1n40	16s24	2n45	17n53	1n45	9s14	1s 8	1n25	2s29	8n59	0n47	12n54	1s49	5n41	13s53	22s33	22s30	23n53	12n49	1s34
F 2	23 0	7 48	3 45	21 28	1 31	16 41	2 44	17 57	1 46	9 10	1 8	1 26	2 29	8 59	0 47	12 54	1 49	5 41	13 53	22 33	22 30	23 54	12 48	1 34
S 3	22 55	2 20	4 30	21 42	1 23	16 57	2 43	18 1	1 47	9 5	1 8	1 27	2 28	9 0	0 47	12 54	1 49	5 41	13 53	22 33	22 31	23 55	12 48	1 34
S 4	22 49	3s21	5 1	21 56	1 14	17 14	2 42	18 6	1 47	9 1	1 7	1 28	2 28	9 0	0 47	12 54	1 49	5 41	13 53	22 33	22 31	23 56	12 48	1 34
M 5	22 43	8 59	5 16	22 9	1 5	17 30	2 40	18 10	1 48	8 57	1 7	1 29	2 28	9 1	0 48	12 54	1 48	5 41	13 53	22 33	22 31	23 57	12 48	1 34
T 6	22 36	14 18	5 14	22 21	0 57	17 45	2 39	18 14	1 48	8 52	1 7	1 31	2 28	9 1	0 48	12 54	1 48	5 41	13 52	22 33	22 32	23 57	12 47	1 34
W 7	22 29	18 59	4 53	22 33	0 48	18 1	2 38	18 19	1 49	8 48	1 7	1 32	2 27	9 2	0 48	12 54	1 48	5 41	13 52	22 33	22 32	23 58	12 47	1 34
T 8	22 21	22 37	4 12	22 44	0 40	18 16	2 36	18 24	1 49	8 44	1 7	1 33	2 27	9 2	0 48	12 53	1 48	5 41	13 52	22 33	22 32	23 59	12 47	1 34
F 9	22 13	24 49	3 15	22 55	0 31	18 30	2 34	18 29	1 50	8 39	1 7	1 35	2 27	9 3	0 48	12 53	1 48	5 42	13 51	22 33	22 33	24 0	12 47	1 34
S 10	22 5	25 19	2 5	23 4	0 23	18 44	2 33	18 34	1 50	8 35	1 7	1 36	2 27	9 3	0 48	12 53	1 48	5 42	13 51	22 33	22 33	24 0	12 46	1 34
S 11	21 56	24 1	0 46	23 13	0 15	18 58	2 31	18 39	1 51	8 30	1 7	1 38	2 26	9 4	0 48	12 53	1 48	5 42	13 51	22 33	22 34	24 1	12 46	1 34
M12	21 47	21 5	0n35	23 20	0 7	19 11	2 29	18 44	1 51	8 26	1 6	1 39	2 26	9 4	0 48	12 53	1 48	5 42	13 51	22 33	22 34	24 2	12 46	1 34
T 13	21 37	16 51	1 53	23 26	0s 1	19 24	2 27	18 49	1 52	8 21	1 6	1 41	2 26	9 5	0 48	12 53	1 48	5 42	13 50	22 33	22 34	24 3	12 46	1 34
W14	21 27	11 47	3 2	23 32	0 9	19 37	2 25	18 55	1 52	8 16	1 6	1 42	2 26	9 5	0 48	12 53	1 48	5 42	13 50	22 33	22 35	24 3	12 46	1 34
T 15	21 17	6 16	3 58	23 36	0 16	19 49	2 22	19 0	1 52	8 12	1 6	1 44	2 25	9 6	0 48	12 53	1 48	5 42	13 50	22 33	22 35	24 4	12 46	1 34
F 16	21 6	0 37	4 40	23 39	0 24	20 0	2 20	19 6	1 53	8 7	1 6	1 45	2 25	9 7	0 48	12 53	1 48	5 43	13 50	22 33	22 35	24 5	12 46	1 34
S 17	20 54	4n52	5 6	23 41	0 31	20 11	2 18	19 11	1 53	8 2	1 6	1 47	2 25	9 7	0 48	12 53	1 48	5 43	13 49	22 33	22 36	24 6	12 46	1 34
S 18	20 43	10 0	5 17	23 41	0 38	20 22	2 15	19 17	1 53	7 57	1 6	1 49	2 25	9 8	0 48	12 53	1 48	5 43	13 49	22 33	22 36	24 6	12 46	1 34
M19	20 30	14 37	5 12	23 41	0 45	20 32	2 13	19 23	1 53	7 53	1 6	1 50	2 24	9 9	0 48	12 53	1 48	5 43	13 49	22 33	22 36	24 7	12 46	1 34
T 20	20 18	18 35	4 54	23 39	0 51	20 41	2 10	19 28	1 54	7 48	1 6	1 52	2 24	9 10	0 48	12 53	1 48	5 43	13 48	22 33	22 37	24 8	12 46	1 34
W21	20 5	21 46	4 24	23 36	0 58	20 50	2 8	19 34	1 54	7 43	1 6	1 54	2 24	9 10	0 48	12 53	1 47	5 44	13 48	22 33	22 37	24 8	12 46	1 34
T 22	19 52	24 0	3 42	23 32	1 4	20 59	2 5	19 40	1 54	7 38	1 6	1 56	2 24	9 11	0 48	12 54	1 47	5 44	13 48	22 33	22 37	24 9	12 46	1 34
F 23	19 38	25 11	2 51	23 26	1 9	21 6	2 2	19 46	1 54	7 33	1 5	1 58	2 24	9 12	0 48	12 54	1 47	5 44	13 48	22 33	22 38	24 10	12 46	1 34
S 24	19 24	25 14	1 53	23 19	1 15	21 14	1 59	19 52	1 54	7 28	1 5	1 59	2 23	9 13	0 48	12 54	1 47	5 44	13 47	22 33	22 38	24 10	12 46	1 34
S 25	19 10	24 5	0 48	23 10	1 21	21 21	1 56	19 58	1 55	7 23	1 5	2 1	2 23	9 13	0 48	12 54	1 47	5 44	13 47	22 33	22 39	24 11	12 47	1 34
M26	18 55	21 47	0s19	23 1	1 26	21 27	1 54	20 4	1 55	7 18	1 5	2 3	2 23	9 14	0 48	12 54	1 47	5 45	13 47	22 33	22 39	24 12	12 47	1 34
T 27	18 40	18 25	1 27	22 50	1 30	21 32	1 51	20 10	1 55	7 13	1 5	2 5	2 23	9 15	0 48	12 54	1 47	5 45	13 46	22 33	22 39	24 12	12 47	1 34
W28	18 25	14 9	2 31	22 37	1 35	21 37	1 48	20 16	1 55	7 8	1 5	2 7	2 22	9 16	0 48	12 54	1 47	5 45	13 46	22 33	22 40	24 13	12 47	1 34
T 29	18 9	9 11	3 29	22 23	1 39	21 42	1 45	20 22	1 55	7 3	1 5	2 9	2 22	9 17	0 48	12 54	1 47	5 45	13 46	22 33	22 40	24 14	12 47	1 34
F 30	17 53	3 43	4 17	22 8	1 43	21 46	1 41	20 28	1 55	6 58	1 5	2 11	2 22	9 17	0 48	12 55	1 47	5 46	13 45	22 34	22 40	24 14	12 48	1 34
S 31	17s36	1s59	4s52	21s51	1s47	21s49	1n38	20n34	1n55	6s52	1s 5	2n14	2s22	9n18	0n48	12n55	1s47	5n46	13s45	22s34	22s41	24n15	12n48	1s34

Julian Day Number = 2407715.5, Delta T = -3.24 sec
Ecliptic obliquity = 23°27'20, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°03'52, Lahiri = 22°10'53

ASTRODIENST EPHEMERIS for the year 1880
geocentric

FEBRUARY 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	8 42 22	11♒33'21	7♎22	1♒53	1♑33	24♉ 7	15♓19	11♈12	8°R 1	9♉18	25°R28	15°R18	14♑21	4♊ 9	8♉18	S 1
M 2	8 46 18	12°34'13	21° 9	3°31	2°45	24°32	15°32	11°17	7♍59	9°19	25♉28	15♑15	14°18	4°16	8°19	M 2
T 3	8 50 15	13°35'04	5♏ 5	5°10	3°57	24°57	15°46	11°22	7°56	9°19	25°28	15°14	14°15	4°22	8°20	T 3
W 4	8 54 11	14°35'54	19°10	6°49	5° 9	25°22	15°59	11°27	7°54	9°20	25°27	15°D14	14°11	4°29	8°21	W 4
T 5	8 58 8	15°36'44	3♐21	8°29	6°21	25°47	16°13	11°32	7°52	9°20	25°27	15°15	14° 8	4°36	8°22	T 5
F 6	9 2 4	16°37'32	17°38	10°10	7°33	26°13	16°26	11°38	7°49	9°21	25°27	15°16	14° 5	4°42	8°23	F 6
S 7	9 6 1	17°38'20	1♑57	11°52	8°46	26°39	16°40	11°43	7°47	9°21	25°27	15°17	14° 2	4°49	8°24	S 7
S 8	9 9 57	18°39'06	16°16	13°34	9°58	27° 5	16°53	11°49	7°44	9°22	25°27	15°R18	13°59	4°56	8°26	S 8
M 9	9 13 54	19°39'52	0♒30	15°17	11°10	27°31	17° 7	11°54	7°42	9°23	25°D27	15°17	13°55	5° 2	8°27	M 9
T 10	9 17 51	20°40'36	14°36	17° 1	12°23	27°58	17°21	12° 0	7°39	9°24	25°27	15°14	13°52	5° 9	8°28	T 10
W11	9 21 47	21°41'19	28°28	18°46	13°35	28°25	17°35	12° 5	7°37	9°24	25°27	15°10	13°49	5°16	8°30	W11
T 12	9 25 44	22°42'00	12♓ 3	20°32	14°47	28°52	17°49	12°11	7°34	9°25	25°27	15° 4	13°46	5°22	8°31	T 12
F 13	9 29 40	23°42'40	25°18	22°19	16° 0	29°19	18° 2	12°17	7°32	9°26	25°27	14°57	13°43	5°29	8°33	F 13
S 14	9 33 37	24°43'18	8♈13	24° 6	17°12	29°47	18°16	12°23	7°29	9°27	25°27	14°50	13°40	5°36	8°35	S 14
S 15	9 37 33	25°43'54	20°48	25°54	18°25	0♊14	18°30	12°29	7°27	9°28	25°28	14°44	13°36	5°42	8°36	S 15
M16	9 41 30	26°44'29	3♉ 6	27°43	19°37	0°42	18°44	12°35	7°24	9°28	25°28	14°39	13°33	5°49	8°38	M16
T 17	9 45 26	27°45'02	15°10	29°33	20°50	1°10	18°58	12°41	7°22	9°29	25°28	14°36	13°30	5°56	8°40	T 17
W18	9 49 23	28°45'34	27° 4	1♓24	22° 3	1°39	19°12	12°47	7°19	9°30	25°28	14°D35	13°27	6° 3	8°42	W18
T 19	9 53 20	29°46'03	8♊53	3°15	23°15	2° 7	19°27	12°53	7°17	9°31	25°28	14°36	13°24	6° 9	8°44	T 19
F 20	9 57 16	0♓46'31	20°44	5° 7	24°28	2°36	19°41	12°59	7°14	9°32	25°29	14°37	13°21	6°16	8°46	F 20
S 21	10 1 13	1°46'57	2♋40	6°59	25°41	3° 5	19°55	13° 6	7°11	9°34	25°29	14°39	13°17	6°23	8°48	S 21
S 22	10 5 9	2°47'21	14°47	8°52	26°53	3°34	20° 9	13°12	7° 9	9°35	25°29	14°R39	13°14	6°29	8°50	S 22
M23	10 9 6	3°47'43	27° 9	10°45	28° 6	4° 3	20°23	13°18	7° 6	9°36	25°29	14°38	13°11	6°36	8°52	M23
T 24	10 13 2	4°48'03	9♌48	12°39	29°19	4°32	20°38	13°25	7° 3	9°37	25°30	14°35	13° 8	6°43	8°54	T 24
W25	10 16 59	5°48'21	22°47	14°32	0♒32	5° 2	20°52	13°31	7° 1	9°38	25°30	14°30	13° 5	6°49	8°56	W25
T 26	10 20 55	6°48'37	6♍ 6	16°25	1°45	5°31	21° 6	13°38	6°58	9°39	25°30	14°23	13° 1	6°56	8°59	T 26
F 27	10 24 52	7°48'52	19°43	18°18	2°58	6° 1	21°21	13°45	6°56	9°41	25°31	14°14	12°58	7° 3	9° 1	F 27
S 28	10 28 48	8°49'05	3♎35	20°10	4°11	6°31	21°35	13°51	6°53	9°42	25°31	14° 4	12°55	7° 9	9° 3	S 28
S 29	10 32 45	9♓49'16	17♎38	22♓ 1	5♒24	7♊ 1	21♓49	13♈58	6♍50	9♉43	25♉32	13♑55	12♑52	7♊16	9♉ 6	S 29

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	17s20	7s41	5s11	21s33	1s50	21s52	1n35	20n41	1n55	6s47	1s 5	2n16	2s22	9n19	0n48	12n55	1s47	5n46	13s45	22s35	22s41	24n15	12n48	1s34
M 2	17 3	13 4	5 12	21 13	1 54	21 54	1 32	20 47	1 55	6 42	1 5	2 18	2 21	9 20	0 48	12 55	1 47	5 46	13 44	22 35	22 41	24 16	12 48	1 34
T 3	16 45	17 51	4 55	20 52	1 56	21 55	1 29	20 53	1 55	6 37	1 5	2 20	2 21	9 21	0 48	12 55	1 47	5 47	13 44	22 35	22 42	24 17	12 49	1 34
W 4	16 28	21 42	4 21	20 30	1 59	21 56	1 25	20 59	1 55	6 31	1 5	2 22	2 21	9 22	0 48	12 56	1 47	5 47	13 44	22 35	22 42	24 17	12 49	1 34
T 5	16 10	24 16	3 30	20 6	2 1	21 56	1 22	21 5	1 55	6 26	1 4	2 24	2 21	9 23	0 48	12 56	1 47	5 47	13 44	22 35	22 42	24 18	12 49	1 34
F 6	15 52	25 18	2 26	19 40	2 2	21 56	1 19	21 11	1 55	6 21	1 4	2 27	2 21	9 24	0 48	12 56	1 46	5 47	13 43	22 35	22 43	24 18	12 50	1 34
S 7	15 33	24 39	1 12	19 13	2 4	21 55	1 15	21 17	1 55	6 15	1 4	2 29	2 20	9 24	0 48	12 56	1 46	5 48	13 43	22 35	22 43	24 19	12 50	1 34
S 8	15 15	22 23	0n 5	18 45	2 5	21 53	1 12	21 23	1 55	6 10	1 4	2 31	2 20	9 25	0 49	12 57	1 46	5 48	13 43	22 35	22 43	24 20	12 51	1 34
M 9	14 56	18 43	1 22	18 15	2 5	21 51	1 9	21 29	1 55	6 5	1 4	2 34	2 20	9 26	0 49	12 57	1 46	5 48	13 42	22 35	22 44	24 20	12 51	1 34
T 10	14 37	14 1	2 33	17 44	2 5	21 48	1 5	21 35	1 55	5 59	1 4	2 36	2 20	9 27	0 49	12 57	1 46	5 49	13 42	22 35	22 44	24 21	12 52	1 34
W11	14 17	8 41	3 34	17 11	2 5	21 44	1 2	21 41	1 55	5 54	1 4	2 38	2 20	9 28	0 49	12 57	1 46	5 49	13 42	22 36	22 44	24 21	12 52	1 34
T 12	13 57	3 2	4 21	16 37	2 4	21 40	0 59	21 47	1 55	5 48	1 4	2 41	2 20	9 29	0 49	12 58	1 46	5 49	13 41	22 36	22 45	24 22	12 53	1 34
F 13	13 38	2n36	4 52	16 1	2 3	21 35	0 55	21 53	1 55	5 43	1 4	2 43	2 19	9 30	0 49	12 58	1 46	5 50	13 41	22 37	22 45	24 22	12 53	1 34
S 14	13 17	7 59	5 8	15 24	2 1	21 30	0 52	21 59	1 55	5 37	1 4	2 46	2 19	9 31	0 49	12 58	1 46	5 50	13 41	22 38	22 45	24 23	12 54	1 34
S 15	12 57	12 53	5 8	14 45	1 59	21 23	0 48	22 5	1 55	5 32	1 4	2 48	2 19	9 32	0 49	12 59	1 46	5 50	13 40	22 38	22 46	24 23	12 54	1 34
M16	12 37	17 9	4 54	14 5	1 56	21 17	0 45	22 11	1 55	5 26	1 4	2 50	2 19	9 33	0 49	12 59	1 46	5 51	13 40	22 39	22 46	24 24	12 55	1 34
T 17	12 16	20 39	4 27	13 24	1 53	21 9	0 41	22 17	1 55	5 21	1 4	2 53	2 19	9 34	0 49	12 59	1 46	5 51	13 40	22 39	22 46	24 24	12 55	1 34
W18	11 55	23 14	3 49	12 41	1 49	21 1	0 38	22 22	1 55	5 15	1 4	2 56	2 19	9 35	0 49	13 0	1 46	5 51	13 39	22 39	22 47	24 25	12 56	1 34
T 19	11 34	24 47	3 1	11 57	1 45	20 53	0 35	22 28	1 54	5 10	1 4	2 58	2 18	9 36	0 49	13 0	1 46	5 52	13 39	22 39	22 47	24 25	12 56	1 34
F 20	11 12	25 13	2 6	11 11	1 40	20 44	0 31	22 34	1 54	5 4	1 4	3 1	2 18	9 37	0 49	13 1	1 46	5 52	13 39	22 39	22 47	24 26	12 57	1 34
S 21	10 51	24 30	1 4	10 25	1 34	20 34	0 28	22 39	1 54	4 58	1 4	3 3	2 18	9 38	0 49	13 1	1 46	5 52	13 39	22 39	22 47	24 26	12 58	1 34
S 22	10 29	22 37	0s 1	9 37	1 28	20 24	0 25	22 45	1 54	4 53	1 4	3 6	2 18	9 39	0 49	13 1	1 46	5 53	13 38	22 39	22 48	24 27	12 58	1 34
M23	10 7	19 39	1 7	8 48	1 21	20 13	0 21	22 50	1 54	4 47	1 4	3 8	2 18	9 40	0 49	13 2	1 45	5 53	13 38	22 39	22 48	24 27	12 59	1 34
T 24	9 45	15 42	2 11	7 58	1 14	20 1	0 18	22 56	1 54	4 42	1 4	3 11	2 18	9 41	0 49	13 2	1 45	5 54	13 38	22 39	22 48	24 28	13 0	1 34
W25	9 23	10 56	3 10	7 7	1 6	19 49	0 14	23 1	1 54	4 36	1 4	3 14	2 18	9 42	0 49	13 3	1 45	5 54	13 37	22 40	22 49	24 28	13 0	1 34
T 26	9 1	5 33	4 1	6 15	0 57	19 36	0 11	23 6	1 53	4 30	1 4	3 16	2 17	9 43	0 49	13 3	1 45	5 54	13 37	22 41	22 49	24 28	13 1	1 34
F 27	8 39	0s11	4 38	5 22	0 48	19 23	0 8	23 11	1 53	4 25	1 4	3 19	2 17	9 44	0 49	13 3	1 45	5 55	13 37	22 42	22 49	24 29	13 2	1 34
S 28	8 16	6 1	5 0	4 29	0 38	19 9	0 5	23 16	1 53	4 19	1 4	3 22	2 17	9 45	0 49	13 4	1 45	5 55	13 36	22 43	22 50	24 29	13 3	1 34
S 29	7s54	11s37	5s 5	3s36	0s28	18s55	0n 1	23n21	1n53	4s13	1s 4	3n24	2s17	9n46	0n49	13n 4	1s45	5n55	13s36	22s44	22s50	24n30	13n 3	1s34

Julian Day Number = 2407746.5, Delta T = -3.27 sec
Ecliptic obliquity = 23°27'20, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°03'56, Lahiri = 22°10'57

ASTRODIENST EPHEMERIS for the year 1880
geocentric

MARCH 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	10 36 42	10♓49'26	1♏47	23♓50	6♒37	7♊31	22♓ 4	14♈ 5	6°R48	9♉44	25♉32	13°R48	12♋49	7♊23	9♉ 8	M 1
T 2	10 40 38	11°49'34	15°59	25°38	7°50	8° 2	22°18	14°11	6♍45	9°46	25°33	13♋43	12°46	7°29	9°11	T 2
W 3	10 44 35	12°49'41	0♐10	27°23	9° 3	8°32	22°33	14°18	6°42	9°47	25°33	13°40	12°42	7°36	9°13	W 3
T 4	10 48 31	13°49'46	14°19	29° 6	10°16	9° 3	22°47	14°25	6°40	9°49	25°34	13°D39	12°39	7°43	9°16	T 4
F 5	10 52 28	14°49'50	28°23	0♈45	11°29	9°34	23° 2	14°32	6°37	9°50	25°34	13°40	12°36	7°49	9°19	F 5
S 6	10 56 24	15°49'52	12♋23	2°21	12°42	10° 5	23°16	14°39	6°35	9°52	25°35	13°R40	12°33	7°56	9°21	S 6
S 7	11 0 21	16°49'53	26°16	3°52	13°55	10°36	23°31	14°46	6°32	9°53	25°35	13°40	12°30	8° 3	9°24	S 7
M 8	11 4 17	17°49'52	10♌ 3	5°19	15° 8	11° 7	23°45	14°53	6°29	9°55	25°36	13°37	12°26	8° 9	9°27	M 8
T 9	11 8 14	18°49'49	23°42	6°39	16°21	11°38	24° 0	15° 0	6°27	9°56	25°36	13°31	12°23	8°16	9°30	T 9
W10	11 12 11	19°49'44	7♓10	7°55	17°34	12° 9	24°14	15° 7	6°24	9°58	25°37	13°23	12°20	8°23	9°33	W10
T 11	11 16 7	20°49'37	20°26	9° 3	18°48	12°41	24°29	15°14	6°22	9°59	25°38	13°12	12°17	8°29	9°36	T 11
F 12	11 20 4	21°49'28	3♈27	10° 5	20° 1	13°13	24°43	15°21	6°19	10° 1	25°38	13° 0	12°14	8°36	9°39	F 12
S 13	11 24 0	22°49'18	16°13	11° 0	21°14	13°44	24°58	15°28	6°17	10° 3	25°39	12°48	12°11	8°43	9°42	S 13
S 14	11 27 57	23°49'05	28°42	11°47	22°27	14°16	25°12	15°36	6°14	10° 4	25°40	12°36	12° 7	8°49	9°45	S 14
M15	11 31 53	24°48'50	10♉57	12°26	23°41	14°48	25°27	15°43	6°12	10° 6	25°41	12°26	12° 4	8°56	9°48	M15
T 16	11 35 50	25°48'33	22°59	12°57	24°54	15°20	25°41	15°50	6° 9	10° 8	25°41	12°19	12° 1	9° 3	9°51	T 16
W17	11 39 46	26°48'13	4♊53	13°20	26° 7	15°52	25°56	15°57	6° 7	10° 9	25°42	12°15	11°58	9° 9	9°54	W17
T 18	11 43 43	27°47'52	16°42	13°35	27°20	16°24	26°10	16° 5	6° 5	10°11	25°43	12°13	11°55	9°16	9°57	T 18
F 19	11 47 40	28°47'28	28°31	13°R41	28°34	16°57	26°25	16°12	6° 2	10°13	25°44	12°D12	11°52	9°23	10° 0	F 19
S 20	11 51 36	29°47'02	10♋26	13°39	29°47	17°29	26°39	16°19	6° 0	10°15	25°44	12°R12	11°48	9°29	10° 4	S 20
S 21	11 55 33	0♈46'34	22°33	13°30	1♓ 0	18° 2	26°54	16°27	5°58	10°17	25°45	12°12	11°45	9°36	10° 7	S 21
M22	11 59 29	1°46'03	4♌57	13°13	2°13	18°34	27° 9	16°34	5°55	10°18	25°46	12°10	11°42	9°43	10°10	M22
T 23	12 3 26	2°45'30	17°42	12°50	3°27	19° 7	27°23	16°42	5°53	10°20	25°47	12° 6	11°39	9°49	10°14	T 23
W24	12 7 22	3°44'55	0♍50	12°19	4°40	19°40	27°38	16°49	5°51	10°22	25°48	11°59	11°36	9°56	10°17	W24
T 25	12 11 19	4°44'17	14°24	11°44	5°53	20°12	27°52	16°57	5°49	10°24	25°49	11°49	11°32	10° 3	10°21	T 25
F 26	12 15 15	5°43'37	28°21	11° 3	7° 7	20°45	28° 6	17° 4	5°46	10°26	25°50	11°38	11°29	10° 9	10°24	F 26
S 27	12 19 12	6°42'56	12♎37	10°19	8°20	21°18	28°21	17°11	5°44	10°28	25°51	11°26	11°26	10°16	10°28	S 27
S 28	12 23 9	7°42'12	27° 8	9°31	9°33	21°51	28°35	17°19	5°42	10°30	25°52	11°15	11°23	10°23	10°31	S 28
M29	12 27 5	8°41'26	11♏45	8°42	10°47	22°24	28°50	17°26	5°40	10°32	25°52	11° 5	11°20	10°29	10°35	M29
T 30	12 31 2	9°40'39	26°21	7°52	12° 0	22°58	29° 4	17°34	5°38	10°34	25°53	10°58	11°17	10°36	10°38	T 30
W31	12 34 58	10♈39'49	10♐51	7♈ 2	13♓13	23♊31	29♓19	17♈42	5♍36	10♉36	25♉54	10♋53	11♋13	10♊43	10♉42	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	7s31	16s38	4s51	2s42	0s17	18s40	0s 2	23n26	1n53	4s 7	1s 4	3n27	2s17	9n47	0n49	13n 5	1s45	5n56	13s36	22s44	22s50	24n30	13n 4	1s34
T 2	7 8	20 45	4 19	1 49	0 5	18 24	0 5	23 31	1 53	4 2	1 4	3 30	2 17	9 48	0 49	13 5	1 45	5 56	13 35	22 45	22 51	24 31	13 5	1 34
W 3	6 45	23 38	3 31	0 56	0n 7	18 8	0 8	23 36	1 52	3 56	1 4	3 33	2 17	9 49	0 49	13 6	1 45	5 57	13 35	22 45	22 51	24 31	13 6	1 34
T 4	6 22	25 1	2 30	0 4	0 19	17 52	0 11	23 40	1 52	3 50	1 4	3 35	2 17	9 50	0 49	13 6	1 45	5 57	13 35	22 45	22 51	24 31	13 7	1 34
F 5	5 59	24 48	1 21	0n48	0 32	17 35	0 14	23 45	1 52	3 45	1 4	3 38	2 16	9 50	0 49	13 7	1 45	5 57	13 35	22 45	22 51	24 32	13 8	1 34
S 6	5 35	23 0	0 7	1 38	0 45	17 17	0 17	23 49	1 52	3 39	1 4	3 41	2 16	9 51	0 49	13 7	1 45	5 58	13 34	22 45	22 52	24 32	13 8	1 34
S 7	5 12	19 49	1n 7	2 26	0 59	16 59	0 20	23 53	1 52	3 33	1 4	3 44	2 16	9 52	0 49	13 8	1 45	5 58	13 34	22 45	22 52	24 33	13 9	1 34
M 8	4 49	15 34	2 16	3 13	1 12	16 41	0 23	23 58	1 51	3 27	1 4	3 46	2 16	9 53	0 49	13 8	1 45	5 59	13 34	22 46	22 52	24 33	13 10	1 34
T 9	4 25	10 33	3 16	3 58	1 26	16 22	0 26	24 2	1 51	3 22	1 4	3 49	2 16	9 54	0 49	13 9	1 45	5 59	13 33	22 46	22 53	24 33	13 11	1 34
W10	4 2	5 6	4 5	4 40	1 39	16 2	0 29	24 6	1 51	3 16	1 4	3 52	2 16	9 55	0 49	13 9	1 45	6 0	13 33	22 47	22 53	24 34	13 12	1 34
T 11	3 38	0n29	4 39	5 19	1 53	15 42	0 32	24 10	1 51	3 10	1 4	3 55	2 16	9 56	0 49	13 10	1 45	6 0	13 33	22 48	22 53	24 34	13 13	1 34
F 12	3 15	5 56	4 58	5 55	2 5	15 22	0 34	24 14	1 51	3 4	1 4	3 58	2 16	9 57	0 49	13 10	1 45	6 0	13 33	22 49	22 54	24 34	13 14	1 34
S 13	2 51	11 1	5 1	6 28	2 18	15 1	0 37	24 17	1 50	2 59	1 4	4 1	2 16	9 58	0 49	13 11	1 45	6 1	13 32	22 50	22 54	24 35	13 15	1 34
S 14	2 27	15 32	4 50	6 57	2 30	14 40	0 40	24 21	1 50	2 53	1 4	4 3	2 16	9 59	0 49	13 12	1 44	6 1	13 32	22 51	22 54	24 35	13 16	1 34
M15	2 4	19 20	4 26	7 23	2 41	14 18	0 42	24 24	1 50	2 47	1 4	4 6	2 16	10 0	0 49	13 12	1 44	6 2	13 32	22 52	22 54	24 35	13 17	1 34
T 16	1 40	22 14	3 50	7 45	2 51	13 56	0 45	24 28	1 50	2 41	1 4	4 9	2 15	10 1	0 49	13 13	1 44	6 2	13 31	22 53	22 55	24 36	13 18	1 34
W17	1 16	24 9	3 4	8 2	3 0	13 34	0 48	24 31	1 49	2 36	1 4	4 12	2 15	10 2	0 49	13 13	1 44	6 3	13 31	22 53	22 55	24 36	13 19	1 34
T 18	0 53	24 58	2 11	8 15	3 9	13 11	0 50	24 34	1 49	2 30	1 4	4 15	2 15	10 2	0 49	13 14	1 44	6 3	13 31	22 54	22 55	24 36	13 20	1 34
F 19	0 29	24 39	1 12	8 24	3 15	12 48	0 52	24 37	1 49	2 24	1 4	4 18	2 15	10 3	0 49	13 14	1 44	6 3	13 31	22 54	22 56	24 36	13 21	1 34
S 20	0 5	23 12	0 9	8 29	3 21	12 25	0 55	24 40	1 49	2 18	1 4	4 21	2 15	10 4	0 49	13 15	1 44	6 4	13 30	22 54	22 56	24 37	13 22	1 34
S 21	0n19	20 40	0s55	8 29	3 25	12 1	0 57	24 43	1 48	2 13	1 4	4 23	2 15	10 5	0 48	13 16	1 44	6 4	13 30	22 54	22 56	24 37	13 23	1 34
M22	0 42	17 8	1 57	8 24	3 27	11 37	0 59	24 45	1 48	2 7	1 4	4 26	2 15	10 6	0 48	13 16	1 44	6 5	13 30	22 54	22 56	24 37	13 24	1 34
T 23	1 6	12 45	2 56	8 16	3 28	11 12	1 1	24 48	1 48	2 1	1 4	4 29	2 15	10 7	0 48	13 17	1 44	6 5	13 30	22 54	22 57	24 38	13 25	1 34
W24	1 29	7 38	3 47	8 3	3 27	10 47	1 4	24 50	1 48	1 55	1 4	4 32	2 15	10 7	0 48	13 18	1 44	6 6	13 29	22 55	22 57	24 38	13 26	1 34
T 25	1 53	2 2	4 27	7 46	3 24	10 22	1 6	24 53	1 47	1 50	1 4	4 35	2 15	10 8	0 48	13 18	1 44	6 6	13 29	22 56	22 57	24 38	13 27	1 34
F 26	2 17	3s49	4 52	7 26	3 20	9 57	1 8	24 55	1 47	1 44	1 4	4 38	2 15	10 9	0 48	13 19	1 44	6 6	13 29	22 57	22 58	24 38	13 28	1 34
S 27	2 40	9 36	5 0	7 3	3 13	9 31	1 9	24 57	1 47	1 38	1 4	4 41	2 15	10 10	0 48	13 19	1 44	6 7	13 29	22 58	22 58	24 39	13 29	1 34
S 28	3 3	14 57	4 49	6 37	3 5	9 6	1 11	24 59	1 46	1 32	1 4	4 44	2 15	10 11	0 48	13 20	1 44	6 7	13 28	22 59	22 58	24 39	13 30	1 34
M29	3 27	19 28	4 19	6 9	2 56	8 39	1 13	25 0	1 46	1 27	1 4	4 47	2 15	10 11	0 48	13 21	1 44	6 8	13 28	23 0	22 58	24 39	13 31	1 34
T 30	3 50	22 47	3 32	5 39	2 45	8 13	1 15	25 2	1 46	1 21	1 4	4 49	2 15	10 12	0 48	13 21	1 44	6 8	13 28	23 0	22 59	24 39	13 32	1 34
W31	4n13	24s35	2s31	5n 7	2n32	7s46	1s16	25n 3	1n46	1s15	1s 4	4n52	2s15	10n13	0n48	13n22	1s44	6n 9	13s28	23s 1	22s59	24n39	13n33	1s34

Julian Day Number = 2407775.5, Delta T = -3.30 sec
Ecliptic obliquity = 23°27'20, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°04'00, Lahiri = 22°11'01

ASTRODIENST EPHEMERIS for the year 1880
geocentric

APRIL 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	12 38 55	11♈38'58	25♐10	6°R13	14♓27	24♊ 4	29♓33	17♈49	5°R34	10♉38	25♉55	10°R51	11♑10	10♊49	10♉46	T 1
F 2	12 42 51	12°38'06	9♑16	5♈26	15°40	24°38	29°47	17°57	5♍32	10°40	25°56	10♑51	11° 7	10°56	10°49	F 2
S 3	12 46 48	13°37'11	23° 9	4°42	16°54	25°11	0♈ 2	18° 4	5°30	10°42	25°58	10°51	11° 4	11° 3	10°53	S 3
S 4	12 50 44	14°36'15	6♒49	4° 1	18° 7	25°45	0°16	18°12	5°28	10°44	25°59	10°50	11° 1	11° 9	10°57	S 4
M 5	12 54 41	15°35'17	20°17	3°25	19°20	26°18	0°30	18°19	5°26	10°46	26° 0	10°46	10°58	11°16	11° 1	M 5
T 6	12 58 38	16°34'17	3♓33	2°53	20°34	26°52	0°45	18°27	5°25	10°48	26° 1	10°40	10°54	11°23	11° 4	T 6
W 7	13 2 34	17°33'15	16°38	2°26	21°47	27°26	0°59	18°34	5°23	10°50	26° 2	10°31	10°51	11°29	11° 8	W 7
T 8	13 6 31	18°32'11	29°32	2° 3	23° 1	27°59	1°13	18°42	5°21	10°52	26° 3	10°19	10°48	11°36	11°12	T 8
F 9	13 10 27	19°31'06	12♈14	1°47	24°14	28°33	1°27	18°50	5°19	10°54	26° 4	10° 6	10°45	11°43	11°16	F 9
S 10	13 14 24	20°29'58	24°44	1°35	25°27	29° 7	1°41	18°57	5°18	10°57	26° 5	9°53	10°42	11°49	11°20	S 10
S 11	13 18 20	21°28'49	7♉ 2	1°29	26°41	29°41	1°56	19° 5	5°16	10°59	26° 6	9°40	10°38	11°56	11°23	S 11
M12	13 22 17	22°27'37	19°10	1°D28	27°54	0♋15	2°10	19°12	5°15	11° 1	26° 7	9°29	10°35	12° 3	11°27	M12
T 13	13 26 13	23°26'23	1♊ 7	1°33	29° 8	0°49	2°24	19°20	5°13	11° 3	26° 9	9°21	10°32	12° 9	11°31	T 13
W14	13 30 10	24°25'07	12°58	1°42	0♈21	1°23	2°38	19°27	5°12	11° 5	26°10	9°15	10°29	12°16	11°35	W14
T 15	13 34 6	25°23'50	24°45	1°56	1°35	1°58	2°52	19°35	5°10	11° 7	26°11	9°12	10°26	12°23	11°39	T 15
F 16	13 38 3	26°22'29	6♋34	2°16	2°48	2°32	3° 6	19°43	5° 9	11°10	26°12	9°D11	10°23	12°29	11°43	F 16
S 17	13 42 0	27°21'07	18°28	2°39	4° 1	3° 6	3°20	19°50	5° 8	11°12	26°13	9°11	10°19	12°36	11°47	S 17
S 18	13 45 56	28°19'42	0♌33	3° 8	5°15	3°40	3°33	19°58	5° 6	11°14	26°14	9°R12	10°16	12°43	11°51	S 18
M19	13 49 53	29°18'16	12°55	3°40	6°28	4°15	3°47	20° 5	5° 5	11°16	26°16	9°11	10°13	12°49	11°55	M19
T 20	13 53 49	0♉16'47	25°39	4°16	7°42	4°49	4° 1	20°13	5° 4	11°18	26°17	9° 8	10°10	12°56	11°59	T 20
W21	13 57 46	1°15'15	8♍48	4°57	8°55	5°24	4°15	20°20	5° 3	11°21	26°18	9° 3	10° 7	13° 3	12° 3	W21
T 22	14 1 42	2°13'42	22°25	5°41	10° 8	5°58	4°28	20°28	5° 2	11°23	26°19	8°56	10° 3	13° 9	12° 7	T 22
F 23	14 5 39	3°12'07	6♎31	6°28	11°22	6°33	4°42	20°35	5° 1	11°25	26°21	8°47	10° 0	13°16	12°11	F 23
S 24	14 9 35	4°10'29	21° 1	7°19	12°35	7° 7	4°56	20°43	5° 0	11°27	26°22	8°37	9°57	13°22	12°15	S 24
S 25	14 13 32	5° 8'50	5♏49	8°13	13°49	7°42	5° 9	20°50	4°59	11°30	26°23	8°27	9°54	13°29	12°19	S 25
M26	14 17 29	6° 7'09	20°48	9°10	15° 2	8°17	5°23	20°57	4°58	11°32	26°24	8°19	9°51	13°36	12°23	M26
T 27	14 21 25	7° 5'26	5♐48	10°10	16°16	8°51	5°36	21° 5	4°57	11°34	26°26	8°13	9°48	13°42	12°27	T 27
W28	14 25 22	8° 3'42	20°40	11°13	17°29	9°26	5°50	21°12	4°57	11°36	26°27	8° 9	9°44	13°49	12°31	W28
T 29	14 29 18	9° 1'56	5♑17	12°19	18°42	10° 1	6° 3	21°20	4°56	11°39	26°28	8°D 8	9°41	13°56	12°35	T 29
F 30	14 33 15	10♉ 0'08	19♑37	13♈27	19♈56	10♋36	6♈16	21♈27	4♍55	11♉41	26♉30	8♑ 9	9♑38	14♊ 2	12♉39	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	4n37	24s44	1s22	4n36	2n19	7s20	1s18	25n 5	1n45	1s10	1s 4	4n55	2s15	10n13	0n48	13n23	1s44	6n 9	13s27	23s 1	22s59	24n40	13n34	1s34	
F 2	5 0	23 16	0 8	4 4	2 4	6 52	1 19	25 6	1 45	1 4	1 4	4 58	2 15	10 14	0 48	13 23	1 44	6 10	13 27	23 1	22 59	24 40	13 35	1 34	
S 3	5 23	20 24	1n 5	3 32	1 49	6 25	1 21	25 7	1 45	0 58	1 4	5 1	2 15	10 15	0 48	13 24	1 44	6 10	13 27	23 1	23 0	24 40	13 36	1 34	
S 4	5 46	16 26	2 13	3 2	1 33	5 58	1 22	25 8	1 44	0 53	1 4	5 4	2 15	10 15	0 48	13 25	1 44	6 10	13 27	23 1	23 0	24 40	13 38	1 34	
M 5	6 8	11 42	3 12	2 32	1 17	5 30	1 24	25 8	1 44	0 47	1 5	5 7	2 15	10 16	0 48	13 25	1 44	6 11	13 27	23 1	23 0	24 40	13 39	1 34	
T 6	6 31	6 28	4 0	2 5	1 1	5 2	1 25	25 9	1 44	0 41	1 5	5 10	2 15	10 17	0 48	13 26	1 44	6 11	13 26	23 2	23 0	24 41	13 40	1 34	
W 7	6 54	1 3	4 35	1 39	0 45	4 35	1 26	25 9	1 44	0 36	1 5	5 12	2 15	10 17	0 48	13 27	1 44	6 12	13 26	23 2	23 1	24 41	13 41	1 34	
T 8	7 16	4n19	4 55	1 15	0 29	4 6	1 27	25 10	1 43	0 30	1 5	5 15	2 15	10 18	0 48	13 27	1 44	6 12	13 26	23 3	23 1	24 41	13 42	1 34	
F 9	7 39	9 26	5 0	0 54	0 13	3 38	1 28	25 10	1 43	0 25	1 5	5 18	2 15	10 19	0 48	13 28	1 44	6 13	13 26	23 4	23 1	24 41	13 43	1 35	
S 10	8 1	14 5	4 50	0 35	0s 3	3 10	1 29	25 10	1 43	0 19	1 5	5 21	2 15	10 19	0 48	13 29	1 44	6 13	13 26	23 5	23 1	24 41	13 44	1 35	
S 11	8 23	18 5	4 27	0 19	0 18	2 42	1 30	25 10	1 42	0 14	1 5	5 24	2 15	10 20	0 48	13 29	1 44	6 13	13 25	23 6	23 2	24 41	13 46	1 35	
M12	8 45	21 15	3 52	0 5	0 32	2 13	1 31	25 9	1 42	0 8	1 5	5 27	2 15	10 20	0 48	13 30	1 44	6 14	13 25	23 7	23 2	24 41	13 47	1 35	
T 13	9 7	23 27	3 7	0s 6	0 46	1 45	1 31	25 9	1 42	0 3	1 5	5 30	2 15	10 21	0 48	13 31	1 44	6 14	13 25	23 8	23 2	24 42	13 48	1 35	
W14	9 28	24 36	2 14	0 14	1 0	1 16	1 32	25 8	1 41	0n 3	1 5	5 32	2 15	10 21	0 48	13 31	1 44	6 15	13 25	23 8	23 2	24 42	13 49	1 35	
T 15	9 50	24 37	1 16	0 20	1 12	0 47	1 33	25 8	1 41	0 8	1 5	5 35	2 15	10 22	0 48	13 32	1 44	6 15	13 25	23 8	23 3	24 42	13 50	1 35	
F 16	10 11	23 32	0 14	0 23	1 24	0 19	1 33	25 7	1 41	0 14	1 5	5 38	2 15	10 22	0 48	13 33	1 43	6 16	13 24	23 8	23 3	24 42	13 51	1 35	
S 17	10 32	21 22	0s49	0 24	1 35	0n10	1 34	25 6	1 41	0 19	1 5	5 41	2 15	10 23	0 48	13 34	1 43	6 16	13 24	23 8	23 3	24 42	13 52	1 35	
S 18	10 53	18 14	1 51	0 22	1 46	0 39	1 34	25 4	1 40	0 25	1 6	5 44	2 15	10 23	0 48	13 34	1 43	6 16	13 24	23 8	23 3	24 42	13 54	1 35	
M19	11 14	14 14	2 49	0 19	1 56	1 8	1 34	25 3	1 40	0 30	1 6	5 46	2 15	10 23	0 48	13 35	1 43	6 17	13 24	23 8	23 4	24 42	13 55	1 35	
T 20	11 35	9 31	3 41	0 12	2 5	1 36	1 34	25 2	1 40	0 36	1 6	5 49	2 15	10 24	0 48	13 36	1 43	6 17	13 24	23 8	23 4	24 42	13 56	1 35	
W21	11 55	4 13	4 23	0 4	2 13	2 5	1 35	25 0	1 39	0 41	1 6	5 52	2 15	10 24	0 48	13 36	1 43	6 18	13 24	23 9	23 4	24 42	13 57	1 35	
T 22	12 15	1s27	4 51	0n 6	2 20	2 34	1 35	24 58	1 39	0 46	1 6	5 55	2 15	10 25	0 48	13 37	1 43	6 18	13 23	23 9	23 4	24 42	13 58	1 35	
F 23	12 35	7 13	5 3	0 19	2 27	3 3	1 35	24 56	1 39	0 52	1 6	5 58	2 15	10 25	0 48	13 38	1 43	6 19	13 23	23 10	23 5	24 43	13 59	1 35	
S 24	12 55	12 47	4 56	0 33	2 33	3 31	1 35	24 54	1 38	0 57	1 6	6 0	2 15	10 25	0 48	13 38	1 43	6 19	13 23	23 11	23 5	24 43	14 1	1 35	
S 25	13 15	17 43	4 30	0 50	2 39	4 0	1 35	24 52	1 38	1 2	1 6	6 3	2 15	10 26	0 47	13 39	1 43	6 19	13 23	23 11	23 5	24 43	14 2	1 35	
M26	13 34	21 34	3 45	1 8	2 44	4 29	1 34	24 49	1 38	1 7	1 6	6 6	2 15	10 26	0 47	13 40	1 43	6 20	13 23	23 12	23 5	24 43	14 3	1 36	
T 27	13 53	23 58	2 44	1 28	2 48	4 57	1 34	24 47	1 37	1 13	1 6	6 8	2 15	10 26	0 47	13 40	1 43	6 20	13 23	23 12	23 6	24 43	14 4	1 36	
W28	14 12	24 39	1 32	1 49	2 51	5 25	1 34	24 44	1 37	1 18	1 7	6 11	2 15	10 26	0 47	13 41	1 43	6 21	13 23	23 12	23 6	24 43	14 5	1 36	
T 29	14 31	23 36	0 15	2 12	2 54	5 54	1 33	24 41	1 37	1 23	1 7	6 14	2 15	10 27	0 47	13 42	1 43	6 21	13 23	23 12	23 6	24 43	14 6	1 36	
F 30	14n49	21s 1	1n 1	2n37	2s56	6n22	1s33	24n38	1n36	1n28	1s 7	6n16	2s15	10n27	0n47	13n43	1s43	6n21	13s22	23s12	23s 6	24n43	14n 8	1s36	

Julian Day Number = 2407806.5, Delta T = -3.33 sec
Ecliptic obliquity = 23°27'20, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°04'05, Lahiri = 22°11'05

ASTRODIENST EPHEMERIS for the year 1880
geocentric

MAY 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	14 37 11	10♉58'19	3♒36	14♈38	21♈ 9	11♋11	6♈29	21♈34	4°R55	11♉43	26♉31	8♑ 9	9♑35	14♊ 9	12♉44	S 1
S 2	14 41 8	11°56'29	17°15	15°51	22°23	11°46	6°43	21°41	4♍54	11°45	26°32	8°R 9	9°32	14°16	12°48	S 2
M 3	14 45 4	12°54'37	0♓35	17° 7	23°36	12°21	6°56	21°49	4°53	11°48	26°34	8° 8	9°29	14°22	12°52	M 3
T 4	14 49 1	13°52'44	13°39	18°25	24°49	12°56	7° 9	21°56	4°53	11°50	26°35	8° 4	9°25	14°29	12°56	T 4
W 5	14 52 58	14°50'49	26°28	19°46	26° 3	13°31	7°22	22° 3	4°53	11°52	26°36	7°58	9°22	14°36	13° 0	W 5
T 6	14 56 54	15°48'53	9♈ 4	21° 9	27°16	14° 6	7°35	22°10	4°52	11°54	26°38	7°50	9°19	14°42	13° 4	T 6
F 7	15 0 51	16°46'55	21°29	22°33	28°30	14°41	7°48	22°18	4°52	11°57	26°39	7°41	9°16	14°49	13° 8	F 7
S 8	15 4 47	17°44'56	3♉44	24° 0	29°43	15°16	8° 0	22°25	4°52	11°59	26°40	7°32	9°13	14°56	13°12	S 8
S 9	15 8 44	18°42'55	15°50	25°30	0♉57	15°51	8°13	22°32	4°51	12° 1	26°42	7°23	9° 9	15° 2	13°16	S 9
M10	15 12 40	19°40'53	27°48	27° 1	2°10	16°27	8°26	22°39	4°51	12° 3	26°43	7°15	9° 6	15° 9	13°20	M10
T 11	15 16 37	20°38'49	9♊40	28°35	3°23	17° 2	8°38	22°46	4°51	12° 6	26°44	7°10	9° 3	15°16	13°24	T 11
W12	15 20 33	21°36'44	21°28	0♉10	4°37	17°37	8°51	22°53	4°D51	12° 8	26°46	7° 6	9° 0	15°22	13°28	W12
T 13	15 24 30	22°34'37	3♋14	1°48	5°50	18°12	9° 3	23° 0	4°51	12°10	26°47	7°D 5	8°57	15°29	13°32	T 13
F 14	15 28 27	23°32'28	15° 3	3°27	7° 4	18°48	9°16	23° 7	4°51	12°12	26°48	7° 5	8°54	15°36	13°36	F 14
S 15	15 32 23	24°30'18	26°58	5° 9	8°17	19°23	9°28	23°14	4°51	12°15	26°50	7° 6	8°50	15°42	13°41	S 15
S 16	15 36 20	25°28'06	9♌ 3	6°53	9°31	19°59	9°40	23°20	4°52	12°17	26°51	7° 8	8°47	15°49	13°45	S 16
M17	15 40 16	26°25'52	21°24	8°39	10°44	20°34	9°52	23°27	4°52	12°19	26°52	7°R 9	8°44	15°56	13°49	M17
T 18	15 44 13	27°23'37	4♍ 5	10°27	11°57	21°10	10° 4	23°34	4°52	12°21	26°54	7° 9	8°41	16° 2	13°53	T 18
W19	15 48 9	28°21'20	17°10	12°17	13°11	21°45	10°16	23°41	4°53	12°23	26°55	7° 7	8°38	16° 9	13°57	W19
T 20	15 52 6	29°19'01	0♎43	14°10	14°24	22°21	10°28	23°47	4°53	12°26	26°56	7° 4	8°35	16°16	14° 1	T 20
F 21	15 56 2	0♊16'41	14°45	16° 4	15°38	22°56	10°40	23°54	4°53	12°28	26°58	7° 0	8°31	16°22	14° 5	F 21
S 22	15 59 59	1°14'19	29°14	18° 0	16°51	23°32	10°52	24° 1	4°54	12°30	26°59	6°54	8°28	16°29	14° 8	S 22
S 23	16 3 56	2°11'56	14♏ 6	19°59	18° 5	24° 8	11° 3	24° 7	4°54	12°32	27° 1	6°49	8°25	16°36	14°12	S 23
M24	16 7 52	3° 9'31	29°13	21°59	19°18	24°43	11°15	24°14	4°55	12°34	27° 2	6°45	8°22	16°42	14°16	M24
T 25	16 11 49	4° 7'06	14♐25	24° 1	20°31	25°19	11°26	24°20	4°56	12°36	27° 3	6°42	8°19	16°49	14°20	T 25
W26	16 15 45	5° 4'39	29°33	26° 5	21°45	25°55	11°38	24°26	4°56	12°39	27° 5	6°D41	8°15	16°56	14°24	W26
T 27	16 19 42	6° 2'11	14♑28	28°11	22°58	26°30	11°49	24°33	4°57	12°41	27° 6	6°41	8°12	17° 2	14°28	T 27
F 28	16 23 38	6°59'43	29° 4	0♊18	24°12	27° 6	12° 0	24°39	4°58	12°43	27° 7	6°42	8° 9	17° 9	14°32	F 28
S 29	16 27 35	7°57'13	13♒16	2°26	25°25	27°42	12°11	24°45	4°59	12°45	27° 9	6°43	8° 6	17°16	14°36	S 29
S 30	16 31 32	8°54'43	27° 3	4°36	26°39	28°18	12°22	24°51	5° 0	12°47	27°10	6°44	8° 3	17°22	14°40	S 30
M31	16 35 28	9♊52'12	10♓26	6♊47	27♉52	28♋54	12♈33	24♈58	5♍ 1	12♉49	27♉11	6°R45	8♑ 0	17♊29	14♉43	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	15n 8	17s13	2n12	3n 3	2s57	6n50	1s32	24n35	1n36	1n33	1s 7	6n19	2s16	10n27	0n47	13n43	1s43	6n22	13s22	23s12	23s 7	24n43	14n 9	1s36	S 1
S 2	15 26	12 36	3 14	3 30	2 58	7 18	1 32	24 31	1 36	1 38	1 7	6 22	2 16	10 27	0 47	13 44	1 43	6 22	13 22	23 12	23 7	24 43	14 10	1 36	S 2
M 3	15 43	7 28	4 3	3 59	2 58	7 46	1 31	24 28	1 35	1 44	1 7	6 24	2 16	10 27	0 47	13 45	1 43	6 22	13 22	23 12	23 7	24 43	14 11	1 36	M 3
T 4	16 1	2 8	4 39	4 29	2 58	8 13	1 30	24 24	1 35	1 49	1 7	6 27	2 16	10 27	0 47	13 45	1 43	6 23	13 22	23 13	23 7	24 43	14 12	1 36	T 4
W 5	16 18	3n11	5 0	5 0	2 57	8 41	1 30	24 20	1 35	1 54	1 7	6 30	2 16	10 28	0 47	13 46	1 43	6 23	13 22	23 13	23 7	24 43	14 13	1 36	W 5
T 6	16 35	8 17	5 6	5 33	2 55	9 8	1 29	24 16	1 34	1 59	1 7	6 32	2 16	10 28	0 47	13 47	1 43	6 24	13 22	23 13	23 8	24 43	14 14	1 36	T 6
F 7	16 52	12 59	4 58	6 6	2 53	9 35	1 28	24 12	1 34	2 4	1 8	6 35	2 16	10 28	0 47	13 47	1 43	6 24	13 22	23 14	23 8	24 43	14 16	1 36	F 7
S 8	17 8	17 5	4 35	6 41	2 50	10 2	1 27	24 8	1 34	2 8	1 8	6 37	2 16	10 28	0 47	13 48	1 43	6 24	13 22	23 14	23 8	24 43	14 17	1 37	S 8
S 9	17 24	20 26	4 1	7 16	2 47	10 28	1 26	24 3	1 33	2 13	1 8	6 40	2 16	10 28	0 47	13 49	1 43	6 25	13 22	23 15	23 8	24 43	14 18	1 37	S 9
M10	17 40	22 52	3 16	7 53	2 43	10 55	1 25	23 59	1 33	2 18	1 8	6 42	2 16	10 28	0 47	13 49	1 43	6 25	13 22	23 15	23 9	24 42	14 19	1 37	M10
T 11	17 56	24 16	2 23	8 30	2 39	11 21	1 23	23 54	1 33	2 23	1 8	6 45	2 16	10 28	0 47	13 50	1 43	6 25	13 22	23 16	23 9	24 42	14 20	1 37	T 11
W12	18 11	24 34	1 24	9 8	2 34	11 47	1 22	23 49	1 32	2 28	1 8	6 47	2 16	10 28	0 47	13 51	1 43	6 26	13 21	23 16	23 9	24 42	14 21	1 37	W12
T 13	18 26	23 46	0 21	9 47	2 28	12 12	1 21	23 44	1 32	2 33	1 8	6 50	2 17	10 28	0 47	13 51	1 43	6 26	13 21	23 16	23 9	24 42	14 22	1 37	T 13
F 14	18 40	21 53	0s43	10 27	2 22	12 38	1 20	23 39	1 32	2 37	1 9	6 52	2 17	10 28	0 47	13 52	1 43	6 26	13 21	23 16	23 9	24 42	14 23	1 37	F 14
S 15	18 55	19 3	1 46	11 7	2 15	13 3	1 18	23 33	1 31	2 42	1 9	6 55	2 17	10 28	0 47	13 53	1 43	6 27	13 21	23 16	23 10	24 42	14 25	1 37	S 15
S 16	19 8	15 21	2 45	11 48	2 8	13 27	1 17	23 28	1 31	2 47	1 9	6 57	2 17	10 27	0 47	13 53	1 43	6 27	13 21	23 16	23 10	24 42	14 26	1 37	S 16
M17	19 22	10 56	3 38	12 29	2 1	13 52	1 15	23 22	1 31	2 51	1 9	6 59	2 17	10 27	0 47	13 54	1 43	6 27	13 21	23 16	23 10	24 42	14 27	1 37	M17
T 18	19 35	5 58	4 21	13 11	1 53	14 16	1 14	23 16	1 30	2 56	1 9	7 2	2 17	10 27	0 47	13 55	1 43	6 28	13 21	23 16	23 10	24 42	14 28	1 37	T 18
W19	19 48	0 34	4 53	13 52	1 45	14 39	1 12	23 10	1 30	3 0	1 9	7 4	2 17	10 27	0 47	13 55	1 43	6 28	13 21	23 16	23 10	24 42	14 29	1 38	W19
T 20	20 1	5s 1	5 10	14 34	1 36	15 3	1 11	23 4	1 29	3 5	1 9	7 7	2 17	10 27	0 46	13 56	1 43	6 28	13 21	23 16	23 11	24 42	14 30	1 38	T 20
F 21	20 13	10 33	5 9	15 16	1 27	15 26	1 9	22 58	1 29	3 9	1 10	7 9	2 18	10 27	0 46	13 57	1 43	6 29	13 21	23 16	23 11	24 41	14 31	1 38	F 21
S 22	20 25	15 42	4 48	15 58	1 17	15 49	1 7	22 52	1 29	3 14	1 10	7 11	2 18	10 26	0 46	13 57	1 44	6 29	13 21	23 16	23 11	24 41	14 32	1 38	S 22
S 23	20 37	20 2	4 8	16 40	1 7	16 11	1 5	22 45	1 28	3 18	1 10	7 13	2 18	10 26	0 46	13 58	1 44	6 29	13 21	23 17	23 11	24 41	14 33	1 38	S 23
M24	20 48	23 6	3 11	17 21	0 57	16 33	1 4	22 38	1 28	3 23	1 10	7 16	2 18	10 26	0 46	13 59	1 44	6 29	13 21	23 17	23 11	24 41	14 34	1 38	M24
T 25	20 59	24 31	1 59	18 2	0 47	16 54	1 2	22 31	1 28	3 27	1 10	7 18	2 18	10 26	0 46	13 59	1 44	6 30	13 21	23 17	23 12	24 41	14 35	1 38	T 25
W26	21 10	24 6	0 39	18 42	0 36	17 15	1 0	22 24	1 27	3 31	1 10	7 20	2 18	10 25	0 46	14 0	1 44	6 30	13 21	23 17	23 12	24 41	14 36	1 38	W26
T 27	21 20	21 58	0n43	19 21	0 26	17 36	0 58	22 17	1 27	3 36	1 11	7 22	2 18	10 25	0 46	14 0	1 44	6 30	13 21	23 17	23 12	24 41	14 37	1 38	T 27
F 28	21 30	18 24	2 0	19 59	0 15	17 56	0 56	22 10	1 27	3 40	1 11	7 24	2 19	10 25	0 46	14 1	1 44	6 31	13 21	23 17	23 12	24 40	14 38	1 39	F 28
S 29	21 39	13 51	3 7	20 35	0 4	18 15	0 54	22 3	1 26	3 44	1 11	7 27	2 19	10 24	0 46	14 2	1 44	6 31	13 21	23 17	23 12	24 40	14 39	1 39	S 29
S 30	21 48	8 42	4 2	21 11	0n 6	18 35	0 52	21 55	1 26	3 48	1 11	7 29	2 19	10 24	0 46	14 2	1 44	6 31	13 21	23 17	23 13	24 40	14 40	1 39	S 30
M31	21n57	3s18	4n42	21n44	0n17	18n53	0s50	21n47	1n25	3n52	1s11	7n31	2s19	10n24	0n46	14n 3	1s44	6n31	13s21	23s17	23s13	24n40	14n41	1s39	M31

Julian Day Number = 2407836.5, Delta T = -3.36 sec
Ecliptic obliquity = 23°27'19, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°04'09, Lahiri = 22°11'09

ASTRODIENST EPHEMERIS for the year 1880
geocentric

JUNE 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	16 39 25	10♊49'40	23♓27	8♊58	29♉ 6	29♋30	12♈44	25♈ 4	5♍ 2	12♉51	27♉13	6°R44	7♑56	17♊35	14♉47	T 1
W 2	16 43 21	11°47'07	6♈10	11°10	0♊19	0♌ 6	12°55	25°10	5° 3	12°53	27°14	6♑42	7°53	17°42	14°51	W 2
T 3	16 47 18	12°44'33	18°36	13°22	1°33	0°42	13° 5	25°16	5° 4	12°55	27°15	6°40	7°50	17°49	14°55	T 3
F 4	16 51 14	13°41'59	0♉49	15°34	2°46	1°18	13°16	25°22	5° 5	12°57	27°17	6°36	7°47	17°55	14°58	F 4
S 5	16 55 11	14°39'25	12°53	17°46	4° 0	1°54	13°26	25°27	5° 6	12°59	27°18	6°33	7°44	18° 2	15° 2	S 5
S 6	16 59 7	15°36'49	24°49	19°57	5°13	2°30	13°36	25°33	5° 8	13° 1	27°19	6°29	7°41	18° 9	15° 6	S 6
M 7	17 3 4	16°34'13	6♊40	22° 7	6°27	3° 6	13°47	25°39	5° 9	13° 3	27°20	6°26	7°37	18°15	15° 9	M 7
T 8	17 7 1	17°31'36	18°28	24°16	7°40	3°42	13°57	25°45	5°10	13° 5	27°22	6°25	7°34	18°22	15°13	T 8
W 9	17 10 57	18°28'59	0♋15	26°24	8°54	4°18	14° 6	25°50	5°12	13° 7	27°23	6°24	7°31	18°29	15°17	W 9
T 10	17 14 54	19°26'20	12° 4	28°30	10° 7	4°54	14°16	25°56	5°13	13° 9	27°24	6°D24	7°28	18°35	15°20	T 10
F 11	17 18 50	20°23'41	23°57	0♋35	11°21	5°30	14°26	26° 1	5°15	13°11	27°26	6°24	7°25	18°42	15°24	F 11
S 12	17 22 47	21°21'01	5♌57	2°38	12°34	6° 7	14°36	26° 7	5°17	13°13	27°27	6°25	7°21	18°49	15°27	S 12
S 13	17 26 43	22°18'19	18° 7	4°39	13°48	6°43	14°45	26°12	5°18	13°14	27°28	6°27	7°18	18°55	15°31	S 13
M14	17 30 40	23°15'38	0♍31	6°38	15° 1	7°19	14°54	26°17	5°20	13°16	27°29	6°28	7°15	19° 2	15°34	M14
T 15	17 34 36	24°12'55	13°13	8°34	16°15	7°55	15° 4	26°22	5°22	13°18	27°31	6°29	7°12	19° 9	15°38	T 15
W16	17 38 33	25°10'11	26°16	10°29	17°28	8°32	15°13	26°27	5°23	13°20	27°32	6°R29	7° 9	19°15	15°41	W16
T 17	17 42 30	26° 7'26	9♎43	12°21	18°42	9° 8	15°22	26°33	5°25	13°22	27°33	6°29	7° 6	19°22	15°44	T 17
F 18	17 46 26	27° 4'41	23°35	14°11	19°55	9°44	15°30	26°37	5°27	13°23	27°34	6°28	7° 2	19°29	15°48	F 18
S 19	17 50 23	28° 1'55	7♏54	15°59	21° 9	10°21	15°39	26°42	5°29	13°25	27°35	6°27	6°59	19°35	15°51	S 19
S 20	17 54 19	28°59'09	22°35	17°44	22°23	10°57	15°48	26°47	5°31	13°27	27°37	6°26	6°56	19°42	15°54	S 20
M21	17 58 16	29°56'22	7♐34	19°28	23°36	11°34	15°56	26°52	5°33	13°29	27°38	6°25	6°53	19°49	15°57	M21
T 22	18 2 12	0♋53'34	22°44	21° 8	24°50	12°10	16° 4	26°57	5°35	13°30	27°39	6°25	6°50	19°55	16° 1	T 22
W23	18 6 9	1°50'46	7♑54	22°47	26° 3	12°47	16°13	27° 1	5°37	13°32	27°40	6°D25	6°47	20° 2	16° 4	W23
T 24	18 10 5	2°47'58	22°56	24°23	27°17	13°23	16°21	27° 6	5°39	13°34	27°41	6°25	6°43	20° 9	16° 7	T 24
F 25	18 14 2	3°45'09	7♒42	25°57	28°31	14° 0	16°29	27°10	5°41	13°35	27°42	6°25	6°40	20°15	16°10	F 25
S 26	18 17 59	4°42'21	22° 6	27°28	29°44	14°36	16°36	27°15	5°44	13°37	27°44	6°25	6°37	20°22	16°13	S 26
S 27	18 21 55	5°39'32	6♓ 3	28°57	0♋58	15°13	16°44	27°19	5°46	13°38	27°45	6°26	6°34	20°28	16°16	S 27
M28	18 25 52	6°36'43	19°34	0♌24	2°11	15°50	16°51	27°23	5°48	13°40	27°46	6°R26	6°31	20°35	16°19	M28
T 29	18 29 48	7°33'55	2♈39	1°48	3°25	16°26	16°59	27°27	5°51	13°41	27°47	6°D26	6°27	20°42	16°22	T 29
W30	18 33 45	8♋31'06	15♈21	3♌10	4♋39	17♌ 3	17♈ 6	27♈31	5♍53	13♉43	27♉48	6♑26	6♑24	20♊48	16♉25	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	22n 5	2n 5	5n 6	22n15	0n27	19n12	0s48	21n39	1n25	3n56	1s12	7n33	2s19	10n23	0n46	14n 3	1s44	6n32	13s21	23s17	23s13	24n40	14n42	1s39
W 2	22 13	7 15	5 14	22 45	0 37	19 29	0 46	21 31	1 25	4 0	1 12	7 35	2 19	10 23	0 46	14 4	1 44	6 32	13 21	23 17	23 13	24 39	14 43	1 39
T 3	22 20	12 2	5 8	23 12	0 47	19 46	0 43	21 23	1 24	4 4	1 12	7 37	2 20	10 22	0 46	14 5	1 44	6 32	13 21	23 17	23 13	24 39	14 44	1 39
F 4	22 28	16 15	4 47	23 36	0 56	20 3	0 41	21 15	1 24	4 8	1 12	7 39	2 20	10 22	0 46	14 5	1 44	6 32	13 21	23 17	23 14	24 39	14 45	1 39
S 5	22 34	19 44	4 14	23 58	1 5	20 19	0 39	21 7	1 24	4 12	1 12	7 41	2 20	10 21	0 46	14 6	1 44	6 33	13 21	23 18	23 14	24 39	14 46	1 40
S 6	22 41	22 22	3 30	24 17	1 13	20 35	0 37	20 58	1 23	4 16	1 12	7 43	2 20	10 21	0 46	14 6	1 44	6 33	13 21	23 18	23 14	24 39	14 47	1 40
M 7	22 47	24 1	2 37	24 34	1 21	20 50	0 35	20 49	1 23	4 19	1 13	7 45	2 20	10 20	0 46	14 7	1 44	6 33	13 22	23 18	23 14	24 38	14 48	1 40
T 8	22 52	24 34	1 38	24 48	1 28	21 4	0 32	20 41	1 23	4 23	1 13	7 46	2 20	10 20	0 46	14 7	1 44	6 33	13 22	23 18	23 14	24 38	14 49	1 40
W 9	22 57	24 1	0 34	24 59	1 34	21 18	0 30	20 32	1 22	4 27	1 13	7 48	2 21	10 19	0 46	14 8	1 44	6 33	13 22	23 18	23 14	24 38	14 50	1 40
T 10	23 2	22 23	0s31	25 7	1 40	21 32	0 28	20 22	1 22	4 30	1 13	7 50	2 21	10 19	0 46	14 9	1 44	6 34	13 22	23 18	23 15	24 38	14 51	1 40
F 11	23 6	19 46	1 36	25 12	1 45	21 44	0 25	20 13	1 21	4 34	1 13	7 52	2 21	10 18	0 46	14 9	1 44	6 34	13 22	23 18	23 15	24 37	14 52	1 40
S 12	23 10	16 16	2 37	25 15	1 49	21 56	0 23	20 4	1 21	4 37	1 14	7 54	2 21	10 17	0 46	14 10	1 44	6 34	13 22	23 18	23 15	24 37	14 53	1 41
S 13	23 14	12 3	3 31	25 15	1 53	22 8	0 21	19 54	1 21	4 41	1 14	7 55	2 21	10 17	0 45	14 10	1 44	6 34	13 22	23 18	23 15	24 37	14 53	1 41
M14	23 17	7 17	4 17	25 13	1 56	22 19	0 18	19 45	1 20	4 44	1 14	7 57	2 22	10 16	0 45	14 11	1 44	6 34	13 22	23 18	23 15	24 37	14 54	1 41
T 15	23 20	2 7	4 52	25 8	1 58	22 29	0 16	19 35	1 20	4 48	1 14	7 59	2 22	10 15	0 45	14 11	1 44	6 35	13 22	23 18	23 16	24 36	14 55	1 41
W16	23 22	3s17	5 12	25 1	1 59	22 38	0 13	19 25	1 19	4 51	1 15	8 0	2 22	10 15	0 45	14 12	1 44	6 35	13 22	23 18	23 16	24 36	14 56	1 41
T 17	23 24	8 42	5 17	24 52	2 0	22 47	0 11	19 15	1 19	4 54	1 15	8 2	2 22	10 14	0 45	14 12	1 44	6 35	13 22	23 18	23 16	24 36	14 57	1 41
F 18	23 25	13 51	5 3	24 41	1 59	22 56	0 9	19 5	1 19	4 57	1 15	8 4	2 22	10 13	0 45	14 13	1 44	6 35	13 22	23 18	23 16	24 35	14 58	1 41
S 19	23 26	18 25	4 31	24 27	1 58	23 3	0 6	18 55	1 18	5 1	1 15	8 5	2 23	10 13	0 45	14 13	1 44	6 35	13 23	23 18	23 16	24 35	14 58	1 42
S 20	23 27	21 59	3 40	24 13	1 57	23 10	0 4	18 45	1 18	5 4	1 15	8 7	2 23	10 12	0 45	14 14	1 44	6 35	13 23	23 18	23 16	24 35	14 59	1 42
M21	23 27	24 7	2 34	23 56	1 55	23 17	0 1	18 34	1 18	5 7	1 16	8 8	2 23	10 11	0 45	14 14	1 44	6 35	13 23	23 18	23 17	24 34	15 0	1 42
T 22	23 27	24 31	1 15	23 38	1 52	23 22	0n 1	18 24	1 17	5 10	1 16	8 10	2 23	10 10	0 45	14 15	1 44	6 36	13 23	23 18	23 17	24 34	15 1	1 42
W23	23 27	23 5	0n 8	23 18	1 48	23 27	0 3	18 13	1 17	5 13	1 16	8 11	2 23	10 9	0 45	14 15	1 44	6 36	13 23	23 18	23 17	24 34	15 1	1 42
T 24	23 26	20 1	1 31	22 57	1 44	23 31	0 6	18 2	1 16	5 15	1 16	8 13	2 24	10 9	0 45	14 15	1 45	6 36	13 23	23 18	23 17	24 33	15 2	1 42
F 25	23 24	15 41	2 45	22 35	1 39	23 35	0 8	17 51	1 16	5 18	1 17	8 14	2 24	10 8	0 45	14 16	1 45	6 36	13 23	23 18	23 17	24 33	15 3	1 43
S 26	23 22	10 34	3 48	22 12	1 33	23 38	0 11	17 40	1 16	5 21	1 17	8 15	2 24	10 7	0 45	14 16	1 45	6 36	13 23	23 18	23 17	24 33	15 4	1 43
S 27	23 20	5 3	4 34	21 48	1 27	23 40	0 13	17 29	1 15	5 24	1 17	8 17	2 24	10 6	0 45	14 17	1 45	6 36	13 24	23 18	23 18	24 32	15 4	1 43
M28	23 17	0n32	5 4	21 23	1 21	23 41	0 15	17 18	1 15	5 26	1 17	8 18	2 25	10 5	0 45	14 17	1 45	6 36	13 24	23 18	23 18	24 32	15 5	1 43
T 29	23 14	5 54	5 17	20 58	1 13	23 42	0 18	17 6	1 14	5 29	1 17	8 19	2 25	10 4	0 45	14 18	1 45	6 36	13 24	23 18	23 18	24 32	15 6	1 43
W30	23n11	10n52	5n14	20n32	1n 6	23n42	0n20	16n55	1n14	5n31	1s18	8n21	2s25	10n 3	0n45	14n18	1s45	6n36	13s24	23s18	23s18	24n31	15n 6	1s43

Julian Day Number = 2407867.5, Delta T = -3.39 sec
Ecliptic obliquity = 23°27'18, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°04'13, Lahiri = 22°11'14

ASTRODIENST EPHEMERIS for the year 1880
geocentric

JULY 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
T 1	18 37 41	9♋28'18	27♈45	4♌29	5♋52	17♌40	17♈13	27♈35	5♍55	13♉44	27♉49	6♑26	6♑21	20♊55	16♉28	T 1
F 2	18 41 38	10°25'30	9♉53	5°46	7° 6	18°16	17°20	27°39	5°58	13°46	27°50	6°26	6°18	21° 2	16°30	F 2
S 3	18 45 34	11°22'43	21°51	7° 0	8°20	18°53	17°26	27°43	6° 0	13°47	27°51	6°27	6°15	21° 8	16°33	S 3
S 4	18 49 31	12°19'56	3♊42	8°11	9°34	19°30	17°33	27°47	6° 3	13°48	27°52	6°27	6°12	21°15	16°36	S 4
M 5	18 53 28	13°17'08	15°29	9°20	10°47	20° 7	17°39	27°50	6° 6	13°50	27°53	6°28	6° 8	21°22	16°39	M 5
T 6	18 57 24	14°14'21	27°16	10°26	12° 1	20°44	17°46	27°54	6° 8	13°51	27°54	6°28	6° 5	21°28	16°41	T 6
W 7	19 1 21	15°11'35	9♋ 6	11°29	13°15	21°20	17°52	27°57	6°11	13°52	27°55	6°R28	6° 2	21°35	16°44	W 7
T 8	19 5 17	16° 8'48	21° 1	12°29	14°29	21°57	17°58	28° 1	6°14	13°54	27°56	6°28	5°59	21°42	16°46	T 8
F 9	19 9 14	17° 6'02	3♌ 3	13°26	15°42	22°34	18° 3	28° 4	6°16	13°55	27°57	6°27	5°56	21°48	16°49	F 9
S 10	19 13 10	18° 3'15	15°14	14°20	16°56	23°11	18° 9	28° 7	6°19	13°56	27°58	6°26	5°53	21°55	16°51	S 10
S 11	19 17 7	19° 0'29	27°35	15°11	18°10	23°48	18°14	28°10	6°22	13°57	27°59	6°24	5°49	22° 2	16°54	S 11
M12	19 21 3	19°57'43	10♍10	15°58	19°24	24°25	18°20	28°13	6°25	13°59	28° 0	6°22	5°46	22° 8	16°56	M12
T 13	19 25 0	20°54'57	22°59	16°41	20°38	25° 2	18°25	28°16	6°28	14° 0	28° 1	6°21	5°43	22°15	16°58	T 13
W14	19 28 57	21°52'11	6♎ 6	17°21	21°51	25°39	18°30	28°19	6°30	14° 1	28° 2	6°19	5°40	22°22	17° 0	W14
T 15	19 32 53	22°49'25	19°31	17°57	23° 5	26°16	18°34	28°22	6°33	14° 2	28° 2	6°D19	5°37	22°28	17° 3	T 15
F 16	19 36 50	23°46'39	3♏16	18°29	24°19	26°54	18°39	28°24	6°36	14° 3	28° 3	6°19	5°33	22°35	17° 5	F 16
S 17	19 40 46	24°43'53	17°21	18°57	25°33	27°31	18°43	28°27	6°39	14° 4	28° 4	6°20	5°30	22°41	17° 7	S 17
S 18	19 44 43	25°41'08	1♐46	19°20	26°47	28° 8	18°48	28°29	6°42	14° 5	28° 5	6°21	5°27	22°48	17° 9	S 18
M19	19 48 39	26°38'23	16°28	19°39	28° 1	28°45	18°52	28°32	6°46	14° 6	28° 6	6°22	5°24	22°55	17°11	M19
T 20	19 52 36	27°35'38	1♑20	19°54	29°15	29°22	18°56	28°34	6°49	14° 7	28° 6	6°R23	5°21	23° 1	17°13	T 20
W21	19 56 33	28°32'54	16°18	20° 3	0♌29	29°59	18°59	28°36	6°52	14° 8	28° 7	6°23	5°18	23° 8	17°15	W21
T 22	20 0 29	29°30'10	1♒13	20°R 8	1°42	0♍37	19° 3	28°38	6°55	14° 9	28° 8	6°22	5°14	23°15	17°17	T 22
F 23	20 4 26	0♌27'26	15°57	20° 8	2°56	1°14	19° 6	28°40	6°58	14° 9	28° 9	6°19	5°11	23°21	17°18	F 23
S 24	20 8 22	1°24'44	0♓22	20° 3	4°10	1°52	19° 9	28°42	7° 1	14°10	28° 9	6°16	5° 8	23°28	17°20	S 24
S 25	20 12 19	2°22'02	14°24	19°52	5°24	2°29	19°12	28°44	7° 5	14°11	28°10	6°12	5° 5	23°35	17°22	S 25
M26	20 16 15	3°19'21	28° 0	19°37	6°38	3° 6	19°15	28°45	7° 8	14°12	28°11	6° 9	5° 2	23°41	17°24	M26
T 27	20 20 12	4°16'41	11♈10	19°17	7°52	3°44	19°17	28°47	7°11	14°12	28°11	6° 6	4°59	23°48	17°25	T 27
W28	20 24 8	5°14'02	23°56	18°52	9° 6	4°21	19°20	28°48	7°14	14°13	28°12	6° 4	4°55	23°55	17°27	W28
T 29	20 28 5	6°11'24	6♉20	18°22	10°20	4°59	19°22	28°50	7°18	14°14	28°13	6°D 4	4°52	24° 1	17°28	T 29
F 30	20 32 1	7° 8'48	18°28	17°49	11°34	5°36	19°24	28°51	7°21	14°14	28°13	6° 4	4°49	24° 8	17°30	F 30
S 31	20 35 58	8♌ 6'12	0♊25	17♌11	12♌48	6♍14	19♈26	28♈52	7♍24	14♉15	28♉14	6♑ 5	4♑46	24♊15	17♉31	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	23n 7	15n17	4n56	20n 5	0n57	23n42	0n22	16n43	1n14	5n34	1s18	8n22	2s25	10n 2	0n45	14n18	1s45	6n36	13s24	23s18	23s18	24n31	15n 7	1s43
F 2	23 3	18 59	4 25	19 38	0 49	23 40	0 24	16 31	1 13	5 36	1 18	8 23	2 25	10 1	0 45	14 19	1 45	6 37	13 24	23 18	23 18	24 30	15 8	1 44
S 3	22 58	21 50	3 43	19 10	0 39	23 38	0 27	16 20	1 13	5 39	1 18	8 24	2 26	10 0	0 45	14 19	1 45	6 37	13 24	23 18	23 18	24 30	15 8	1 44
S 4	22 53	23 43	2 52	18 42	0 30	23 36	0 29	16 8	1 12	5 41	1 19	8 25	2 26	10 0	0 45	14 19	1 45	6 37	13 25	23 18	23 19	24 30	15 9	1 44
M 5	22 47	24 33	1 54	18 14	0 19	23 32	0 31	15 56	1 12	5 43	1 19	8 26	2 26	9 59	0 45	14 20	1 45	6 37	13 25	23 18	23 19	24 29	15 9	1 44
T 6	22 42	24 16	0 51	17 46	0 9	23 28	0 33	15 43	1 12	5 45	1 19	8 27	2 26	9 58	0 45	14 20	1 45	6 37	13 25	23 18	23 19	24 29	15 10	1 44
W 7	22 35	22 54	0s15	17 19	0s 2	23 23	0 36	15 31	1 11	5 47	1 19	8 28	2 27	9 57	0 45	14 20	1 45	6 37	13 25	23 18	23 19	24 28	15 11	1 45
T 8	22 29	20 30	1 20	16 51	0 14	23 18	0 38	15 19	1 11	5 49	1 20	8 29	2 27	9 55	0 45	14 21	1 45	6 37	13 25	23 18	23 19	24 28	15 11	1 45
F 9	22 22	17 11	2 22	16 23	0 26	23 11	0 40	15 7	1 10	5 51	1 20	8 30	2 27	9 54	0 45	14 21	1 45	6 37	13 25	23 18	23 19	24 27	15 12	1 45
S 10	22 14	13 7	3 19	15 56	0 38	23 4	0 42	14 54	1 10	5 53	1 20	8 31	2 27	9 53	0 45	14 21	1 45	6 37	13 26	23 18	23 19	24 27	15 12	1 45
S 11	22 6	8 27	4 7	15 29	0 50	22 57	0 44	14 41	1 10	5 55	1 21	8 32	2 28	9 52	0 45	14 22	1 45	6 37	13 26	23 18	23 20	24 27	15 13	1 45
M12	21 58	3 23	4 44	15 3	1 3	22 49	0 46	14 29	1 9	5 57	1 21	8 33	2 28	9 51	0 45	14 22	1 45	6 37	13 26	23 18	23 20	24 26	15 13	1 45
T 13	21 50	1s56	5 8	14 38	1 16	22 40	0 48	14 16	1 9	5 58	1 21	8 33	2 28	9 50	0 44	14 22	1 45	6 37	13 26	23 18	23 20	24 26	15 14	1 46
W14	21 41	7 16	5 16	14 13	1 30	22 30	0 50	14 3	1 8	6 0	1 21	8 34	2 28	9 49	0 44	14 23	1 46	6 37	13 26	23 18	23 20	24 25	15 14	1 46
T 15	21 31	12 23	5 8	13 49	1 43	22 20	0 52	13 50	1 8	6 2	1 22	8 35	2 29	9 48	0 44	14 23	1 46	6 37	13 27	23 18	23 20	24 25	15 15	1 46
F 16	21 22	17 2	4 42	13 26	1 57	22 9	0 54	13 37	1 8	6 3	1 22	8 36	2 29	9 47	0 44	14 23	1 46	6 37	13 27	23 18	23 20	24 24	15 15	1 46
S 17	21 12	20 50	3 59	13 5	2 11	21 57	0 55	13 24	1 7	6 4	1 22	8 36	2 29	9 46	0 44	14 23	1 46	6 37	13 27	23 18	23 20	24 24	15 15	1 46
S 18	21 1	23 28	3 0	12 44	2 25	21 45	0 57	13 10	1 7	6 6	1 22	8 37	2 29	9 45	0 44	14 24	1 46	6 37	13 27	23 18	23 21	24 23	15 16	1 47
M19	20 50	24 33	1 48	12 25	2 38	21 32	0 59	12 57	1 6	6 7	1 23	8 37	2 30	9 43	0 44	14 24	1 46	6 37	13 27	23 18	23 21	24 23	15 16	1 47
T 20	20 39	23 55	0 28	12 8	2 52	21 19	1 1	12 44	1 6	6 8	1 23	8 38	2 30	9 42	0 44	14 24	1 46	6 37	13 28	23 18	23 21	24 22	15 17	1 47
W21	20 28	21 33	0n54	11 52	3 6	21 5	1 2	12 30	1 5	6 9	1 23	8 39	2 30	9 41	0 44	14 24	1 46	6 37	13 28	23 18	23 21	24 22	15 17	1 47
T 22	20 16	17 45	2 13	11 38	3 19	20 50	1 4	12 17	1 5	6 11	1 23	8 39	2 31	9 40	0 44	14 24	1 46	6 37	13 28	23 18	23 21	24 21	15 17	1 47
F 23	20 4	12 52	3 21	11 26	3 32	20 35	1 6	12 3	1 5	6 12	1 24	8 39	2 31	9 39	0 44	14 25	1 46	6 37	13 28	23 18	23 21	24 21	15 18	1 47
S 24	19 52	7 22	4 15	11 15	3 44	20 19	1 7	11 49	1 4	6 12	1 24	8 40	2 31	9 37	0 44	14 25	1 46	6 36	13 28	23 18	23 21	24 20	15 18	1 48
S 25	19 39	1 39	4 52	11 7	3 56	20 2	1 9	11 35	1 4	6 13	1 24	8 40	2 31	9 36	0 44	14 25	1 46	6 36	13 29	23 19	23 21	24 20	15 18	1 48
M26	19 26	3n58	5 11	11 1	4 8	19 45	1 10	11 21	1 3	6 14	1 25	8 41	2 32	9 35	0 44	14 25	1 46	6 36	13 29	23 19	23 22	24 19	15 18	1 48
T 27	19 12	9 13	5 13	10 58	4 18	19 28	1 11	11 7	1 3	6 15	1 25	8 41	2 32	9 34	0 44	14 25	1 46	6 36	13 29	23 19	23 22	24 19	15 19	1 48
W28	18 58	13 55	4 59	10 56	4 27	19 9	1 13	10 53	1 2	6 15	1 25	8 41	2 32	9 32	0 44	14 25	1 46	6 36	13 29	23 19	23 22	24 18	15 19	1 48
T 29	18 44	17 54	4 31	10 58	4 35	18 51	1 14	10 39	1 2	6 16	1 25	8 41	2 32	9 31	0 44	14 26	1 46	6 36	13 30	23 19	23 22	24 17	15 19	1 49
F 30	18 30	21 3	3 52	11 1	4 42	18 32	1 15	10 25	1 2	6 17	1 26	8 41	2 33	9 30	0 44	14 26	1 46	6 36	13 30	23 19	23 22	24 17	15 19	1 49
S 31	18n15	23n14	3n 3	11n 7	4s48	18n12	1n16	10n11	1n 1	6n17	1s26	8n42	2s33	9n29	0n44	14n26	1s46	6n36	13s30	23s19	23s22	24n16	15n19	1s49

Julian Day Number = 2407897.5, Delta T = -3.42 sec
Ecliptic obliquity = 23°27'18, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°04'17, Lahiri = 22°11'18

ASTRODIENST EPHEMERIS for the year 1880
geocentric

AUGUST 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
S 1	20 39 55	9♌ 3'38	12♊14	16°R31	14♌ 2	6♍51	19♈27	28♈53	7♍28	14♉16	28♉14	6♑ 7	4♑43	24♊21	17♉32	S 1
M 2	20 43 51	10° 1'05	24° 1	15♌47	15°16	7°29	19°29	28°54	7°31	14°16	28°15	6° 9	4°39	24°28	17°33	M 2
T 3	20 47 48	10°58'33	5♋50	15° 2	16°30	8° 7	19°30	28°55	7°35	14°17	28°15	6°R 9	4°36	24°34	17°35	T 3
W 4	20 51 44	11°56'02	17°45	14°15	17°44	8°44	19°31	28°55	7°38	14°17	28°16	6° 9	4°33	24°41	17°36	W 4
T 5	20 55 41	12°53'32	29°49	13°28	18°58	9°22	19°32	28°56	7°42	14°17	28°16	6° 6	4°30	24°48	17°37	T 5
F 6	20 59 37	13°51'03	12♌ 3	12°42	20°12	10° 0	19°32	28°57	7°45	14°18	28°17	6° 2	4°27	24°54	17°38	F 6
S 7	21 3 34	14°48'36	24°29	11°56	21°27	10°38	19°33	28°57	7°49	14°18	28°17	5°57	4°24	25° 1	17°39	S 7
S 8	21 7 31	15°46'09	7♍ 8	11°13	22°41	11°15	19°33	28°57	7°52	14°18	28°18	5°50	4°20	25° 8	17°40	S 8
M 9	21 11 27	16°43'43	20° 1	10°33	23°55	11°53	19°R33	28°57	7°56	14°19	28°18	5°43	4°17	25°14	17°40	M 9
T 10	21 15 24	17°41'18	3♎ 6	9°57	25° 9	12°31	19°33	28°R57	8° 0	14°19	28°19	5°36	4°14	25°21	17°41	T 10
W11	21 19 20	18°38'55	16°25	9°26	26°23	13° 9	19°32	28°57	8° 3	14°19	28°19	5°31	4°11	25°28	17°42	W11
T 12	21 23 17	19°36'32	29°57	9° 0	27°37	13°47	19°32	28°57	8° 7	14°19	28°19	5°28	4° 8	25°34	17°43	T 12
F 13	21 27 13	20°34'10	13♏42	8°40	28°51	14°25	19°31	28°57	8°10	14°20	28°20	5°26	4° 5	25°41	17°43	F 13
S 14	21 31 10	21°31'50	27°40	8°26	0♍ 5	15° 3	19°30	28°57	8°14	14°20	28°20	5°D26	4° 1	25°48	17°44	S 14
S 15	21 35 6	22°29'30	11♐51	8°D19	1°19	15°41	19°29	28°56	8°18	14°20	28°20	5°27	3°58	25°54	17°44	S 15
M16	21 39 3	23°27'11	26°13	8°19	2°34	16°19	19°28	28°56	8°21	14°20	28°20	5°28	3°55	26° 1	17°45	M16
T 17	21 43 0	24°24'54	10♑43	8°27	3°48	16°57	19°26	28°55	8°25	14°R20	28°21	5°R28	3°52	26° 8	17°45	T 17
W18	21 46 56	25°22'37	25°18	8°42	5° 2	17°35	19°24	28°54	8°29	14°20	28°21	5°26	3°49	26°14	17°45	W18
T 19	21 50 53	26°20'22	9♒53	9° 5	6°16	18°13	19°22	28°54	8°32	14°20	28°21	5°23	3°45	26°21	17°46	T 19
F 20	21 54 49	27°18'08	24°20	9°35	7°30	18°52	19°20	28°53	8°36	14°20	28°21	5°17	3°42	26°27	17°46	F 20
S 21	21 58 46	28°15'55	8♓35	10°13	8°44	19°30	19°18	28°52	8°40	14°20	28°21	5° 9	3°39	26°34	17°46	S 21
S 22	22 2 42	29°13'44	22°31	10°59	9°59	20° 8	19°15	28°50	8°44	14°19	28°22	5° 0	3°36	26°41	17°R46	S 22
M23	22 6 39	0♍11'34	6♈ 5	11°51	11°13	20°46	19°13	28°49	8°47	14°19	28°22	4°51	3°33	26°47	17°46	M23
T 24	22 10 35	1° 9'26	19°15	12°51	12°27	21°25	19°10	28°48	8°51	14°19	28°22	4°44	3°30	26°54	17°46	T 24
W25	22 14 32	2° 7'20	2♉ 2	13°57	13°41	22° 3	19° 6	28°46	8°55	14°19	28°22	4°38	3°26	27° 1	17°46	W25
T 26	22 18 28	3° 5'16	14°28	15° 9	14°55	22°41	19° 3	28°45	8°59	14°19	28°22	4°34	3°23	27° 7	17°45	T 26
F 27	22 22 25	4° 3'14	26°36	16°28	16° 9	23°20	19° 0	28°43	9° 2	14°18	28°22	4°32	3°20	27°14	17°45	F 27
S 28	22 26 22	5° 1'13	8♊33	17°52	17°24	23°58	18°56	28°41	9° 6	14°18	28°R22	4°D32	3°17	27°21	17°45	S 28
S 29	22 30 18	5°59'14	20°22	19°21	18°38	24°37	18°52	28°40	9°10	14°18	28°22	4°32	3°14	27°27	17°44	S 29
M30	22 34 15	6°57'18	2♋10	20°55	19°52	25°15	18°48	28°38	9°14	14°17	28°22	4°R33	3°10	27°34	17°44	M30
T 31	22 38 11	7♍55'23	14♋ 2	22♌33	21♍ 6	25♍54	18♈44	28♈36	9♍17	14♉17	28♉22	4♑32	3♑ 7	27♊41	17♉44	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	18n 0	24n23	2n 7	11n15	4s52	17n52	1n17	9n56	1n 1	6n17	1s26	8n42	2s33	9n27	0n44	14n26	1s47	6n36	13s30	23s19	23s22	24n16	15n20	1s49
M 2	17 45	24 25	1 6	11 25	4 54	17 31	1 18	9 42	1 0	6 18	1 26	8 42	2 33	9 26	0 44	14 26	1 47	6 36	13 30	23 19	23 22	24 15	15 20	1 49
T 3	17 29	23 21	0 2	11 38	4 55	17 10	1 19	9 28	1 0	6 18	1 27	8 42	2 34	9 25	0 44	14 26	1 47	6 36	13 31	23 19	23 22	24 14	15 20	1 50
W 4	17 13	21 14	1s 3	11 52	4 54	16 48	1 20	9 13	0 59	6 18	1 27	8 42	2 34	9 23	0 44	14 26	1 47	6 35	13 31	23 19	23 23	24 14	15 20	1 50
T 5	16 57	18 10	2 5	12 8	4 51	16 26	1 21	8 58	0 59	6 18	1 27	8 42	2 34	9 22	0 44	14 26	1 47	6 35	13 31	23 19	23 23	24 13	15 20	1 50
F 6	16 41	14 16	3 3	12 26	4 46	16 3	1 22	8 44	0 59	6 18	1 28	8 42	2 35	9 21	0 44	14 26	1 47	6 35	13 31	23 19	23 23	24 13	15 20	1 50
S 7	16 24	9 43	3 53	12 45	4 39	15 40	1 22	8 29	0 58	6 18	1 28	8 42	2 35	9 19	0 44	14 26	1 47	6 35	13 32	23 19	23 23	24 12	15 20	1 50
S 8	16 7	4 41	4 32	13 5	4 31	15 16	1 23	8 14	0 58	6 18	1 28	8 41	2 35	9 18	0 44	14 26	1 47	6 35	13 32	23 20	23 23	24 11	15 20	1 51
M 9	15 50	0s37	4 58	13 25	4 21	14 53	1 24	7 59	0 57	6 17	1 28	8 41	2 35	9 17	0 44	14 26	1 47	6 35	13 32	23 20	23 23	24 11	15 20	1 51
T 10	15 32	5 58	5 9	13 46	4 9	14 28	1 24	7 45	0 57	6 17	1 29	8 41	2 36	9 15	0 44	14 26	1 47	6 34	13 32	23 20	23 23	24 10	15 20	1 51
W11	15 15	11 8	5 4	14 6	3 56	14 3	1 25	7 30	0 56	6 17	1 29	8 41	2 36	9 14	0 44	14 26	1 47	6 34	13 33	23 20	23 23	24 10	15 20	1 51
T 12	14 57	15 51	4 42	14 27	3 42	13 38	1 25	7 15	0 56	6 16	1 29	8 41	2 36	9 13	0 44	14 26	1 47	6 34	13 33	23 21	23 23	24 9	15 20	1 51
F 13	14 39	19 50	4 3	14 47	3 27	13 13	1 25	6 59	0 55	6 16	1 29	8 40	2 36	9 11	0 44	14 26	1 47	6 34	13 33	23 21	23 24	24 8	15 20	1 52
S 14	14 20	22 44	3 10	15 6	3 11	12 47	1 26	6 44	0 55	6 15	1 30	8 40	2 37	9 10	0 44	14 26	1 47	6 34	13 33	23 21	23 24	24 8	15 20	1 52
S 15	14 2	24 16	2 4	15 23	2 54	12 21	1 26	6 29	0 55	6 14	1 30	8 39	2 37	9 9	0 44	14 26	1 47	6 34	13 34	23 21	23 24	24 7	15 20	1 52
M16	13 43	24 14	0 50	15 40	2 37	11 54	1 26	6 14	0 54	6 14	1 30	8 39	2 37	9 7	0 44	14 26	1 47	6 33	13 34	23 21	23 24	24 6	15 20	1 52
T 17	13 24	22 33	0n28	15 55	2 20	11 28	1 26	5 59	0 54	6 13	1 31	8 39	2 37	9 6	0 44	14 26	1 47	6 33	13 34	23 21	23 24	24 6	15 20	1 52
W18	13 4	19 22	1 45	16 8	2 2	11 1	1 26	5 43	0 53	6 12	1 31	8 38	2 38	9 4	0 44	14 26	1 48	6 33	13 34	23 21	23 24	24 5	15 20	1 53
T 19	12 45	14 59	2 54	16 19	1 44	10 33	1 26	5 28	0 53	6 11	1 31	8 38	2 38	9 3	0 44	14 26	1 48	6 33	13 35	23 21	23 24	24 4	15 20	1 53
F 20	12 25	9 46	3 52	16 28	1 27	10 5	1 26	5 13	0 52	6 10	1 31	8 37	2 38	9 2	0 44	14 26	1 48	6 33	13 35	23 21	23 24	24 3	15 20	1 53
S 21	12 5	4 7	4 34	16 35	1 9	9 37	1 26	4 57	0 52	6 9	1 32	8 36	2 39	9 0	0 44	14 26	1 48	6 32	13 35	23 21	23 24	24 3	15 20	1 53
S 22	11 45	1n36	4 59	16 39	0 53	9 9	1 26	4 42	0 51	6 8	1 32	8 36	2 39	8 59	0 44	14 26	1 48	6 32	13 35	23 22	23 24	24 2	15 19	1 53
M23	11 25	7 6	5 6	16 40	0 36	8 41	1 25	4 26	0 51	6 6	1 32	8 35	2 39	8 57	0 44	14 26	1 48	6 32	13 36	23 22	23 24	24 1	15 19	1 54
T 24	11 4	12 6	4 56	16 38	0 21	8 12	1 25	4 11	0 50	6 5	1 32	8 34	2 39	8 56	0 44	14 26	1 48	6 32	13 36	23 22	23 25	24 1	15 19	1 54
W25	10 44	16 26	4 32	16 34	0 5	7 43	1 24	3 55	0 50	6 4	1 33	8 34	2 40	8 55	0 44	14 26	1 48	6 31	13 36	23 22	23 25	24 0	15 19	1 54
T 26	10 23	19 56	3 55	16 26	0n 9	7 14	1 24	3 40	0 50	6 2	1 33	8 33	2 40	8 53	0 44	14 25	1 48	6 31	13 36	23 23	23 25	23 59	15 18	1 54
F 27	10 2	22 28	3 9	16 16	0 22	6 45	1 23	3 24	0 49	6 1	1 33	8 32	2 40	8 52	0 44	14 25	1 48	6 31	13 37	23 23	23 25	23 58	15 18	1 55
S 28	9 41	23 58	2 15	16 2	0 35	6 15	1 23	3 8	0 49	5 59	1 33	8 31	2 40	8 50	0 44	14 25	1 48	6 31	13 37	23 23	23 25	23 58	15 18	1 55
S 29	9 19	24 21	1 15	15 45	0 46	5 46	1 22	2 53	0 48	5 57	1 34	8 30	2 40	8 49	0 44	14 25	1 48	6 31	13 37	23 23	23 25	23 57	15 18	1 55
M30	8 58	23 39	0 13	15 26	0 57	5 16	1 21	2 37	0 48	5 55	1 34	8 29	2 41	8 48	0 44	14 25	1 48	6 30	13 37	23 23	23 25	23 56	15 17	1 55
T 31	8n36	21n53	0s51	15n 3	1n 6	4n46	1n20	2n21	0n47	5n54	1s34	8n28	2s41	8n46	0n44	14n25	1s48	6n30	13s38	23s23	23s25	23n55	15n17	1s55

Julian Day Number = 2407928.5, Delta T = -3.45 sec
Ecliptic obliquity = 23°27'18, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°04'21, Lahiri = 22°11'22

ASTRODIENST EPHEMERIS for the year 1880
geocentric

SEPTEMBER 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	22 42 8	8♍53'30	26♋ 1	24♌14	22♍20	26♍32	18°R39	28°R33	9♍21	14°R16	28°R22	4°R30	3♎ 4	27♊47	17°R43	W 1
T 2	22 46 4	9°51'38	8♌13	25°59	23°35	27°11	18♈35	28♈31	9°25	14♉16	28♉22	4♎25	3° 1	27°54	17♉42	T 2
F 3	22 50 1	10°49'49	20°40	27°47	24°49	27°50	18°30	28°29	9°29	14°15	28°22	4°18	2°58	28° 0	17°42	F 3
S 4	22 53 57	11°48'01	3♍23	29°36	26° 3	28°28	18°25	28°26	9°32	14°15	28°21	4° 8	2°55	28° 7	17°41	S 4
S 5	22 57 54	12°46'16	16°22	1♍27	27°17	29° 7	18°20	28°24	9°36	14°14	28°21	3°57	2°51	28°14	17°40	S 5
M 6	23 1 51	13°44'32	29°37	3°20	28°32	29°46	18°15	28°21	9°40	14°13	28°21	3°46	2°48	28°20	17°39	M 6
T 7	23 5 47	14°42'49	13♎ 6	5°14	29°46	0♎25	18° 9	28°19	9°44	14°13	28°21	3°35	2°45	28°27	17°38	T 7
W 8	23 9 44	15°41'09	26°47	7° 8	1♎ 0	1° 4	18° 4	28°16	9°47	14°12	28°21	3°25	2°42	28°34	17°37	W 8
T 9	23 13 40	16°39'30	10♏36	9° 2	2°14	1°43	17°58	28°13	9°51	14°11	28°20	3°18	2°39	28°40	17°36	T 9
F 10	23 17 37	17°37'52	24°32	10°57	3°28	2°21	17°52	28°10	9°55	14°11	28°20	3°14	2°36	28°47	17°35	F 10
S 11	23 21 33	18°36'16	8♐33	12°52	4°43	3° 0	17°46	28° 7	9°59	14°10	28°20	3°12	2°32	28°54	17°34	S 11
S 12	23 25 30	19°34'42	22°38	14°46	5°57	3°39	17°40	28° 4	10° 2	14° 9	28°20	3°D12	2°29	29° 0	17°33	S 12
M13	23 29 26	20°33'10	6♑46	16°40	7°11	4°18	17°34	28° 1	10° 6	14° 8	28°19	3°R12	2°26	29° 7	17°32	M13
T 14	23 33 23	21°31'39	20°57	18°33	8°25	4°58	17°27	27°57	10°10	14° 7	28°19	3°11	2°23	29°14	17°30	T 14
W15	23 37 20	22°30'09	5♒ 8	20°25	9°40	5°37	17°21	27°54	10°14	14° 7	28°19	3° 8	2°20	29°20	17°29	W15
T 16	23 41 16	23°28'41	19°17	22°17	10°54	6°16	17°14	27°51	10°17	14° 6	28°18	3° 3	2°16	29°27	17°28	T 16
F 17	23 45 13	24°27'15	3♓20	24° 8	12° 8	6°55	17° 7	27°47	10°21	14° 5	28°18	2°54	2°13	29°34	17°26	F 17
S 18	23 49 9	25°25'51	17°13	25°58	13°22	7°34	17° 0	27°43	10°25	14° 4	28°17	2°43	2°10	29°40	17°25	S 18
S 19	23 53 6	26°24'28	0♈52	27°47	14°36	8°13	16°53	27°40	10°28	14° 3	28°17	2°31	2° 7	29°47	17°23	S 19
M20	23 57 2	27°23'08	14°14	29°35	15°50	8°53	16°46	27°36	10°32	14° 2	28°17	2°18	2° 4	29°53	17°21	M20
T 21	0 0 59	28°21'49	27°16	1♎22	17° 5	9°32	16°39	27°32	10°36	14° 1	28°16	2° 7	2° 1	0♋ 0	17°20	T 21
W22	0 4 55	29°20'33	9♉58	3° 8	18°19	10°11	16°32	27°28	10°39	14° 0	28°16	1°57	1°57	0° 7	17°18	W22
T 23	0 8 52	0♎19'19	22°21	4°54	19°33	10°51	16°24	27°24	10°43	13°59	28°15	1°50	1°54	0°13	17°16	T 23
F 24	0 12 49	1°18'07	4♊29	6°38	20°47	11°30	16°17	27°20	10°47	13°57	28°15	1°46	1°51	0°20	17°14	F 24
S 25	0 16 45	2°16'58	16°25	8°21	22° 1	12°10	16° 9	27°16	10°50	13°56	28°14	1°44	1°48	0°27	17°12	S 25
S 26	0 20 42	3°15'51	28°14	10° 4	23°15	12°49	16° 1	27°12	10°54	13°55	28°13	1°44	1°45	0°33	17°10	S 26
M27	0 24 38	4°14'46	10♋ 3	11°46	24°30	13°29	15°54	27° 8	10°57	13°54	28°13	1°44	1°42	0°40	17° 8	M27
T 28	0 28 35	5°13'43	21°55	13°26	25°44	14° 9	15°46	27° 4	11° 1	13°53	28°12	1°43	1°38	0°47	17° 6	T 28
W29	0 32 31	6°12'43	3♌57	15° 6	26°58	14°48	15°38	27° 0	11° 4	13°51	28°12	1°41	1°35	0°53	17° 4	W29
T 30	0 36 28	7♎11'44	16♌13	16♎45	28♎12	15♎28	15♈30	26♈55	11♍ 8	13♉50	28♉11	1♎36	1♎32	1♋ 0	17♉ 2	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	8n14	19n 7	1s52	14n38	1n15	4n16	1n20	2n 5	0n47	5n52	1s34	8n27	2s41	8n45	0n44	14n24	1s48	6n30	13s38	23s23	23s25	23n55	15n17	1s56	
T 2	7 53	15 30	2 49	14 9	1 22	3 45	1 19	1 50	0 46	5 50	1 34	8 26	2 41	8 43	0 44	14 24	1 48	6 29	13 38	23 23	23 25	23 54	15 16	1 56	
F 3	7 31	11 8	3 40	13 39	1 29	3 15	1 18	1 34	0 46	5 48	1 35	8 25	2 42	8 42	0 44	14 24	1 48	6 29	13 38	23 23	23 25	23 53	15 16	1 56	
S 4	7 8	6 14	4 20	13 5	1 34	2 44	1 16	1 18	0 45	5 46	1 35	8 24	2 42	8 40	0 44	14 24	1 49	6 29	13 39	23 23	23 25	23 52	15 15	1 56	
S 5	6 46	0 57	4 48	12 30	1 39	2 14	1 15	1 2	0 45	5 44	1 35	8 23	2 42	8 39	0 44	14 24	1 49	6 29	13 39	23 24	23 25	23 52	15 15	1 56	
M 6	6 24	4s27	5 1	11 53	1 42	1 43	1 14	0 46	0 44	5 42	1 35	8 22	2 42	8 38	0 44	14 23	1 49	6 28	13 39	23 24	23 26	23 51	15 15	1 57	
T 7	6 1	9 45	4 58	11 14	1 45	1 12	1 13	0 30	0 44	5 39	1 35	8 21	2 43	8 36	0 44	14 23	1 49	6 28	13 39	23 24	23 26	23 50	15 14	1 57	
W 8	5 39	14 39	4 38	10 33	1 47	0 42	1 11	0 14	0 43	5 37	1 36	8 20	2 43	8 35	0 44	14 23	1 49	6 28	13 40	23 25	23 26	23 49	15 14	1 57	
T 9	5 16	18 49	4 1	9 51	1 48	0 11	1 10	0s 1	0 43	5 35	1 36	8 19	2 43	8 33	0 44	14 23	1 49	6 28	13 40	23 25	23 26	23 48	15 13	1 57	
F 10	4 53	21 59	3 10	9 8	1 48	0s20	1 9	0 17	0 42	5 32	1 36	8 17	2 43	8 32	0 44	14 22	1 49	6 27	13 40	23 25	23 26	23 48	15 13	1 57	
S 11	4 31	23 50	2 7	8 24	1 48	0 51	1 7	0 33	0 42	5 30	1 36	8 16	2 43	8 31	0 44	14 22	1 49	6 27	13 40	23 25	23 26	23 47	15 12	1 58	
S 12	4 8	24 11	0 56	7 39	1 47	1 22	1 6	0 49	0 41	5 27	1 36	8 15	2 44	8 29	0 44	14 22	1 49	6 27	13 41	23 25	23 26	23 46	15 12	1 58	
M13	3 45	22 58	0n19	6 53	1 45	1 53	1 4	1 5	0 41	5 25	1 36	8 13	2 44	8 28	0 44	14 21	1 49	6 26	13 41	23 25	23 26	23 45	15 11	1 58	
T 14	3 22	20 18	1 33	6 7	1 43	2 23	1 2	1 21	0 40	5 22	1 37	8 12	2 44	8 26	0 44	14 21	1 49	6 26	13 41	23 25	23 26	23 44	15 11	1 58	
W15	2 59	16 24	2 40	5 20	1 40	2 54	1 1	1 37	0 40	5 20	1 37	8 11	2 44	8 25	0 44	14 21	1 49	6 26	13 41	23 25	23 26	23 43	15 10	1 58	
T 16	2 35	11 36	3 38	4 33	1 37	3 25	0 59	1 53	0 40	5 17	1 37	8 9	2 44	8 24	0 44	14 21	1 49	6 25	13 42	23 25	23 26	23 43	15 9	1 59	
F 17	2 12	6 13	4 22	3 46	1 33	3 56	0 57	2 9	0 39	5 14	1 37	8 8	2 44	8 22	0 44	14 20	1 49	6 25	13 42	23 25	23 26	23 42	15 9	1 59	
S 18	1 49	0 36	4 50	2 58	1 29	4 26	0 55	2 25	0 39	5 11	1 37	8 7	2 45	8 21	0 44	14 20	1 49	6 25	13 42	23 26	23 26	23 41	15 8	1 59	
S 19	1 26	4n56	5 0	2 11	1 25	4 57	0 53	2 41	0 38	5 9	1 37	8 5	2 45	8 19	0 44	14 20	1 49	6 25	13 42	23 26	23 26	23 40	15 8	1 59	
M20	1 2	10 8	4 54	1 23	1 20	5 27	0 51	2 57	0 38	5 6	1 37	8 4	2 45	8 18	0 44	14 19	1 49	6 24	13 42	23 26	23 26	23 39	15 7	1 59	
T 21	0 39	14 44	4 33	0 36	1 15	5 57	0 49	3 13	0 37	5 3	1 37	8 2	2 45	8 17	0 44	14 19	1 49	6 24	13 43	23 26	23 26	23 38	15 6	2 0	
W22	0 16	18 34	3 58	0s11	1 9	6 28	0 47	3 29	0 37	5 0	1 38	8 1	2 45	8 15	0 44	14 18	1 49	6 24	13 43	23 26	23 26	23 37	15 6	2 0	
T 23	0s 8	21 28	3 12	0 58	1 4	6 58	0 45	3 45	0 36	4 57	1 38	7 59	2 45	8 14	0 44	14 18	1 49	6 23	13 43	23 27	23 26	23 36	15 5	2 0	
F 24	0 31	23 20	2 19	1 45	0 58	7 28	0 43	4 1	0 36	4 54	1 38	7 58	2 45	8 13	0 44	14 18	1 50	6 23	13 43	23 27	23 27	23 35	15 4	2 0	
S 25	0 54	24 6	1 20	2 31	0 52	7 57	0 40	4 16	0 35	4 51	1 38	7 56	2 46	8 11	0 44	14 17	1 50	6 23	13 43	23 27	23 27	23 35	15 3	2 0	
S 26	1 18	23 45	0 19	3 18	0 45	8 27	0 38	4 32	0 34	4 48	1 38	7 54	2 46	8 10	0 44	14 17	1 50	6 22	13 44	23 27	23 27	23 34	15 3	2 1	
M27	1 41	22 21	0s44	4 3	0 39	8 57	0 36	4 48	0 34	4 45	1 38	7 53	2 46	8 9	0 44	14 17	1 50	6 22	13 44	23 27	23 27	23 33	15 2	2 1	
T 28	2 5	19 57	1 45	4 48	0 32	9 26	0 34	5 4	0 33	4 42	1 38	7 51	2 46	8 7	0 44	14 16	1 50	6 22	13 44	23 27	23 27	23 32	15 1	2 1	
W29	2 28	16 39	2 42	5 33	0 26	9 55	0 31	5 20	0 33	4 39	1 38	7 50	2 46	8 6	0 44	14 16	1 50	6 21	13 44	23 27	23 27	23 31	15 0	2 1	
T 30	2s51	12n36	3s32	6s18	0n19	10s24	0n29	5s36	0n32	4n36	1s38	7n48	2s46	8n 5	0n44	14n15	1s50	6n21	13s45	23s27	23s27	23n30	15n 0	2s 1	

Julian Day Number = 2407959.5, Delta T = -3.49 sec
Ecliptic obliquity = 23°27'18, Nutation = 0°00'18, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°04'26, Lahiri = 22°11'26

ASTRODIENST EPHEMERIS for the year 1880
geocentric

OCTOBER 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
F 1	0 40 24	8♎10'48	28♌48	18♎23	29♎26	16♎ 8	15°R22	26°R51	11♍11	13°R49	28°R10	1°R28	1♑29	1♋ 7	17°R 0	F 1
S 2	0 44 21	9° 9'55	11♍43	20° 0	0♏40	16°47	15♈14	26♈47	11°15	13♉48	28♉10	1♑18	1°26	1°13	16♉58	S 2
S 3	0 48 17	10° 9'03	25° 0	21°37	1°55	17°27	15° 6	26°42	11°18	13°46	28° 9	1° 6	1°22	1°20	16°55	S 3
M 4	0 52 14	11° 8'14	8♎37	23°12	3° 9	18° 7	14°58	26°38	11°22	13°45	28° 8	0°54	1°19	1°26	16°53	M 4
T 5	0 56 11	12° 7'26	22°31	24°47	4°23	18°47	14°50	26°33	11°25	13°44	28° 8	0°42	1°16	1°33	16°51	T 5
W 6	1 0 7	13° 6'41	6♏37	26°21	5°37	19°27	14°42	26°29	11°28	13°42	28° 7	0°32	1°13	1°40	16°48	W 6
T 7	1 4 4	14° 5'57	20°52	27°54	6°51	20° 7	14°34	26°24	11°32	13°41	28° 6	0°24	1°10	1°46	16°46	T 7
F 8	1 8 0	15° 5'16	5♐ 9	29°27	8° 5	20°47	14°26	26°19	11°35	13°39	28° 5	0°19	1° 7	1°53	16°43	F 8
S 9	1 11 57	16° 4'36	19°25	0♏59	9°19	21°27	14°18	26°15	11°38	13°38	28° 4	0°17	1° 3	2° 0	16°41	S 9
S 10	1 15 53	17° 3'58	3♑37	2°30	10°33	22° 7	14° 9	26°10	11°42	13°36	28° 4	0°D17	1° 0	2° 6	16°38	S 10
M11	1 19 50	18° 3'22	17°44	4° 0	11°48	22°47	14° 1	26° 5	11°45	13°35	28° 3	0°R17	0°57	2°13	16°36	M11
T 12	1 23 46	19° 2'48	1♒45	5°30	13° 2	23°28	13°53	26° 1	11°48	13°33	28° 2	0°17	0°54	2°20	16°33	T 12
W13	1 27 43	20° 2'15	15°39	6°59	14°16	24° 8	13°45	25°56	11°51	13°32	28° 1	0°14	0°51	2°26	16°30	W13
T 14	1 31 40	21° 1'44	29°25	8°27	15°30	24°48	13°37	25°51	11°54	13°30	28° 0	0° 9	0°47	2°33	16°28	T 14
F 15	1 35 36	22° 1'15	13♓ 3	9°54	16°44	25°28	13°29	25°46	11°57	13°29	27°59	0° 1	0°44	2°40	16°25	F 15
S 16	1 39 33	23° 0'47	26°31	11°21	17°58	26° 9	13°22	25°42	12° 0	13°27	27°59	29♐51	0°41	2°46	16°22	S 16
S 17	1 43 29	24° 0'22	9♈46	12°47	19°12	26°49	13°14	25°37	12° 4	13°26	27°58	29°40	0°38	2°53	16°19	S 17
M18	1 47 26	24°59'58	22°48	14°12	20°26	27°30	13° 6	25°32	12° 7	13°24	27°57	29°29	0°35	2°59	16°16	M18
T 19	1 51 22	25°59'37	5♉34	15°36	21°40	28°10	12°58	25°27	12°10	13°23	27°56	29°18	0°32	3° 6	16°14	T 19
W20	1 55 19	26°59'17	18° 5	16°59	22°54	28°51	12°51	25°22	12°12	13°21	27°55	29° 9	0°28	3°13	16°11	W20
T 21	1 59 15	27°59'00	0♊22	18°22	24° 8	29°31	12°43	25°18	12°15	13°19	27°54	29° 3	0°25	3°19	16° 8	T 21
F 22	2 3 12	28°58'45	12°25	19°43	25°22	0♏12	12°36	25°13	12°18	13°18	27°53	28°59	0°22	3°26	16° 5	F 22
S 23	2 7 9	29°58'32	24°19	21° 4	26°36	0°52	12°28	25° 8	12°21	13°16	27°52	28°D57	0°19	3°33	16° 2	S 23
S 24	2 11 5	0♏58'21	6♋ 8	22°23	27°50	1°33	12°21	25° 3	12°24	13°15	27°51	28°57	0°16	3°39	15°59	S 24
M25	2 15 2	1°58'12	17°55	23°42	29° 4	2°14	12°14	24°59	12°27	13°13	27°50	28°58	0°13	3°46	15°56	M25
T 26	2 18 58	2°58'06	29°46	24°59	0♐18	2°55	12° 7	24°54	12°29	13°11	27°49	28°R59	0° 9	3°53	15°53	T 26
W27	2 22 55	3°58'01	11♑47	26°14	1°32	3°36	12° 0	24°49	12°32	13°10	27°48	28°59	0° 6	3°59	15°50	W27
T 28	2 26 51	4°57'59	24° 3	27°29	2°46	4°16	11°53	24°45	12°35	13° 8	27°47	28°57	0° 3	4° 6	15°47	T 28
F 29	2 30 48	5°57'59	6♍39	28°41	3°59	4°57	11°46	24°40	12°37	13° 6	27°46	28°52	29♐59	4°13	15°44	F 29
S 30	2 34 44	6°58'01	19°38	29°52	5°13	5°38	11°40	24°35	12°40	13° 5	27°45	28°46	29°57	4°19	15°41	S 30
S 31	2 38 41	7♏58'06	3♎ 2	1♐ 1	6♐27	6♏19	11♈33	24♈31	12♍43	13♉ 3	27♉44	28♐38	29♐53	4♋26	15♉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
F 1	3s15	7n56	4s14	7s 1	0n12	10s52	0n26	5s51	0n32	4n33	1s38	7n46	2s46	8n 3	0n44	14n15	1s50	6n21	13s45	23s27	23s27	23n29	14n59	2s 1
S 2	3 38	2 48	4 44	7 45	0 5	11 21	0 24	6 7	0 31	4 30	1 38	7 45	2 46	8 2	0 44	14 15	1 50	6 20	13 45	23 27	23 27	23 28	14 58	2 2
S 3	4 1	2s35	4 59	8 27	0s 2	11 49	0 21	6 23	0 31	4 27	1 38	7 43	2 46	8 1	0 44	14 14	1 50	6 20	13 45	23 27	23 27	23 27	14 57	2 2
M 4	4 25	7 59	4 58	9 9	0 9	12 16	0 19	6 39	0 30	4 23	1 38	7 41	2 47	7 59	0 44	14 14	1 50	6 20	13 45	23 27	23 27	23 26	14 56	2 2
T 5	4 48	13 5	4 40	9 51	0 16	12 44	0 16	6 54	0 30	4 20	1 38	7 40	2 47	7 58	0 44	14 13	1 50	6 19	13 45	23 27	23 27	23 25	14 56	2 2
W 6	5 11	17 34	4 4	10 32	0 23	13 11	0 14	7 10	0 29	4 17	1 38	7 38	2 47	7 57	0 44	14 13	1 50	6 19	13 46	23 27	23 27	23 24	14 55	2 2
T 7	5 34	21 5	3 13	11 12	0 30	13 38	0 11	7 25	0 29	4 14	1 38	7 36	2 47	7 56	0 44	14 12	1 50	6 19	13 46	23 27	23 27	23 23	14 54	2 2
F 8	5 57	23 17	2 9	11 52	0 37	14 5	0 8	7 41	0 28	4 11	1 38	7 34	2 47	7 54	0 44	14 12	1 50	6 18	13 46	23 27	23 27	23 22	14 53	2 3
S 9	6 20	23 59	0 57	12 30	0 44	14 31	0 6	7 56	0 28	4 8	1 38	7 33	2 47	7 53	0 44	14 11	1 50	6 18	13 46	23 27	23 27	23 21	14 52	2 3
S 10	6 42	23 7	0n18	13 9	0 51	14 57	0 3	8 12	0 27	4 5	1 38	7 31	2 47	7 52	0 44	14 11	1 50	6 18	13 46	23 27	23 27	23 20	14 51	2 3
M11	7 5	20 46	1 31	13 46	0 58	15 23	0 0	8 27	0 27	4 2	1 38	7 29	2 47	7 51	0 44	14 10	1 50	6 17	13 46	23 27	23 27	23 19	14 50	2 3
T 12	7 28	17 12	2 39	14 23	1 5	15 48	0s 2	8 43	0 26	3 59	1 38	7 27	2 47	7 49	0 44	14 10	1 50	6 17	13 47	23 27	23 27	23 18	14 50	2 3
W13	7 50	12 42	3 36	14 59	1 12	16 13	0 5	8 58	0 26	3 56	1 38	7 26	2 47	7 48	0 44	14 10	1 50	6 17	13 47	23 27	23 27	23 17	14 49	2 3
T 14	8 13	7 36	4 21	15 34	1 18	16 37	0 8	9 13	0 25	3 53	1 38	7 24	2 47	7 47	0 44	14 9	1 50	6 17	13 47	23 27	23 27	23 16	14 48	2 4
F 15	8 35	2 12	4 50	16 8	1 25	17 1	0 10	9 29	0 25	3 50	1 38	7 22	2 47	7 46	0 44	14 9	1 50	6 16	13 47	23 27	23 27	23 15	14 47	2 4
S 16	8 57	3n14	5 2	16 41	1 31	17 24	0 13	9 44	0 24	3 47	1 38	7 21	2 47	7 45	0 44	14 8	1 50	6 16	13 47	23 27	23 27	23 14	14 46	2 4
S 17	9 19	8 26	4 58	17 14	1 38	17 48	0 16	9 59	0 23	3 44	1 38	7 19	2 47	7 44	0 44	14 8	1 50	6 16	13 47	23 27	23 27	23 13	14 45	2 4
M18	9 41	13 11	4 38	17 46	1 44	18 10	0 19	10 14	0 23	3 41	1 37	7 17	2 47	7 43	0 45	14 7	1 50	6 15	13 47	23 27	23 27	23 12	14 44	2 4
T 19	10 3	17 14	4 5	18 16	1 50	18 32	0 22	10 29	0 22	3 38	1 37	7 15	2 47	7 41	0 45	14 7	1 50	6 15	13 48	23 27	23 27	23 11	14 43	2 4
W20	10 24	20 26	3 20	18 46	1 56	18 54	0 24	10 44	0 22	3 35	1 37	7 14	2 47	7 40	0 45	14 6	1 50	6 15	13 48	23 27	23 27	23 10	14 42	2 4
T 21	10 46	22 38	2 27	19 15	2 2	19 15	0 27	10 59	0 21	3 32	1 37	7 12	2 47	7 39	0 45	14 6	1 50	6 14	13 48	23 27	23 27	23 9	14 41	2 5
F 22	11 7	23 45	1 27	19 43	2 7	19 36	0 30	11 13	0 21	3 29	1 37	7 10	2 47	7 38	0 45	14 5	1 50	6 14	13 48	23 27	23 27	23 8	14 40	2 5
S 23	11 28	23 45	0 25	20 10	2 12	19 56	0 33	11 28	0 20	3 27	1 37	7 9	2 47	7 37	0 45	14 5	1 50	6 14	13 48	23 27	23 27	23 7	14 39	2 5
S 24	11 49	22 40	0s38	20 35	2 17	20 16	0 35	11 43	0 20	3 24	1 37	7 7	2 47	7 36	0 45	14 4	1 50	6 13	13 48	23 27	23 27	23 6	14 38	2 5
M25	12 10	20 36	1 40	21 0	2 22	20 35	0 38	11 57	0 19	3 21	1 37	7 5	2 47	7 35	0 45	14 4	1 50	6 13	13 48	23 27	23 27	23 5	14 37	2 5
T 26	12 31	17 38	2 38	21 24	2 27	20 53	0 41	12 12	0 19	3 19	1 36	7 4	2 47	7 34	0 45	14 3	1 50	6 13	13 48	23 27	23 27	23 4	14 36	2 5
W27	12 51	13 54	3 29	21 46	2 31	21 11	0 44	12 26	0 18	3 16	1 36	7 2	2 47	7 33	0 45	14 3	1 50	6 12	13 48	23 27	23 27	23 3	14 35	2 5
T 28	13 11	9 32	4 13	22 7	2 35	21 29	0 46	12 41	0 17	3 14	1 36	7 0	2 47	7 32	0 45	14 2	1 50	6 12	13 49	23 27	23 27	23 2	14 34	2 5
F 29	13 31	4 40	4 45	22 27	2 38	21 46	0 49	12 55	0 17	3 11	1 36	6 59	2 47	7 31	0 45	14 2	1 50	6 12	13 49	23 27	23 27	23 1	14 33	2 6
S 30	13 51	0s33	5 3	22 45	2 41	22 2	0 52	13 9	0 16	3 9	1 36	6 57	2 47	7 30	0 45	14 1	1 50	6 12	13 49	23 27	23 27	22 59	14 32	2 6
S 31	14s10	5s53	5s 6	23s 2	2s44	22s18	0s54	13s23	0n16	3n 6	1s36	6n55	2s46	7n29	0n45	14n 1	1s50	6n11	13s49	23s27	23s27	22n58	14n31	2s 6

Julian Day Number = 2407989.5, Delta T = -3.51 sec
Ecliptic obliquity = 23°27'18, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°04'30, Lahiri = 22°11'30

ASTRODIENST EPHEMERIS for the year 1880
geocentric

NOVEMBER 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
M 1	2 42 38	8♏58'12	16♎51	2♐ 7	7♐41	7♏ 0	11°R27	24°R26	12♍45	13°R 1	27°R43	28°R30	29♐50	4♋32	15°R35	M 1
T 2	2 46 34	9°58'20	1♏ 3	3°12	8°55	7°42	11♈21	24♈22	12°48	13♉ 0	27♉42	28♐21	29°47	4°39	15♉32	T 2
W 3	2 50 31	10°58'30	15°32	4°13	10° 9	8°23	11°15	24°17	12°50	12°58	27°41	28°14	29°44	4°46	15°28	W 3
T 4	2 54 27	11°58'42	0♐13	5°11	11°23	9° 4	11° 9	24°13	12°52	12°56	27°40	28° 9	29°41	4°52	15°25	T 4
F 5	2 58 24	12°58'56	14°56	6° 6	12°37	9°45	11° 3	24° 8	12°55	12°54	27°39	28° 7	29°38	4°59	15°22	F 5
S 6	3 2 20	13°59'12	29°36	6°57	13°51	10°26	10°57	24° 4	12°57	12°53	27°37	28°D 6	29°34	5° 6	15°19	S 6
S 7	3 6 17	14°59'29	14♑ 8	7°44	15° 4	11° 8	10°52	24° 0	12°59	12°51	27°36	28° 7	29°31	5°12	15°16	S 7
M 8	3 10 13	15°59'47	28°27	8°26	16°18	11°49	10°47	23°55	13° 1	12°49	27°35	28° 8	29°28	5°19	15°13	M 8
T 9	3 14 10	17° 0'07	12♒31	9° 2	17°32	12°31	10°42	23°51	13° 4	12°48	27°34	28°R 9	29°25	5°26	15°10	T 9
W10	3 18 7	18° 0'28	26°20	9°33	18°46	13°12	10°37	23°47	13° 6	12°46	27°33	28° 9	29°22	5°32	15° 7	W10
T 11	3 22 3	19° 0'50	9♓54	9°57	19°59	13°54	10°32	23°43	13° 8	12°44	27°32	28° 7	29°19	5°39	15° 3	T 11
F 12	3 26 0	20° 1'14	23°14	10°13	21°13	14°35	10°27	23°39	13°10	12°43	27°31	28° 3	29°15	5°46	15° 0	F 12
S 13	3 29 56	21° 1'39	6♈20	10°R21	22°27	15°17	10°23	23°35	13°12	12°41	27°30	27°58	29°12	5°52	14°57	S 13
S 14	3 33 53	22° 2'06	19°13	10°20	23°41	15°58	10°19	23°31	13°14	12°39	27°29	27°51	29° 9	5°59	14°54	S 14
M15	3 37 49	23° 2'34	1♉53	10°10	24°54	16°40	10°15	23°27	13°15	12°38	27°27	27°45	29° 6	6° 6	14°51	M15
T 16	3 41 46	24° 3'03	14°21	9°50	26° 8	17°22	10°11	23°23	13°17	12°36	27°26	27°39	29° 3	6°12	14°48	T 16
W17	3 45 42	25° 3'34	26°37	9°19	27°22	18° 3	10° 7	23°20	13°19	12°34	27°25	27°34	28°59	6°19	14°45	W17
T 18	3 49 39	26° 4'07	8♊43	8°38	28°35	18°45	10° 4	23°16	13°21	12°33	27°24	27°31	28°56	6°25	14°42	T 18
F 19	3 53 36	27° 4'41	20°40	7°46	29°49	19°27	10° 1	23°13	13°22	12°31	27°23	27°29	28°53	6°32	14°39	F 19
S 20	3 57 32	28° 5'17	2♋31	6°45	1♑ 2	20° 9	9°58	23° 9	13°24	12°29	27°22	27°D29	28°50	6°39	14°36	S 20
S 21	4 1 29	29° 5'54	14°18	5°36	2°16	20°51	9°55	23° 6	13°26	12°28	27°21	27°30	28°47	6°45	14°33	S 21
M22	4 5 25	0♐ 6'33	26° 5	4°20	3°29	21°33	9°52	23° 2	13°27	12°26	27°20	27°32	28°44	6°52	14°30	M22
T 23	4 9 22	1° 7'14	7♌56	3° 0	4°43	22°15	9°50	22°59	13°29	12°25	27°18	27°34	28°40	6°59	14°27	T 23
W24	4 13 18	2° 7'56	19°56	1°37	5°56	22°57	9°47	22°56	13°30	12°23	27°17	27°35	28°37	7° 5	14°24	W24
T 25	4 17 15	3° 8'40	2♍ 9	0°16	7°10	23°39	9°45	22°53	13°31	12°22	27°16	27°R36	28°34	7°12	14°21	T 25
F 26	4 21 11	4° 9'25	14°41	28♏59	8°23	24°21	9°43	22°50	13°33	12°20	27°15	27°36	28°31	7°19	14°18	F 26
S 27	4 25 8	5°10'12	27°35	27°47	9°37	25° 4	9°42	22°47	13°34	12°18	27°14	27°34	28°28	7°25	14°15	S 27
S 28	4 29 5	6°11'00	10♎55	26°44	10°50	25°46	9°40	22°44	13°35	12°17	27°13	27°32	28°25	7°32	14°12	S 28
M29	4 33 1	7°11'50	24°43	25°51	12° 3	26°28	9°39	22°41	13°36	12°15	27°12	27°29	28°21	7°39	14°10	M29
T 30	4 36 58	8♐12'41	8♏58	25♏ 8	13♑17	27♏11	9♈38	22♈39	13♍37	12♉14	27♉11	27♐26	28♐18	7♋45	14♉ 7	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	14s30	11s 7	4s52	23s18	2s46	22s33	0s57	13s37	0n15	3n 4	1s35	6n54	2s46	7n28	0n45	14n 0	1s50	6n11	13s49	23s27	23s27	22n57	14n30	2s 6	M 1
T 2	14 49	15 54	4 19	23 33	2 47	22 47	1 0	13 51	0 15	3 2	1 35	6 52	2 46	7 27	0 45	14 0	1 50	6 11	13 49	23 27	23 27	22 56	14 29	2 6	T 2
W 3	15 8	19 50	3 29	23 45	2 48	23 1	1 2	14 5	0 14	3 0	1 35	6 51	2 46	7 26	0 45	13 59	1 50	6 10	13 49	23 27	23 27	22 55	14 28	2 6	W 3
T 4	15 26	22 34	2 25	23 56	2 48	23 14	1 5	14 19	0 13	2 58	1 35	6 49	2 46	7 26	0 45	13 59	1 50	6 10	13 49	23 27	23 27	22 54	14 27	2 6	T 4
F 5	15 45	23 46	1 11	24 6	2 48	23 26	1 7	14 32	0 13	2 56	1 35	6 48	2 46	7 25	0 45	13 58	1 50	6 10	13 49	23 26	23 27	22 53	14 26	2 6	F 5
S 6	16 3	23 19	0n 8	24 14	2 47	23 38	1 10	14 46	0 12	2 54	1 34	6 46	2 46	7 24	0 45	13 58	1 50	6 10	13 49	23 26	23 27	22 52	14 25	2 6	S 6
S 7	16 21	21 17	1 26	24 20	2 45	23 49	1 12	14 59	0 12	2 52	1 34	6 45	2 46	7 23	0 45	13 57	1 50	6 9	13 49	23 26	23 27	22 50	14 24	2 7	S 7
M 8	16 38	17 55	2 37	24 24	2 42	23 59	1 15	15 13	0 11	2 50	1 34	6 43	2 46	7 22	0 45	13 57	1 50	6 9	13 49	23 26	23 27	22 49	14 23	2 7	M 8
T 9	16 55	13 34	3 38	24 25	2 38	24 9	1 17	15 26	0 11	2 48	1 34	6 42	2 45	7 21	0 45	13 56	1 50	6 9	13 49	23 27	23 27	22 48	14 22	2 7	T 9
W10	17 12	8 36	4 25	24 25	2 33	24 18	1 19	15 39	0 10	2 46	1 33	6 41	2 45	7 21	0 45	13 56	1 50	6 9	13 49	23 27	23 27	22 47	14 21	2 7	W10
T 11	17 29	3 18	4 55	24 23	2 27	24 26	1 22	15 52	0 9	2 45	1 33	6 39	2 45	7 20	0 45	13 55	1 50	6 8	13 49	23 26	23 27	22 46	14 20	2 7	T 11
F 12	17 45	2n 3	5 10	24 18	2 20	24 33	1 24	16 5	0 9	2 43	1 33	6 38	2 45	7 19	0 45	13 55	1 50	6 8	13 49	23 26	23 27	22 45	14 19	2 7	F 12
S 13	18 2	7 13	5 8	24 10	2 11	24 40	1 26	16 18	0 8	2 42	1 33	6 37	2 45	7 18	0 45	13 54	1 50	6 8	13 49	23 26	23 27	22 44	14 18	2 7	S 13
S 14	18 17	11 59	4 50	24 0	2 1	24 46	1 28	16 30	0 8	2 40	1 32	6 35	2 45	7 18	0 45	13 54	1 50	6 8	13 49	23 26	23 27	22 42	14 17	2 7	S 14
M15	18 33	16 10	4 18	23 47	1 49	24 52	1 30	16 43	0 7	2 39	1 32	6 34	2 44	7 17	0 45	13 53	1 50	6 7	13 49	23 26	23 27	22 41	14 16	2 7	M15
T 16	18 48	19 34	3 34	23 31	1 35	24 56	1 32	16 55	0 7	2 38	1 32	6 33	2 44	7 16	0 46	13 53	1 50	6 7	13 49	23 26	23 27	22 40	14 16	2 7	T 16
W17	19 3	22 1	2 41	23 11	1 20	25 0	1 34	17 8	0 6	2 36	1 32	6 32	2 44	7 16	0 46	13 52	1 50	6 7	13 49	23 26	23 27	22 39	14 15	2 7	W17
T 18	19 17	23 26	1 41	22 49	1 4	25 3	1 36	17 20	0 5	2 35	1 31	6 30	2 44	7 15	0 46	13 52	1 50	6 7	13 49	23 26	23 27	22 38	14 14	2 7	T 18
F 19	19 31	23 45	0 37	22 23	0 46	25 6	1 38	17 32	0 5	2 34	1 31	6 29	2 44	7 15	0 46	13 51	1 50	6 7	13 49	23 26	23 27	22 36	14 13	2 8	F 19
S 20	19 45	22 58	0s28	21 54	0 27	25 7	1 40	17 44	0 4	2 33	1 31	6 28	2 44	7 14	0 46	13 51	1 50	6 6	13 49	23 26	23 27	22 35	14 12	2 8	S 20
S 21	19 58	21 10	1 31	21 22	0 7	25 8	1 42	17 55	0 4	2 33	1 30	6 27	2 43	7 13	0 46	13 50	1 50	6 6	13 49	23 26	23 27	22 34	14 11	2 8	S 21
M22	20 11	18 28	2 31	20 48	0n13	25 8	1 44	18 7	0 3	2 32	1 30	6 26	2 43	7 13	0 46	13 50	1 50	6 6	13 49	23 26	23 27	22 33	14 10	2 8	M22
T 23	20 24	15 0	3 25	20 13	0 34	25 8	1 45	18 18	0 2	2 31	1 30	6 25	2 43	7 12	0 46	13 49	1 50	6 6	13 49	23 26	23 27	22 32	14 9	2 8	T 23
W24	20 36	10 53	4 10	19 37	0 54	25 6	1 47	18 30	0 2	2 30	1 30	6 24	2 43	7 12	0 46	13 49	1 50	6 6	13 49	23 26	23 27	22 30	14 8	2 8	W24
T 25	20 48	6 16	4 45	19 2	1 13	25 4	1 48	18 41	0 1	2 30	1 29	6 23	2 43	7 11	0 46	13 48	1 50	6 5	13 49	23 26	23 27	22 29	14 7	2 8	T 25
F 26	20 59	1 18	5 8	18 28	1 31	25 1	1 50	18 52	0 1	2 29	1 29	6 22	2 42	7 11	0 46	13 48	1 50	6 5	13 49	23 26	23 27	22 28	14 6	2 8	F 26
S 27	21 11	3s52	5 16	17 56	1 47	24 57	1 51	19 3	0s 0	2 29	1 29	6 21	2 42	7 10	0 46	13 48	1 50	6 5	13 49	23 26	23 27	22 27	14 5	2 8	S 27
S 28	21 21	9 2	5 7	17 28	2 1	24 53	1 53	19 13	0 1	2 29	1 28	6 21	2 42	7 10	0 46	13 47	1 50	6 5	13 49	23 26	23 27	22 25	14 4	2 8	S 28
M29	21 32	13 56	4 41	17 4	2 13	24 48	1 54	19 24	0 1	2 29	1 28	6 20	2 42	7 10	0 46	13 47	1 50	6 5	13 49	23 26	23 27	22 24	14 4	2 8	M29
T 30	21s41	18s14	3s57	16s45	2n23	24s42	1s55	19s34	0s 2	2n28	1s28	6n19	2s41	7n 9	0n46	13n46	1s50	6n 5	13s48	23s26	23s27	22n23	14n 3	2s 8	T 30

Julian Day Number = 2408020.5, Delta T = -3.55 sec
Ecliptic obliquity = 23°27'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°04'34, Lahiri = 22°11'35

ASTRODIENST EPHEMERIS for the year 1880
geocentric

DECEMBER 1880 — 00:00 UT

Day	Sid.t	☉	☽	☿	♀	♂	♃	♄	♅	♆	♇	☊	☊	⚸	⚷	Day
W 1	4 40 54	9♐13'34	23♏36	24°R37	14♑30	27♏53	9°R37	22°R36	13♍38	12°R12	27°R 9	27°R23	28♐15	7♋52	14°R 4	W 1
T 2	4 44 51	10°14'28	8♐31	24♏18	15°43	28°36	9♈37	22♈34	13°39	12♉11	27♉ 8	27♐22	28°12	7°59	14♉ 1	T 2
F 3	4 48 47	11°15'23	23°36	24°D10	16°56	29°18	9°36	22°32	13°40	12°10	27° 7	27°D21	28° 9	8° 5	13°59	F 3
S 4	4 52 44	12°16'19	8♑40	24°12	18°10	0♐ 1	9°D36	22°29	13°41	12° 8	27° 6	27°21	28° 5	8°12	13°56	S 4
S 5	4 56 40	13°17'16	23°35	24°24	19°23	0°43	9°36	22°27	13°42	12° 7	27° 5	27°22	28° 2	8°18	13°53	S 5
M 6	5 0 37	14°18'13	8♒16	24°46	20°36	1°26	9°36	22°25	13°43	12° 5	27° 4	27°23	27°59	8°25	13°51	M 6
T 7	5 4 34	15°19'11	22°35	25°15	21°49	2° 8	9°37	22°23	13°43	12° 4	27° 3	27°24	27°56	8°32	13°48	T 7
W 8	5 8 30	16°20'10	6♓33	25°53	23° 2	2°51	9°38	22°21	13°44	12° 3	27° 2	27°25	27°53	8°38	13°46	W 8
T 9	5 12 27	17°21'10	20° 7	26°36	24°15	3°34	9°38	22°20	13°45	12° 1	27° 1	27°R25	27°50	8°45	13°43	T 9
F 10	5 16 23	18°22'09	3♈20	27°26	25°28	4°17	9°40	22°18	13°45	12° 0	27° 0	27°25	27°46	8°52	13°41	F 10
S 11	5 20 20	19°23'10	16°14	28°20	26°41	5° 0	9°41	22°16	13°46	11°59	26°59	27°24	27°43	8°58	13°38	S 11
S 12	5 24 16	20°24'11	28°51	29°20	27°54	5°43	9°42	22°15	13°46	11°58	26°58	27°23	27°40	9° 5	13°36	S 12
M13	5 28 13	21°25'12	11♉15	0♐23	29° 6	6°25	9°44	22°14	13°46	11°56	26°57	27°22	27°37	9°12	13°34	M13
T 14	5 32 9	22°26'15	23°26	1°29	0♒19	7° 8	9°46	22°13	13°47	11°55	26°56	27°21	27°34	9°18	13°31	T 14
W15	5 36 6	23°27'17	5♊29	2°39	1°32	7°51	9°48	22°11	13°47	11°54	26°55	27°21	27°31	9°25	13°29	W15
T 16	5 40 3	24°28'21	17°25	3°51	2°45	8°35	9°50	22°10	13°47	11°53	26°54	27°21	27°27	9°32	13°27	T 16
F 17	5 43 59	25°29'24	29°16	5° 6	3°57	9°18	9°53	22°10	13°47	11°52	26°53	27°D21	27°24	9°38	13°25	F 17
S 18	5 47 56	26°30'29	11♋ 5	6°22	5°10	10° 1	9°56	22° 9	13°47	11°51	26°52	27°21	27°21	9°45	13°23	S 18
S 19	5 51 52	27°31'34	22°52	7°40	6°22	10°44	9°59	22° 8	13°R47	11°50	26°51	27°R21	27°18	9°52	13°21	S 19
M20	5 55 49	28°32'40	4♌42	9° 0	7°34	11°27	10° 2	22° 8	13°47	11°48	26°50	27°21	27°15	9°58	13°19	M20
T 21	5 59 45	29°33'46	16°36	10°21	8°47	12°11	10° 5	22° 7	13°47	11°47	26°49	27°20	27°11	10° 5	13°17	T 21
W22	6 3 42	0♑34'53	28°38	11°44	9°59	12°54	10° 8	22° 7	13°47	11°46	26°48	27°20	27° 8	10°11	13°15	W22
T 23	6 7 39	1°36'00	10♍52	13° 7	11°11	13°37	10°12	22° 7	13°47	11°45	26°47	27°20	27° 5	10°18	13°13	T 23
F 24	6 11 35	2°37'08	23°21	14°31	12°23	14°21	10°16	22° 7	13°47	11°45	26°46	27°19	27° 2	10°25	13°11	F 24
S 25	6 15 32	3°38'16	6♎ 9	15°57	13°35	15° 4	10°20	22°D 7	13°46	11°44	26°45	27°D19	26°59	10°31	13°10	S 25
S 26	6 19 28	4°39'26	19°20	17°23	14°47	15°48	10°24	22° 7	13°46	11°43	26°45	27°19	26°56	10°38	13° 8	S 26
M27	6 23 25	5°40'35	2♏57	18°49	15°59	16°31	10°29	22° 7	13°45	11°42	26°44	27°20	26°52	10°45	13° 6	M27
T 28	6 27 21	6°41'46	17° 0	20°17	17°11	17°15	10°34	22° 7	13°45	11°41	26°43	27°21	26°49	10°51	13° 5	T 28
W29	6 31 18	7°42'56	1♐30	21°44	18°23	17°59	10°38	22° 8	13°44	11°40	26°42	27°22	26°46	10°58	13° 3	W29
T 30	6 35 14	8°44'07	16°22	23°13	19°34	18°42	10°43	22° 8	13°44	11°40	26°41	27°22	26°43	11° 5	13° 2	T 30
F 31	6 39 11	9♑45'19	1♑30	24♐42	20♒46	19♐26	10♈49	22♈ 9	13♍43	11♉39	26♉40	27°R23	26♐40	11♋11	13♉ 1	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	21s51	21s32	2s56	16s30	2n31	24s35	1s56	19s44	0s 2	2n28	1s28	6n18	2s41	7n 9	0n46	13n46	1s50	6n 4	13s48	23s26	23s27	22n22	14n 2	2s 8
T 2	22 0	23 26	1 42	16 20	2 36	24 28	1 57	19 54	0 3	2 28	1 27	6 18	2 41	7 9	0 46	13 45	1 50	6 4	13 48	23 26	23 27	22 20	14 1	2 8
F 3	22 9	23 39	0 21	16 15	2 40	24 20	1 58	20 4	0 4	2 29	1 27	6 17	2 41	7 8	0 46	13 45	1 50	6 4	13 48	23 26	23 26	22 19	14 0	2 8
S 4	22 17	22 8	1n 2	16 13	2 42	24 11	1 59	20 14	0 4	2 29	1 27	6 16	2 40	7 8	0 46	13 45	1 50	6 4	13 48	23 26	23 26	22 18	13 59	2 8
S 5	22 25	19 5	2 21	16 16	2 42	24 2	2 0	20 24	0 5	2 29	1 26	6 16	2 40	7 8	0 46	13 44	1 50	6 4	13 48	23 26	23 26	22 17	13 59	2 8
M 6	22 32	14 52	3 28	16 22	2 41	23 52	2 1	20 33	0 5	2 29	1 26	6 15	2 40	7 7	0 46	13 44	1 50	6 4	13 48	23 26	23 26	22 15	13 58	2 8
T 7	22 39	9 53	4 21	16 31	2 39	23 41	2 1	20 42	0 6	2 30	1 26	6 15	2 40	7 7	0 46	13 43	1 50	6 4	13 48	23 26	23 26	22 14	13 57	2 8
W 8	22 45	4 31	4 57	16 43	2 35	23 29	2 2	20 51	0 7	2 30	1 25	6 14	2 39	7 7	0 46	13 43	1 50	6 4	13 48	23 26	23 26	22 13	13 56	2 8
T 9	22 51	0n55	5 15	16 57	2 31	23 17	2 2	21 0	0 7	2 31	1 25	6 14	2 39	7 7	0 47	13 43	1 50	6 4	13 48	23 26	23 26	22 11	13 56	2 8
F 10	22 57	6 9	5 16	17 13	2 26	23 4	2 3	21 9	0 8	2 32	1 25	6 14	2 39	7 7	0 47	13 42	1 50	6 3	13 47	23 26	23 26	22 10	13 55	2 8
S 11	23 2	11 1	5 1	17 31	2 21	22 50	2 3	21 17	0 9	2 33	1 24	6 13	2 39	7 6	0 47	13 42	1 50	6 3	13 47	23 26	23 26	22 9	13 54	2 8
S 12	23 6	15 18	4 31	17 50	2 15	22 36	2 3	21 25	0 9	2 33	1 24	6 13	2 38	7 6	0 47	13 42	1 50	6 3	13 47	23 26	23 26	22 7	13 53	2 8
M13	23 11	18 51	3 49	18 9	2 8	22 21	2 3	21 33	0 10	2 34	1 24	6 13	2 38	7 6	0 47	13 41	1 50	6 3	13 47	23 26	23 26	22 6	13 53	2 8
T 14	23 14	21 31	2 58	18 29	2 1	22 6	2 3	21 41	0 10	2 35	1 24	6 13	2 38	7 6	0 47	13 41	1 50	6 3	13 47	23 26	23 26	22 5	13 52	2 8
W15	23 18	23 11	1 59	18 50	1 54	21 50	2 3	21 49	0 11	2 37	1 23	6 12	2 38	7 6	0 47	13 41	1 49	6 3	13 47	23 26	23 26	22 3	13 51	2 8
T 16	23 20	23 46	0 55	19 11	1 47	21 33	2 3	21 56	0 12	2 38	1 23	6 12	2 37	7 6	0 47	13 40	1 49	6 3	13 46	23 26	23 26	22 2	13 51	2 8
F 17	23 23	23 16	0s11	19 32	1 39	21 16	2 3	22 4	0 12	2 39	1 23	6 12	2 37	7 6	0 47	13 40	1 49	6 3	13 46	23 26	23 26	22 1	13 50	2 8
S 18	23 24	21 44	1 16	19 53	1 31	20 58	2 2	22 11	0 13	2 40	1 22	6 12	2 37	7 6	0 47	13 40	1 49	6 3	13 46	23 26	23 26	21 59	13 49	2 8
S 19	23 26	19 15	2 17	20 14	1 24	20 39	2 2	22 18	0 14	2 42	1 22	6 12	2 36	7 6	0 47	13 39	1 49	6 3	13 46	23 26	23 26	21 58	13 49	2 8
M20	23 27	15 58	3 13	20 34	1 16	20 20	2 1	22 24	0 14	2 43	1 22	6 12	2 36	7 6	0 47	13 39	1 49	6 3	13 46	23 26	23 26	21 57	13 48	2 8
T 21	23 27	12 2	4 1	20 54	1 8	20 1	2 1	22 31	0 15	2 45	1 21	6 12	2 36	7 6	0 47	13 39	1 49	6 3	13 46	23 26	23 25	21 55	13 48	2 8
W22	23 27	7 35	4 39	21 13	1 0	19 41	2 0	22 37	0 16	2 46	1 21	6 13	2 36	7 6	0 47	13 39	1 49	6 3	13 45	23 26	23 25	21 54	13 47	2 8
T 23	23 27	2 47	5 5	21 32	0 52	19 20	1 59	22 43	0 16	2 48	1 21	6 13	2 35	7 7	0 47	13 38	1 49	6 3	13 45	23 26	23 25	21 53	13 47	2 8
F 24	23 26	2s13	5 17	21 50	0 44	18 59	1 58	22 49	0 17	2 50	1 21	6 13	2 35	7 7	0 47	13 38	1 49	6 3	13 45	23 26	23 25	21 51	13 46	2 8
S 25	23 24	7 15	5 14	22 7	0 36	18 37	1 57	22 54	0 17	2 52	1 20	6 13	2 35	7 7	0 47	13 38	1 49	6 3	13 45	23 26	23 25	21 50	13 46	2 8
S 26	23 22	12 7	4 55	22 23	0 28	18 15	1 56	23 0	0 18	2 54	1 20	6 14	2 34	7 7	0 47	13 38	1 49	6 3	13 45	23 26	23 25	21 49	13 45	2 8
M27	23 20	16 33	4 19	22 39	0 21	17 52	1 54	23 5	0 19	2 56	1 20	6 14	2 34	7 7	0 47	13 38	1 49	6 3	13 44	23 26	23 25	21 47	13 45	2 8
T 28	23 17	20 13	3 26	22 53	0 13	17 29	1 53	23 10	0 19	2 58	1 19	6 14	2 34	7 7	0 47	13 37	1 49	6 3	13 44	23 26	23 25	21 46	13 44	2 8
W29	23 14	22 44	2 19	23 6	0 5	17 6	1 52	23 14	0 20	3 0	1 19	6 15	2 34	7 8	0 47	13 37	1 49	6 3	13 44	23 26	23 25	21 44	13 44	2 8
T 30	23 10	23 46	1 1	23 19	0s 2	16 42	1 50	23 19	0 21	3 2	1 19	6 15	2 33	7 8	0 47	13 37	1 49	6 3	13 44	23 26	23 25	21 43	13 43	2 8
F 31	23s 6	23s 4	0n23	23s30	0s 9	16s17	1s48	23s23	0s21	3n 5	1s18	6n16	2s33	7n 8	0n47	13n37	1s49	6n 3	13s43	23s26	23s25	21n42	13n43	2s 8

Julian Day Number = 2408050.5, Delta T = -3.57 sec
Ecliptic obliquity = 23°27'17, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°04'38, Lahiri = 22°11'39