



Astrodienst Ephemeris Tables for the year 1838

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 EPHEMERIS for the year 1838

geocentric

JANUARY 1838

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 40 48	10°31'03"	10°18'18"	29°30'10"	27°28'12"	22°38'28"	18°47'47"	25°11'20"	5°31'31"	6°53'53"	14°53'53"	18°R31	18°V18	1°45'45"	18°R15	M 1
T 2	6 44 44	11°13'13"	24°37'37"	0°22'22"	28°9'9"	23°14'14"	18°47'47"	25°26'26"	5°34'34"	6°55'55"	14°53'53"	18°V29	18°15'15"	1°52'52"	18°II11	T 2
W 3	6 48 41	12°14'23"	8°V39	1°29'29"	29°5'5"	24°1'1"	18°47'47"	25°32'32"	5°36'36"	6°58'58"	14°53'53"	18°28'28"	18°11'11"	1°58'58"	18°8'8"	W 3
T 4	6 52 37	13°15'33"	22°24'24"	2°31'31"	0°1'1"	24°48'48"	18°R47	25°37'37"	5°38'38"	7°0'0"	14°53'53"	18°28'28"	18°8'8"	2°5'5"	18°5'5"	T 4
F 5	6 56 34	14°16'42"	5°B53	3°27'27"	0°57'57"	25°35'35"	18°47'47"	25°43'43"	5°41'41"	7°2'2"	14°53'53"	18°27'27"	18°5'5"	2°12'12"	18°1'1"	F 5
S 6	7 0 30	15°17'51"	19°8'8"	4°17'17"	1°51'51"	26°22'22"	18°47'47"	25°48'48"	5°43'43"	7°4'4"	14°54'54"	18°24'24"	18°2'2"	2°18'18"	17°58'58"	S 6
S 7	7 4 27	16°18'59"	2°II11	4°58'58"	2°45'45"	27°9'9"	18°46'46"	25°54'54"	5°46'46"	7°6'6"	14°54'54"	18°19'19"	17°59'59"	2°25'25"	17°55'55"	S 7
M 8	7 8 24	17°20'07"	15°2'2"	5°31'31"	3°38'38"	27°56'56"	18°45'45"	25°59'59"	5°48'48"	7°8'8"	14°54'54"	18°10'10"	17°56'56"	2°32'32"	17°52'52"	M 8
T 9	7 12 20	18°21'15"	27°43'43"	5°54'54"	4°31'31"	28°43'43"	18°45'45"	26°4'4"	5°51'51"	7°10'10"	14°54'54"	17°59'59"	17°52'52"	2°38'38"	17°49'49"	T 9
W10	7 16 17	19°22'22"	10°B14	6°7'7"	5°23'23"	29°30'30"	18°43'43"	26°10'10"	5°53'53"	7°13'13"	14°54'54"	17°45'45"	17°49'49"	2°45'45"	17°46'46"	W10
T 11	7 20 13	20°23'29"	22°35'35"	6°R9	6°14'14"	0°17'17"	18°42'42"	26°15'15"	5°56'56"	7°15'15"	14°55'55"	17°30'30"	17°46'46"	2°52'52"	17°43'43"	T 11
F 12	7 24 10	21°24'36"	4°B46	5°59'59"	7°4'4"	1°4'4"	18°41'41"	26°20'20"	5°59'59"	7°17'17"	14°55'55"	17°16'16"	17°43'43"	2°59'59"	17°40'40"	F 12
S 13	7 28 6	22°25'42"	16°48'48"	5°38'38"	7°53'53"	1°51'51"	18°39'39"	26°25'25"	6°1'1"	7°19'19"	14°55'55"	17°3'3"	17°40'40"	3°5'5"	17°37'37"	S 13
S 14	7 32 3	23°26'47"	28°43'43"	5°4'4"	8°42'42"	2°39'39"	18°37'37"	26°30'30"	6°4'4"	7°21'21"	14°56'56"	16°52'52"	17°37'37"	3°12'12"	17°34'34"	S 14
M15	7 36 0	24°27'53"	10°B33	4°20'20"	9°29'29"	3°26'26"	18°35'35"	26°35'35"	6°7'7"	7°24'24"	14°56'56"	16°44'44"	17°33'33"	3°19'19"	17°31'31"	M15
T 16	7 39 56	25°28'58"	22°20'20"	3°26'26"	10°16'16"	4°13'13"	18°33'33"	26°39'39"	6°10'10"	7°26'26"	14°56'56"	16°39'39"	17°30'30"	3°25'25"	17°28'28"	T 16
W17	7 43 53	26°30'02"	4°B10	2°22'22"	11°1'1"	5°0'0"	18°30'30"	26°44'44"	6°12'12"	7°28'28"	14°57'57"	16°37'37"	17°27'27"	3°32'32"	17°26'26"	W17
T 18	7 47 49	27°31'06"	16°7'7"	1°12'12"	11°46'46"	5°47'47"	18°27'27"	26°49'49"	6°15'15"	7°30'30"	14°57'57"	16°D37	17°24'24"	3°39'39"	17°23'23"	T 18
F 19	7 51 46	28°32'10"	28°16'16"	29°35'35"	12°30'30"	6°35'35"	18°25'25"	26°53'53"	6°18'18"	7°33'33"	14°58'58"	16°R37	17°21'21"	3°45'45"	17°20'20"	F 19
S 20	7 55 42	29°33'14"	10°B43	28°41'41"	13°12'12"	7°22'22"	18°22'22"	26°58'58"	6°21'21"	7°35'35"	14°58'58"	16°36'36"	17°17'17"	3°52'52"	17°18'18"	S 20
S 21	7 59 39	0°34'17"	23°32'32"	27°24'24"	13°53'53"	8°9'9"	18°18'18"	27°2'2"	6°24'24"	7°37'37"	14°59'59"	16°34'34"	17°14'14"	3°59'59"	17°16'16"	S 21
M22	8 3 35	1°35'19"	6°B49	26°9'9"	14°34'34"	8°56'56"	18°15'15"	27°7'7"	6°27'27"	7°39'39"	14°59'59"	16°30'30"	17°11'11"	4°5'5"	17°13'13"	M22
T 23	8 7 32	2°36'22"	20°36'22"	24°58'58"	15°13'13"	9°44'44"	18°11'11"	27°11'11"	6°30'30"	7°42'42"	15°0'0"	16°23'23"	17°8'8"	4°12'12"	17°11'11"	T 23
W24	8 11 29	3°37'23"	4°B52	23°54'54"	15°50'50"	10°31'31"	18°8'8"	27°15'15"	6°33'33"	7°44'44"	15°0'0"	16°13'13"	17°5'5"	4°19'19"	17°9'9"	W24
T 25	8 15 25	4°38'24"	19°33'33"	22°56'56"	16°27'27"	11°19'19"	18°4'4"	27°19'19"	6°36'36"	7°46'46"	15°1'1"	16°2'2"	17°2'2"	4°25'25"	17°6'6"	T 25
F 26	8 19 22	5°39'24"	4°B34	22°7'7"	17°2'2"	12°6'6"	18°0'0"	27°23'23"	6°39'39"	7°49'49"	15°1'1"	15°51'51"	16°58'58"	4°32'32"	17°4'4"	F 26
S 27	8 23 18	6°40'23"	19°43'43"	21°26'26"	17°35'35"	12°53'53"	17°55'55"	27°27'27"	6°42'42"	7°51'51"	15°2'2"	15°41'41"	16°55'55"	4°39'39"	17°2'2"	S 27
S 28	8 27 15	7°41'21"	4°B51	20°55'55"	18°7'7"	13°41'41"	17°51'51"	27°31'31"	6°45'45"	7°53'53"	15°3'3"	15°33'33"	16°52'52"	4°45'45"	17°0'0"	S 28
M29	8 31 11	8°42'18"	19°48'48"	20°31'31"	18°38'38"	14°28'28"	17°46'46"	27°35'35"	6°48'48"	7°55'55"	15°3'3"	15°28'28"	16°49'49"	4°52'52"	16°58'58"	M29
T 30	8 35 8	9°43'14"	4°B26	20°17'17"	19°7'7"	15°15'15"	17°41'41"	27°39'39"	6°51'51"	7°58'58"	15°4'4"	15°25'25"	16°46'46"	4°59'59"	16°57'57"	T 30
W31	8 39 4	10°44'08"	18°V42	20°D11	19°B34	16°3'3"	17°B37	27°B42	6°B55	8°B0	15°V5	15°D25	16°V42	5°B6	16°II55	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	23s 4	10s36	3s 7	21s44	1s25	13s20	0s56	22s38	1s 3	5n35	1n14	17s 8	2n 2	10s11	0s45	18s30	0n 4
T 2	22 59	4 1	2 2	21 19	1 16	12 54	0 50	22 30	1 3	5 35	1 15	17 9	2 3	10 11	0 45	18 30	0 4
W 3	22 54	2n38	0 52	20 54	1 5	12 29	0 44	22 22	1 4	5 35	1 15	17 11	2 3	10 10	0 45	18 29	0 4
T 4	22 48	9 3	0n21	20 29	0 54	12 3	0 37	22 14	1 4	5 36	1 15	17 12	2 3	10 9	0 45	18 29	0 4
F 5	22 42	14 55	1 31	20 4	0 41	11 38	0 31	22 6	1 4	5 36	1 16	17 13	2 3	10 8	0 45	18 28	0 4
S 6	22 35	20 0	2 34	19 39	0 28	11 12	0 24	21 57	1 4	5 36	1 16	17 14	2 3	10 7	0 45	18 28	0 4
S 7	22 28	24 1	3 29	19 15	0 13	10 46	0 17	21 48	1 4	5 37	1 16	17 15	2 3	10 6	0 45	18 27	0 4
M 8	22 20	26 47	4 11	18 52	0n 3	10 20	0 10	21 39	1 4	5 37	1 16	17 16	2 3	10 5	0 45	18 26	0 4
T 9	22 12	28 8	4 41	18 30	0 19	9 54	0 3	21 29	1 4	5 38	1 17	17 17	2 3	10 4	0 45	18 26	0 4
W10	22 4	28 0	4 57	18 10	0 37	9 28	0n 5	21 20	1 4	5 39	1 17	17 19	2 3	10 3	0 45	18 25	0 4
T 11	21 55	26 28	4 58	17 52	0 55	9 3	0 13	21 10	1 5	5 39	1 17	17 20	2 4	10 2	0 45	18 25	0 4
F 12	21 45	23 43	4 46	17 36	1 14	8 37	0 20	20 59	1 5	5 40	1 17	17 21	2 4	10 1	0 45	18 24	0 4
S 13	21 36	19 57	4 21	17 23	1 32	8 11	0 29	20 49	1 5	5 41	1 18	17 22	2 4	10 0	0 45	18 24	0 4
S 14	21 25	15 26	3 44	17 13	1 51	7 45	0 37	20 38	1 5	5 42	1 18	17 23	2 4	9 59	0 45	18 23	0 4
M15	21 15	10 22	2 58	17 6	2 9	7 19	0 45	20 28	1 5	5 43	1 18	17 24	2 4	9 58	0 45	18 23	0 4
T 16	21 4	4 57	2 5	17 2	2 26	6 54	0 54	20 16	1 5	5 44	1 19	17 25	2 4	9 57	0 45	18 22	0 4
W17	20 52	0s39	1 5	17 1	2 42	6 28	1 3	20 5	1 5	5 46	1 19	17 26	2 4	9 56	0 44	18 22	0 4
T 18	20 41	6 18	0 3	17 2	2 56	6 3	1 12	19 54	1 5	5 47	1 19	17 27	2 5	9 55	0 44	18 21	0 4
F 19	20 28	11 49	1s 1	17 6	3 9	5 37	1 21	19 42	1 5	5 48	1 19	17 28	2 5	9 54	0 44	18 20	0 4
S 20	20 16	17 1	2 4	17 12	3 18	5 12	1 31	19 30	1 5	5 50	1 20	17 28	2 5	9 53	0 44	18 20	0 4
S 21	20 3	21 37	3 2	17 20	3 26	4 48	1 41	19 18	1 5	5 51	1 20	17 29	2 5	9 52	0 44	18 19	0 4
M22	19 50	25 18	3 53	17 29	3 31	4 23	1 51	19 5	1 5	5 53	1 20	17 30	2 5	9 50	0 44	18 19	0 4
T 23	19 36	27 39	4 32	17 40	3 33	3 59	2 1	18 53	1 5	5 54	1 20	17 31	2 5	9 49	0 44	18 18	0 4
W24	19 22	28 18	4 56	17 51	3 33	3 35	2 11	18 40	1 5	5 56	1 21	17 32	2 5	9 48	0 44	18 18	0 4
T 25	19 7	27 0	5 1	18 3	3 31	3 11	2 22	18 27	1 5	5 58	1 21	17 33	2 6	9 47	0 44	18 17	0 4
F 26	18 53	23 46	4 46	18 15	3 27	2 47	2 32	18 14	1 5	6 0	1 21	17 33	2 6	9 46	0 44	18 16	0 4
S 27	18 37	18 53	4 11	18 27	3 21	2 24	2 43	18 0	1 5	6 2	1 21	17 34	2 6	9 45	0 44	18 16	0 4
S 28	18 22	12 49	3 18	18 39	3 14	2 2	2 54	17 47	1 5	6 4	1 22	17 35	2 6	9 44	0 44	18 15	0 4
M29	18 6	6 4	2 12	18 50	3 5	1 39	3 6	17 33	1 5	6 6	1 22	17 35	2 6	9 42	0 44	18 15	0 4
T 30	17 50	0n53	0 58	19 2	2 56	1 17	3 17	17 19	1 5	6 8	1 22	17 36	2 6	9 41	0 44	18 14	0 4
W31	17s34	7n36	0n18	19s12	2n46	0s56	3n29	17s 5	1s 5	6n10	1n22	17s37	2n 6	9s40	0s44	18s13	0n 4

Julian Day Number = 2392375.5, Delta T = 7.77 sec

Ecliptic obliquity = 23°27'45", Nutation = - 0°00'05", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°28'41", Lahiri = 21°35'42"

ASTRODIENST EPHEMERIS for the year 1838

geocentric

FEBRUARY 1838

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 43 1	11 ⁴⁵ 01	28 ³⁵	20 ³¹ 12	19 ¹⁸ 59	16 ⁴⁵ 50	17 ⁰ R31	27 ¹¹ 46	6 ¹⁸ 58	8 ⁴⁵ 2	15 ¹⁰ 6	15 ¹⁰ 26	16 ¹⁰ 39	5 ¹¹ 12	16 ⁰ R53	T 1
F 2	8 46 58	12 ⁴⁵ 52	16° 4	20°21	20°23	17°38	17 ¹¹ 26	27°49	7° 1	8° 4	15° 6	15°R26	16°36	5°19	16 ⁰ II52	F 2
S 3	8 50 54	13°46'42	29°14	20°36	20°45	18°25	17°21	27°53	7° 4	8° 7	15° 7	15°24	16°33	5°26	16°50	S 3
S 4	8 54 51	14°47'31	12 ^{II} 6	20°58	21° 5	19°13	17°15	27°56	7° 7	8° 9	15° 8	15°21	16°30	5°32	16°49	S 4
M 5	8 58 47	15°48'18	24°43	21°26	21°22	20° 0	17°10	27°59	7°11	8°11	15° 9	15°15	16°27	5°39	16°47	M 5
T 6	9 2 44	16°49'04	7 ^{III} 9	21°59	21°38	20°48	17° 4	28° 2	7°14	8°14	15° 9	15° 6	16°23	5°46	16°46	T 6
W 7	9 6 40	17°49'48	19°24	22°36	21°52	21°35	16°58	28° 5	7°17	8°16	15°10	14°56	16°20	5°52	16°45	W 7
T 8	9 10 37	18°50'31	18 ^{II} 32	23°18	22° 3	22°22	16°52	28° 8	7°21	8°18	15°11	14°45	16°17	5°59	16°44	T 8
F 9	9 14 33	19°51'12	13°32	24° 4	22°12	23°10	16°46	28°11	7°24	8°20	15°12	14°34	16°14	6° 6	16°43	F 9
S 10	9 18 30	20°51'52	25°28	24°54	22°19	23°57	16°39	28°13	7°27	8°23	15°13	14°24	16°11	6°12	16°42	S 10
S 11	9 22 27	21°52'30	7 ^{III} 19	25°48	22°23	24°45	16°33	28°16	7°31	8°25	15°14	14°16	16° 8	6°19	16°41	S 11
M12	9 26 23	22°53'08	19° 7	26°44	22°R25	25°32	16°26	28°19	7°34	8°27	15°15	14°10	16° 4	6°26	16°40	M12
T 13	9 30 20	23°53'43	0 ^{III} 56	27°43	22°25	26°20	16°19	28°21	7°37	8°29	15°16	14° 6	16° 1	6°32	16°39	T 13
W14	9 34 16	24°54'18	12°48	28°45	22°22	27° 7	16°13	28°23	7°41	8°31	15°17	14°D 5	15°58	6°39	16°39	W14
T 15	9 38 13	25°54'51	24°46	29°50	22°16	27°55	16° 6	28°25	7°44	8°34	15°18	14° 6	15°55	6°46	16°38	T 15
F 16	9 42 9	26°55'23	6 ^{III} 55	0 ^{III} 56	22° 8	28°42	15°59	28°28	7°47	8°36	15°19	14° 7	15°52	6°52	16°38	F 16
S 17	9 46 6	27°55'54	19°20	2° 5	21°58	29°29	15°52	28°30	7°51	8°38	15°20	14° 8	15°48	6°59	16°37	S 17
S 18	9 50 2	28°56'23	2 ^{III} 5	3°16	21°45	0 ^{III} 17	15°45	28°32	7°54	8°40	15°21	14°R 9	15°45	7° 6	16°37	S 18
M19	9 53 59	29°56'51	15°15	4°29	21°29	1° 4	15°37	28°33	7°58	8°42	15°22	14° 7	15°42	7°12	16°37	M19
T 20	9 57 56	0 ^{III} 57'18	28°53	5°43	21°12	1°52	15°30	28°35	8° 1	8°44	15°23	14° 4	15°39	7°19	16°36	T 20
W21	10 1 52	1°57'44	13 ^{III} 0	6°59	20°51	2°39	15°23	28°37	8° 4	8°47	15°24	14° 0	15°36	7°26	16°36	W21
T 22	10 5 49	2°58'08	27°35	8°17	20°29	3°27	15°15	28°38	8° 8	8°49	15°25	13°54	15°33	7°32	16°D36	T 22
F 23	10 9 45	3°58'30	12 ^{III} 33	9°36	20° 4	4°14	15° 8	28°40	8°11	8°51	15°26	13°47	15°29	7°39	16°36	F 23
S 24	10 13 42	4°58'51	27°45	10°57	19°37	5° 1	15° 0	28°41	8°15	8°53	15°27	13°41	15°26	7°46	16°36	S 24
S 25	10 17 38	5°59'10	13 ^{III} 2	12°19	19° 8	5°49	14°52	28°42	8°18	8°55	15°28	13°37	15°23	7°52	16°37	S 25
M26	10 21 35	6°59'28	28°13	13°42	18°38	6°36	14°45	28°43	8°22	8°57	15°30	13°34	15°20	7°59	16°37	M26
T 27	10 25 31	7°59'43	13 ^{III} 8	15° 7	18° 6	7°23	14°37	28°44	8°25	8°59	15°31	13°D33	15°17	8° 6	16°37	T 27
W28	10 29 28	8 ^{III} 59'57	27°Y41	16 ^{III} 33	17 ^{III} 32	8 ^{III} 11	14 ^{III} 29	28 ^{III} 45	8 ^{III} 29	9 ^{III} 1	15 ^{III} 32	13 ^{III} Y34	15 ^{III} Y14	8 ^{III} 12	16 ^{III} 38	W28

Day	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	17s17	13n47	1n30	19s23	2n35	0s35	3n41	16s50	1s 5	6n12	1n23	17s37	2n 7	9s39	0s44	18s13	0n 4	9s43	16s59	6n 5	6n33	12n47	17n 2	5s49	
F 2	17 0	19 9	2 36	19 32	2 24	0 15	3 53	16 36	1 5	6 14	1 23	17 38	2 7	9 38	0 44	18 12	0 4	9 43	16 59	6 5	6 32	12 44	17 2	5 48	
S 3	16 42	23 27	3 31	19 41	2 13	0n 5	4 5	16 21	1 5	6 17	1 23	17 39	2 7	9 36	0 44	18 12	0 4	9 42	16 59	6 4	6 31	12 41	17 2	5 48	
S 4	16 25	26 28	4 15	19 49	2 2	0 24	4 17	16 6	1 5	6 19	1 23	17 39	2 7	9 35	0 44	18 11	0 4	9 42	16 58	6 3	6 29	12 38	17 2	5 48	
M 5	16 7	28 6	4 45	19 56	1 50	0 42	4 29	15 51	1 5	6 21	1 24	17 40	2 7	9 34	0 44	18 11	0 4	9 41	16 58	6 1	6 28	12 35	17 3	5 47	
T 6	15 49	28 17	5 1	20 3	1 39	1 0	4 42	15 36	1 5	6 24	1 24	17 40	2 7	9 33	0 44	18 10	0 4	9 41	16 58	5 57	6 27	12 32	17 3	5 47	
W 7	15 30	27 4	5 3	20 8	1 27	1 16	4 54	15 21	1 5	6 26	1 24	17 41	2 8	9 32	0 44	18 9	0 4	9 40	16 58	5 53	6 26	12 28	17 3	5 47	
T 8	15 11	24 34	4 52	20 12	1 16	1 32	5 7	15 5	1 4	6 29	1 24	17 41	2 8	9 30	0 44	18 9	0 4	9 39	16 57	5 49	6 25	12 25	17 3	5 46	
F 9	14 52	21 2	4 27	20 15	1 5	1 48	5 19	14 49	1 4	6 32	1 24	17 42	2 8	9 29	0 44	18 8	0 4	9 39	16 57	5 45	6 23	12 22	17 3	5 46	
S 10	14 33	16 40	3 51	20 17	0 54	2 2	5 32	14 34	1 4	6 34	1 25	17 42	2 8	9 28	0 44	18 8	0 4	9 38	16 57	5 41	6 22	12 19	17 4	5 46	
S 11	14 14	11 41	3 4	20 18	0 43	2 15	5 45	14 18	1 4	6 37	1 25	17 42	2 8	9 27	0 44	18 7	0 4	9 38	16 56	5 38	6 21	12 16	17 4	5 46	
M12	13 54	6 18	2 10	20 18	0 32	2 28	5 57	14 1	1 4	6 40	1 25	17 43	2 9	9 25	0 44	18 7	0 4	9 37	16 56	5 35	6 20	12 13	17 4	5 45	
T 13	13 34	0 42	1 10	20 17	0 22	2 39	6 10	13 45	1 4	6 42	1 25	17 43	2 9	9 24	0 44	18 6	0 4	9 36	16 56	5 34	6 19	12 10	17 4	5 45	
W14	13 14	4s57	0 7	20 14	0 12	2 49	6 22	13 29	1 4	6 45	1 25	17 44	2 9	9 23	0 44	18 5	0 4	9 36	16 55	5 34	6 17	12 7	17 5	5 44	
T 15	12 54	10 29	0s57	20 10	0 2	2 58	6 34	13 12	1 4	6 48	1 25	17 44	2 9	9 21	0 44	18 5	0 4	9 35	16 55	5 34	6 16	12 4	17 5	5 44	
F 16	12 33	15 44	2 0	20 5	0s 7	3 6	6 46	12 56	1 3	6 51	1 26	17 44	2 9	9 20	0 44	18 4	0 4	9 34	16 55	5 34	6 15	12 0	17 5	5 44	
S 17	12 12	20 27	2 59	19 59	0 16	3 13	6 58	12 39	1 3	6 54	1 26	17 44	2 9	9 19	0 44	18 4	0 4	9 34	16 55	5 35	6 14	11 57	17 6	5 43	
S 18	11 51	24 22	3 50	19 51	0 25	3 18	7 9	12 22	1 3	6 57	1 26	17 45	2 10	9 18	0 44	18 3	0 4	9 33	16 54	5 35	6 12	11 54	17 6	5 43	
M19	11 30	27 9	4 31	19 43	0 34	3 22	7 21	12 5	1 3	7 0	1 26	17 45	2 10	9 16	0 44	18 3	0 4	9 33	16 54	5 35	6 11	11 51	17 6	5 43	
T 20	11 9	28 26	4 59	19 32	0 42	3 25	7 31	11 48	1 3	7 3	1 26	17 45	2 10	9 15	0 44	18 2	0 4	9 32	16 54	5 33	6 10	11 48	17 7	5 42	
W21	10 47	27 58	5 10	19 21	0 50	3 27	7 41	11 31	1 3	7 6	1 26	17 45	2 10	9 14	0 44	18 2	0 4	9 31	16 54	5 31	6 9	11 45	17 7	5 42	
T 22	10 26	25 35	5 1	19 8	0 58	3 27	7 51	11 13	1 2	7 9	1 26	17 45	2 10	9 13	0 44	18 1	0 4	9 31	16 53	5 29	6 7	11 42	17 7	5 42	
F 23	10 4	21 24	4 32	18 54	1 5	3 25	8 0	10 56	1 2	7 12	1 27	17 46	2 10	9 11	0 44	18 0	0 4	9 30	16 53	5 27	6 6	11 38	17 8	5 41	
S 24	9 42	15 45	3 43	18 39	1 12	3 23	8 9	10 38	1 2	7 15	1 27	17 46	2 11	9 10	0 44	18 0	0 4	9 29	16 53	5 24	6 5	11 35	17 8	5 41	
S 25	9 20	9 6	2 38	18 23	1 19	3 19	8 17	10 21	1 2	7 18	1 27	17 46	2 11	9 9	0 44	17 59	0 4	9 29	16 53	5 23	6 4	11 32	17 8	5 41	
M26	8 57	1 58	1 23	18 5	1 25	3 14	8 24	10 3	1 2	7 21	1 27	17 46	2 11	9 7	0 44	17 59	0 4	9 28	16 52	5 22	6 3	11 29	17 9	5 40	
T 27	8 35	5n 9	0 2	17 46	1 31	3 7	8 30	9 45	1 1	7 24	1 27	17 46	2 11	9 6	0 44	17 58	0 3	9 27	16 52	5 21	6 1	11 26	17 9	5 40	
W28	8s12	11n51	1n16	17s25	1s36	2n59	8n35	9s27	1s 1	7n27	1n27	17s46	2n11	9s 5	0s44	17s58	0n 3	9s27	16s52	5n21	6n 0	11n23	17n10	5s40	

Julian Day Number = 2392406.5, Delta T = 7.76 sec

Ecliptic obliquity = 23°27'46, Nutation = - 0°00'04, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°28'46, Lahiri = 21°35'46

ASTRODIENST EPHEMERIS for the year 1838

geocentric

MARCH 1838

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 33 25	10°08'	11°48'	18°00'	16°R57	8°H58	14°R21	28°M46	8°H32	9°≈ 3	15°V33	13°V35	15°V10	8°M19	16°H38	T 1
F 2	10 37 21	11° 0'18	25°28'	19°28'	16°H21	9°45'	14°M14	28°47'	8°35'	9° 5'	15°34'	13°37'	15° 7'	8°26'	16°39'	F 2
S 3	10 41 18	12° 0'25	8°H43	20°58'	15°44'	10°33'	14° 6'	28°48'	8°39'	9° 7'	15°35'	13°R38	15° 4'	8°32'	16°40'	S 3
S 4	10 45 14	13° 0'30	21°35'	22°28'	15° 7'	11°20'	13°58'	28°48'	8°42'	9° 9'	15°37'	13°37'	15° 1'	8°39'	16°41'	S 4
M 5	10 49 11	14° 0'33	4°D 9	24° 0'	14°29'	12° 7'	13°50'	28°48'	8°46'	9°11'	15°38'	13°36'	14°58'	8°46'	16°42'	M 5
T 6	10 53 7	15° 0'34	16°28'	25°33'	13°51'	12°54'	13°42'	28°49'	8°49'	9°13'	15°39'	13°33'	14°54'	8°52'	16°43'	T 6
W 7	10 57 4	16° 0'33	28°35'	27° 7'	13°14'	13°42'	13°34'	28°49'	8°53'	9°15'	15°40'	13°28'	14°51'	8°59'	16°44'	W 7
T 8	11 1 0	17° 0'30	10°H33	28°43'	12°37'	14°29'	13°27'	28°49'	8°56'	9°17'	15°42'	13°24'	14°48'	9° 6'	16°45'	T 8
F 9	11 4 57	18° 0'24	22°26'	0°H19	12° 1'	15°16'	13°19'	28°R49	8°59'	9°19'	15°43'	13°19'	14°45'	9°12'	16°46'	F 9
S 10	11 8 54	19° 0'17	4°M17	1°57'	11°25'	16° 3'	13°11'	28°49'	9° 3'	9°21'	15°44'	13°15'	14°42'	9°19'	16°47'	S 10
S 11	11 12 50	20° 0'07	16° 6'	3°36'	10°51'	16°50'	13° 3'	28°49'	9° 6'	9°23'	15°46'	13°12'	14°39'	9°26'	16°49'	S 11
M12	11 16 47	20°59'56	27°56'	5°15'	10°18'	17°37'	12°56'	28°49'	9°10'	9°24'	15°47'	13°10'	14°35'	9°33'	16°50'	M12
T 13	11 20 43	21°59'42	9°D49	6°57'	9°47'	18°24'	12°48'	28°48'	9°13'	9°26'	15°48'	13°D 9	14°32'	9°39'	16°52'	T 13
W14	11 24 40	22°59'27	21°48'	8°39'	9°18'	19°11'	12°40'	28°48'	9°16'	9°28'	15°49'	13° 9'	14°29'	9°46'	16°53'	W14
T 15	11 28 36	23°59'09	3°M54	10°22'	8°50'	19°58'	12°33'	28°47'	9°20'	9°30'	15°51'	13°10'	14°26'	9°53'	16°55'	T 15
F 16	11 32 33	24°58'50	16°11'	12° 7'	8°25'	20°45'	12°25'	28°46'	9°23'	9°32'	15°52'	13°11'	14°23'	9°59'	16°57'	F 16
S 17	11 36 29	25°58'30	28°41'	13°53'	8° 2'	21°32'	12°18'	28°46'	9°26'	9°33'	15°54'	13°13'	14°20'	10° 6'	16°58'	S 17
S 18	11 40 26	26°58'07	11°M28	15°40'	7°41'	22°19'	12°10'	28°45'	9°30'	9°35'	15°55'	13°14'	14°16'	10°13'	17° 0'	S 18
M19	11 44 22	27°57'43	24°36'	17°29'	7°22'	23° 6'	12° 3'	28°44'	9°33'	9°37'	15°56'	13°R15	14°13'	10°19'	17° 2'	M19
T 20	11 48 19	28°57'17	8°D 7	19°18'	7° 6'	23°53'	11°56'	28°43'	9°36'	9°38'	15°58'	13°14'	14°10'	10°26'	17° 4'	T 20
W21	11 52 16	29°56'50	22° 2'	21° 9'	6°53'	24°40'	11°49'	28°41'	9°40'	9°40'	15°59'	13°14'	14° 7'	10°33'	17° 6'	W21
T 22	11 56 12	0°V56'20	6°≈21	23° 2'	6°41'	25°27'	11°42'	28°40'	9°43'	9°42'	16° 0'	13°12'	14° 4'	10°39'	17° 9'	T 22
F 23	12 0 9	1°55'49	21° 3'	24°55'	6°33'	26°14'	11°35'	28°39'	9°46'	9°43'	16° 2'	13°11'	14° 0'	10°46'	17°11'	F 23
S 24	12 4 5	2°55'16	6°H 0	26°50'	6°27'	27° 1'	11°28'	28°37'	9°49'	9°45'	16° 3'	13°10'	13°57'	10°53'	17°13'	S 24
S 25	12 8 2	3°54'41	21° 7'	28°46'	6°23'	27°47'	11°21'	28°36'	9°53'	9°46'	16° 5'	13° 9'	13°54'	10°59'	17°16'	S 25
M26	12 11 58	4°54'04	6°V14	0°V43	6°D21	28°34'	11°14'	28°34'	9°56'	9°48'	16° 6'	13°D 8	13°51'	11° 6'	17°18'	M26
T 27	12 15 55	5°53'25	21°11'	2°42'	6°22'	29°21'	11° 8'	28°32'	9°59'	9°49'	16° 7'	13° 8'	13°48'	11°13'	17°21'	T 27
W28	12 19 51	6°52'44	5°B51	4°41'	6°26'	0°V 7	11° 1'	28°30'	10° 2'	9°51'	16° 9'	13° 9'	13°45'	11°19'	17°23'	W28
T 29	12 23 48	7°52'00	20° 8'	6°42'	6°31'	0°54'	10°55'	28°28'	10° 5'	9°52'	16°10'	13° 9'	13°41'	11°26'	17°26'	T 29
F 30	12 27 45	8°51'15	3°H59	8°44'	6°39'	1°41'	10°48'	28°26'	10° 9'	9°53'	16°12'	13°10'	13°38'	11°33'	17°29'	F 30
S 31	12 31 41	9°V50'27	17°H23	10°V46	6°H49	2°V27	10°M42	28°M24	10°H12	9°≈55	16°V13	13°V10	13°V35	11°M39	17°H32	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	7s50	17n44	2n28	17s 4	1s41	2n50	8n40	9s 9	1s 1	7n30	1n27	17s46	2n12	9s 3	0s44	17s57	0n 3
F 2	7 27	22 32	3 29	16 41	1 46	2 39	8 44	8 51	1 1	7 33	1 27	17 46	2 12	9 2	0 44	17 57	0 3
S 3	7 4	26 0	4 17	16 16	1 51	2 28	8 46	8 33	1 0	7 36	1 27	17 46	2 12	9 1	0 44	17 56	0 3
S 4	6 41	28 1	4 50	15 51	1 55	2 15	8 48	8 15	1 0	7 39	1 27	17 46	2 12	9 0	0 44	17 56	0 3
M 5	6 18	28 33	5 9	15 24	1 58	2 1	8 49	7 57	1 0	7 43	1 27	17 46	2 12	8 58	0 44	17 55	0 3
T 6	5 55	27 37	5 13	14 56	2 2	1 47	8 49	7 38	0 59	7 46	1 27	17 46	2 12	8 57	0 44	17 55	0 3
W 7	5 31	25 24	5 2	14 26	2 5	1 32	8 47	7 20	0 59	7 49	1 28	17 45	2 13	8 56	0 44	17 54	0 3
T 8	5 8	22 5	4 39	13 55	2 7	1 16	8 45	7 1	0 59	7 52	1 28	17 45	2 13	8 54	0 44	17 54	0 3
F 9	4 45	17 53	4 3	13 23	2 9	0 59	8 42	6 43	0 59	7 55	1 28	17 45	2 13	8 53	0 44	17 53	0 3
S 10	4 21	13 1	3 18	12 50	2 11	0 42	8 38	6 24	0 58	7 58	1 28	17 45	2 13	8 52	0 44	17 53	0 3
S 11	3 58	7 42	2 24	12 15	2 12	0 25	8 33	6 6	0 58	8 1	1 28	17 45	2 13	8 51	0 44	17 52	0 3
M12	3 34	2 5	1 23	11 39	2 13	0 7	8 27	5 47	0 58	8 4	1 28	17 44	2 14	8 49	0 44	17 52	0 3
T 13	3 11	3s37	0 18	11 2	2 14	0s10	8 20	5 28	0 57	8 7	1 28	17 44	2 14	8 48	0 44	17 51	0 3
W14	2 47	9 14	0s48	10 24	2 14	0 28	8 13	5 9	0 57	8 10	1 28	17 44	2 14	8 47	0 44	17 51	0 3
T 15	2 23	14 35	1 52	9 44	2 13	0 46	8 5	4 51	0 57	8 13	1 28	17 44	2 14	8 46	0 44	17 50	0 3
F 16	2 0	19 27	2 33	9 3	2 12	1 3	7 56	4 32	0 56	8 15	1 28	17 43	2 14	8 44	0 44	17 50	0 3
S 17	1 36	23 33	3 46	8 21	2 11	1 20	7 47	4 13	0 56	8 18	1 28	17 43	2 14	8 43	0 44	17 49	0 3
S 18	1 12	26 38	4 29	7 38	2 9	1 37	7 37	3 54	0 56	8 21	1 28	17 43	2 15	8 42	0 44	17 49	0 3
M19	0 49	28 21	5 0	6 53	2 6	1 54	7 27	3 35	0 55	8 24	1 28	17 42	2 15	8 41	0 44	17 49	0 3
T 20	0 25	28 28	5 15	6 8	2 4	2 9	7 16	3 16	0 55	8 27	1 28	17 42	2 15	8 39	0 44	17 48	0 3
W21	0 1	26 48	5 13	5 21	2 0	2 25	7 5	2 57	0 55	8 29	1 28	17 41	2 15	8 38	0 44	17 48	0 3
T 22	0n22	23 24	4 51	4 33	1 56	2 39	6 54	2 38	0 54	8 32	1 28	17 41	2 15	8 37	0 44	17 47	0 3
F 23	0 46	18 27	4 10	3 44	1 52	2 53	6 42	2 19	0 54	8 35	1 27	17 41	2 15	8 36	0 44	17 47	0 3
S 24	1 10	12 17	3 12	2 54	1 47	3 7	6 30	2 0	0 53	8 37	1 27	17 40	2 16	8 34	0 44	17 46	0 3
S 25	1 33	5 21	1 59	2 2	1 41	3 19	6 18	1 41	0 53	8 40	1 27	17 40	2 16	8 33	0 44	17 46	0 3
M26	1 57	1n53	0 38	1 10	1 35	3 31	6 6	1 23	0 53	8 42	1 27	17 39	2 16	8 32	0 44	17 46	0 3
T 27	2 21	8 58	0n45	0 17	1 29	3 42	5 54	1 4	0 52	8 45	1 27	17 39	2 16	8 31	0 44	17 45	0 3
W28	2 44	15 25	2 3	0n37	1 22	3 52	5 42	0 45	0 52	8 47	1 27	17 38	2 16	8 30	0 44	17 45	0 3
T 29	3 7	20 52	3 11	1 31	1 14	4 1	5 29	0 26	0 51	8 49	1 27	17 37	2 16	8 29	0 44	17 45	0 3
F 30	3 31	25 0	4 6	2 27	1 6	4 10	5 17	0 7	0 51	8 52	1 27	17 37	2 16	8 27	0 44	17 44	0 3
S 31	3n54	27n37	4n46	3n23	0s58	4s18	5n 5	0n12	0s51	8n54	1n27	17s36	2n17	8s26	0s44	17s44	0n 3

Julian Day Number = 2392434.5, Delta T = 7.75 sec
 Ecliptic obliquity = 23°27'46", Nutation = - 0°00'04", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°28'50", Lahiri = 21°35'50"

ASTRODIENST EPHEMERIS for the year 1838

geocentric

APRIL 1838

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 35 38	10°49'37"	0°22'	12°50'	7°16'	3°14'	10°R36	28°R22	10°15'	9°56'	16°14'	13°10'	13°32'	11°46'	17°35'	S 1
M 2	12 39 34	11°48'45"	12°59'	14°54'	7°16'	4°0'	10°13'	28°12'	10°18'	9°57'	16°16'	13°R10	13°29'	11°53'	17°38'	M 2
T 3	12 43 31	12°47'50"	25°18'	16°58'	7°32'	4°47'	10°25'	28°17'	10°21'	9°59'	16°17'	13°D10	13°25'	11°59'	17°41'	T 3
W 4	12 47 27	13°46'53"	7°23'	19°2'	7°50'	5°33'	10°19'	28°15'	10°24'	10°0'	16°19'	13°10'	13°22'	12°6'	17°44'	W 4
T 5	12 51 24	14°45'53"	19°18'	21°7'	8°10'	6°20'	10°14'	28°12'	10°27'	10°1'	16°20'	13°10'	13°19'	12°13'	17°47'	T 5
F 6	12 55 20	15°44'52"	1°18'	23°11'	8°32'	7°6'	10°9'	28°10'	10°30'	10°2'	16°22'	13°11'	13°16'	12°19'	17°50'	F 6
S 7	12 59 17	16°43'48"	12°56'	25°15'	8°56'	7°52'	10°3'	28°7'	10°33'	10°4'	16°23'	13°11'	13°13'	12°26'	17°53'	S 7
S 8	13 3 14	17°42'42"	24°46'	27°17'	9°21'	8°38'	9°58'	28°4'	10°36'	10°5'	16°24'	13°11'	13°10'	12°33'	17°57'	S 8
M 9	13 7 10	18°41'33"	6°41'	29°19'	9°48'	9°25'	9°54'	28°1'	10°39'	10°6'	16°26'	13°12'	13°6'	12°39'	18°0'	M 9
T 10	13 11 7	19°40'23"	18°42'	1°18'	10°17'	10°11'	9°49'	27°58'	10°41'	10°7'	16°27'	13°R12	13°3'	12°46'	18°4'	T 10
W 11	13 15 3	20°39'11"	0°15'	3°16'	10°47'	10°57'	9°45'	27°55'	10°44'	10°8'	16°29'	13°11'	13°0'	12°53'	18°7'	W 11
T 12	13 19 0	21°37'56"	13°12'	5°12'	11°19'	11°43'	9°40'	27°52'	10°47'	10°9'	16°30'	13°11'	12°57'	12°59'	18°11'	T 12
F 13	13 22 56	22°36'40"	25°44'	7°5'	11°52'	12°29'	9°36'	27°49'	10°50'	10°10'	16°32'	13°9'	12°54'	13°6'	18°14'	F 13
S 14	13 26 53	23°35'22"	8°29'	8°54'	12°26'	13°15'	9°32'	27°46'	10°53'	10°11'	16°33'	13°8'	12°51'	13°13'	18°18'	S 14
S 15	13 30 49	24°34'03"	21°28'	10°41'	13°2'	14°1'	9°28'	27°42'	10°55'	10°12'	16°34'	13°7'	12°47'	13°19'	18°22'	S 15
M 16	13 34 46	25°32'42"	4°34'	12°24'	13°39'	14°47'	9°24'	27°39'	10°58'	10°13'	16°36'	13°5'	12°44'	13°26'	18°26'	M 16
T 17	13 38 43	26°31'19"	18°16'	14°3'	14°17'	15°33'	9°21'	27°36'	11°1'	10°14'	16°37'	13°5'	12°41'	13°33'	18°30'	T 17
W 18	13 42 39	27°29'54"	2°22'	15°39'	14°56'	16°19'	9°18'	27°32'	11°3'	10°14'	16°39'	13°D 5	12°38'	13°39'	18°33'	W 18
T 19	13 46 36	28°28'28"	16°11'	17°10'	15°37'	17°4'	9°14'	27°29'	11°6'	10°15'	16°40'	13°5'	12°35'	13°46'	18°37'	T 19
F 20	13 50 32	29°27'00"	0°33'	18°36'	16°18'	17°50'	9°11'	27°25'	11°8'	10°16'	16°41'	13°6'	12°31'	13°52'	18°41'	F 20
S 21	13 54 29	0°25'30"	15°9'	19°58'	17°1'	18°36'	9°9'	27°21'	11°11'	10°17'	16°43'	13°7'	12°28'	13°59'	18°46'	S 21
S 22	13 58 25	1°23'59"	29°53'	21°16'	17°44'	19°22'	9°6'	27°17'	11°14'	10°18'	16°44'	13°8'	12°25'	14°6'	18°50'	S 22
M 23	14 2 22	2°22'26"	14°19'	22°28'	18°28'	20°7'	9°4'	27°14'	11°16'	10°18'	16°46'	13°R 9	12°22'	14°12'	18°54'	M 23
T 24	14 6 18	3°20'51"	29°22'	23°36'	19°14'	20°53'	9°1'	27°10'	11°18'	10°19'	16°47'	13°8'	12°19'	14°19'	18°58'	T 24
W 25	14 10 15	4°19'15"	13°54'	24°38'	20°0'	21°38'	8°59'	27°6'	11°21'	10°19'	16°48'	13°6'	12°16'	14°26'	19°2'	W 25
T 26	14 14 12	5°17'37"	28°8'	25°36'	20°47'	22°24'	8°57'	27°2'	11°23'	10°20'	16°50'	13°4'	12°12'	14°32'	19°7'	T 26
F 27	14 18 8	6°15'56"	12°11'	26°28'	21°35'	23°9'	8°56'	26°58'	11°25'	10°21'	16°51'	13°1'	12°9'	14°39'	19°11'	F 27
S 28	14 22 5	7°14'14"	25°29'	27°16'	22°23'	23°55'	8°54'	26°54'	11°28'	10°21'	16°52'	12°57'	12°6'	14°46'	19°16'	S 28
S 29	14 26 1	8°12'30"	8°33'	27°57'	23°12'	24°40'	8°53'	26°50'	11°30'	10°22'	16°54'	12°54'	12°3'	14°52'	19°20'	S 29
M 30	14 29 58	9°10'44"	21°14'	28°34'	24°12'	25°12'	8°52'	26°46'	11°32'	10°22'	16°55'	12°52'	12°0'	14°59'	19°24'	M 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	4n17	28n37	5n10	4n19	0s49	4s25	4n52	0n31	0s50	8n56	1n27	17s36	2n17	8s25	0s44	17s43	0n3
M 2	4 41	28 6	5 18	5 16	0 39	4 31	4 40	0 50	0 50	8 58	1 27	17 35	2 17	8 24	0 44	17 43	0 3
T 3	5 4	26 11	5 11	6 13	0 29	4 36	4 28	1 9	0 49	9 0	1 27	17 34	2 17	8 23	0 44	17 43	0 3
W 4	5 27	23 7	4 50	7 10	0 19	4 40	4 16	1 28	0 49	9 2	1 26	17 34	2 17	8 22	0 44	17 42	0 3
T 5	5 49	19 7	4 17	8 7	0 9	4 44	4 5	1 46	0 48	9 4	1 26	17 33	2 17	8 21	0 44	17 42	0 3
F 6	6 12	14 24	3 33	9 3	0n 2	4 47	3 53	2 5	0 48	9 6	1 26	17 32	2 17	8 19	0 44	17 42	0 3
S 7	6 35	9 10	2 40	9 59	0 13	4 48	3 41	2 24	0 48	9 8	1 26	17 31	2 18	8 18	0 44	17 42	0 3
S 8	6 57	3 37	1 41	10 54	0 24	4 50	3 30	2 42	0 47	9 10	1 26	17 31	2 18	8 17	0 44	17 41	0 3
M 9	7 20	2s 6	0 36	11 48	0 36	4 50	3 19	3 1	0 47	9 11	1 26	17 30	2 18	8 16	0 44	17 41	0 3
T 10	7 42	7 48	0s31	12 40	0 47	4 49	3 8	3 20	0 46	9 13	1 26	17 29	2 18	8 15	0 44	17 41	0 3
W 11	8 4	13 17	1 36	13 32	0 58	4 48	2 57	3 38	0 46	9 15	1 26	17 28	2 18	8 14	0 45	17 40	0 3
T 12	8 26	18 20	2 39	14 21	1 9	4 46	2 46	3 57	0 45	9 16	1 25	17 28	2 18	8 13	0 45	17 40	0 3
F 13	8 48	22 41	3 35	15 9	1 20	4 43	2 36	4 15	0 45	9 18	1 25	17 27	2 18	8 12	0 45	17 40	0 3
S 14	9 10	26 2	4 21	15 55	1 30	4 40	2 25	4 33	0 44	9 19	1 25	17 26	2 18	8 11	0 45	17 40	0 3
S 15	9 32	28 5	4 54	16 38	1 40	4 36	2 15	4 52	0 44	9 20	1 25	17 25	2 18	8 10	0 45	17 39	0 3
M 16	9 53	28 36	5 13	17 19	1 50	4 31	2 5	5 10	0 43	9 22	1 25	17 24	2 18	8 9	0 45	17 39	0 3
T 17	10 14	27 25	5 15	17 58	1 59	4 25	1 55	5 28	0 43	9 23	1 25	17 24	2 19	8 8	0 45	17 39	0 3
W 18	10 36	24 34	4 59	18 34	2 7	4 19	1 46	5 46	0 42	9 24	1 24	17 23	2 19	8 7	0 45	17 39	0 3
T 19	10 57	20 13	4 25	19 8	2 15	4 12	1 37	6 4	0 42	9 25	1 24	17 22	2 19	8 6	0 45	17 38	0 3
F 20	11 17	14 37	3 34	19 39	2 22	4 4	1 27	6 22	0 41	9 26	1 24	17 21	2 19	8 5	0 45	17 38	0 3
S 21	11 38	8 9	2 29	20 8	2 28	3 56	1 18	6 40	0 41	9 27	1 24	17 20	2 19	8 4	0 45	17 38	0 3
S 22	11 58	1 10	1 13	20 33	2 33	3 47	1 10	6 58	0 40	9 28	1 24	17 19	2 19	8 3	0 45	17 38	0 3
M 23	12 19	5n55	0n 8	20 57	2 38	3 38	1 1	7 16	0 40	9 28	1 24	17 18	2 19	8 2	0 45	17 38	0 3
T 24	12 39	12 38	1 28	21 17	2 41	3 28	0 53	7 33	0 39	9 29	1 23	17 17	2 19	8 1	0 45	17 38	0 3
W 25	12 58	18 36	2 42	21 35	2 44	3 17	0 45	7 51	0 38	9 30	1 23	17 16	2 19	8 0	0 45	17 37	0 3
T 26	13 18	23 23	3 43	21 51	2 45	3 6	0 37	8 8	0 38	9 30	1 23	17 15	2 19	8 0	0 45	17 37	0 3
F 27	13 37	26 42	4 30	22 4	2 45	2 54	0 29	8 26	0 37	9 31	1 23	17 14	2 19	7 59	0 45	17 37	0 3
S 28	13 56	28 23	5 0	22 14	2 45	2 42	0 21	8 43	0 37	9 31	1 23	17 13	2 19	7 58	0 45	17 37	0 3
S 29	14 15	28 24	5 13	22 22	2 43	2 29	0 14	9 0	0 36	9 31	1 23	17 12	2 19	7 57	0 45	17 37	0 3
M 30	14n34	26n54	5n11	22n28	2n40	2s16	0n 6	9n17	0s36	9n32	1n22	17s11	2n19	7s56	0s45	17s37	0n 3

Julian Day Number = 2392465.5, Delta T = 7.74 sec

Ecliptic obliquity = 23°27'46", Nutation = - 0°00'04", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°28'54", Lahiri = 21°35'54"

ASTRODIENST EPHEMERIS for the year 1838
geocentric

MAY 1838

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 33 54	10♌ 8°56	3♈35	29♌ 5	24♋53	26♌11	8°R51	26°R41	11♋34	10♌22	16♌56	12°R50	11♌57	15♌6	19♌29	T 1
W 2	14 37 51	11° 7'06	15°41	29°31	25°44	26°56	8♌50	26♌37	11°37	10°23	16°58	12°D50	11°53	15°12	19°34	W 2
T 3	14 41 47	12° 5'13	27°37	29°51	26°36	27°41	8°49	26°33	11°39	10°23	16°59	12°Y51	11°50	15°19	19°38	T 3
F 4	14 45 44	13° 3'19	9♌27	0♌ 6	27°29	28°26	8°49	26°29	11°41	10°24	17° 0	12°53	11°47	15°26	19°43	F 4
S 5	14 49 41	14° 1'23	21°15	0°16	28°22	29°11	8°48	26°24	11°43	10°24	17° 2	12°55	11°44	15°32	19°48	S 5
S 6	14 53 37	14°59'25	3♈ 8	0°R21	29°16	29°56	8°D48	26°20	11°45	10°24	17° 3	12°56	11°41	15°39	19°52	S 6
M 7	14 57 34	15°57'25	15° 7	0°20	0°Y10	0♌41	8°48	26°16	11°47	10°24	17° 4	12°R56	11°37	15°46	19°57	M 7
T 8	15 1 30	16°55'23	27°18	0°15	1° 5	1°26	8°49	26°11	11°48	10°24	17° 6	12°55	11°34	15°52	20° 2	T 8
W 9	15 5 27	17°53'20	9♌41	0° 4	2° 0	2°11	8°49	26° 7	11°50	10°25	17° 7	12°53	11°31	15°59	20° 7	W 9
T 10	15 9 23	18°51'15	22°18	29♌49	2°56	2°55	8°50	26° 3	11°52	10°25	17° 8	12°48	11°28	16° 6	20°12	T 10
F 11	15 13 20	19°49'09	5♌10	29°31	3°52	3°40	8°51	25°58	11°54	10°25	17° 9	12°43	11°25	16°12	20°17	F 11
S 12	15 17 16	20°47'01	18°17	29° 8	4°49	4°25	8°52	25°54	11°56	10°25	17°11	12°37	11°22	16°19	20°22	S 12
S 13	15 21 13	21°44'52	1♌38	28°42	5°46	5° 9	8°53	25°49	11°57	10°R25	17°12	12°30	11°18	16°26	20°27	S 13
M14	15 25 10	22°42'42	15°11	28°13	6°43	5°54	8°54	25°45	11°59	10°25	17°13	12°25	11°15	16°32	20°32	M14
T 15	15 29 6	23°40'31	28°55	27°42	7°41	6°38	8°56	25°40	12° 1	10°25	17°14	12°21	11°12	16°39	20°37	T 15
W16	15 33 3	24°38'18	12♌49	27° 9	8°40	7°23	8°58	25°36	12° 2	10°25	17°15	12°19	11° 9	16°46	20°42	W16
T 17	15 36 59	25°36'04	26°51	26°35	9°39	8° 7	9° 0	25°31	12° 4	10°25	17°17	12°D18	11° 6	16°52	20°47	T 17
F 18	15 40 56	26°33'49	11♌ 2	26° 0	10°38	8°52	9° 2	25°27	12° 5	10°25	17°18	12°19	11° 3	16°59	20°52	F 18
S 19	15 44 52	27°31'33	25°18	25°25	11°37	9°36	9° 4	25°22	12° 7	10°24	17°19	12°20	10°59	17° 6	20°57	S 19
S 20	15 48 49	28°29'16	9♌38	24°51	12°37	10°20	9° 6	25°18	12° 8	10°24	17°20	12°R21	10°56	17°12	21° 2	S 20
M21	15 52 45	29°26'57	23°59	24°18	13°37	11° 5	9° 9	25°13	12° 9	10°24	17°21	12°20	10°53	17°19	21° 8	M21
T 22	15 56 42	0♌24'38	8♌17	23°47	14°38	11°49	9°12	25° 9	12°10	10°24	17°22	12°18	10°50	17°26	21°13	T 22
W23	16 0 39	1°22'18	22°28	23°18	15°39	12°33	9°15	25° 4	12°12	10°23	17°23	12°13	10°47	17°32	21°18	W23
T 24	16 4 35	2°19'56	6♌26	22°52	16°40	13°17	9°18	25° 0	12°13	10°23	17°24	12° 6	10°43	17°39	21°23	T 24
F 25	16 8 32	3°17'34	20° 8	22°29	17°41	14° 1	9°21	24°56	12°14	10°23	17°25	11°58	10°40	17°46	21°29	F 25
S 26	16 12 28	4°15'10	3♈30	22°10	18°43	14°45	9°25	24°51	12°15	10°22	17°26	11°49	10°37	17°52	21°34	S 26
S 27	16 16 25	5°12'44	16°31	21°54	19°45	15°29	9°28	24°47	12°16	10°22	17°28	11°41	10°34	17°59	21°39	S 27
M28	16 20 21	6°10'18	29°12	21°42	20°47	16°12	9°32	24°43	12°17	10°21	17°29	11°34	10°31	18° 6	21°45	M28
T 29	16 24 18	7° 7'50	11♌34	21°35	21°49	16°56	9°36	24°38	12°18	10°21	17°30	11°28	10°28	18°12	21°50	T 29
W30	16 28 15	8° 5'21	23°40	21°D31	22°52	17°40	9°40	24°34	12°19	10°20	17°31	11°25	10°24	18°19	21°56	W30
T 31	16 32 11	9♌ 2'50	5♌36	21♌33	23°Y55	18♌24	9♌44	24♌30	12♌20	10♌20	17°Y31	11°D24	10°Y21	18♌26	22♌ 1	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	14n53	24n 8	4n54	22n30	2n36	2s 3	0s 1	9n34	0s35	9n32	1n22	17s10	2n19	7s55	0s45	17s37
W 2	15 11	20 21	4 24	22 31	2 31	1 49	0 7	9 51	0 35	9 32	1 22	17 9	2 19	7 55	0 45	17 37
T 3	15 29	15 48	3 43	22 29	2 24	1 34	0 14	10 8	0 34	9 32	1 22	17 8	2 19	7 54	0 45	17 36
F 4	15 46	10 43	2 53	22 25	2 17	1 19	0 21	10 24	0 33	9 32	1 22	17 7	2 19	7 53	0 45	17 36
S 5	16 4	5 15	1 56	22 19	2 8	1 4	0 27	10 41	0 33	9 32	1 21	17 6	2 19	7 52	0 45	17 36
S 6	16 21	0s26	0 53	22 10	1 58	0 48	0 33	10 57	0 32	9 32	1 21	17 5	2 19	7 52	0 45	17 36
M 7	16 38	6 9	0s12	21 59	1 47	0 32	0 39	11 14	0 32	9 32	1 21	17 4	2 19	7 51	0 45	17 36
T 8	16 54	11 44	1 18	21 46	1 35	0 15	0 45	11 30	0 31	9 31	1 21	17 3	2 19	7 50	0 45	17 36
W 9	17 11	16 57	2 21	21 31	1 22	0n 2	0 50	11 46	0 31	9 31	1 21	17 2	2 19	7 50	0 45	17 36
T 10	17 27	21 33	3 18	21 14	1 7	0 19	0 56	12 2	0 30	9 31	1 20	17 1	2 19	7 49	0 45	17 36
F 11	17 43	25 13	4 6	20 55	0 52	0 36	1 1	12 18	0 29	9 30	1 20	17 0	2 19	7 48	0 45	17 36
S 12	17 58	27 38	4 43	20 35	0 37	0 54	1 6	12 33	0 29	9 29	1 20	16 59	2 19	7 48	0 45	17 36
S 13	18 13	28 32	5 4	20 13	0 20	1 12	1 11	12 49	0 28	9 29	1 20	16 58	2 19	7 47	0 45	17 36
M14	18 28	27 43	5 10	19 50	0 3	1 31	1 16	13 4	0 28	9 28	1 20	16 57	2 19	7 46	0 46	17 36
T 15	18 43	25 14	4 57	19 26	0s14	1 49	1 20	13 19	0 27	9 27	1 19	16 56	2 19	7 46	0 46	17 36
W16	18 57	21 15	4 27	19 2	0 31	2 8	1 25	13 34	0 26	9 26	1 19	16 55	2 19	7 45	0 46	17 36
T 17	19 11	16 2	3 41	18 37	0 49	2 28	1 29	13 49	0 26	9 26	1 19	16 54	2 19	7 45	0 46	17 36
F 18	19 24	9 55	2 41	18 12	1 6	2 47	1 33	14 4	0 25	9 25	1 19	16 53	2 19	7 44	0 46	17 36
S 19	19 38	3 16	1 31	17 47	1 24	3 7	1 37	14 19	0 24	9 24	1 19	16 52	2 19	7 44	0 46	17 36
S 20	19 51	3n36	0 15	17 23	1 40	3 27	1 41	14 33	0 24	9 22	1 18	16 51	2 19	7 43	0 46	17 36
M21	20 3	10 17	1n 3	16 59	1 57	3 47	1 44	14 48	0 23	9 21	1 18	16 50	2 19	7 43	0 46	17 36
T 22	20 15	16 25	2 15	16 36	2 12	4 7	1 48	15 2	0 23	9 20	1 18	16 49	2 19	7 42	0 46	17 37
W23	20 27	21 37	3 19	16 15	2 27	4 27	1 51	15 16	0 22	9 19	1 18	16 48	2 19	7 42	0 46	17 37
T 24	20 39	25 30	4 10	15 55	2 40	4 48	1 54	15 30	0 21	9 17	1 18	16 47	2 19	7 42	0 46	17 37
F 25	20 50	27 50	4 45	15 37	2 53	5 9	1 57	15 44	0 21	9 16	1 17	16 46	2 19	7 41	0 46	17 37
S 26	21 1	28 28	5 3	15 21	3 5	5 29	2 0	15 57	0 20	9 15	1 17	16 45	2 19	7 41	0 46	17 37
S 27	21 11	27 29	5 5	15 7	3 15	5 50	2 3	16 11	0 19	9 13	1 17	16 44	2 19	7 40	0 46	17 37
M28	21 22	25 6	4 52	14 55	3 25	6 11	2 5	16 24	0 19	9 11	1 17	16 43	2 18	7 40	0 46	17 37
T 29	21 31	21 35	4 25	14 45	3 33	6 32	2 8	16 37	0 18	9 10	1 17	16 43	2 18	7 40	0 46	17 37
W30	21 41	17 13	3 47	14 37	3 40	6 53	2 10	16 50	0 17	9 8	1 17	16 42	2 18	7 39	0 46	17 37
T 31	21n50	12n15	3n 0	14n32	3s46	7n14	2s12	17n 3	0s17	9n 6	1n16	16s41	2n18	7s39	0s46	17s38

Julian Day Number = 2392495.5, Delta T = 7.73 sec
Ecliptic obliquity = 23°27'46, Nutation = - 0°00'04, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°28'58, Lahiri = 21°35'58

ASTRODIENST EPHEMERIS for the year 1838

geocentric

JUNE 1838

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 36 8	10 ^{II} 0'18	17 ^{III} 26	21 ^{III} 38	24 ^V 58	19 ^{III} 7	9 ^{III} 49	24 ^R 25	12 ^{III} 21	10 ^R 19	17 ^V 32	11 ^V 24	10 ^V 18	18 ^{III} 32	22 ^{II} 6	F 1
S 2	16 40 4	10°57'45	29°15	21°49	26° 2	19°51	9°53	24 ^{III} 21	12°22	10°19	17°33	11°25	10°15	18°39	22°12	S 2
S 3	16 44 1	11°55'10	11 ^{II} 10	22° 3	27° 5	20°34	9°58	24°17	12°22	10°18	17°34	11°R25	10°12	18°45	22°17	S 3
M 4	16 47 57	12°52'35	23°13	22°22	28° 9	21°18	10° 3	24°13	12°23	10°17	17°35	11°25	10° 9	18°52	22°23	M 4
T 5	16 51 54	13°49'58	5 ^{III} 31	22°46	29°13	22° 1	10° 8	24° 9	12°24	10°17	17°36	11°22	10° 5	18°59	22°28	T 5
W 6	16 55 50	14°47'21	18° 5	23°14	0 ^{III} 17	22°44	10°13	24° 5	12°24	10°16	17°37	11°17	10° 2	19° 5	22°34	W 6
T 7	16 59 47	15°44'42	0 ^{III} 59	23°46	1°22	23°28	10°19	24° 1	12°25	10°15	17°38	11°10	9°59	19°12	22°39	T 7
F 8	17 3 44	16°42'03	14°11	24°22	2°26	24°11	10°24	23°57	12°25	10°14	17°39	11° 0	9°56	19°19	22°45	F 8
S 9	17 7 40	17°39'23	27°42	25° 2	3°31	24°54	10°30	23°53	12°26	10°14	17°39	10°50	9°53	19°25	22°50	S 9
S 10	17 11 37	18°36'42	11 ^{III} 28	25°47	4°36	25°37	10°36	23°49	12°26	10°13	17°40	10°39	9°49	19°32	22°56	S 10
M 11	17 15 33	19°34'01	25°26	26°35	5°41	26°20	10°42	23°45	12°26	10°12	17°41	10°30	9°46	19°39	23° 1	M 11
T 12	17 19 30	20°31'19	9 ^{III} 31	27°27	6°47	27° 3	10°48	23°41	12°27	10°11	17°42	10°22	9°43	19°45	23° 7	T 12
W 13	17 23 26	21°28'36	23°41	28°23	7°52	27°46	10°54	23°38	12°27	10°10	17°43	10°17	9°40	19°52	23°13	W 13
T 14	17 27 23	22°25'53	7 ^{III} 51	29°23	8°58	28°29	11° 0	23°34	12°27	10° 9	17°43	10°14	9°37	19°59	23°18	T 14
F 15	17 31 19	23°23'10	22° 0	0 ^{III} 26	10° 4	29°12	11° 7	23°30	12°27	10° 8	17°44	10°D14	9°34	20° 5	23°24	F 15
S 16	17 35 16	24°20'27	6 ^V 7	1°33	11°10	29°54	11°13	23°27	12°27	10° 7	17°45	10°R14	9°30	20°12	23°29	S 16
S 17	17 39 13	25°17'43	20°11	2°44	12°16	0 ^{III} 37	11°20	23°23	12°R27	10° 6	17°45	10°14	9°27	20°19	23°35	S 17
M 18	17 43 9	26°14'59	4 ^{III} 10	3°58	13°22	1°20	11°27	23°20	12°27	10° 5	17°46	10°12	9°24	20°25	23°40	M 18
T 19	17 47 6	27°12'15	18° 3	5°15	14°29	2° 2	11°34	23°17	12°27	10° 4	17°47	10° 8	9°21	20°32	23°46	T 19
W 20	17 51 2	28° 9'31	1 ^{III} 48	6°36	15°36	2°45	11°41	23°13	12°27	10° 3	17°47	10° 0	9°18	20°39	23°51	W 20
T 21	17 54 59	29° 6'47	15°23	8° 0	16°42	3°27	11°49	23°10	12°27	10° 2	17°48	9°51	9°15	20°45	23°57	T 21
F 22	17 58 55	0 ^{III} 4'02	28°45	9°27	17°49	4°10	11°56	23° 7	12°27	10° 1	17°48	9°39	9°11	20°52	24° 2	F 22
S 23	18 2 52	1° 1'17	11 ^{III} 52	10°58	18°56	4°52	12° 3	23° 4	12°26	10° 0	17°49	9°27	9° 8	20°59	24° 8	S 23
S 24	18 6 48	1°58'32	24°42	12°32	20° 3	5°34	12°11	23° 1	12°26	9°59	17°49	9°15	9° 5	21° 5	24°14	S 24
M 25	18 10 45	2°55'46	7 ^{III} 15	14° 9	21°11	6°16	12°19	22°58	12°26	9°57	17°50	9° 4	9° 2	21°12	24°19	M 25
T 26	18 14 42	3°53'00	19°33	15°49	22°18	6°59	12°27	22°55	12°25	9°56	17°50	8°55	8°59	21°19	24°25	T 26
W 27	18 18 38	4°50'13	1 ^{III} 37	17°32	23°25	7°41	12°35	22°53	12°25	9°55	17°51	8°49	8°55	21°25	24°30	W 27
T 28	18 22 35	5°47'26	13°31	19°19	24°33	8°23	12°43	22°50	12°25	9°54	17°51	8°46	8°52	21°32	24°36	T 28
F 29	18 26 31	6°44'39	25°20	21° 8	25°41	9° 5	12°51	22°47	12°24	9°52	17°52	8°45	8°49	21°39	24°41	F 29
S 30	18 30 28	7°54'15	7 ^{III} 9	23 ^{II} 0	26°49	9 ^{III} 47	13 ^{III} 0	22 ^{III} 45	12 ^{III} 23	9°55	17°52	8°44	8°46	21 ^{III} 45	24 ^{III} 47	S 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	21n58	6n53	2n 5	14n29	3s50	7n36	2s14	17n16	0s16	9n 4	1n16	16s40	2n18	7s39	0s46	17s38	0n 3	8s46	16s56	4n31	4n 5	6n18	17n56	5s18	
S 2	22 7	1 17	1 5	14 28	3 54	7 57	2 16	17 28	0 16	9 2	1 16	16 39	2 18	7 39	0 46	17 38	0 3	8 46	16 56	4 31	4 4	6 15	17 56	5 18	
S 3	22 14	4s24	0 1	14 29	3 56	8 18	2 18	17 40	0 15	9 0	1 16	16 38	2 18	7 38	0 46	17 38	0 3	8 46	16 56	4 31	4 2	6 11	17 57	5 18	
M 4	22 22	10 0	1s 3	14 33	3 58	8 39	2 19	17 52	0 14	8 58	1 16	16 37	2 18	7 38	0 46	17 38	0 3	8 45	16 57	4 31	4 1	6 8	17 57	5 18	
T 5	22 29	15 20	2 5	14 38	3 58	9 1	2 21	18 4	0 14	8 56	1 15	16 36	2 18	7 38	0 46	17 39	0 3	8 45	16 57	4 30	4 0	6 4	17 57	5 18	
W 6	22 36	20 9	3 3	14 46	3 58	9 22	2 22	18 16	0 13	8 54	1 15	16 35	2 17	7 38	0 46	17 39	0 3	8 45	16 57	4 28	3 59	6 1	17 57	5 18	
T 7	22 42	24 9	3 52	14 55	3 56	9 43	2 23	18 28	0 12	8 52	1 15	16 35	2 17	7 38	0 46	17 39	0 3	8 45	16 57	4 25	3 57	5 58	17 58	5 18	
F 8	22 48	27 0	4 31	15 6	3 54	10 4	2 24	18 39	0 12	8 50	1 15	16 34	2 17	7 37	0 46	17 39	0 3	8 45	16 58	4 21	3 56	5 54	17 58	5 18	
S 9	22 53	28 21	4 55	15 19	3 50	10 25	2 25	18 50	0 11	8 47	1 15	16 33	2 17	7 37	0 47	17 39	0 3	8 45	16 58	4 17	3 55	5 51	17 58	5 18	
S 10	22 58	27 59	5 2	15 33	3 46	10 46	2 26	19 1	0 10	8 45	1 14	16 32	2 17	7 37	0 47	17 40	0 2	8 45	16 58	4 13	3 54	5 48	17 58	5 18	
M 11	23 3	25 52	4 52	15 49	3 41	11 7	2 27	19 12	0 10	8 43	1 14	16 31	2 17	7 37	0 47	17 40	0 2	8 45	16 59	4 9	3 52	5 44	17 59	5 18	
T 12	23 7	22 8	4 25	16 7	3 36	11 28	2 27	19 22	0 9	8 40	1 14	16 31	2 17	7 37	0 47	17 40	0 2	8 45	16 59	4 7	3 51	5 41	17 59	5 19	
W 13	23 11	17 7	3 41	16 25	3 29	11 49	2 28	19 33	0 8	8 38	1 14	16 30	2 16	7 37	0 47	17 40	0 2	8 45	16 59	4 5	3 50	5 37	17 59	5 19	
T 14	23 15	11 9	2 43	16 45	3 22	12 10	2 28	19 43	0 8	8 35	1 14	16 29	2 16	7 37	0 47	17 41	0 2	8 45	17 0	4 3	3 49	5 34	17 59	5 19	
F 15	23 18	4 38	1 35	17 5	3 15	12 30	2 28	19 53	0 7	8 32	1 14	16 28	2 16	7 37	0 47	17 41	0 2	8 45	17 0	4 3	3 47	5 31	17 59	5 19	
S 16	23 20	2n 6	0 22	17 27	3 6	12 50	2 28	20 3	0 6	8 30	1 13	16 28	2 16	7 37	0 47	17 41	0 2	8 45	17 0	4 3	3 46	5 27	18 0	5 19	
S 17	23 23	8 42	0n53	17 49	2 58	13 11	2 28	20 13	0 6	8 27	1 13	16 27	2 16	7 37	0 47	17 41	0 2	8 45	17 1	4 3	3 45	5 24	18 0	5 19	
M 18	23 25	14 51	2 3	18 12	2 48	13 31	2 28	20 22	0 5	8 24	1 13	16 26	2 16	7 37	0 47	17 42	0 2	8 45	17 1	4 2	3 44	5 20	18 0	5 19	
T 19	23 26	20 12	3 6	18 36	2 39	13 50	2 28	20 31	0 4	8 21	1 13	16 26	2 15	7 37	0 47	17 42	0 2	8 46	17 1	4 1	3 42	5 17	18 0	5 19	
W 20	23 27	24 25	3 57	19 0	2 28	14 10	2 28	20 40	0 3	8 18	1 13	16 25	2 15	7 37	0 47	17 42	0 2	8 46	17 2	3 58	3 41	5 14	18 0	5 19	
T 21	23 28	27 12	4 34	19 24	2 18	14 29	2 27	20 49	0 3	8 16	1 13	16 24	2 15	7 37	0 47	17 43	0 2	8 46	17 2	3 54	3 40	5 10	18 0	5 19	
F 22	23 28	28 23	4 55	19 48	2 7	14 49	2 27	20 58	0 2	8 13	1 12	16 24	2 15	7 37	0 47	17 43	0 2	8 46	17 2	3 50	3 39	5 7	18 1	5 19	
S 23	23 28	27 55	5 0	20 12	1 56	15 7	2 26	21 6	0 1	8 9	1 12	16 23	2 15	7 37	0 47	17 43	0 2	8 46	17 3	3 45	3 37	5 3	18 1	5 20	
S 24	23 27	25 57	4 50	20 36	1 44	15 26	2 25	21 15	0 1	8 6	1 12	16 23	2 14	7 38	0 47	17 44	0 2	8 46	17 3	3 40	3 36	5 0	18 1	5 20	
M 25	23 26	22 45	4 26	20 59	1 33	15 45	2 25	21 23	0 0	8 3	1 12	16 22	2 14	7 38	0 47	17 44	0 2	8 46	17 3	3 36	3 35	4 57	18 1	5 20	
T 26	23 24	18 36	3 49	21 22	1 21	16 3	2 24	21 30	0n 1	8 0	1 12	16 22	2 14	7 38	0 47	17 44	0 2	8 46	17 4	3 32	3 34	4 53	18 1	5 20	
W 27	23 22	13 46	3 3	21 44	1 9	16 21	2 23	21 38	0 1	7 57	1 12	16 21	2 14	7 38	0 47	17 45	0 2	8 46	17 4	3 30	3 32	4 50	18 1	5 20	
T 28	23 20	8 29	2 9	22 6	0 57	16 38	2 22	21 45	0 2	7 54	1 11	16 21	2 14	7 38	0 47	17 45	0 2	8 47	17 4	3 29	3 31	4 46	18 1	5 20	
F 29	23 17	2 56	1 10	22 26	0 44	16 55	2 20	21 53	0 3	7 50	1 11	16 20	2 13	7 39	0 47	17 45	0 2	8 47	17 5	3 28	3 30	4 43	18 1	5 20	
S 30	23n14	2s43	0n 8	22n44	0s32	17n12	2s19	22n 0	0n 3	7n47	1n11	16s20	2n13	7s39	0s47	17s46	0n 2	8s47	17s 5	3n28	3n29	4n40	18n 1	5s21	

ASTRODIENST EPHEMERIS for the year 1838

geocentric

JULY 1838

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 34 24	8°39'02	19°3	24°55	27°57	10°29	13°8	22°R42	12°R23	9°R50	17°Y53	8°R44	8°Y43	21°M52	24°II52	S 1
M 2	18 38 21	9°36'14	1°M 8	26°53	29° 5	11°10	13°17	22°M40	12°K22	9°M48	17°53	8°Y43	8°40	21°58	24°57	M 2
T 3	18 42 17	10°33'25	13°29	28°52	0°II13	11°52	13°25	22°38	12°21	9°47	17°53	8°40	8°36	22° 5	25° 3	T 3
W 4	18 46 14	11°30'36	26°10	0°54	1°21	12°34	13°34	22°36	12°21	9°46	17°54	8°35	8°33	22°12	25° 8	W 4
T 5	18 50 11	12°27'47	9°A14	2°58	2°29	13°15	13°43	22°33	12°20	9°44	17°54	8°27	8°30	22°18	25°14	T 5
F 6	18 54 7	13°24'58	22°41	5° 4	3°38	13°57	13°52	22°31	12°19	9°43	17°54	8°17	8°27	22°25	25°19	F 6
S 7	18 58 4	14°22'09	6°32	7°10	4°47	14°39	14° 1	22°29	12°18	9°41	17°54	8° 5	8°24	22°32	25°25	S 7
S 8	19 2 0	15°19'20	20°41	9°18	5°55	15°20	14°10	22°28	12°17	9°40	17°55	7°54	8°21	22°38	25°30	S 8
M 9	19 5 57	16°16'31	5°M 4	11°27	7° 4	16° 1	14°20	22°26	12°16	9°39	17°55	7°44	8°17	22°45	25°35	M 9
T 10	19 9 53	17°13'43	19°35	13°36	8°13	16°43	14°29	22°24	12°15	9°37	17°55	7°35	8°14	22°52	25°41	T 10
W11	19 13 50	18°10'55	4°K 7	15°46	9°22	17°24	14°39	22°23	12°14	9°36	17°55	7°30	8°11	22°58	25°46	W11
T 12	19 17 47	19° 8'07	18°35	17°55	10°31	18° 5	14°48	22°21	12°13	9°34	17°55	7°27	8° 8	23° 5	25°51	T 12
F 13	19 21 43	20° 5'20	2°Y54	20° 4	11°40	18°46	14°58	22°20	12°12	9°33	17°56	7°D26	8° 5	23°12	25°56	F 13
S 14	19 25 40	21° 2'33	17° 3	22°12	12°49	19°28	15° 8	22°18	12°11	9°31	17°56	7°R26	8° 1	23°18	26° 2	S 14
S 15	19 29 36	21°59'47	1°B 1	24°20	13°59	20° 9	15°18	22°17	12° 9	9°30	17°56	7°25	7°58	23°25	26° 7	S 15
M16	19 33 33	22°57'02	14°47	26°26	15° 8	20°50	15°28	22°16	12° 8	9°28	17°56	7°24	7°55	23°32	26°12	M16
T 17	19 37 29	23°54'18	28°22	28°32	16°18	21°31	15°38	22°15	12° 7	9°26	17°56	7°20	7°52	23°38	26°17	T 17
W18	19 41 26	24°51'35	11°II45	0°B36	17°27	22°11	15°48	22°14	12° 5	9°25	17°56	7°13	7°49	23°45	26°22	W18
T 19	19 45 22	25°48'52	24°57	2°39	18°37	22°52	15°58	22°13	12° 4	9°23	17°R56	7° 4	7°46	23°52	26°27	T 19
F 20	19 49 19	26°46'10	7°57	4°40	19°47	23°33	16° 8	22°13	12° 3	9°22	17°56	6°53	7°42	23°58	26°32	F 20
S 21	19 53 16	27°43'28	20°45	6°40	20°57	24°14	16°19	22°12	12° 1	9°20	17°56	6°41	7°39	24° 5	26°38	S 21
S 22	19 57 12	28°40'47	3°B19	8°38	22° 7	24°54	16°29	22°12	12° 0	9°19	17°56	6°30	7°36	24°11	26°43	S 22
M23	20 1 9	29°38'07	15°40	10°34	23°17	25°35	16°40	22°11	11°58	9°17	17°56	6°20	7°33	24°18	26°48	M23
T 24	20 5 5	0°B35'27	27°48	12°29	24°27	26°15	16°51	22°11	11°56	9°15	17°56	6°11	7°30	24°25	26°52	T 24
W25	20 9 2	1°32'48	9°M47	14°22	25°37	26°56	17° 1	22°10	11°55	9°14	17°56	6° 6	7°27	24°31	26°57	W25
T 26	20 12 58	2°30'09	21°38	16°14	26°47	27°36	17°12	22°10	11°53	9°12	17°55	6° 3	7°23	24°38	27° 2	T 26
F 27	20 16 55	3°27'31	3°A25	18° 3	27°58	28°17	17°23	22°D10	11°51	9°11	17°55	6°D 1	7°20	24°45	27° 7	F 27
S 28	20 20 51	4°24'53	15°13	19°51	29° 8	28°57	17°34	22°10	11°50	9° 9	17°55	6° 2	7°17	24°51	27°12	S 28
S 29	20 24 48	5°22'16	27° 6	21°38	0°B19	29°37	17°45	22°10	11°48	9° 7	17°55	6° 2	7°14	24°58	27°17	S 29
M30	20 28 45	6°19'40	9°M10	23°22	1°29	0°B17	17°56	22°11	11°46	9° 6	17°55	6°R 3	7°11	25° 5	27°21	M30
T 31	20 32 41	7°B17'04	21°M30	25°B 5	2°B40	0°B57	18°M 7	22°M11	11°K44	9°M 4	17°Y54	6°Y 1	7°Y 7	25°M11	27°II26	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	23n11	8s18	0s54	23n 1	0s21	17n29	2s18	22n 6	0n 4	7n44	1n11	16s19	2n13	7s39	0s47	17s46
M 2	23 7	13 41	1 56	23 17	0 9	17 45	2 16	22 13	0 5	7 40	1 11	16 19	2 13	7 39	0 47	17 46
T 3	23 3	18 39	2 53	23 30	0n 3	18 1	2 15	22 19	0 5	7 37	1 11	16 19	2 12	7 40	0 47	17 47
W 4	22 58	22 55	3 43	23 41	0 14	18 17	2 13	22 26	0 6	7 33	1 11	16 18	2 12	7 40	0 47	17 47
T 5	22 53	26 11	4 23	23 50	0 24	18 32	2 12	22 32	0 7	7 30	1 10	16 18	2 12	7 40	0 47	17 48
F 6	22 47	28 5	4 50	23 57	0 35	18 47	2 10	22 37	0 8	7 26	1 10	16 18	2 12	7 41	0 48	17 48
S 7	22 41	28 18	5 1	24 1	0 45	19 1	2 8	22 43	0 8	7 22	1 10	16 17	2 12	7 41	0 48	17 48
S 8	22 35	26 42	4 53	24 2	0 54	19 15	2 6	22 48	0 9	7 19	1 10	16 17	2 11	7 41	0 48	17 49
M 9	22 28	23 20	4 28	24 0	1 2	19 28	2 4	22 53	0 10	7 15	1 10	16 17	2 11	7 42	0 48	17 49
T 10	22 21	18 30	3 44	23 56	1 10	19 41	2 2	22 58	0 10	7 11	1 10	16 17	2 11	7 42	0 48	17 50
W11	22 14	12 36	2 47	23 49	1 17	19 54	2 0	23 3	0 11	7 7	1 10	16 17	2 11	7 43	0 48	17 50
T 12	22 6	6 2	1 38	23 39	1 24	20 6	1 58	23 7	0 12	7 4	1 10	16 16	2 10	7 43	0 48	17 50
F 13	21 57	0n47	0 24	23 26	1 30	20 18	1 55	23 12	0 13	7 0	1 9	16 16	2 10	7 44	0 48	17 51
S 14	21 49	7 29	0n51	23 11	1 34	20 29	1 53	23 16	0 13	6 56	1 9	16 16	2 10	7 44	0 48	17 51
S 15	21 40	13 44	2 2	22 53	1 39	20 40	1 51	23 20	0 14	6 52	1 9	16 16	2 10	7 45	0 48	17 52
M16	21 30	19 13	3 4	22 33	1 42	20 50	1 48	23 23	0 15	6 48	1 9	16 16	2 9	7 45	0 48	17 52
T 17	21 21	23 38	3 56	22 11	1 45	21 0	1 46	23 27	0 15	6 44	1 9	16 16	2 9	7 46	0 48	17 52
W18	21 11	26 44	4 33	21 47	1 47	21 9	1 43	23 30	0 16	6 40	1 9	16 16	2 9	7 46	0 48	17 53
T 19	21 0	28 17	4 55	21 20	1 48	21 18	1 41	23 33	0 17	6 36	1 9	16 16	2 9	7 47	0 48	17 53
F 20	20 49	28 15	5 2	20 52	1 48	21 26	1 38	23 36	0 17	6 32	1 9	16 16	2 8	7 47	0 48	17 54
S 21	20 38	26 41	4 53	20 22	1 48	21 34	1 36	23 38	0 18	6 27	1 9	16 16	2 8	7 48	0 48	17 54
S 22	20 27	23 49	4 30	19 51	1 47	21 41	1 33	23 41	0 19	6 23	1 8	16 16	2 8	7 49	0 48	17 55
M23	20 15	19 53	3 55	19 18	1 46	21 47	1 30	23 43	0 20	6 19	1 8	16 17	2 8	7 49	0 48	17 55
T 24	20 3	15 12	3 9	18 44	1 44	21 53	1 27	23 45	0 20	6 15	1 8	16 17	2 7	7 50	0 48	17 55
W25	19 50	10 0	2 15	18 9	1 41	21 59	1 25	23 47	0 21	6 11	1 8	16 17	2 7	7 51	0 48	17 56
T 26	19 37	4 29	1 16	17 33	1 38	22 4	1 22	23 48	0 22	6 6	1 8	16 17	2 7	7 51	0 48	17 56
F 27	19 24	1s 9	0 14	16 56	1 34	22 8	1 19	23 50	0 22	6 2	1 8	16 17	2 7	7 52	0 48	17 57
S 28	19 11	6 45	0s49	16 18	1 30	22 12	1 16	23 51	0 23	5 58	1 8	16 18	2 6	7 53	0 48	17 57
S 29	18 57	12 10	1 50	15 40	1 26	22 15	1 13	23 52	0 24	5 53	1 8	16 18	2 6	7 53	0 48	17 58
M30	18 43	17 13	2 48	15 0	1 20	22 17	1 10	23 52	0 25	5 49	1 8	16 18	2 6	7 54	0 48	17 58
T 31	18n28	21s41	3s39	14n21	1n15	22n19	1s 7	23n53	0n25	5n44	1n 8	16s18	2n 6	7s55	0s48	17s59

Julian Day Number = 2392556.5, Delta T = 7.71 sec
 Ecliptic obliquity = 23°27'46, Nutation = - 0°00'02, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°29'06, Lahiri = 21°36'07

ASTRODIENST EPHEMERIS for the year 1838

geocentric

AUGUST 1838

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 36 38	8♌14'29	4♊12	26♌47	3♊51	1♊37	18♏18	22♏11	11°R43	9°R 2	17°R54	5°R58	7°Y 4	25♏18	27♏31	W 1
T 2	20 40 34	9°11'54	17°18	28°26	5° 1	2°17	18°30	22°12	11°K41	9° 1	17°Y54	5°Y53	7° 1	25°25	27°35	T 2
F 3	20 44 31	10° 9'20	0♊51	0♏4	6°12	2°57	18°41	22°13	11°39	8°59	17°53	5°46	6°58	25°31	27°40	F 3
S 4	20 48 27	11° 6'48	14°50	1°41	7°23	3°37	18°52	22°13	11°37	8°57	17°53	5°38	6°55	25°38	27°44	S 4
S 5	20 52 24	12° 4'15	29°14	3°16	8°34	4°17	19° 4	22°14	11°35	8°56	17°53	5°30	6°52	25°45	27°49	S 5
M 6	20 56 20	13° 1'44	13°56	4°49	9°45	4°57	19°15	22°15	11°33	8°54	17°52	5°22	6°48	25°51	27°53	M 6
T 7	21 0 17	13°59'14	28°49	6°20	10°57	5°36	19°27	22°16	11°31	8°53	17°52	5°16	6°45	25°58	27°58	T 7
W 8	21 4 14	14°56'45	13°K44	7°50	12° 8	6°16	19°39	22°17	11°29	8°51	17°52	5°12	6°42	26° 5	28° 2	W 8
T 9	21 8 10	15°54'17	28°33	9°18	13°19	6°55	19°50	22°18	11°27	8°49	17°51	5°D10	6°39	26°11	28° 7	T 9
F 10	21 12 7	16°51'51	13°Y10	10°45	14°31	7°35	20° 2	22°20	11°25	8°48	17°51	5°10	6°36	26°18	28°11	F 10
S 11	21 16 3	17°49'26	27°32	12° 9	15°42	8°14	20°14	22°21	11°22	8°46	17°50	5°11	6°33	26°24	28°15	S 11
S 12	21 20 0	18°47'03	11°K34	13°32	16°54	8°54	20°26	22°23	11°20	8°45	17°50	5°12	6°29	26°31	28°19	S 12
M13	21 23 56	19°44'41	25°19	14°54	18° 5	9°33	20°38	22°24	11°18	8°43	17°49	5°R13	6°26	26°38	28°23	M13
T 14	21 27 53	20°42'21	8°K45	16°13	19°17	10°12	20°50	22°26	11°16	8°41	17°49	5°11	6°23	26°44	28°27	T 14
W15	21 31 49	21°40'02	21°55	17°31	20°29	10°52	21° 2	22°28	11°14	8°40	17°48	5° 8	6°20	26°51	28°31	W15
T 16	21 35 46	22°37'45	4♊50	18°47	21°40	11°31	21°14	22°30	11°12	8°38	17°48	5° 2	6°17	26°58	28°35	T 16
F 17	21 39 43	23°35'29	17°31	20° 1	22°52	12°10	21°26	22°32	11° 9	8°37	17°47	4°56	6°13	27° 4	28°39	F 17
S 18	21 43 39	24°33'15	0♌0	21°12	24° 4	12°49	21°38	22°34	11° 7	8°35	17°46	4°49	6°10	27°11	28°43	S 18
S 19	21 47 36	25°31'03	12°18	22°22	25°16	13°28	21°50	22°36	11° 5	8°34	17°46	4°42	6° 7	27°18	28°47	S 19
M20	21 51 32	26°28'52	24°26	23°30	26°28	14° 7	22° 2	22°38	11° 3	8°32	17°45	4°35	6° 4	27°24	28°51	M20
T 21	21 55 29	27°26'42	6♏25	24°35	27°41	14°45	22°15	22°40	11° 0	8°30	17°44	4°30	6° 1	27°31	28°54	T 21
W22	21 59 25	28°24'33	18°17	25°38	28°53	15°24	22°27	22°43	10°58	8°29	17°44	4°27	5°58	27°38	28°58	W22
T 23	22 3 22	29°22'26	0♌5	26°38	0♌5	16° 3	22°39	22°45	10°56	8°27	17°43	4°D26	5°54	27°44	29° 2	T 23
F 24	22 7 18	0♏20'21	11°51	27°36	1°17	16°41	22°52	22°48	10°53	8°26	17°42	4°26	5°51	27°51	29° 5	F 24
S 25	22 11 15	1°18'17	23°39	28°31	2°30	17°20	23° 4	22°51	10°51	8°24	17°42	4°27	5°48	27°57	29° 9	S 25
S 26	22 15 12	2°16'14	5♏32	29°23	3°42	17°58	23°17	22°53	10°49	8°23	17°41	4°29	5°45	28° 4	29°12	S 26
M27	22 19 8	3°14'12	17°36	0♌12	4°55	18°37	23°29	22°56	10°46	8°22	17°40	4°31	5°42	28°11	29°15	M27
T 28	22 23 5	4°12'12	29°55	0°58	6° 7	19°15	23°42	22°59	10°44	8°20	17°39	4°R32	5°38	28°17	29°19	T 28
W29	22 27 1	5°10'13	12°K33	1°40	7°20	19°53	23°54	23° 2	10°41	8°19	17°39	4°31	5°35	28°24	29°22	W29
T 30	22 30 58	6° 8'16	25°35	2°18	8°33	20°32	24° 7	23° 5	10°39	8°17	17°38	4°30	5°32	28°31	29°25	T 30
F 31	22 34 54	7° 6'20	9♊4	2♌53	9♌45	21°510	24°19	23° 9	10°K37	8° 16	17°Y37	4°Y27	5°Y29	28° 37	29°K28	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	18n13	25s16	4s21	13n41	1n 9	22n20	1s 4	23n53	0n26	5n40	1n 7	16s19	2n 5	7s55	0s48	17s59
T 2	17 58	27 40	4 50	13 1	1 3	22 21	1 1	23 53	0 27	5 35	1 7	16 19	2 5	7 56	0 48	17 59
F 3	17 43	28 33	5 5	12 20	0 56	22 21	0 58	23 53	0 27	5 31	1 7	16 20	2 5	7 57	0 48	18 0
S 4	17 27	27 38	5 2	11 39	0 49	22 20	0 55	23 53	0 28	5 26	1 7	16 20	2 5	7 58	0 48	18 0
S 5	17 11	24 54	4 41	10 58	0 42	22 19	0 52	23 52	0 29	5 22	1 7	16 21	2 4	7 58	0 48	18 1
M 6	16 55	20 29	4 0	10 17	0 34	22 17	0 49	23 52	0 30	5 17	1 7	16 21	2 4	7 59	0 48	18 1
T 7	16 39	14 45	3 3	9 36	0 27	22 15	0 46	23 51	0 30	5 12	1 7	16 22	2 4	8 0	0 48	18 2
W 8	16 22	8 9	1 53	8 56	0 18	22 12	0 43	23 50	0 31	5 8	1 7	16 22	2 4	8 1	0 48	18 2
T 9	16 5	1 7	0 36	8 15	0 10	22 8	0 40	23 49	0 32	5 3	1 7	16 23	2 3	8 2	0 48	18 2
F 10	15 48	5n52	0n43	7 34	0 2	22 4	0 37	23 47	0 33	4 58	1 7	16 23	2 3	8 2	0 48	18 3
S 11	15 30	12 26	1 58	6 54	0s 7	21 59	0 34	23 46	0 33	4 54	1 7	16 24	2 3	8 3	0 49	18 3
S 12	15 13	18 14	3 4	6 14	0 16	21 53	0 31	23 44	0 34	4 49	1 7	16 24	2 3	8 4	0 49	18 4
M13	14 55	22 57	3 58	5 34	0 25	21 47	0 27	23 42	0 35	4 44	1 7	16 25	2 2	8 5	0 49	18 4
T 14	14 36	26 21	4 37	4 55	0 35	21 40	0 24	23 40	0 35	4 39	1 6	16 26	2 2	8 6	0 49	18 5
W15	14 18	28 14	5 1	4 16	0 44	21 33	0 21	23 37	0 36	4 35	1 6	16 26	2 2	8 7	0 49	18 5
T 16	13 59	28 32	5 9	3 37	0 54	21 25	0 18	23 35	0 37	4 30	1 6	16 27	2 2	8 7	0 49	18 6
F 17	13 40	27 18	5 2	2 59	1 3	21 16	0 15	23 32	0 38	4 25	1 6	16 28	2 1	8 8	0 49	18 6
S 18	13 21	24 44	4 40	2 22	1 13	21 7	0 12	23 29	0 38	4 20	1 6	16 29	2 1	8 9	0 49	18 6
S 19	13 2	21 3	4 6	1 46	1 23	20 57	0 9	23 26	0 39	4 15	1 6	16 29	2 1	8 10	0 49	18 7
M20	12 42	16 32	3 21	1 10	1 33	20 47	0 6	23 22	0 40	4 10	1 6	16 30	2 1	8 11	0 49	18 7
T 21	12 22	11 26	2 27	0 35	1 43	20 36	0 3	23 19	0 41	4 6	1 6	16 31	2 0	8 12	0 49	18 8
W22	12 2	5 58	1 27	0 1	1 53	20 24	0 0	23 15	0 41	4 1	1 6	16 32	2 0	8 13	0 49	18 8
T 23	11 42	0 20	0 24	0s32	2 2	20 12	0n 3	23 12	0 42	3 56	1 6	16 33	2 0	8 14	0 49	18 8
F 24	11 22	5s19	0s41	1 4	2 12	19 59	0 6	23 8	0 43	3 51	1 6	16 34	2 0	8 14	0 49	18 9
S 25	11 1	10 47	1 43	1 35	2 22	19 46	0 9	23 3	0 43	3 46	1 6	16 35	1 59	8 15	0 49	18 9
S 26	10 41	15 56	2 42	2 5	2 32	19 32	0 11	22 59	0 44	3 41	1 6	16 35	1 59	8 16	0 49	18 10
M27	10 20	20 32	3 35	2 33	2 41	19 17	0 14	22 55	0 45	3 36	1 6	16 36	1 59	8 17	0 49	18 10
T 28	9 59	24 22	4 19	3 3	2 51	19 2	0 17	22 50	0 46	3 31	1 6	16 37	1 59	8 18	0 49	18 10
W29	9 37	27 8	4 51	3 25	3 0	18 47	0 20	22 45	0 46	3 26	1 6	16 38	1 58	8 19	0 49	18 11
T 30	9 16	28 34	5 10	3 49	3 9	18 30	0 23	22 40	0 47	3 21	1 6	16 39	1 58	8 20	0 49	18 11
F 31	8n55	28s21	5s13	4s10	3s18	18n14	0n25	22n35	0n48	3n16	1n 6	16s40	1n58	8s21	0s49	18s11

Julian Day Number = 2392587.5, Delta T = 7.71 sec

Ecliptic obliquity = 23°27'46", Nutation = - 0°00'01", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°29'11", Lahiri = 21°36'11"

ASTRODIENST EPHEMERIS for the year 1838

geocentric

SEPTEMBER 1838

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 38 51	8 ^h 4'25	23 ^h 2	3 ^h 23	10 ^h 58	21 ^h 48	24 ^h 32	23 ^h 12	10 ^h R34	8 ^h R15	17 ^h R36	4 ^h R24	5 ^h Y26	28 ^h 44	29 ^h II31	S 1
S 2	22 42 47	9° 2'32	7 ^h 26	3° 48	12° 11	22° 26	24° 45	23° 15	10 ^h X32	8 ^h 13	17 ^h Y35	4 ^h Y21	5° 23	28° 51	29° 34	S 2
M 3	22 46 44	10° 0'40	22° 13	4° 9	13° 24	23° 4	24° 58	23° 19	10° 29	8° 12	17° 34	4° 17	5° 19	28° 57	29° 37	M 3
T 4	22 50 41	10° 58'50	7 ^h 16	4° 24	14° 37	23° 42	25° 10	23° 22	10° 27	8° 11	17° 33	4° 15	5° 16	29° 4	29° 40	T 4
W 5	22 54 37	11° 57'02	22° 26	4° 34	15° 50	24° 19	25° 23	23° 26	10° 25	8° 9	17° 33	4° 13	5° 13	29° 11	29° 42	W 5
T 6	22 58 34	12° 55'15	7 ^h Y3	4° R39	17° 3	24° 57	25° 36	23° 30	10° 22	8° 8	17° 32	4° D13	5° 10	29° 17	29° 45	T 6
F 7	23 2 30	13° 53'30	22° 30	4° 37	18° 16	25° 35	25° 49	23° 33	10° 20	8° 7	17° 31	4° 14	5° 7	29° 24	29° 48	F 7
S 8	23 6 27	14° 51'48	7 ^h 8	4° 29	19° 29	26° 12	26° 1	23° 37	10° 17	8° 6	17° 30	4° 15	5° 4	29° 31	29° 50	S 8
S 9	23 10 23	15° 50'07	21° 24	4° 15	20° 43	26° 50	26° 14	23° 41	10° 15	8° 4	17° 29	4° 16	5° 0	29° 37	29° 53	S 9
M10	23 14 20	16° 48'29	5 ^h II16	3° 54	21° 56	27° 27	26° 27	23° 45	10° 13	8° 3	17° 28	4° 17	4° 57	29° 44	29° 55	M10
T 11	23 18 16	17° 46'52	18° 44	3° 26	23° 9	28° 5	26° 40	23° 49	10° 10	8° 2	17° 27	4° R17	4° 54	29° 50	29° 57	T 11
W12	23 22 13	18° 45'18	1 ^h 49	2° 51	24° 23	28° 42	26° 53	23° 54	10° 8	8° 1	17° 26	4° 17	4° 51	29° 57	29° 59	W12
T 13	23 26 10	19° 43'47	14° 35	2° 11	25° 36	29° 19	27° 6	23° 58	10° 6	8° 0	17° 25	4° 16	4° 48	0 ^h 4	0 ^h 2	T 13
F 14	23 30 6	20° 42'17	27° 5	1° 24	26° 50	29° 57	27° 19	24° 2	10° 3	7° 59	17° 24	4° 14	4° 44	0° 10	0° 4	F 14
S 15	23 34 3	21° 40'49	9 ^h II21	0° 31	28° 4	0 ^h II34	27° 32	24° 7	10° 1	7° 57	17° 23	4° 12	4° 41	0° 17	0° 6	S 15
S 16	23 37 59	22° 39'23	21° 26	29 ^h 34	29° 17	1° 11	27° 45	24° 11	9° 59	7° 56	17° 22	4° 11	4° 38	0° 24	0° 8	S 16
M17	23 41 56	23° 38'00	3 ^h 23	28° 33	0 ^h 31	1° 48	27° 58	24° 16	9° 56	7° 55	17° 21	4° 9	4° 35	0° 30	0° 10	M17
T 18	23 45 52	24° 36'38	15° 15	27° 30	1° 45	2° 25	28° 10	24° 20	9° 54	7° 54	17° 20	4° 8	4° 32	0° 37	0° 12	T 18
W19	23 49 49	25° 35'18	27° 3	26° 26	2° 58	3° 1	28° 23	24° 25	9° 52	7° 53	17° 19	4° 8	4° 29	0° 44	0° 13	W19
T 20	23 53 45	26° 34'00	8 ^h 50	25° 22	4° 12	3° 38	28° 36	24° 30	9° 49	7° 52	17° 18	4° D 7	4° 25	0° 50	0° 15	T 20
F 21	23 57 42	27° 32'45	20° 38	24° 20	5° 26	4° 15	28° 49	24° 35	9° 47	7° 52	17° 17	4° 8	4° 22	0° 57	0° 17	F 21
S 22	0 1 38	28° 31'31	2 ^h 29	23° 21	6° 40	4° 51	29° 2	24° 40	9° 45	7° 51	17° 16	4° 8	4° 19	1° 4	0° 18	S 22
S 23	0 5 35	29° 30'19	14° 27	22° 28	7° 54	5° 28	29° 15	24° 45	9° 43	7° 50	17° 14	4° 9	4° 16	1° 10	0° 20	S 23
M24	0 9 32	0 ^h 29'08	26° 34	21° 41	9° 8	6° 4	29° 28	24° 50	9° 40	7° 49	17° 13	4° 9	4° 13	1° 17	0° 21	M24
T 25	0 13 28	1° 28'00	8 ^h 55	21° 2	10° 22	6° 41	29° 41	24° 55	9° 38	7° 48	17° 12	4° 10	4° 10	1° 23	0° 22	T 25
W26	0 17 25	2° 26'53	21° 32	20° 32	11° 36	7° 17	29° 54	25° 0	9° 36	7° 47	17° 11	4° 10	4° 6	1° 30	0° 23	W26
T 27	0 21 21	3° 25'49	4 ^h 30	20° 11	12° 50	7° 53	0 ^h 7	25° 5	9° 34	7° 47	17° 10	4° R10	4° 3	1° 37	0° 24	T 27
F 28	0 25 18	4° 24'46	17° 51	20° 1	14° 5	8° 29	0° 20	25° 10	9° 32	7° 46	17° 9	4° D10	4° 0	1° 43	0° 25	F 28
S 29	0 29 14	5° 23'44	1 ^h 38	20° D 0	15° 19	9° 5	0° 33	25° 16	9° 30	7° 45	17° 8	4° 10	3° 57	1° 50	0° 26	S 29
S 30	0 33 11	6 ^h 22'44	15 ^h 51	20 ^h 10	16 ^h 33	9 ^h II41	0 ^h 46	25 ^h 21	9 ^h X28	7 ^h 45	17 ^h Y 7	4 ^h Y10	3 ^h Y54	1 ^h 57	0 ^h 27	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	8n33	26s23	4s58	4s30	3s26	17n57	0n28	22n30	0n49	3n11	1n 6	16s41	1n58	8s22	0s49	18s12	0n 2	9s12	17s26	1n45	2n10	1n 3	17n45	5s42			
S 2	8 11	22 41	4 24	4 47	3 34	17 39	0 31	22 24	0 49	3 6	1 6	16 43	1 58	8 23	0 49	18 12	0 2	9 12	17 26	1 44	2 8	1 0	17 45	5 43			
M 3	7 49	17 27	3 31	5 2	3 41	17 21	0 33	22 19	0 50	3 1	1 6	16 44	1 57	8 24	0 49	18 13	0 2	9 13	17 26	1 42	2 7	0 56	17 44	5 44			
T 4	7 27	11 4	2 23	5 15	3 48	17 2	0 36	22 13	0 51	2 55	1 6	16 45	1 57	8 24	0 49	18 13	0 2	9 13	17 26	1 41	2 6	0 53	17 44	5 44			
W 5	7 5	4 0	1 5	5 24	3 54	16 43	0 38	22 7	0 52	2 50	1 6	16 46	1 57	8 25	0 49	18 13	0 2	9 14	17 26	1 41	2 5	0 50	17 43	5 45			
T 6	6 43	3n17	0n18	5 31	4 0	16 23	0 41	22 1	0 52	2 45	1 6	16 47	1 57	8 26	0 49	18 14	0 2	9 14	17 27	1 41	2 3	0 46	17 43	5 45			
F 7	6 21	10 18	1 39	5 34	4 4	16 3	0 43	21 55	0 53	2 40	1 6	16 48	1 56	8 27	0 49	18 14	0 1	9 15	17 27	1 41	2 2	0 43	17 42	5 46			
S 8	5 58	16 37	2 52	5 34	4 8	15 42	0 45	21 49	0 54	2 35	1 6	16 49	1 56	8 28	0 49	18 14	0 1	9 16	17 27	1 41	2 1	0 39	17 42	5 46			
S 9	5 35	21 52	3 52	5 31	4 10	15 21	0 48	21 42	0 55	2 30	1 6	16 50	1 56	8 29	0 49	18 15	0 1	9 16	17 27	1 42	1 59	0 36	17 41	5 47			
M10	5 13	25 44	4 37	5 23	4 11	15 0	0 50	21 36	0 55	2 25	1 6	16 52	1 56	8 30	0 49	18 15	0 1	9 17	17 27	1 42	1 58	0 32	17 41	5 47			
T 11	4 50	28 3	5 5	5 12	4 11	14 38	0 52	21 29	0 56	2 20	1 6	16 53	1 56	8 31	0 49	18 15	0 1	9 17	17 28	1 42	1 57	0 29	17 40	5 48			
W12	4 27	28 43	5 16	4 57	4 9	14 16	0 54	21 22	0 57	2 15	1 6	16 54	1 55	8 32	0 49	18 16	0 1	9 18	17 28	1 42	1 56	0 25	17 39	5 48			
T 13	4 4	27 49	5 11	4 37	4 5	13 53	0 56	21 15	0 58	2 9	1 6	16 55	1 55	8 33	0 49	18 16	0 1	9 18	17 28	1 42	1 54	0 22	17 39	5 49			
F 14	3 41	25 32	4 52	4 13	4 0	13 30	0 58	21 8	0 58	2 4	1 6	16 57	1 55	8 33	0 49	18 16	0 1	9 19	17 28	1 41	1 53	0 18	17 38	5 49			
S 15	3 18	22 6	4 19	3 46	3 53	13 6	1 0	21 1	0 59	1 59	1 6	16 58	1 55	8 34	0 49	18 16	0 1	9 19	17 28	1 40	1 52	0 15	17 38	5 50			
S 16	2 55	17 46	3 35	3 15	3 44	12 42	1 2	20 53	1 0	1 54	1 6	16 59	1 54	8 35	0 49	18 17	0 1	9 20	17 28	1 40	1 51	0 12	17 37	5 51			
M17	2 32	12 48	2 42	2 40	3 32	12 18	1 4	20 46	1 1	1 49	1 6	17 1	1 54	8 36	0 49	18 17	0 1	9 20	17 29	1 39	1 49	0 8	17 37	5 51			
T 18	2 9	7 24	1 43	2 3	3 19	11 54	1 6	20 38	1 2	1 44	1 6	17 2	1 54	8 37	0 49	18 17	0 1	9 21	17 29	1 39	1 48	0 5	17 36	5 52			
W19	1 45	1 46	0 39	1 24	3 5	11 29	1 8	20 31	1 2	1 39	1 6	17 3	1 54	8 38	0 49	18 18	0 1	9 21	17 29	1 38	1 47	0 1	17 36	5 52			
T 20	1 22	3s54	0s26	0 44	2 48	11 3	1 9	20 23	1 3	1 33	1 6	17 5	1 54	8 39	0 49	18 18	0 1	9 22	17 29	1 38	1 46	0s 2	17 35	5 53			
F 21	0 59	9 28	1 30	0 3	2 31	10 38	1 11	20 15	1 4	1 28	1 6	17 6	1 53	8 39	0 49	18 18	0 1	9 22	17 29	1 39	1 44	0 6	17 34	5 53			
S 22	0 35	14 43	2 31	0n38	2 12	10 12	1 13	20 7	1 5	1 23	1 6	17 7	1 53	8 40	0 49	18 18	0 1	9 23	17 29	1 39	1 43	0 9	17 34	5 54			
S 23	0 12	19 28	3 26	1 17	1 52	9 46	1 14	19 59	1 5	1 18	1 6	17 9	1 53	8 41	0 49	18 18	0 1	9 23	17 29	1 39	1 42	0 13	17 33	5 54			
M24	0s12	23 30	4 12	1 54	1 32	9 19	1 16	19 50	1 6	1 13	1 6	17 10	1 53	8 42	0 49	18 19	0 1	9 24	17 30	1 39	1 41	0 16	17 33	5 55			
T 25	0 35	26 33	4 48	2 28	1 12	8 52	1 17	19 42	1 7	1 8	1 6	17 11	1 53	8 43	0 49	18 19	0 1	9 24	17 30	1 39	1 39	0 20	17 32	5 56			
W26	0 58	28 21	5 10	2 58	0 52	8 25	1 18	19 34	1 8	1 3	1 6	17 13	1 53	8 44	0 49	18 19	0 1	9 25	17 30	1 39	1 38	0 23	17 32	5 56			
T 27	1 22	28 41	5 18	3 24	0 32	7 58	1 20	19 25	1 9	0 57	1 6	17 14	1 52	8 44	0 49	18 19	0 1	9 25	17 30	1 39	1 37	0 26	17 31	5 57			
F 28	1 45	27 22	5 9	3 45	0 13	7 31	1 21	19 16	1 9	0 52	1 6	17 16	1 52	8 45	0 48	18 20	0 1	9 26	17 30	1 39	1 35	0 30	17 30	5 57			
S 29	2 9	24 24	4 42	4 2	0n 5	7 3	1 22	19 8	1 10	0 47	1 6	17 17	1 52	8 46	0 48	18 20	0 1	9 26	17 30	1 39	1 34	0 33	17 30	5 58			
S 30	2s32	19s53	3s58	4n13	0n21	6n35	1n23	18n59	1n11	0n42	1n 6	17s19	1n52	8s47	0s48	18s20	0n 1	9s27	17s30	1n39	1n33	0s37	17n29	5s59			

ASTRODIENST EPHEMERIS for the year 1838
geocentric

OCTOBER 1838

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	0 37 8	7♌21'46	0♋28	20♊31	17♏47	10♏17	0♌59	25♏27	9♒26	7♒44	17♒6	4♑10	3♑50	2♌3	0♌28	M 1
T 2	0 41 4	8°20'50	15°25	21° 1	19° 2	10°53	1°12	25°32	9♋24	7♋43	17♑4	4°11	3°47	2°10	0°29	T 2
W 3	0 45 1	9°19'56	0♑34	21°40	20°16	11°28	1°25	25°38	9°22	7°43	17° 3	4°R11	3°44	2°17	0°29	W 3
T 4	0 48 57	10°19'04	15°47	22°28	21°31	12° 4	1°38	25°43	9°20	7°42	17° 2	4°11	3°41	2°23	0°30	T 4
F 5	0 52 54	11°18'13	0♌54	23°24	22°45	12°39	1°51	25°49	9°18	7°42	17° 1	4°10	3°38	2°30	0°30	F 5
S 6	0 56 50	12°17'25	15°46	24°27	24° 0	13°15	2° 4	25°55	9°16	7°41	17° 0	4° 9	3°35	2°37	0°31	S 6
S 7	1 0 47	13°16'40	0♏16	25°36	25°14	13°50	2°16	26° 1	9°14	7°41	16°59	4° 8	3°31	2°43	0°31	S 7
M 8	1 4 43	14°15'56	14°19	26°52	26°29	14°25	2°29	26° 7	9°12	7°40	16°57	4° 7	3°28	2°50	0°31	M 8
T 9	1 8 40	15°15'15	27°56	28°12	27°43	15° 1	2°42	26°12	9°10	7°40	16°56	4° 6	3°25	2°57	0°31	T 9
W10	1 12 36	16°14'37	11♌5	29°37	28°58	15°36	2°55	26°18	9° 9	7°40	16°55	4°D 6	3°22	3° 3	0°R31	W10
T 11	1 16 33	17°14'00	23°51	1♌5	0♌13	16°11	3° 8	26°24	9° 7	7°39	16°54	4° 6	3°19	3°10	0°31	T 11
F 12	1 20 30	18°13'26	6♏17	2°37	1°27	16°46	3°21	26°30	9° 5	7°39	16°53	4° 7	3°16	3°16	0°31	F 12
S 13	1 24 26	19°12'54	18°26	4°11	2°42	17°20	3°33	26°37	9° 4	7°39	16°52	4° 8	3°12	3°23	0°31	S 13
S 14	1 28 23	20°12'25	0♏25	5°47	3°57	17°55	3°46	26°43	9° 2	7°38	16°51	4° 9	3° 9	3°30	0°31	S 14
M15	1 32 19	21°11'57	12°16	7°25	5°12	18°30	3°59	26°49	9° 0	7°38	16°49	4°11	3° 6	3°36	0°30	M15
T 16	1 36 16	22°11'32	24° 3	9° 4	6°26	19° 4	4°11	26°55	8°59	7°38	16°48	4°12	3° 3	3°43	0°30	T 16
W17	1 40 12	23°11'09	5♌50	10°44	7°41	19°38	4°24	27° 1	8°57	7°38	16°47	4°R12	3° 0	3°50	0°29	W17
T 18	1 44 9	24°10'48	17°39	12°25	8°56	20°13	4°37	27° 8	8°56	7°38	16°46	4°11	2°56	3°56	0°29	T 18
F 19	1 48 5	25°10'29	29°32	14° 7	10°11	20°47	4°49	27°14	8°54	7°38	16°45	4° 9	2°53	4° 3	0°28	F 19
S 20	1 52 2	26°10'12	11♏32	15°48	11°26	21°21	5° 2	27°21	8°53	7°D38	16°44	4° 7	2°50	4°10	0°27	S 20
S 21	1 55 59	27° 9'57	23°40	17°30	12°41	21°55	5°14	27°27	8°52	7°38	16°43	4° 3	2°47	4°16	0°26	S 21
M22	1 59 55	28° 9'44	5♊58	19°12	13°56	22°29	5°27	27°34	8°50	7°38	16°41	3°59	2°44	4°23	0°25	M22
T 23	2 3 52	29° 9'32	18°28	20°54	15°11	23° 2	5°39	27°40	8°49	7°38	16°40	3°55	2°41	4°30	0°24	T 23
W24	2 7 48	0♏9'23	1♌12	22°36	16°26	23°36	5°52	27°47	8°48	7°38	16°39	3°52	2°37	4°36	0°23	W24
T 25	2 11 45	1° 9'15	14°11	24°17	17°41	24° 9	6° 4	27°53	8°47	7°38	16°38	3°49	2°34	4°43	0°22	T 25
F 26	2 15 41	2° 9'09	27°28	25°58	18°56	24°43	6°16	28° 0	8°45	7°38	16°37	3°D48	2°31	4°49	0°21	F 26
S 27	2 19 38	3° 9'05	11♌6	27°39	20°11	25°16	6°29	28° 7	8°44	7°39	16°36	3°48	2°28	4°56	0°19	S 27
S 28	2 23 34	4° 9'02	25° 4	29°19	21°26	25°49	6°41	28°13	8°43	7°39	16°35	3°49	2°25	5° 3	0°18	S 28
M29	2 27 31	5° 9'00	9♋22	0♏59	22°42	26°22	6°53	28°20	8°42	7°39	16°34	3°51	2°21	5° 9	0°16	M29
T 30	2 31 28	6° 9'00	24° 0	2°38	23°57	26°55	7° 5	28°27	8°41	7°39	16°33	3°52	2°18	5°16	0°15	T 30
W31	2 35 24	7♏9'02	8♑53	4♏17	25♌12	27♏28	7♌17	28♏33	8♋40	7♌40	16♑31	3°R52	2♑15	5♌23	0♌13	W31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓	♈	♉	♊	♋	♌
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	decl	lat
M 1	2s55	14s 4	2s57	4n20	0n37	6n 7	1n24	18n50	1n12	0n37	1n 6	17s20	1n52	8s47	0s48	18s20	0n 1	9s27	17s30	1n40	1n32	0s40	17n29	5s59			
T 2	3 19	7 20	1 42	4 21	0 51	5 39	1 25	18 41	1 12	0 32	1 6	17 22	1 51	8 48	0 48	18 20	0 1	9 28	17 30	1 40	1 30	0 44	17 28	6 0			
W 3	3 42	0 5	0 20	4 17	1 4	5 10	1 26	18 32	1 13	0 27	1 6	17 23	1 51	8 49	0 48	18 20	0 1	9 28	17 30	1 40	1 29	0 47	17 27	6 0			
T 4	4 5	7n12	1n 4	4 9	1 15	4 42	1 26	18 23	1 14	0 22	1 6	17 25	1 51	8 50	0 48	18 21	0 1	9 29	17 30	1 40	1 28	0 51	17 27	6 1			
F 5	4 29	14 2	2 23	3 56	1 25	4 13	1 27	18 13	1 15	0 16	1 6	17 26	1 51	8 50	0 48	18 21	0 1	9 29	17 30	1 40	1 27	0 54	17 26	6 1			
S 6	4 52	19 56	3 31	3 38	1 34	3 44	1 28	18 4	1 16	0 11	1 6	17 28	1 51	8 51	0 48	18 21	0 1	9 30	17 30	1 39	1 25	0 58	17 26	6 2			
S 7	5 15	24 31	4 24	3 17	1 41	3 15	1 28	17 55	1 16	0 6	1 6	17 29	1 51	8 52	0 48	18 21	0 1	9 30	17 30	1 39	1 24	1 1	17 25	6 3			
M 8	5 38	27 29	4 59	2 53	1 47	2 45	1 29	17 45	1 17	0 1	1 6	17 31	1 50	8 52	0 48	18 21	0 1	9 30	17 30	1 38	1 23	1 4	17 25	6 3			
T 9	6 1	28 42	5 15	2 25	1 51	2 16	1 29	17 36	1 18	0s 4	1 6	17 32	1 50	8 53	0 48	18 21	0 1	9 31	17 30	1 38	1 22	1 8	17 24	6 4			
W10	6 24	28 14	5 15	1 55	1 55	1 47	1 29	17 26	1 19	0 9	1 6	17 34	1 50	8 54	0 48	18 21	0 1	9 31	17 30	1 38	1 20	1 11	17 23	6 4			
T 11	6 46	26 15	4 59	1 22	1 57	1 17	1 30	17 16	1 20	0 14	1 6	17 35	1 50	8 54	0 48	18 21	0 1	9 32	17 30	1 38	1 19	1 15	17 23	6 5			
F 12	7 9	23 3	4 29	0 47	1 59	0 48	1 30	17 7	1 21	0 19	1 6	17 37	1 50	8 55	0 48	18 21	0 1	9 32	17 30	1 38	1 18	1 18	17 22	6 6			
S 13	7 32	18 55	3 47	0 10	1 59	0 18	1 30	16 57	1 21	0 24	1 6	17 38	1 50	8 55	0 48	18 22	0 1	9 33	17 30	1 39	1 17	1 22	17 22	6 6			
S 14	7 54	14 5	2 56	0s29	1 59	0s11	1 30	16 47	1 22	0 29	1 6	17 40	1 50	8 56	0 48	18 22	0 1	9 33	17 30	1 39	1 15	1 25	17 21	6 7			
M15	8 17	8 48	1 59	1 8	1 58	0 41	1 30	16 37	1 23	0 34	1 7	17 41	1 49	8 57	0 48	18 22	0 1	9 33	17 30	1 40	1 14	1 29	17 20	6 7			
T 16	8 39	3 13	0 56	1 49	1 56	1 11	1 30	16 27	1 24	0 39	1 7	17 43	1 49	8 57	0 48	18 22	0 1	9 34	17 30	1 40	1 13	1 32	17 20	6 8			
W17	9 1	2s27	0s 9	2 31	1 54	1 41	1 30	16 17	1 25	0 44	1 7	17 44	1 49	8 58	0 48	18 22	0 1	9 34	17 30	1 40	1 11	1 36	17 19	6 8			
T 18	9 23	8 4	1 14	3 13	1 51	2 10	1 30	16 7	1 26	0 49	1 7	17 46	1 49	8 58	0 48	18 22	0 1	9 35	17 30	1 40	1 10	1 39	17 19	6 9			
F 19	9 45	13 26	2 15	3 55	1 47	2 40	1 29	15 57	1 26	0 54	1 7	17 48	1 49	8 59	0 48	18 22	0 1	9 35	17 30	1 39	1 9	1 42	17 18	6 10			
S 20	10 7	18 20	3 12	4 38	1 43	3 10	1 29	15 47	1 27	0 59	1 7	17 49	1 49	8 59	0 48	18 22	0 1	9 35	17 30	1 38	1 8	1 46	17 18	6 10			
S 21	10 28	22 35	4 0	5 21	1 39	3 39	1 29	15 36	1 28	1 4	1 7	17 51	1 49	9 0	0 48	18 22	0 1	9 36	17 30	1 37	1 6	1 49	17 17	6 11			
M22	10 50	25 53	4 37	6 4	1 34	4 9	1 28	15 26	1 29	1 8	1 7	17 52	1 48	9 0	0 48	18 22	0 1	9 36	17 30	1 35	1 5	1 53	17 16	6 11			
T 23	11 11	27 59	5 3	6 47	1 29	4 38	1 28	15 16	1 30	1 13	1 7	17 54	1 48	9 1	0 48	18 22	0 1	9 36	17 30	1 34	1 4	1 56	17 16	6 12			
W24	11 32	28 41	5 14	7 30	1 24	5 8	1 27	15 6	1 31	1 18	1 7	17 56	1 48	9 1	0 48	18 22	0 1	9 37	17 30	1 32	1 3	2 0	17 15	6 12			
T 25	11 53	27 49	5 9	8 13	1 18	5 37	1 26	14 55	1 32	1 23	1 7	17 57	1 48	9 2	0 48	18 22	0 1	9 37	17 30	1 31	1 1	2 3	17 15	6 13			
F 26	12 14	25 23	4 48	8 55	1 13	6 6	1 26	14 45	1 32	1 28	1 7	17 59	1 48	9 2	0 48	18 22	0 1	9 37	17 30	1 31	1 0	2 7	17 14	6 14			
S 27	12 35	21 28	4 10	9 37	1 7	6 35	1 25	14 35	1 33	1 32	1 7	18 0	1 48	9 2	0 48	18 22	0 1	9 38	17 29	1 31	0 59	2 10	17 14	6 14			
S 28	12 55	16 16	3 17	10 18	1 0	7 4	1 24	14 24	1 34	1 37	1 8	18 2	1 48	9 3	0 48	18 22	0 1	9 38	17 29	1 31	0 58	2 13	17 13	6 15			
M29	13 15	10 4	2 10	10 59	0 54	7 33	1 23	14 14	1 35	1 42	1 8	18 3	1 48	9 3	0 48	18 22	0 1	9 38	17 29	1 32	0 56	2 17	17 13	6 15			
T 30	13 35	3 12	0 54	11 39	0 48	8 2	1 22	14 3	1 36	1 47	1 8	18 5	1 48	9 3	0 48	18 22	0 1	9 38	17 29	1 32	0 55	2 20	17 12	6 16			
W31	13s55	3n57	0n27	12s19	0n41	8s30	1n21	13n53	1n37	1s51	1n 8	18s 7	1n47	9s 4	0s48	18s21	0n 1	9s39	17s29	1n32	0n54	2s24	17n12	6s16			

ASTRODIENST EPHEMERIS for the year 1838

geocentric

NOVEMBER 1838

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 39 21	8♈ 9'06	23♈54	5♈56	26♈27	28♈ 1	7♈29	28♈40	8♈R39	7♈40	16♈R30	3♈R51	2♈Y12	5♈29	0♈R11	T 1	
F 2	2 43 17	9° 9'11	8♈55	7°34	27°42	28°33	7°41	28°47	8♈K39	7°41	16♈Y29	3♈Y48	2° 9	5°36	0♈S10	F 2	
S 3	2 47 14	10° 9'18	23°47	9°12	28°57	29° 5	7°53	28°54	8°38	7°41	16°28	3°43	2° 6	5°43	0° 8	S 3	
S 4	2 51 10	11° 9'28	8♈I21	10°49	0♈13	29°38	8° 5	29° 1	8°37	7°42	16°27	3°37	2° 2	5°49	0° 6	S 4	
M 5	2 55 7	12° 9'39	22°33	12°26	1°28	0♈10	8°17	29° 8	8°36	7°42	16°26	3°31	1°59	5°56	0° 4	M 5	
T 6	2 59 3	13° 9'52	6♈17	14° 3	2°43	0°42	8°29	29°15	8°36	7°43	16°25	3°26	1°56	6° 3	0° 2	T 6	
W 7	3 3 0	14°10'07	19°34	15°39	3°58	1°14	8°40	29°22	8°35	7°43	16°24	3°21	1°53	6° 9	29♈I59	W 7	
T 8	3 6 57	15°10'24	2♈24	17°15	5°14	1°45	8°52	29°29	8°35	7°44	16°23	3°19	1°50	6°16	29°57	T 8	
F 9	3 10 53	16°10'43	14°51	18°51	6°29	2°17	9° 4	29°36	8°34	7°44	16°22	3°D18	1°47	6°22	29°55	F 9	
S 10	3 14 50	17°11'04	27° 1	20°26	7°44	2°48	9°15	29°43	8°34	7°45	16°21	3°18	1°43	6°29	29°52	S 10	
S 11	3 18 46	18°11'27	8♈57	22° 1	9° 0	3°20	9°27	29°50	8°33	7°46	16°20	3°19	1°40	6°36	29°50	S 11	
M12	3 22 43	19°11'52	20°46	23°35	10°15	3°51	9°38	29°57	8°33	7°47	16°19	3°21	1°37	6°42	29°47	M12	
T 13	3 26 39	20°12'19	2♈33	25° 9	11°30	4°22	9°49	0♈ 4	8°33	7°47	16°18	3°R22	1°34	6°49	29°45	T 13	
W14	3 30 36	21°12'47	14°20	26°43	12°46	4°53	10° 0	0°11	8°32	7°48	16°17	3°21	1°31	6°56	29°42	W14	
T 15	3 34 32	22°13'18	26°14	28°17	14° 1	5°23	10°12	0°18	8°32	7°49	16°17	3°18	1°27	7° 2	29°39	T 15	
F 16	3 38 29	23°13'50	8♈15	29°51	15°17	5°54	10°23	0°25	8°32	7°50	16°16	3°13	1°24	7° 9	29°37	F 16	
S 17	3 42 26	24°14'23	20°27	1♈24	16°32	6°24	10°34	0°32	8°32	7°51	16°15	3° 5	1°21	7°16	29°34	S 17	
S 18	3 46 22	25°14'58	2♈50	2°57	17°47	6°54	10°45	0°39	8°D32	7°52	16°14	2°56	1°18	7°22	29°31	S 18	
M19	3 50 19	26°15'35	15°26	4°30	19° 3	7°24	10°56	0°46	8°32	7°53	16°13	2°46	1°15	7°29	29°28	M19	
T 20	3 54 15	27°16'13	28°14	6° 2	20°18	7°54	11° 6	0°53	8°32	7°54	16°12	2°36	1°12	7°36	29°25	T 20	
W21	3 58 12	28°16'53	11♈13	7°35	21°34	8°24	11°17	1° 0	8°32	7°55	16°11	2°26	1° 8	7°42	29°22	W21	
T 22	4 2 8	29°17'33	24°25	9° 7	22°49	8°53	11°28	1° 8	8°32	7°56	16°11	2°19	1° 5	7°49	29°19	T 22	
F 23	4 6 5	0♈18'15	7♈49	10°39	24° 5	9°22	11°38	1°15	8°33	7°57	16°10	2°14	1° 2	7°56	29°16	F 23	
S 24	4 10 2	1°18'58	21°26	12°11	25°20	9°52	11°49	1°22	8°33	7°58	16° 9	2°12	0°59	8° 2	29°12	S 24	
S 25	4 13 58	2°19'42	5♈16	13°43	26°36	10°20	11°59	1°29	8°33	7°59	16° 8	2°D12	0°56	8° 9	29° 9	S 25	
M26	4 17 55	3°20'26	19°19	15°14	27°51	10°49	12° 9	1°36	8°33	8° 1	16° 8	2°12	0°53	8°15	29° 6	M26	
T 27	4 21 51	4°21'12	3♈Y36	16°46	29° 7	11°18	12°20	1°43	8°34	8° 2	16° 7	2°R13	0°49	8°22	29° 2	T 27	
W28	4 25 48	5°21'59	18° 5	18°17	0♈22	11°46	12°30	1°50	8°34	8° 3	16° 6	2°12	0°46	8°29	28°59	W28	
T 29	4 29 44	6°22'46	2♈41	19°48	1°37	12°14	12°40	1°57	8°35	8° 4	16° 5	2° 8	0°43	8°35	28°55	T 29	
F 30	4 33 41	7°23'35	17♈20	21♈18	2♈53	12♈42	12♈50	2♈ 5	8♈K35	8≈ 6	16♈Y 5	2♈Y 2	0♈Y40	8♈42	28♈I52	F 30	

Day	☉	☾		♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
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ASTRODIENST EPHEMERIS for the year 1838
geocentric

DECEMBER 1838

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 37 37	8°24'25	111°55	22°49	4°8	13°9	12°59	2°12	8°36	8°7	16°R 4	1°R53	0°Y37	8°49	28°R48	S 1
S 2	4 41 34	9°25'16	16°19	24°19	5°24	13°37	13° 9	2°19	8°37	8° 8	16°Y 4	1°Y43	0°33	8°55	28°II45	S 2
M 3	4 45 31	10°26'08	0°25	25°48	6°39	14° 4	13°19	2°26	8°38	8°10	16° 3	1°31	0°30	9° 2	28°41	M 3
T 4	4 49 27	11°27'01	14° 9	27°17	7°55	14°31	13°28	2°33	8°38	8°11	16° 2	1°20	0°27	9° 9	28°38	T 4
W 5	4 53 24	12°27'55	27°27	28°46	9°10	14°58	13°38	2°40	8°39	8°13	16° 2	1°11	0°24	9°15	28°34	W 5
T 6	4 57 20	13°28'51	10°12	0°14	10°26	15°24	13°47	2°47	8°40	8°14	16° 1	1° 4	0°21	9°22	28°30	T 6
F 7	5 1 17	14°29'47	22°51	1°41	11°41	15°51	13°56	2°54	8°41	8°16	16° 1	0°59	0°18	9°29	28°26	F 7
S 8	5 5 13	15°30'45	5°17	3° 7	12°57	16°17	14° 5	3° 1	8°42	8°17	16° 0	0°57	0°14	9°35	28°23	S 8
S 9	5 9 10	16°31'44	17° 0	4°33	14°12	16°42	14°14	3° 8	8°43	8°19	16° 0	0°D56	0°11	9°42	28°19	S 9
M10	5 13 6	17°32'44	28°50	5°57	15°28	17° 8	14°23	3°15	8°44	8°20	15°59	0°R57	0° 8	9°49	28°15	M10
T 11	5 17 3	18°33'45	10°13	7°19	16°43	17°33	14°32	3°22	8°45	8°22	15°59	0°56	0° 5	9°55	28°11	T 11
W12	5 21 0	19°34'48	22°26	8°40	17°59	17°58	14°40	3°29	8°46	8°23	15°58	0°54	0° 2	10° 2	28° 7	W12
T 13	5 24 56	20°35'51	4°12	9°59	19°14	18°23	14°49	3°36	8°48	8°25	15°58	0°50	29°X59	10° 8	28° 3	T 13
F 14	5 28 53	21°36'55	16°32	11°16	20°30	18°47	14°57	3°43	8°49	8°27	15°58	0°43	29°55	10°15	28° 0	F 14
S 15	5 32 49	22°38'00	28°55	12°30	21°46	19°11	15° 5	3°50	8°50	8°29	15°57	0°33	29°52	10°22	27°56	S 15
S 16	5 36 46	23°39'06	11°13	13°41	23° 1	19°35	15°14	3°57	8°52	8°30	15°57	0°20	29°49	10°28	27°52	S 16
M17	5 40 42	24°40'12	24°28	14°48	24°17	19°59	15°22	4° 3	8°53	8°32	15°56	0° 6	29°46	10°35	27°48	M17
T 18	5 44 39	25°41'19	7°39	15°51	25°32	20°22	15°29	4°10	8°54	8°34	15°56	29°X53	29°43	10°42	27°44	T 18
W19	5 48 35	26°42'27	21° 2	16°49	26°48	20°45	15°37	4°17	8°56	8°36	15°56	29°40	29°39	10°48	27°40	W19
T 20	5 52 32	27°43'35	4°37	17°41	28° 3	21° 7	15°45	4°24	8°58	8°37	15°56	29°30	29°36	10°55	27°36	T 20
F 21	5 56 29	28°44'43	18°20	18°27	29°19	21°30	15°52	4°31	8°59	8°39	15°55	29°23	29°33	11° 2	27°32	F 21
S 22	6 0 25	29°45'51	2°11	19° 6	0°34	21°52	16° 0	4°37	9° 1	8°41	15°55	29°18	29°30	11° 8	27°28	S 22
S 23	6 4 22	0°34'00	16° 6	19°37	1°50	22°13	16° 7	4°44	9° 3	8°43	15°55	29°17	29°27	11°15	27°24	S 23
M24	6 8 18	1°48'08	0°Y 7	19°58	3° 5	22°34	16°14	4°51	9° 4	8°45	15°55	29°16	29°24	11°22	27°20	M24
T 25	6 12 15	2°49'16	14°12	20°10	4°21	22°55	16°21	4°57	9° 6	8°47	15°55	29°16	29°20	11°28	27°16	T 25
W26	6 16 11	3°50'25	28°21	20°R10	5°36	23°16	16°27	5° 4	9° 8	8°49	15°55	29°15	29°17	11°35	27°12	W26
T 27	6 20 8	4°51'33	12°33	20° 0	6°52	23°36	16°34	5°10	9°10	8°51	15°54	29°11	29°14	11°42	27° 9	T 27
F 28	6 24 4	5°52'41	26°44	19°37	8° 7	23°56	16°41	5°17	9°12	8°53	15°54	29° 4	29°11	11°48	27° 5	F 28
S 29	6 28 1	6°53'50	10°II52	19° 3	9°23	24°15	16°47	5°23	9°14	8°55	15°54	28°54	29° 8	11°55	27° 1	S 29
S 30	6 31 58	7°54'58	24°51	18°17	10°38	24°34	16°53	5°30	9°16	8°57	15°54	28°42	29° 5	12° 2	26°57	S 30
M31	6 35 54	8°56'07	8°37	17°21	11°35	24°53	16°59	5°36	9°18	8°59	15°D54	28°X29	29°X 1	12° 8	26°II53	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	21s44	24n51	4n23	25s28	2s12	20s35	0n25	8n35	2n 8	4s 2	1n12	18s54	1n45	9s 4	0s46	18s15
S 2	21 53	27 36	4 52	25 34	2 14	20 51	0 23	8 26	2 9	4 5	1 12	18 55	1 45	9 4	0 46	18 15
M 3	22 2	28 30	5 2	25 40	2 16	21 6	0 21	8 16	2 10	4 9	1 12	18 57	1 45	9 4	0 46	18 14
T 4	22 11	27 36	4 55	25 44	2 18	21 21	0 18	8 7	2 11	4 13	1 12	18 58	1 45	9 3	0 46	18 14
W 5	22 19	25 8	4 32	25 46	2 19	21 35	0 16	7 57	2 12	4 16	1 13	18 59	1 45	9 3	0 46	18 13
T 6	22 26	21 26	3 55	25 48	2 20	21 49	0 13	7 48	2 13	4 19	1 13	19 1	1 45	9 2	0 46	18 13
F 7	22 34	16 52	3 8	25 47	2 20	22 2	0 11	7 39	2 14	4 23	1 13	19 2	1 45	9 2	0 46	18 13
S 8	22 40	11 44	2 13	25 45	2 20	22 14	0 9	7 30	2 15	4 26	1 13	19 4	1 45	9 2	0 46	18 12
S 9	22 47	6 16	1 13	25 42	2 19	22 25	0 6	7 21	2 17	4 29	1 13	19 5	1 45	9 1	0 46	18 12
M10	22 53	0 38	0 11	25 37	2 18	22 36	0 4	7 12	2 18	4 33	1 14	19 6	1 45	9 1	0 46	18 11
T 11	22 58	4s59	0s51	25 31	2 16	22 46	0 2	7 3	2 19	4 36	1 14	19 8	1 45	9 0	0 46	18 11
W12	23 3	10 28	1 51	25 23	2 13	22 56	0s 1	6 55	2 20	4 39	1 14	19 9	1 45	9 0	0 46	18 11
T 13	23 8	15 37	2 47	25 14	2 9	23 5	0 3	6 46	2 21	4 42	1 14	19 10	1 45	8 59	0 46	18 10
F 14	23 12	20 15	3 36	25 4	2 5	23 13	0 6	6 37	2 22	4 45	1 14	19 11	1 45	8 59	0 46	18 10
S 15	23 15	24 6	4 16	24 52	2 0	23 20	0 8	6 29	2 24	4 48	1 15	19 13	1 45	8 58	0 46	18 9
S 16	23 19	26 53	4 44	24 39	1 54	23 27	0 10	6 21	2 25	4 51	1 15	19 14	1 45	8 58	0 46	18 9
M17	23 21	28 19	4 58	24 25	1 47	23 33	0 13	6 13	2 26	4 54	1 15	19 15	1 45	8 57	0 46	18 9
T 18	23 24	28 11	4 57	24 10	1 39	23 38	0 15	6 5	2 27	4 57	1 15	19 16	1 45	8 57	0 46	18 8
W19	23 25	26 25	4 40	23 54	1 30	23 43	0 18	5 57	2 29	5 0	1 15	19 18	1 45	8 56	0 46	18 8
T 20	23 27	23 6	4 6	23 37	1 20	23 47	0 20	5 49	2 30	5 2	1 16	19 19	1 45	8 55	0 46	18 7
F 21	23 27	18 29	3 18	23 20	1 9	23 50	0 22	5 41	2 31	5 5	1 16	19 20	1 45	8 55	0 46	18 7
S 22	23 28	12 51	2 18	23 2	0 57	23 52	0 25	5 34	2 32	5 8	1 16	19 21	1 45	8 54	0 46	18 6
S 23	23 28	6 33	1 9	22 44	0 43	23 54	0 27	5 27	2 35	5 10	1 16	19 23	1 45	8 53	0 46	18 6
M24	23 27	0n 7	0n 4	22 26	0 28	23 55	0 29	5 19	2 35	5 13	1 16	19 24	1 45	8 53	0 45	18 5
T 25	23 26	6 48	1 18	22 9	0 12	23 55	0 31	5 12	2 36	5 15	1 17	19 25	1 45	8 52	0 45	18 5
W26	23 24	13 11	2 27	21 52	0n 5	23 54	0 34	5 5	2 38	5 18	1 17	19 26	1 46	8 51	0 45	18 4
T 27	23 22	18 54	3 27	21 35	0 23	23 53	0 36	4 59	2 39	5 20	1 17	19 27	1 46	8 51	0 45	18 4
F 28	23 20	23 34	4 14	21 20	0 42	23 51	0 38	4 52	2 40	5 22	1 17	19 28	1 46	8 50	0 45	18 3
S 29	23 17	26 49	4 46	21 5	1 2	23 48	0 40	4 46	2 42	5 24	1 18	19 29	1 46	8 49	0 45	18 3
S 30	23 14	28 21	5 0	20 52	1 21	23 44	0 42	4 39	2 43	5 27	1 18	19 30	1 46	8 48	0 45	18 2
M31	23s10	28n 6	4n56	20s40	1n41	23s40	0s44	4n33	2n44	5s29	1n18	19s31	1n46	8s47	0s45	18s 2

Julian Day Number = 2392709.5, Delta T = 7.67 sec
Ecliptic obliquity = 23°27'45, Nutation = -0°00'01, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°29'27, Lahiri = 21°36'28