



Astrodienst Ephemeris Tables for the year 1823

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 1823
geocentric

JANUARY 1823

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 39 22	9°50'12	1♈ 3	8°36	11°48	28°22	27°R15	3°R18	7°38	5°8	28°57	7°3	8°26	21°22	5°49	W 1
T 2	6 43 19	10°51'21	14°45	10°13	13° 3	29° 9	27°B11	3°B18	7°42	5°11	28°58	7° 5	8°23	21°29	5°50	T 2
F 3	6 47 15	11°52'30	28° 0	11°50	14°19	29°56	27° 7	3°17	7°46	5°13	28°58	7° 6	8°20	21°36	5°50	F 3
S 4	6 51 12	12°53'40	10°50	13°27	15°34	0°44	27° 4	3°17	7°49	5°15	28°59	7°R 7	8°17	21°42	5°51	S 4
S 5	6 55 8	13°54'49	23°20	15° 5	16°50	1°31	27° 0	3°D17	7°53	5°17	28°59	7° 6	8°13	21°49	5°52	S 5
M 6	6 59 5	14°55'59	5°34	16°43	18° 5	2°18	26°57	3°17	7°56	5°20	29° 0	7° 5	8°10	21°56	5°53	M 6
T 7	7 3 1	15°57'08	17°37	18°21	19°21	3° 5	26°54	3°17	8° 0	5°22	29° 0	7° 2	8° 7	22° 2	5°55	T 7
W 8	7 6 58	16°58'18	29°31	20° 0	20°36	3°52	26°51	3°17	8° 3	5°24	29° 1	6°59	8° 4	22° 9	5°56	W 8
T 9	7 10 54	17°59'28	11°22	21°39	21°51	4°40	26°48	3°18	8° 7	5°26	29° 1	6°56	8° 1	22°16	5°57	T 9
F 10	7 14 51	19° 0'37	23°11	23°19	23° 7	5°27	26°46	3°18	8°11	5°29	29° 2	6°53	7°58	22°22	5°58	F 10
S 11	7 18 48	20° 1'47	5°3	24°59	24°22	6°14	26°44	3°19	8°14	5°31	29° 3	6°50	7°54	22°29	6° 0	S 11
S 12	7 22 44	21° 2'56	16°56	26°40	25°38	7° 1	26°42	3°19	8°18	5°33	29° 3	6°48	7°51	22°36	6° 1	S 12
M13	7 26 41	22° 4'04	28°55	28°21	26°53	7°49	26°40	3°20	8°21	5°35	29° 4	6°47	7°48	22°42	6° 2	M13
T 14	7 30 37	23° 5'12	11°2	0°2	28° 9	8°36	26°38	3°21	8°25	5°38	29° 5	6°D47	7°45	22°49	6° 4	T 14
W15	7 34 34	24° 6'20	23°18	1°44	29°24	9°23	26°37	3°22	8°28	5°40	29° 6	6°48	7°42	22°56	6° 5	W15
T 16	7 38 30	25° 7'27	5°44	3°26	0°40	10°11	26°35	3°23	8°32	5°42	29° 6	6°49	7°39	23° 2	6° 7	T 16
F 17	7 42 27	26° 8'33	18°24	5° 8	1°55	10°58	26°34	3°24	8°35	5°44	29° 7	6°50	7°35	23° 9	6° 9	F 17
S 18	7 46 24	27° 9'38	1°19	6°50	3°10	11°46	26°33	3°26	8°39	5°46	29° 8	6°51	7°32	23°16	6°10	S 18
S 19	7 50 20	28°10'42	14°31	8°32	4°26	12°33	26°33	3°27	8°42	5°48	29° 9	6°51	7°29	23°23	6°12	S 19
M20	7 54 17	29°11'45	28° 2	10°15	5°41	13°20	26°32	3°29	8°45	5°50	29°10	6°R52	7°26	23°29	6°14	M20
T 21	7 58 13	0°12'48	11°55	11°57	6°56	14° 8	26°D32	3°31	8°49	5°53	29°10	6°52	7°23	23°36	6°16	T 21
W22	8 2 10	1°13'49	26° 8	13°38	8°12	14°55	26°32	3°32	8°52	5°55	29°11	6°51	7°19	23°43	6°18	W22
T 23	8 6 6	2°14'49	10°11	15°19	9°27	15°43	26°32	3°34	8°56	5°57	29°12	6°51	7°16	23°49	6°20	T 23
F 24	8 10 3	3°15'49	25°25	17° 0	10°42	16°30	26°33	3°36	8°59	5°59	29°13	6°50	7°13	23°56	6°22	F 24
S 25	8 13 59	4°16'47	10°20	18°39	11°58	17°18	26°33	3°38	9° 2	6° 1	29°14	6°50	7°10	24° 3	6°24	S 25
S 26	8 17 56	5°17'44	25°16	20°17	13°13	18° 5	26°34	3°41	9° 6	6° 3	29°15	6°50	7° 7	24° 9	6°26	S 26
M27	8 21 53	6°18'40	10°5	21°53	14°28	18°52	26°35	3°43	9° 9	6° 5	29°16	6°50	7° 4	24°16	6°28	M27
T 28	8 25 49	7°19'35	24°39	23°27	15°43	19°40	26°37	3°45	9°12	6° 7	29°17	6°50	7° 0	24°23	6°30	T 28
W29	8 29 46	8°20'29	8°13	24°59	16°59	20°27	26°38	3°48	9°16	6° 9	29°18	6°50	6°57	24°29	6°32	W29
T 30	8 33 42	9°21'23	22°42	26°27	18°14	21°15	26°40	3°51	9°19	6°11	29°19	6°49	6°54	24°36	6°34	T 30
F 31	8 37 39	10°22'15	6°6	27°52	19°29	22°2	26°41	3°53	9°22	6°13	29°20	6°49	6°51	24°43	6°37	F 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
W 1	23s 6	9n 7	2s 8	24s53	1s42	23s39	0s43	21s36	1s 7	18n44	0s52	10n16	2s30	23s33	0s18	22s23
T 2	23 1	3 3	3 13	24 50	1 46	23 34	0 45	21 26	1 7	18 43	0 52	10 16	2 30	23 33	0 18	22 22
F 3	22 56	2s56	4 5	24 45	1 49	23 28	0 47	21 17	1 7	18 42	0 51	10 16	2 30	23 32	0 18	22 22
S 4	22 50	8 37	4 42	24 39	1 53	23 22	0 49	21 6	1 7	18 42	0 51	10 17	2 29	23 32	0 18	22 22
S 5	22 44	13 48	5 6	24 31	1 56	23 14	0 51	20 56	1 7	18 41	0 51	10 17	2 29	23 32	0 18	22 22
M 6	22 38	18 20	5 15	24 22	1 58	23 7	0 53	20 45	1 7	18 41	0 50	10 17	2 29	23 32	0 18	22 22
T 7	22 31	22 3	5 9	24 12	2 0	22 58	0 54	20 34	1 7	18 40	0 50	10 18	2 29	23 32	0 18	22 22
W 8	22 23	24 48	4 51	23 59	2 2	22 49	0 56	20 23	1 7	18 40	0 50	10 18	2 28	23 31	0 18	22 22
T 9	22 15	26 27	4 20	23 46	2 4	22 39	0 58	20 12	1 7	18 39	0 50	10 18	2 28	23 31	0 18	22 22
F 10	22 7	26 55	3 38	23 30	2 5	22 28	1 0	20 0	1 7	18 39	0 49	10 19	2 28	23 31	0 18	22 22
S 11	21 58	26 9	2 47	23 13	2 6	22 17	1 2	19 49	1 7	18 39	0 49	10 19	2 27	23 31	0 18	22 22
S 12	21 49	24 10	1 48	22 55	2 6	22 5	1 3	19 37	1 7	18 39	0 49	10 20	2 27	23 31	0 18	22 22
M13	21 39	21 6	0 43	22 34	2 6	21 52	1 5	19 25	1 7	18 38	0 49	10 20	2 27	23 30	0 18	22 21
T 14	21 29	17 6	0n24	22 13	2 6	21 38	1 7	19 12	1 7	18 38	0 48	10 21	2 26	23 30	0 18	22 21
W15	21 19	12 21	1 30	21 49	2 5	21 24	1 8	18 59	1 7	18 38	0 48	10 21	2 26	23 30	0 18	22 21
T 16	21 8	7 2	2 34	21 24	2 3	21 10	1 10	18 47	1 6	18 38	0 48	10 22	2 26	23 30	0 18	22 21
F 17	20 57	1 21	3 31	20 58	2 1	20 55	1 11	18 34	1 6	18 38	0 48	10 23	2 26	23 29	0 18	22 21
S 18	20 45	4n28	4 19	20 30	1 59	20 39	1 13	18 20	1 6	18 38	0 47	10 24	2 25	23 29	0 18	22 21
S 19	20 33	10 14	4 54	20 0	1 55	20 22	1 14	18 7	1 6	18 38	0 47	10 24	2 25	23 29	0 18	22 21
M20	20 20	15 40	5 14	19 29	1 52	20 5	1 15	17 53	1 6	18 39	0 47	10 25	2 25	23 29	0 18	22 21
T 21	20 8	20 26	5 16	18 57	1 47	19 47	1 16	17 39	1 6	18 39	0 47	10 26	2 24	23 29	0 18	22 21
W22	19 54	24 9	5 0	18 23	1 42	19 29	1 18	17 25	1 6	18 39	0 46	10 27	2 24	23 28	0 18	22 21
T 23	19 41	26 25	4 24	17 48	1 37	19 10	1 19	17 11	1 6	18 39	0 46	10 28	2 24	23 28	0 18	22 21
F 24	19 27	26 53	3 30	17 11	1 30	18 51	1 20	16 57	1 6	18 40	0 46	10 29	2 24	23 28	0 19	22 20
S 25	19 13	25 25	2 22	16 34	1 23	18 31	1 21	16 42	1 5	18 40	0 46	10 30	2 23	23 28	0 19	22 20
S 26	18 58	22 9	1 4	15 55	1 15	18 10	1 22	16 28	1 5	18 40	0 45	10 31	2 23	23 28	0 19	22 20
M27	18 43	17 27	0s18	15 16	1 6	17 50	1 23	16 13	1 5	18 41	0 45	10 32	2 23	23 27	0 19	22 20
T 28	18 28	11 47	1 37	14 36	0 57	17 28	1 24	15 58	1 5	18 41	0 45	10 33	2 22	23 27	0 19	22 20
W29	18 12	5 38	2 49	13 56	0 46	17 6	1 24	15 42	1 5	18 42	0 45	10 34	2 22	23 27	0 19	22 20
T 30	17 56	0s36	3 48	13 15	0 35	16 44	1 25	15 27	1 5	18 43	0 44	10 35	2 22	23 27	0 19	22 20
F 31	17s40	6s36	4s33	12s35	0s23	16s21	1s26	15s12	1s 4	18n43	0s44	10n36	2s22	23s27	0s19	22s20

Julian Day Number = 2386896.5, Delta T = 15.44 sec
Ecliptic obliquity = 23°27'50, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°16'08, Lahiri = 21°23'08

ASTRODIENST EPHEMERIS for the year 1823

geocentric

FEBRUARY 1823

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 41 35	11 ²³ 07	19 ⁴	29 ¹²	20 ⁴⁴	22 ⁵⁰	26 ⁴³	3 ⁵⁶	9 ²⁵	6 ¹⁵	29 ²¹	6 ^{R49}	6 ⁴⁸	24 ⁴⁹	6 ³⁹	S 1
S 2	8 45 32	12 ²³ 58	1 ⁴⁰	0 ²⁸	22° 0	23°37	26°46	3°59	9°28	6°17	29°22	6 ⁴⁸	6°45	24°56	6°42	S 2
M 3	8 49 28	13°24'47	13°58	1°37	23°15	24°25	26°48	4° 2	9°32	6°19	29°23	6°D48	6°41	25° 3	6°44	M 3
T 4	8 53 25	14°25'37	26° 2	2°40	24°30	25°12	26°51	4° 5	9°35	6°21	29°24	6°48	6°38	25° 9	6°46	T 4
W 5	8 57 22	15°26'25	7 ⁵⁶	3°36	25°45	25°59	26°54	4° 9	9°38	6°23	29°26	6°49	6°35	25°16	6°49	W 5
T 6	9 1 18	16°27'12	19°45	4°24	27° 0	26°47	26°57	4°12	9°41	6°24	29°27	6°50	6°32	25°23	6°51	T 6
F 7	9 5 15	17°27'58	1 ³⁴	5° 2	28°15	27°34	27° 0	4°15	9°44	6°26	29°28	6°51	6°29	25°29	6°54	F 7
S 8	9 9 11	18°28'43	13°27	5°32	29°30	28°22	27° 3	4°19	9°47	6°28	29°29	6°52	6°25	25°36	6°57	S 8
S 9	9 13 8	19°29'27	25°26	5°51	0 ⁴⁶	29° 9	27° 7	4°23	9°50	6°30	29°30	6°53	6°22	25°43	6°59	S 9
M10	9 17 4	20°30'10	7 ³⁵	6°R 0	2° 1	29°57	27°11	4°26	9°53	6°32	29°31	6°R53	6°19	25°50	7° 2	M10
T 11	9 21 1	21°30'51	19°56	5°58	3°16	0 ⁴⁴	27°15	4°30	9°56	6°33	29°33	6°53	6°16	25°56	7° 5	T 11
W12	9 24 57	22°31'31	2 ²⁹	5°46	4°31	1°32	27°19	4°34	9°59	6°35	29°34	6°51	6°13	26° 3	7° 8	W12
T 13	9 28 54	23°32'09	15°16	5°23	5°46	2°19	27°23	4°38	10° 1	6°37	29°35	6°49	6°10	26°10	7°10	T 13
F 14	9 32 51	24°32'45	28°16	4°50	7° 1	3° 6	27°28	4°42	10° 4	6°39	29°36	6°47	6° 6	26°16	7°13	F 14
S 15	9 36 47	25°33'20	11°Y30	4° 9	8°16	3°54	27°32	4°46	10° 7	6°40	29°38	6°44	6° 3	26°23	7°16	S 15
S 16	9 40 44	26°33'54	24°57	3°19	9°31	4°41	27°37	4°51	10°10	6°42	29°39	6°41	6° 0	26°30	7°19	S 16
M17	9 44 40	27°34'25	8 ³⁶	2°23	10°46	5°29	27°42	4°55	10°13	6°43	29°40	6°39	5°57	26°36	7°22	M17
T 18	9 48 37	28°34'55	22°28	1°22	12° 1	6°16	27°47	4°59	10°15	6°45	29°41	6°D38	5°54	26°43	7°25	T 18
W19	9 52 33	29°35'23	6 ³²	0°17	13°16	7° 3	27°53	5° 4	10°18	6°47	29°43	6°38	5°51	26°50	7°28	W19
T 20	9 56 30	0 ³⁵ 49	20°45	29 ¹⁰	14°30	7°51	27°58	5° 9	10°20	6°48	29°44	6°39	5°47	26°56	7°31	T 20
F 21	10 0 26	1°36'13	5 ⁷	28° 4	15°45	8°38	28° 4	5°13	10°23	6°50	29°45	6°41	5°44	27° 3	7°34	F 21
S 22	10 4 23	2°36'35	19°34	26°59	17° 0	9°25	28°10	5°18	10°26	6°51	29°47	6°42	5°41	27°10	7°37	S 22
S 23	10 8 20	3°36'55	4 ²	25°57	18°15	10°12	28°16	5°23	10°28	6°53	29°48	6°R43	5°38	27°16	7°40	S 23
M24	10 12 16	4°37'14	18°27	25° 0	19°30	11° 0	28°22	5°28	10°31	6°54	29°50	6°43	5°35	27°23	7°43	M24
T 25	10 16 13	5°37'30	2 ⁴³	24° 7	20°44	11°47	28°29	5°33	10°33	6°55	29°51	6°41	5°31	27°30	7°46	T 25
W26	10 20 9	6°37'45	16°45	23°21	21°59	12°34	28°35	5°38	10°35	6°57	29°52	6°37	5°28	27°36	7°50	W26
T 27	10 24 6	7°37'58	0 ²⁸	22°41	23°14	13°21	28°42	5°43	10°38	6°58	29°54	6°33	5°25	27°43	7°53	T 27
F 28	10 28 2	8 ³⁸ 09	13 ⁵¹	22 ⁸	24 ²⁸	14 ⁸	28 ⁴⁹	5 ⁴⁹	10 ⁴⁰	6 ⁵⁹	29 ⁵⁵	6 ²⁷	5 ²²	27 ⁵⁰	7 ⁵⁶	F 28

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
S 1	17s23	12s 8	5s 2	11s55	0s10	15s57	1s26	14s56	1s 4	18n44	0s44	10n38	2s21	23s26	0s19	22s20	0n59	15s 3	16s10	18s35	18s36	26s48	4n41	2n13					
S 2	17 6	17 0	5 16	11 16	0n 4	15 34	1 27	14 40	1 4	18 45	0 43	10 39	2 21	23 26	0 19	22 20	0 59	15 2	16 9	18 35	18 36	26 48	4 42	2 13					
M 3	16 49	21 3	5 15	10 38	0 18	15 9	1 27	14 24	1 4	18 46	0 43	10 40	2 21	23 26	0 19	22 19	0 59	15 2	16 9	18 36	18 37	26 48	4 43	2 13					
T 4	16 31	24 8	5 0	10 1	0 33	14 45	1 28	14 8	1 3	18 47	0 43	10 42	2 20	23 26	0 19	22 19	0 59	15 1	16 9	18 35	18 38	26 47	4 43	2 13					
W 5	16 13	26 8	4 32	9 27	0 49	14 20	1 28	13 52	1 3	18 47	0 43	10 43	2 20	23 25	0 19	22 19	0 59	15 0	16 9	18 35	18 39	26 47	4 44	2 13					
T 6	15 55	26 56	3 53	8 54	1 5	13 54	1 28	13 35	1 3	18 48	0 42	10 44	2 20	23 25	0 19	22 19	0 59	15 0	16 8	18 35	18 40	26 46	4 45	2 12					
F 7	15 37	26 31	3 4	8 25	1 21	13 28	1 28	13 19	1 3	18 49	0 42	10 46	2 20	23 25	0 19	22 19	0 59	14 59	16 8	18 35	18 40	26 46	4 46	2 12					
S 8	15 18	24 53	2 6	7 59	1 38	13 2	1 29	13 2	1 3	18 50	0 42	10 47	2 19	23 25	0 19	22 19	0 59	14 58	16 8	18 35	18 41	26 45	4 47	2 12					
S 9	14 59	22 6	1 3	7 36	1 54	12 36	1 29	12 45	1 2	18 51	0 42	10 49	2 19	23 25	0 19	22 19	0 59	14 58	16 8	18 34	18 42	26 45	4 48	2 12					
M10	14 40	18 20	0n 4	7 18	2 10	12 9	1 29	12 28	1 2	18 52	0 41	10 50	2 19	23 24	0 19	22 19	0 59	14 57	16 8	18 34	18 43	26 45	4 49	2 12					
T 11	14 21	13 43	1 12	7 4	2 26	11 42	1 29	12 11	1 2	18 54	0 41	10 52	2 18	23 24	0 19	22 19	1 0	14 56	16 7	18 34	18 44	26 44	4 50	2 12					
W12	14 1	8 28	2 17	6 54	2 41	11 14	1 29	11 54	1 2	18 55	0 41	10 53	2 18	23 24	0 19	22 19	1 0	14 56	16 7	18 35	18 44	26 44	4 51	2 11					
T 13	13 41	2 47	3 17	6 50	2 55	10 47	1 28	11 37	1 1	18 56	0 41	10 55	2 18	23 24	0 19	22 18	1 0	14 55	16 7	18 35	18 45	26 43	4 52	2 11					
F 14	13 21	3n 5	4 7	6 50	3 8	10 18	1 28	11 19	1 1	18 57	0 41	10 56	2 18	23 24	0 19	22 18	1 0	14 54	16 7	18 36	18 46	26 43	4 53	2 11					
S 15	13 1	8 55	4 45	6 54	3 19	9 50	1 28	11 2	1 1	18 59	0 40	10 58	2 17	23 23	0 19	22 18	1 0	14 54	16 7	18 37	18 47	26 42	4 54	2 11					
S 16	12 40	14 27	5 9	7 4	3 28	9 22	1 27	10 44	1 0	19 0	0 40	11 0	2 17	23 23	0 19	22 18	1 0	14 53	16 6	18 37	18 47	26 42	4 55	2 11					
M17	12 20	19 21	5 15	7 17	3 36	8 53	1 27	10 27	1 0	19 1	0 40	11 1	2 17	23 23	0 19	22 18	1 0	14 52	16 6	18 38	18 48	26 41	4 56	2 11					
T 18	11 59	23 17	5 3	7 34	3 41	8 24	1 26	10 9	1 0	19 3	0 40	11 3	2 17	23 23	0 19	22 18	1 0	14 52	16 6	18 38	18 49	26 41	4 57	2 11					
W19	11 38	25 55	4 33	7 54	3 44	7 54	1 26	9 51	0 59	19 4	0 39	11 5	2 16	23 23	0 19	22 18	1 0	14 51	16 6	18 38	18 50	26 40	4 58	2 10					
T 20	11 16	26 54	3 47	8 16	3 44	7 25	1 25	9 33	0 59	19 6	0 39	11 7	2 16	23 23	0 19	22 18	1 0	14 50	16 6	18 38	18 51	26 40	4 59	2 10					
F 21	10 55	26 7	2 45	8 41	3 42	6 55	1 24	9 15	0 59	19 7	0 39	11 8	2 16	23 22	0 19	22 18	1 0	14 49	16 5	18 37	18 51	26 39	5 0	2 10					
S 22	10 33	23 34	1 33	9 6	3 38	6 25	1 24	8 57	0 58	19 9	0 39	11 10	2 16	23 22	0 19	22 18	1 0	14 49	16 5	18 37	18 52	26 39	5 1	2 10					
S 23	10 12	19 30	0 15	9 33	3 33	5 55	1 23	8 39	0 58	19 10	0 38	11 12	2 15	23 22	0 19	22 17	1 0	14 48	16 5	18 37	18 53	26 38	5 2	2 10					
M24	9 50	14 18	1s 4	9 59	3 25	5 25	1 22	8 20	0 58	19 12	0 38	11 14	2 15	23 22	0 19	22 17	1 0	14 47	16 5	18 37	18 54	26 37	5 3	2 10					
T 25	9 27	8 22	2 18	10 25	3 16	4 55	1 21	8 2	0 57	19 13	0 38	11 16	2 15	23 22	0 19	22 17	1 0	14 47	16 5	18 37	18 55	26 37	5 4	2 10					
W26	9 5	2 8	3 22	10 50	3 5	4 24	1 20	7 44	0 57	19 15	0 38	11 18	2 15	23 21	0 19	22 17	1 0	14 46	16 5	18 38	18 55	26 36	5 5	2 10					
T 27	8 43	4s 3	4 13	11 14	2 54	3 54	1 19	7 25	0 57	19 17	0 38	11 20	2 15	23 21	0 19	22 17	1 0	14 45	16 5	18 39	18 56	26 36	5 7	2 9					
F 28	8s20	9s54	4s48	11s36	2n41	3s23	1s18	7s 7	0s56	19n19	0s37	11n22	2s14	23s21	0s19	22s17	1n 0	14s45	16s 5	18s41	18s57	26s35	5n 8	2n 9					

Julian Day Number = 2386927.5, Delta T = 15.40 sec
 Ecliptic obliquity = 23°27'50, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 22°16'12, Lahiri = 21°23'12

ASTRODIENST EPHEMERIS for the year 1823
geocentric

MARCH 1823

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 31 59	9♂38'18	26♂52	21°R43	25♂43	14♂55	28♂56	5♂54	10♂42	7♂ 1	29♂57	6°R22	5♂19	27♂56	7♂59	S 1
S 2	10 35 55	10°38'27	9♂32	21♂24	26°58	15°43	29° 3	5°59	10°45	7° 2	29°58	6♂17	5°16	28° 3	8° 3	S 2
M 3	10 39 52	11°38'33	21°53	21°12	28°12	16°30	29°10	6° 5	10°47	7° 3	29°59	6°14	5°12	28°10	8° 6	M 3
T 4	10 43 49	12°38'38	3♂59	21°D 7	29°27	17°17	29°18	6°10	10°49	7° 4	0°Y 1	6°12	5° 9	28°16	8° 9	T 4
W 5	10 47 45	13°38'41	15°54	21° 8	0°Y41	18° 4	29°26	6°16	10°51	7° 6	0° 2	6°D11	5° 6	28°23	8°13	W 5
T 6	10 51 42	14°38'43	27°44	21°16	1°56	18°51	29°33	6°22	10°53	7° 7	0° 4	6°12	5° 3	28°30	8°16	T 6
F 7	10 55 38	15°38'43	9♂34	21°30	3°10	19°38	29°41	6°27	10°55	7° 8	0° 5	6°14	5° 0	28°36	8°19	F 7
S 8	10 59 35	16°38'42	21°28	21°48	4°25	20°25	29°49	6°33	10°57	7° 9	0° 7	6°15	4°57	28°43	8°23	S 8
S 9	11 3 31	17°38'39	3♂32	22°13	5°39	21°12	29°57	6°39	10°59	7°10	0° 8	6°R16	4°53	28°50	8°26	S 9
M10	11 7 28	18°38'34	15°48	22°42	6°53	21°59	0°II 6	6°45	11° 1	7°11	0°10	6°16	4°50	28°56	8°30	M10
T 11	11 11 24	19°38'27	28°21	23°15	8° 8	22°46	0°14	6°51	11° 3	7°12	0°11	6°14	4°47	29° 3	8°33	T 11
W12	11 15 21	20°38'18	11♂12	23°53	9°22	23°32	0°23	6°57	11° 4	7°13	0°13	6° 9	4°44	29°10	8°37	W12
T 13	11 19 18	21°38'08	24°20	24°35	10°36	24°19	0°32	7° 3	11° 6	7°14	0°14	6° 3	4°41	29°16	8°40	T 13
F 14	11 23 14	22°37'55	7°Y45	25°20	11°51	25° 6	0°40	7° 9	11° 8	7°15	0°16	5°55	4°37	29°23	8°44	F 14
S 15	11 27 11	23°37'40	21°26	26° 9	13° 5	25°53	0°49	7°16	11°10	7°16	0°17	5°47	4°34	29°30	8°47	S 15
S 16	11 31 7	24°37'23	5♂17	27° 2	14°19	26°40	0°58	7°22	11°11	7°16	0°19	5°39	4°31	29°36	8°51	S 16
M17	11 35 4	25°37'05	19°18	27°57	15°33	27°26	1° 8	7°28	11°13	7°17	0°20	5°32	4°28	29°43	8°54	M17
T 18	11 39 0	26°36'43	3II23	28°55	16°47	28°13	1°17	7°35	11°14	7°18	0°22	5°28	4°25	29°50	8°58	T 18
W19	11 42 57	27°36'20	17°30	29°56	18° 2	29° 0	1°27	7°41	11°16	7°19	0°23	5°26	4°22	29°56	9° 1	W19
T 20	11 46 53	28°35'54	1♂38	1♂ 0	19°16	29°46	1°36	7°48	11°17	7°19	0°25	5°D25	4°18	0♂ 3	9° 5	T 20
F 21	11 50 50	29°35'26	15°46	2° 6	20°30	0°Y33	1°46	7°54	11°19	7°20	0°26	5°26	4°15	0°10	9° 9	F 21
S 22	11 54 47	0°Y34'56	29°51	3°14	21°44	1°19	1°56	8° 1	11°20	7°21	0°28	5°R27	4°12	0°16	9°12	S 22
S 23	11 58 43	1°34'23	13♂53	4°24	22°58	2° 6	2° 6	8° 8	11°21	7°21	0°29	5°26	4° 9	0°23	9°16	S 23
M24	12 2 40	2°33'48	27°49	5°37	24°11	2°52	2°16	8°14	11°22	7°22	0°31	5°24	4° 6	0°30	9°19	M24
T 25	12 6 36	3°33'11	11♂39	6°51	25°25	3°39	2°26	8°21	11°23	7°23	0°32	5°20	4° 2	0°36	9°23	T 25
W26	12 10 33	4°32'31	25°18	8° 8	26°39	4°25	2°36	8°28	11°25	7°23	0°34	5°13	3°59	0°43	9°27	W26
T 27	12 14 29	5°31'50	8♂44	9°26	27°53	5°11	2°46	8°35	11°26	7°23	0°35	5° 3	3°56	0°50	9°30	T 27
F 28	12 18 26	6°31'06	21°54	10°47	29° 7	5°58	2°57	8°42	11°27	7°24	0°36	4°52	3°53	0°56	9°34	F 28
S 29	12 22 22	7°30'20	4♂47	12° 8	0♂20	6°44	3° 7	8°49	11°28	7°24	0°38	4°41	3°50	1° 3	9°38	S 29
S 30	12 26 19	8°29'33	17°23	13°32	1°34	7°30	3°18	8°56	11°29	7°25	0°39	4°31	3°47	1°10	9°41	S 30
M31	12 30 15	9°Y28'44	29♂42	14♂57	2♂48	8°Y16	3II29	9♂ 3	11♂29	7♂25	0°Y41	4♂22	3♂43	1♂16	9°Y45	M31

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
S 1	7s58	15s 9	5s 8	11s57	2n28	2s52	1s16	6s48	0s56	19n20	0s37	11n24	2s14	23s21	0s19	22s17	1n 0	14s44	16s 4	18s42	18s58	26s35	5n 9	2n 9	
S 2	7 35	19 36	5 11	12 16	2 15	2 21	1 15	6 30	0 56	19 22	0 37	11 25	2 14	23 21	0 19	22 17	1 0	14 43	16 4	18 43	18 58	26 34	5 10	2 9	
M 3	7 12	23 5	5 0	12 32	2 1	1 51	1 14	6 11	0 55	19 24	0 37	11 28	2 14	23 21	0 19	22 17	1 0	14 43	16 4	18 44	18 59	26 33	5 11	2 9	
T 4	6 49	25 29	4 36	12 47	1 47	1 20	1 12	5 52	0 55	19 26	0 36	11 30	2 13	23 21	0 19	22 17	1 0	14 42	16 4	18 45	19 0	26 33	5 13	2 9	
W 5	6 26	26 42	4 0	13 0	1 33	0 49	1 11	5 34	0 54	19 27	0 36	11 32	2 13	23 20	0 19	22 17	1 0	14 41	16 4	18 45	19 1	26 32	5 14	2 9	
T 6	6 3	26 41	3 14	13 11	1 19	0 17	1 9	5 15	0 54	19 29	0 36	11 34	2 13	23 20	0 19	22 17	1 0	14 41	16 4	18 44	19 1	26 31	5 15	2 9	
F 7	5 40	25 27	2 20	13 19	1 5	0n14	1 8	4 56	0 54	19 31	0 36	11 36	2 13	23 20	0 19	22 16	1 0	14 40	16 4	18 44	19 2	26 31	5 16	2 8	
S 8	5 17	23 4	1 20	13 26	0 52	0 45	1 6	4 37	0 53	19 33	0 36	11 38	2 13	23 20	0 19	22 16	1 0	14 40	16 4	18 44	19 3	26 30	5 18	2 8	
S 9	4 53	19 38	0 15	13 30	0 39	1 16	1 4	4 18	0 53	19 35	0 35	11 40	2 12	23 20	0 19	22 16	1 0	14 39	16 4	18 43	19 4	26 30	5 19	2 8	
M10	4 30	15 18	0n52	13 33	0 26	1 47	1 3	3 59	0 52	19 37	0 35	11 42	2 12	23 20	0 19	22 16	1 0	14 38	16 4	18 44	19 5	26 29	5 20	2 8	
T 11	4 6	10 14	1 57	13 34	0 14	2 18	1 1	3 40	0 52	19 39	0 35	11 44	2 12	23 20	0 19	22 16	1 0	14 38	16 4	18 44	19 5	26 28	5 21	2 8	
W12	3 43	4 38	2 58	13 33	0 2	2 49	0 59	3 21	0 51	19 41	0 35	11 46	2 12	23 19	0 19	22 16	1 0	14 37	16 3	18 45	19 6	26 28	5 23	2 8	
T 13	3 19	1n16	3 50	13 30	0s10	3 20	0 57	3 2	0 51	19 43	0 35	11 49	2 12	23 19	0 19	22 16	1 0	14 36	16 3	18 47	19 7	26 27	5 24	2 8	
F 14	2 56	7 14	4 31	13 25	0 21	3 51	0 55	2 43	0 51	19 45	0 34	11 51	2 11	23 19	0 19	22 16	1 0	14 36	16 3	18 49	19 8	26 26	5 25	2 8	
S 15	2 32	12 58	4 58	13 18	0 32	4 21	0 53	2 24	0 50	19 47	0 34	11 53	2 11	23 19	0 19	22 16	1 0	14 35	16 3	18 51	19 8	26 26	5 26	2 8	
S 16	2 8	18 7	5 7	13 10	0 42	4 52	0 51	2 5	0 50	19 49	0 34	11 55	2 11	23 19	0 20	22 16	1 0	14 34	16 3	18 53	19 9	26 25	5 28	2 7	
M17	1 45	22 21	4 58	13 0	0 52	5 23	0 49	1 46	0 49	19 51	0 34	11 57	2 11	23 19	0 20	22 16	1 0	14 34	16 3	18 54	19 10	26 24	5 29	2 7	
T 18	1 21	25 18	4 32	12 49	1 1	5 53	0 47	1 27	0 49	19 53	0 34	12 0	2 11	23 19	0 20	22 16	1 0	14 33	16 3	18 55	19 11	26 23	5 30	2 7	
W19	0 57	26 40	3 49	12 36	1 10	6 23	0 45	1 8	0 48	19 55	0 33	12 2	2 10	23 19	0 20	22 16	1 0	14 33	16 3	18 56	19 11	26 23	5 32	2 7	
T 20	0 33	26 19	2 51	12 21	1 18	6 54	0 42	0 49	0 48	19 58	0 33	12 4	2 10	23 19	0 20	22 15	1 0	14 32	16 3	18 56	19 12	26 22	5 33	2 7	
F 21	0 10	24 15	1 44	12 5	1 26	7 24	0 40	0 30	0 47	20 0	0 33	12 6	2 10	23 18	0 20	22 15	1 0	14 31	16 3	18 56	19 13	26 21	5 34	2 7	
S 22	0n14	20 42	0 30	11 47	1 34	7 54	0 38	0 11	0 47	20 2	0 33	12 9	2 10	23 18	0 20	22 15	1 0	14 31	16 3	18 56	19 14	26 20	5 36	2 7	
S 23	0 38	15 58	0s45	11 28	1 41	8 23	0 35	0n 8	0 46	20 4	0 33	12 11	2 10	23 18	0 20	22 15	1 0	14 30	16 3	18 56	19 14	26 20	5 37	2 7	
M24	1 1	10 25	1 57	11 7	1 47	8 53	0 33	0 26	0 46	20 6	0 33	12 13	2 10	23 18	0 20	22 15	1 0	14 30	16 3	18 56	19 15	26 19	5 38	2 7	
T 25	1 25	4 25	3 1	10 45	1 53	9 22	0 30	0 45	0 45	20 8	0 32	12 16	2 10	23 18	0 20	22 15	1 0	14 29	16 3	18 57	19 16	26 18	5 40	2 7	
W26	1 48	1s42	3 54	10 22	1 59	9 51	0 28	1 4	0 45	20 11	0 32	12 18	2 9	23 18	0 20	22 15	1 0	14 29	16 3	18 59	19 17	26 17	5 41	2 7	
T 27	2 12	7 38	4 33	9 57	2 4	10 20	0 25	1 23	0 44	20 13	0 32	12 20	2 9	23 18	0 20	22 15	1 0	14 28	16 3	19 1	19 17	26 17	5 43	2 7	
F 28	2 35	13 7	4 56	9 31	2 8	10 49	0 23	1 42	0 44	20 15	0 32	12 23	2 9	23 18	0 20	22 15	1 0	14 27	16 3	19 4	19 18	26 16	5 44	2 6	
S 29	2 59	17 53	5 4	9 3	2 13	11 17	0 20	2 1	0 43	20 17	0 32	12 25	2 9	23 18	0 20	22 15	1 0	14 27	16 3	19 7	19 19	26 15	5 45	2 6	
S 30	3 22	21 46	4 56	8 34	2 16	11 45	0 18	2 19	0 43	20 19	0 31	12 27	2 9	23 18	0 20	22 15	1 1	14 26	16 4	19 9	19 20	26 14	5 47	2 6	
M31	3n46	24s35	4s35	8s 4	2s19	12n13	0s15	2n38	0s42	20n22	0s31	12n30	2s 9	23s18	0s20	22s15	1n 1	14s26	16s 4	19s11	19s20	26s13	5n48	2n 6	

ASTRODIENST EPHEMERIS for the year 1823

geocentric

APRIL 1823

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 34 12	10°27'53	11°48'48	16°24'48	48° 1	9° 3	3°40	9°10	11°30	7°25	0°42	4°R16	3°40	1°23	9°48	T 1
W 2	12 38 9	11°27'00	23°44	17°53	5°15	9°49	3°51	9°17	11°31	7°26	0°44	4°12	3°37	1°30	9°52	W 2
T 3	12 42 5	12°26'05	5°34	19°23	6°28	10°35	4° 2	9°24	11°32	7°26	0°45	4°11	3°34	1°36	9°56	T 3
F 4	12 46 2	13°25'09	17°23	20°55	7°42	11°21	4°13	9°31	11°32	7°26	0°47	4°D10	3°31	1°43	9°59	F 4
S 5	12 49 58	14°24'10	29°18	22°28	8°55	12° 7	4°24	9°38	11°33	7°26	0°48	4°R11	3°28	1°50	10° 3	S 5
S 6	12 53 55	15°23'10	11°22	24° 3	10° 8	12°53	4°35	9°46	11°34	7°26	0°50	4°11	3°24	1°56	10° 7	S 6
M 7	12 57 51	16°22'09	23°42	25°39	11°22	13°39	4°47	9°53	11°34	7°27	0°51	4° 9	3°21	2° 3	10°10	M 7
T 8	13 1 48	17°21'05	6°22	27°17	12°35	14°25	4°58	10° 0	11°35	7°27	0°53	4° 5	3°18	2°10	10°14	T 8
W 9	13 5 44	18°19'59	19°24	28°56	13°48	15°10	5°10	10° 8	11°35	7°27	0°54	3°58	3°15	2°16	10°17	W 9
T 10	13 9 41	19°18'52	2°49	0°37	15° 1	15°56	5°21	10°15	11°35	7°27	0°56	3°49	3°12	2°23	10°21	T 10
F 11	13 13 38	20°17'43	16°36	2°20	16°15	16°42	5°33	10°22	11°36	7°27	0°57	3°38	3° 8	2°30	10°25	F 11
S 12	13 17 34	21°16'31	0°42	4° 4	17°28	17°28	5°45	10°30	11°36	7°27	0°58	3°27	3° 5	2°36	10°28	S 12
S 13	13 21 31	22°15'18	15° 1	5°49	18°41	18°13	5°57	10°37	11°36	7°26	1° 0	3°15	3° 2	2°43	10°32	S 13
M14	13 25 27	23°14'03	29°28	7°36	19°54	18°59	6° 8	10°45	11°36	7°26	1° 1	3° 6	2°59	2°50	10°35	M14
T 15	13 29 24	24°12'46	13°56	9°25	21° 7	19°44	6°20	10°52	11°36	7°26	1° 3	2°58	2°56	2°56	10°39	T 15
W16	13 33 20	25°11'26	28°20	11°15	22°20	20°30	6°33	11° 0	11°36	7°26	1° 4	2°54	2°53	3° 3	10°42	W16
T 17	13 37 17	26°10'04	12°36	13° 7	23°33	21°15	6°45	11° 7	11°36	7°26	1° 5	2°52	2°49	3°10	10°46	T 17
F 18	13 41 13	27° 8'40	26°42	15° 0	24°46	22° 1	6°57	11°15	11°36	7°26	1° 7	2°52	2°46	3°16	10°49	F 18
S 19	13 45 10	28° 7'14	10°38	16°55	25°58	22°46	7° 9	11°22	11°36	7°25	1° 8	2°52	2°43	3°23	10°53	S 19
S 20	13 49 7	29° 5'45	24°24	18°52	27°11	23°31	7°22	11°30	11°36	7°25	1°10	2°50	2°40	3°30	10°56	S 20
M21	13 53 3	0° 4'15	7°59	20°50	28°24	24°17	7°34	11°38	11°36	7°25	1°11	2°47	2°37	3°36	11° 0	M21
T 22	13 57 0	1° 2'42	21°24	22°50	29°36	25° 2	7°46	11°45	11°36	7°24	1°12	2°41	2°34	3°43	11° 3	T 22
W23	14 0 56	2° 1'06	4°49	24°51	0°49	25°47	7°59	11°53	11°35	7°24	1°14	2°33	2°30	3°50	11° 7	W23
T 24	14 4 53	2°59'29	17°42	26°54	2° 1	26°32	8°12	12° 0	11°35	7°23	1°15	2°21	2°27	3°56	11°10	T 24
F 25	14 8 49	3°57'51	0°34	28°58	3°14	27°17	8°24	12° 8	11°35	7°23	1°16	2° 8	2°24	4° 3	11°14	F 25
S 26	14 12 46	4°56'10	13°12	1° 3	4°26	28° 2	8°37	12°16	11°34	7°22	1°17	1°55	2°21	4°10	11°17	S 26
S 27	14 16 42	5°54'27	25°37	3° 9	5°39	28°47	8°50	12°23	11°34	7°22	1°19	1°42	2°18	4°16	11°20	S 27
M28	14 20 39	6°52'43	7°49	5°17	6°51	29°32	9° 2	12°31	11°33	7°21	1°20	1°31	2°14	4°23	11°24	M28
T 29	14 24 36	7°50'58	19°51	7°25	8° 3	0°17	9°15	12°39	11°32	7°21	1°21	1°23	2°11	4°30	11°27	T 29
W30	14 28 32	8°49'10	1°34	9°34	9°15	1° 2	9°28	12°46	11°32	7°20	1°23	1°17	2° 8	4°36	11°30	W30

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	4n 9	26s13	4s 1	7s33	2s22	12n41	0s12	2n57	0s42	20n24	0s31	12n32	2s 8	23s18	0s20	22s15	1n 1	14s25	16s 4	19s13	19s21	26s13	5n49	2n 6	
W 2	4 32	26 37	3 18	7 0	2 24	13 8	0 10	3 15	0 41	20 26	0 31	12 34	2 8	23 18	0 20	22 15	1 1	14 25	16 4	19 14	19 22	26 12	5 51	2 6	
T 3	4 55	25 47	2 26	6 26	2 26	13 35	0 7	3 34	0 41	20 28	0 31	12 37	2 8	23 18	0 20	22 15	1 1	14 24	16 4	19 14	19 23	26 11	5 52	2 6	
F 4	5 18	23 47	1 28	5 51	2 27	14 1	0 4	3 53	0 40	20 30	0 31	12 39	2 8	23 18	0 20	22 15	1 1	14 24	16 4	19 14	19 23	26 10	5 53	2 6	
S 5	5 41	20 45	0 26	5 15	2 28	14 28	0 2	4 11	0 40	20 33	0 30	12 42	2 8	23 18	0 20	22 15	1 1	14 23	16 4	19 14	19 24	26 9	5 55	2 6	
S 6	6 4	16 46	0n38	4 38	2 28	14 53	0n 1	4 29	0 39	20 35	0 30	12 44	2 8	23 18	0 20	22 15	1 1	14 23	16 4	19 14	19 25	26 8	5 56	2 6	
M 7	6 27	12 2	1 42	3 59	2 28	15 19	0 4	4 48	0 39	20 37	0 30	12 46	2 8	23 18	0 20	22 15	1 1	14 22	16 4	19 14	19 26	26 8	5 58	2 6	
T 8	6 49	6 40	2 42	3 20	2 27	15 44	0 7	5 6	0 38	20 39	0 30	12 49	2 8	23 18	0 20	22 15	1 1	14 22	16 4	19 15	19 26	26 7	5 59	2 6	
W 9	7 12	0 54	3 35	2 39	2 26	16 9	0 9	5 24	0 38	20 42	0 30	12 51	2 8	23 18	0 20	22 15	1 1	14 21	16 4	19 17	19 27	26 6	6 0	2 6	
T 10	7 34	5n 4	4 19	1 57	2 24	16 33	0 12	5 42	0 37	20 44	0 30	12 53	2 7	23 18	0 20	22 15	1 1	14 21	16 5	19 19	19 28	26 5	6 2	2 6	
F 11	7 56	10 58	4 48	1 14	2 22	16 57	0 15	6 1	0 36	20 46	0 30	12 56	2 7	23 18	0 20	22 15	1 1	14 20	16 5	19 22	19 29	26 4	6 3	2 6	
S 12	8 18	16 25	5 1	0 30	2 19	17 21	0 18	6 19	0 36	20 48	0 29	12 58	2 7	23 18	0 20	22 15	1 1	14 20	16 5	19 24	19 29	26 3	6 4	2 6	
S 13	8 40	21 3	4 55	0n14	2 15	17 44	0 21	6 36	0 35	20 50	0 29	13 1	2 7	23 18	0 20	22 15	1 1	14 20	16 5	19 27	19 30	26 2	6 6	2 6	
M14	9 2	24 27	4 30	1 0	2 12	18 7	0 24	6 54	0 35	20 53	0 29	13 3	2 7	23 18	0 20	22 14	1 1	14 19	16 5	19 29	19 31	26 1	6 7	2 5	
T 15	9 24	26 16	3 48	1 47	2 7	18 29	0 26	7 12	0 34	20 55	0 29	13 6	2 7	23 18	0 20	22 14	1 1	14 19	16 5	19 31	19 31	26 0	6 8	2 5	
W16	9 45	26 19	2 52	2 35	2 3	18 51	0 29	7 30	0 34	20 57	0 29	13 8	2 7	23 18	0 20	22 14	1 1	14 18	16 5	19 32	19 32	26 0	6 10	2 5	
T 17	10 7	24 37	1 45	3 23	1 57	19 12	0 32	7 47	0 33	20 59	0 29	13 10	2 7	23 18	0 20	22 14	1 1	14 18	16 5	19 32	19 33	25 59	6 11	2 5	
F 18	10 28	21 22	0 33	4 12	1 51	19 33	0 35	8 5	0 32	21 1	0 28	13 13	2 7	23 18	0 20	22 14	1 1	14 17	16 6	19 32	19 34	25 58	6 13	2 5	
S 19	10 49	16 56	0s41	5 2	1 45	19 53	0 38	8 22	0 32	21 4	0 28	13 15	2 7	23 18	0 20	22 14	1 1	14 17	16 6	19 32	19 34	25 57	6 14	2 5	
S 20	11 10	11 39	1 51	5 53	1 38	20 12	0 41	8 40	0 31	21 6	0 28	13 18	2 6	23 18	0 20	22 14	1 1	14 17	16 6	19 33	19 35	25 56	6 15	2 5	
M21	11 30	5 53	2 54	6 44	1 31	20 32	0 43	8 57	0 31	21 8	0 28	13 20	2 6	23 18	0 20	22 14	1 1	14 16	16 6	19 33	19 36	25 55	6 17	2 5	
T 22	11 51	0s 3	3 46	7 36	1 23	20 50	0 46	9 14	0 30	21 10	0 28	13 22	2 6	23 18	0 20	22 14	1 1	14 16	16 6	19 35	19 37	25 54	6 18	2 5	
W23	12 11	5 55	4 26	8 28	1 15	21 8	0 49	9 31	0 29	21 12	0 28	13 25	2 6	23 18	0 20	22 14	1 1	14 16	16 7	19 37	19 37	25 53	6 19	2 5	
T 24	12 31	11 25	4 50	9 21	1 6	21 26	0 52	9 48	0 29	21 14	0 28	13 27	2 6	23 18	0 21	22 14	1 1	14 15	16 7	19 39	19 38	25 52	6 21	2 5	
F 25	12 51	16 21	5 0	10 13	0 57	21 43	0 54	10 5	0 28	21 17	0 28	13 29	2 6	23 18	0 21	22 14	1 1	14 15	16 7	19 42	19 39	25 51	6 22	2 5	
S 26	13 11	20 29	4 54	11 6	0 48	21 59	0 57	10 21	0 28	21 19	0 27	13 32	2 6	23 18	0 21	22 14	1 1	14 15	16 7	19 45	19 39	25 50	6 23	2 5	
S 27	13 30	23 38	4 35	11 59	0 38	22 15	1 0	10 38	0 27	21 21	0 27	13 34	2 6	23 18	0 21	22 14	1 1	14 14	16 7	19 48	19 40	25 49	6 24	2 5	
M28	13 49	25 38	4 3	12 51	0 28	22 30	1 2	10 54	0 26	21 23	0 27	13 37	2 6	23 18	0 21	22 14	1 1	14 14	16 8	19 50	19 41	25 48	6 26	2 5	
T 29	14 8	26 24	3 20	13 43	0 18	22 45	1 5	11 11	0 26	21 25	0 27	13 39	2 6	23 18	0 21	22 14	1 1	14 14	16 8	19 52	19 42	25 47	6 27	2 5	
W30	14n27	25s57	2s29	14n34	0s 8	22n59	1n 8	11n27	0s25	21n27	0s27	13n41	2s 6	23s18	0s21	22s14	1n 1	14s13	16s 8	19s54	19s42	25s46	6m28	2n 6	

ASTRODIENST EPHEMERIS for the year 1823
geocentric

MAY 1823

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 32 29	9♂47'21	13♂33	11♂44	10♂27	1♂47	9♂41	12♂54	11°R31	7°R19	1°V24	1°R14	2♂ 5	4♂43	11°V34	T 1
F 2	14 36 25	10°45'31	25°21	13°53	11°40	2°31	9°54	13° 2	11♂30	7♂19	1°25	1♂13	2° 2	4°50	11°37	F 2
S 3	14 40 22	11°43'39	7♂15	16° 3	12°52	3°16	10° 7	13°10	11°30	7°18	1°26	1°13	1°59	4°56	11°40	S 3
S 4	14 44 18	12°41'46	19°19	18°13	14° 3	4° 1	10°20	13°17	11°29	7°17	1°27	1°13	1°55	5° 3	11°44	S 4
M 5	14 48 15	13°39'51	1♂39	20°21	15°15	4°45	10°33	13°25	11°28	7°16	1°29	1°12	1°52	5°10	11°47	M 5
T 6	14 52 11	14°37'55	14°19	22°29	16°27	5°30	10°47	13°33	11°27	7°16	1°30	1° 9	1°49	5°16	11°50	T 6
W 7	14 56 8	15°35'58	27°24	24°36	17°39	6°14	11° 0	13°40	11°26	7°15	1°31	1° 3	1°46	5°23	11°53	W 7
T 8	15 0 5	16°33'59	10°V57	26°41	18°51	6°58	11°13	13°48	11°25	7°14	1°32	0°55	1°43	5°30	11°56	T 8
F 9	15 4 1	17°31'58	24°55	28°45	20° 2	7°43	11°26	13°56	11°24	7°13	1°33	0°45	1°39	5°36	11°59	F 9
S 10	15 7 58	18°29'57	9♂18	0♂46	21°14	8°27	11°40	14° 4	11°23	7°12	1°34	0°34	1°36	5°43	12° 2	S 10
S 11	15 11 54	19°27'53	23°58	2°46	22°26	9°11	11°53	14°11	11°22	7°11	1°35	0°24	1°33	5°50	12° 5	S 11
M12	15 15 51	20°25'49	8♂49	4°43	23°37	9°56	12° 6	14°19	11°20	7°10	1°36	0°15	1°30	5°56	12° 8	M12
T 13	15 19 47	21°23'43	23°41	6°37	24°48	10°40	12°20	14°27	11°19	7° 9	1°37	0° 8	1°27	6° 3	12°11	T 13
W14	15 23 44	22°21'35	8♂26	8°29	26° 0	11°24	12°33	14°34	11°18	7° 8	1°38	0° 4	1°24	6°10	12°14	W14
T 15	15 27 40	23°19'25	22°59	10°17	27°11	12° 8	12°47	14°42	11°17	7° 7	1°39	0° 3	1°20	6°16	12°17	T 15
F 16	15 31 37	24°17'14	7♂16	12° 3	28°22	12°52	13° 0	14°50	11°15	7° 6	1°40	0°D 3	1°17	6°23	12°20	F 16
S 17	15 35 34	25°15'01	21°15	13°46	29°34	13°36	13°14	14°57	11°14	7° 5	1°41	0°R 3	1°14	6°30	12°23	S 17
S 18	15 39 30	26°12'46	4♂57	15°25	0♂45	14°20	13°28	15° 5	11°12	7° 4	1°42	0° 3	1°11	6°36	12°26	S 18
M19	15 43 27	27°10'29	18°22	17° 1	1°56	15° 4	13°41	15°12	11°11	7° 3	1°43	0° 1	1° 8	6°43	12°29	M19
T 20	15 47 23	28° 8'11	1♂32	18°34	3° 6	15°47	13°55	15°20	11° 9	7° 2	1°44	29♂57	1° 5	6°50	12°32	T 20
W21	15 51 20	29° 5'51	14°29	20° 4	4°17	16°31	14° 8	15°28	11° 8	7° 1	1°45	29°50	1° 1	6°56	12°34	W21
T 22	15 55 16	0♂ 3'30	27°13	21°30	5°28	17°15	14°22	15°35	11° 6	6°59	1°46	29°41	0°58	7° 3	12°37	T 22
F 23	15 59 13	1° 1'08	9♂45	22°53	6°39	17°58	14°36	15°43	11° 5	6°58	1°47	29°31	0°55	7°10	12°40	F 23
S 24	16 3 9	1°58'44	22° 7	24°12	7°49	18°42	14°49	15°50	11° 3	6°57	1°48	29°20	0°52	7°16	12°42	S 24
S 25	16 7 6	2°56'19	4♂19	25°28	9° 0	19°25	15° 3	15°58	11° 1	6°56	1°49	29°10	0°49	7°23	12°45	S 25
M26	16 11 3	3°53'53	16°21	26°40	10°10	20° 9	15°17	16° 5	10°59	6°54	1°50	29° 2	0°45	7°30	12°47	M26
T 27	16 14 59	4°51'25	28°17	27°49	11°21	20°52	15°31	16°13	10°58	6°53	1°50	28°55	0°42	7°36	12°50	T 27
W28	16 18 56	5°48'57	10♂ 6	28°54	12°31	21°35	15°45	16°20	10°56	6°52	1°51	28°51	0°39	7°43	12°52	W28
T 29	16 22 52	6°46'28	21°54	29°56	13°41	22°19	15°58	16°28	10°54	6°50	1°52	28°49	0°36	7°49	12°55	T 29
F 30	16 26 49	7°43'57	3♂42	0♂53	14°51	23° 2	16°12	16°35	10°52	6°49	1°53	28°D49	0°33	7°56	12°57	F 30
S 31	16 30 45	8♂41'26	15♂36	1♂47	16♂ 1	23♂45	16♂26	16♂42	10♂50	6♂48	1°V53	28♂50	0♂30	8♂ 3	13°V 0	S 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	14n46	24s18	1s32	15n25	0n 3	23n12	1n10	11n43	0s25	21n29	0s27	13n44	2s 6	23s18	0s21	22s14
F 2	15 4	21 36	0 31	16 15	0 14	23 25	1 13	11 59	0 24	21 31	0 27	13 46	2 6	23 19	0 21	22 14
S 3	15 22	17 58	0n32	17 3	0 24	23 37	1 15	12 15	0 23	21 33	0 26	13 48	2 6	23 19	0 21	22 15
S 4	15 40	13 33	1 34	17 50	0 35	23 48	1 18	12 31	0 23	21 35	0 26	13 51	2 6	23 19	0 21	22 15
M 5	15 57	8 30	2 34	18 35	0 45	23 59	1 20	12 46	0 22	21 37	0 26	13 53	2 6	23 19	0 21	22 15
T 6	16 15	2 59	3 28	19 18	0 55	24 9	1 23	13 2	0 22	21 39	0 26	13 55	2 6	23 19	0 21	22 15
W 7	16 32	2n49	4 12	20 0	1 5	24 18	1 25	13 17	0 21	21 41	0 26	13 58	2 6	23 19	0 21	22 15
T 8	16 48	8 41	4 44	20 39	1 15	24 27	1 27	13 32	0 20	21 43	0 26	14 0	2 6	23 19	0 21	22 15
F 9	17 5	14 19	5 0	21 16	1 24	24 35	1 30	13 47	0 20	21 45	0 26	14 2	2 6	23 19	0 21	22 15
S 10	17 21	19 19	4 59	21 50	1 32	24 42	1 32	14 2	0 19	21 47	0 26	14 5	2 6	23 19	0 21	22 15
S 11	17 37	23 15	4 37	22 22	1 40	24 49	1 34	14 17	0 18	21 49	0 25	14 7	2 5	23 19	0 21	22 15
M12	17 52	25 42	3 57	22 52	1 47	24 55	1 36	14 31	0 18	21 51	0 25	14 9	2 5	23 20	0 21	22 15
T 13	18 8	26 19	3 1	23 18	1 54	25 0	1 38	14 46	0 17	21 53	0 25	14 11	2 5	23 20	0 21	22 15
W14	18 23	25 4	1 52	23 43	2 0	25 4	1 40	15 0	0 17	21 55	0 25	14 14	2 5	23 20	0 21	22 15
T 15	18 37	22 7	0 38	24 4	2 5	25 8	1 42	15 14	0 16	21 56	0 25	14 16	2 5	23 20	0 21	22 15
F 16	18 52	17 51	0s38	24 24	2 9	25 11	1 44	15 28	0 15	21 58	0 25	14 18	2 5	23 20	0 21	22 15
S 17	19 6	12 41	1 51	24 40	2 13	25 14	1 46	15 42	0 15	22 0	0 25	14 20	2 5	23 20	0 21	22 15
S 18	19 19	6 59	2 55	24 55	2 16	25 15	1 48	15 56	0 14	22 2	0 25	14 23	2 5	23 20	0 21	22 15
M19	19 33	1 6	3 48	25 7	2 18	25 16	1 49	16 9	0 13	22 4	0 25	14 25	2 5	23 21	0 21	22 15
T 20	19 46	4s43	4 28	25 17	2 19	25 17	1 51	16 23	0 13	22 5	0 24	14 27	2 5	23 21	0 21	22 15
W21	19 59	10 13	4 54	25 24	2 19	25 16	1 53	16 36	0 12	22 7	0 24	14 29	2 5	23 21	0 21	22 15
T 22	20 11	15 13	5 4	25 30	2 19	25 15	1 54	16 49	0 11	22 9	0 24	14 31	2 5	23 21	0 21	22 15
F 23	20 23	19 29	4 59	25 33	2 17	25 13	1 56	17 2	0 11	22 10	0 24	14 33	2 6	23 21	0 21	22 15
S 24	20 35	22 50	4 41	25 35	2 15	25 11	1 57	17 15	0 10	22 12	0 24	14 36	2 6	23 21	0 21	22 15
S 25	20 46	25 7	4 10	25 35	2 12	25 7	1 58	17 27	0 9	22 14	0 24	14 38	2 6	23 22	0 21	22 15
M26	20 57	26 12	3 28	25 33	2 8	25 3	1 59	17 39	0 9	22 15	0 24	14 40	2 6	23 22	0 21	22 15
T 27	21 8	26 4	2 37	25 30	2 3	24 59	2 1	17 52	0 8	22 17	0 24	14 42	2 6	23 22	0 21	22 15
W28	21 18	24 43	1 39	25 25	1 57	24 54	2 2	18 4	0 7	22 19	0 24	14 44	2 6	23 22	0 21	22 16
T 29	21 28	22 18	0 37	25 19	1 51	24 47	2 3	18 15	0 7	22 20	0 23	14 46	2 6	23 22	0 21	22 16
F 30	21 37	18 55	0n26	25 11	1 44	24 41	2 3	18 27	0 6	22 22	0 23	14 48	2 6	23 22	0 21	22 16
S 31	21n46	14s45	1n29	25n 2	1n35	24n33	2n 4	18n38	0s 6	22n23	0s23	14n50	2s 6	23s23	0s21	22s16

Julian Day Number = 2387016.5, Delta T = 15.26 sec
Ecliptic obliquity = 23°27'49, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°16'24, Lahiri = 21°23'25

ASTRODIENST EPHEMERIS for the year 1823
geocentric

JUNE 1823

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 34 42	9♂38'55	27♂40	25♂37	17♂11	24♂28	16♂40	16♂50	10♂R48	6♂R46	1♂54	28♂51	0♂26	8♂9	13♂2	S 1
M 2	16 38 38	10°36'22	9♂58	3°23	18°21	25°11	16°54	16°57	10♂46	6♂45	1°55	28°R52	0°23	8°16	13°4	M 2
T 3	16 42 35	11°33'49	22°37	4°4	19°31	25°54	17°7	17°4	10°44	6°44	1°55	28°51	0°20	8°23	13°7	T 3
W 4	16 46 32	12°31'15	5♂40	4°42	20°40	26°37	17°21	17°11	10°42	6°42	1°56	28°49	0°17	8°29	13°9	W 4
T 5	16 50 28	13°28'40	19°10	5°15	21°50	27°20	17°35	17°19	10°40	6°41	1°57	28°45	0°14	8°36	13°11	T 5
F 6	16 54 25	14°26'05	3♂9	5°44	22°59	28°3	17°49	17°26	10°38	6°39	1°57	28°39	0°11	8°43	13°13	F 6
S 7	16 58 21	15°23'29	17°35	6°8	24°9	28°46	18°3	17°33	10°36	6°38	1°58	28°33	0°7	8°49	13°15	S 7
S 8	17 2 18	16°20'53	2♂23	6°28	25°18	29°29	18°17	17°40	10°34	6°36	1°58	28°26	0°4	8°56	13°17	S 8
M 9	17 6 14	17°18'16	17°26	6°44	26°27	0♂11	18°31	17°47	10°32	6°35	1°59	28°21	0°1	9°3	13°19	M 9
T 10	17 10 11	18°15'38	2♂34	6°55	27°36	0°54	18°44	17°54	10°30	6°33	1°59	28°17	29♂58	9°9	13°21	T 10
W 11	17 14 7	19°13'00	17°38	7°1	28°45	1°37	18°58	18°1	10°27	6°32	2°0	28°15	29°55	9°16	13°23	W 11
T 12	17 18 4	20°10'20	2♂30	7°R 3	29°54	2°19	19°12	18°8	10°25	6°30	2°0	28°D14	29°51	9°23	13°25	T 12
F 13	17 22 1	21°7'40	17°2	7°0	1♂3	3°2	19°26	18°15	10°23	6°29	2°1	28°15	29°48	9°29	13°27	F 13
S 14	17 25 57	22°4'58	1♂13	6°53	2°12	3°44	19°40	18°22	10°21	6°27	2°1	28°17	29°45	9°36	13°29	S 14
S 15	17 29 54	23°2'16	15°1	6°42	3°20	4°26	19°54	18°29	10°18	6°26	2°2	28°18	29°42	9°43	13°30	S 15
M 16	17 33 50	23°59'33	28°26	6°26	4°29	5°9	20°8	18°36	10°16	6°24	2°2	28°R18	29°39	9°49	13°32	M 16
T 17	17 37 47	24°56'49	11♂30	6°7	5°37	5°51	20°21	18°42	10°14	6°22	2°3	28°17	29°36	9°56	13°34	T 17
W 18	17 41 43	25°54'04	24°17	5°44	6°45	6°33	20°35	18°49	10°12	6°21	2°3	28°14	29°32	10°3	13°35	W 18
T 19	17 45 40	26°51'19	6♂49	5°18	7°53	7°15	20°49	18°56	10°9	6°19	2°3	28°10	29°29	10°9	13°37	T 19
F 20	17 49 36	27°48'33	19°8	4°49	9°1	7°57	21°3	19°2	10°7	6°18	2°3	28°5	29°26	10°16	13°38	F 20
S 21	17 53 33	28°45'46	1♂16	4°18	10°9	8°39	21°17	19°9	10°5	6°16	2°4	28°0	29°23	10°23	13°40	S 21
S 22	17 57 30	29°42'59	13°17	3°44	11°16	9°21	21°30	19°16	10°2	6°14	2°4	27°56	29°20	10°29	13°41	S 22
M 23	18 1 26	0♂40'12	25°11	3°10	12°24	10°3	21°44	19°22	10°0	6°13	2°4	27°52	29°17	10°36	13°42	M 23
T 24	18 5 23	1°37'24	7♂1	2°35	13°31	10°45	21°58	19°28	9°57	6°11	2°4	27°49	29°13	10°43	13°44	T 24
W 25	18 9 19	2°34'36	18°49	2°0	14°38	11°27	22°12	19°35	9°55	6°10	2°5	27°47	29°10	10°49	13°45	W 25
T 26	18 13 16	3°31'48	0♂37	1°25	15°45	12°8	22°25	19°41	9°53	6°8	2°5	27°D47	29°7	10°56	13°46	T 26
F 27	18 17 12	4°28'59	12°29	0°51	16°52	12°50	22°39	19°47	9°50	6°6	2°5	27°48	29°4	11°2	13°47	F 27
S 28	18 21 9	5°26'11	24°26	0°19	17°59	13°32	22°53	19°54	9°48	6°5	2°5	27°49	29°1	11°9	13°48	S 28
S 29	18 25 6	6°23'22	6♂33	29♂49	19°5	14°13	23°6	20°0	9°45	6°3	2°5	27°51	28°57	11°16	13°49	S 29
M 30	18 29 2	7♂20'34	18♂53	29♂22	20♂12	14♂55	23♂20	20♂6	9♂43	6♂1	2♂5	27♂52	28♂54	11♂22	13♂50	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	
S 1	21n55	9s58	2n29	24n53	1n26	24n25	2n 5	18n50	0s 5	22n25	0s23	14n52	2s 6	23s23	0s21	22s16	1n 2	14s 9	16s17	20s25	20s 5	25s10	7n 4	2n 5
M 2	22 4	4 41	3 24	24 42	1 17	24 17	2 6	19 1	0 4	22 26	0 23	14 54	2 6	23 23	0 21	22 16	1 2	14 9	16 17	20 24	20 5	25 9	7 5	2 5
T 3	22 12	0n53	4 10	24 30	1 6	24 7	2 6	19 12	0 4	22 28	0 23	14 56	2 6	23 23	0 21	22 16	1 2	14 9	16 18	20 25	20 6	25 7	7 6	2 5
W 4	22 19	6 36	4 45	24 17	0 55	23 57	2 7	19 22	0 3	22 29	0 23	14 58	2 6	23 23	0 21	22 16	1 2	14 10	16 18	20 25	20 7	25 6	7 7	2 5
T 5	22 26	12 13	5 5	24 4	0 42	23 47	2 7	19 33	0 2	22 30	0 23	15 0	2 6	23 23	0 21	22 16	1 2	14 10	16 19	20 26	20 7	25 5	7 8	2 5
F 6	22 33	17 24	5 8	23 50	0 30	23 36	2 7	19 43	0 2	22 32	0 23	15 2	2 6	23 24	0 21	22 16	1 2	14 10	16 19	20 27	20 8	25 4	7 9	2 5
S 7	22 40	21 46	4 52	23 35	0 16	23 24	2 7	19 53	0 1	22 33	0 23	15 4	2 6	23 24	0 21	22 16	1 2	14 10	16 19	20 28	20 9	25 2	7 10	2 5
S 8	22 46	24 51	4 17	23 23	0 2	23 11	2 7	20 3	0 0	22 34	0 22	15 6	2 6	23 24	0 22	22 16	1 2	14 10	16 20	20 30	20 9	25 1	7 10	2 5
M 9	22 51	26 15	3 23	23 4	0s13	22 58	2 7	20 13	0n 0	22 36	0 22	15 8	2 6	23 24	0 22	22 16	1 2	14 10	16 20	20 31	20 10	25 0	7 11	2 5
T 10	22 57	25 41	2 15	22 49	0 28	22 44	2 7	20 23	0 1	22 37	0 22	15 10	2 6	23 24	0 22	22 16	1 2	14 10	16 20	20 32	20 11	24 58	7 12	2 5
W 11	23 1	23 15	0 57	22 32	0 44	22 30	2 7	20 32	0 2	22 38	0 22	15 12	2 6	23 25	0 22	22 16	1 2	14 10	16 21	20 32	20 11	24 57	7 13	2 5
T 12	23 6	19 15	0s23	22 16	1 0	22 15	2 7	20 41	0 2	22 39	0 22	15 13	2 6	23 25	0 22	22 17	1 2	14 10	16 21	20 32	20 12	24 56	7 14	2 6
F 13	23 10	14 9	1 41	22 0	1 17	22 0	2 6	20 50	0 3	22 41	0 22	15 15	2 7	23 25	0 22	22 17	1 2	14 11	16 21	20 32	20 13	24 55	7 14	2 6
S 14	23 14	8 24	2 50	21 43	1 34	21 44	2 6	20 59	0 4	22 42	0 22	15 17	2 7	23 25	0 22	22 17	1 2	14 11	16 22	20 32	20 13	24 53	7 15	2 6
S 15	23 17	2 25	3 48	21 27	1 51	21 28	2 5	21 7	0 4	22 43	0 22	15 19	2 7	23 25	0 22	22 17	1 2	14 11	16 22	20 31	20 14	24 52	7 16	2 6
M 16	23 20	3s31	4 31	21 11	2 7	21 11	2 4	21 16	0 5	22 44	0 22	15 21	2 7	23 25	0 22	22 17	1 2	14 11	16 22	20 31	20 15	24 51	7 16	2 6
T 17	23 22	9 8	4 59	20 56	2 24	20 53	2 4	21 24	0 6	22 45	0 22	15 22	2 7	23 26	0 22	22 17	1 2	14 11	16 23	20 32	20 15	24 49	7 17	2 6
W 18	23 24	14 15	5 12	20 40	2 40	20 35	2 3	21 32	0 6	22 46	0 22	15 24	2 7	23 26	0 22	22 17	1 2	14 11	16 23	20 32	20 16	24 48	7 18	2 6
T 19	23 26	18 39	5 9	20 25	2 56	20 16	2 2	21 39	0 7	22 47	0 21	15 26	2 7	23 26	0 22	22 17	1 2	14 12	16 24	20 33	20 17	24 47	7 18	2 6
F 20	23 27	22 12	4 52	20 11	3 11	19 57	2 0	21 47	0 8	22 48	0 21	15 28	2 7	23 26	0 22	22 17	1 2	14 12	16 24	20 34	20 17	24 45	7 19	2 6
S 21	23 27	24 42	4 22	19 58	3 26	19 38	1 59	21 54	0 8	22 49	0 21	15 29	2 7	23 26	0 22	22 17	1 2	14 12	16 24	20 35	20 18	24 44	7 20	2 6
S 22	23 28	26 4	3 40	19 45	3 39	19 18	1 58	22 1	0 9	22 50	0 21	15 31	2 7	23 27	0 22	22 17	1 2	14 12	16 25	20 36	20 19	24 43	7 20	2 6
M 23	23 28	26 12	2 50	19 34	3 52	18 58	1 56	22 8	0 10	22 51	0 21	15 33	2 7	23 27	0 22	22 17	1 2	14 13	16 25	20 37	20 19	24 41	7 21	2 6
T 24	23 27	25 8	1 52	19 23	4 3	18 37	1 55	22 15	0 10	22 52	0 21	15 34	2 8	23 27	0 22	22 17	1 2	14 13	16 25	20 37	20 20	24 40	7 21	2 6
W 25	23 26	22 57	0 49	19 14	4 13	18 16	1 53	22 21	0 11	22 53	0 21	15 36	2 8	23 27	0 22	22 18	1 2	14 13	16 26	20 37	20 21	24 38	7 22	2 6
T 26	23 25	19 47	0n16	19 5	4 22	17 54	1 51	22 28	0 12	22 54	0 21	15 37	2 8	23 27	0 22	22 18	1 2	14 13	16 26	20 38	20 21	24 37	7 22	2 6
F 27	23 23	15 48	1 20	18 58	4 29	17 32	1 49	22 34	0 12	22 55	0 21	15 39	2 8	23 28	0 22	22 18	1 2	14 14	16 27	20 37	20 22	24 36	7 23	2 6
S 28	23 21	11 10	2 22	18 53	4 35	17 9	1 47	22 40	0 13	22 56	0 21	15 40	2 8	23 28	0 22	22 18	1 2	14 14	16 27	20 37	20 23	24 34	7 23	2 6
S 29	23 19	6 3	3 18	18 48	4 39	16 47	1 45	22 45	0 14	22 56	0 21	15 42	2 8	23 28	0 22	22 18	1 2	14 14	16 27	20 37	20 23	24 33	7 24	2 6
M 30	23n16	0s38	4n 6	18n46	4s42	16n23	1n43	22n51	0n14	22n57	0s21	15n44	2s 8	23s28	0s22	22s18	1n 2	14s15	16s28	20s37	20s24	24s31	7n24	2n 6

ASTRODIENST EPHEMERIS for the year 1823
geocentric

AUGUST 1823

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 35 12	7♏53'12	21♏13	26♏0	23♏38	6♏36	0♏17	22♏44	8♏R29	5♏R13	1♏R56	27♏43	27♏13	14♏55	13♏R54	F 1
S 2	20 39 8	8°50'39	5♏18	27°58	24°35	7°15	0°29	22°48	8♏27	5♏12	1♏56	27°43	27°9	15°2	13♏53	S 2
S 3	20 43 5	9°48'07	19°45	29°58	25°33	7°55	0°42	22°51	8°26	5°11	1°55	27°44	27°6	15°9	13°53	S 3
M 4	20 47 2	10°45'36	4♏30	24♏0	26°29	8°35	0°54	22°55	8°24	5°9	1°54	27°45	27°3	15°15	13°52	M 4
T 5	20 50 58	11°43'06	19°27	4°3	27°26	9°15	1°6	22°58	8°22	5°8	1°54	27°46	27°0	15°22	13°51	T 5
W 6	20 54 55	12°40'38	4♏29	6°6	28°21	9°54	1°18	23°2	8°20	5°7	1°53	27°R46	26°57	15°29	13°50	W 6
T 7	20 58 51	13°38'10	19°28	8°10	29°17	10°34	1°30	23°5	8°18	5°6	1°52	27°45	26°54	15°35	13°49	T 7
F 8	21 2 48	14°35'44	4♏16	10°14	0♏12	11°13	1°41	23°8	8°16	5°5	1°52	27°43	26°50	15°42	13°48	F 8
S 9	21 6 44	15°33'18	18°45	12°18	1°6	11°52	1°53	23°11	8°14	5°3	1°51	27°41	26°47	15°48	13°47	S 9
S 10	21 10 41	16°30'54	2♏50	14°21	2°0	12°32	2°5	23°14	8°13	5°2	1°50	27°39	26°44	15°55	13°45	S 10
M 11	21 14 37	17°28'30	16°28	16°24	2°53	13°11	2°16	23°16	8°11	5°1	1°49	27°37	26°41	16°2	13°44	M 11
T 12	21 18 34	18°26'07	29°40	18°26	3°46	13°50	2°28	23°19	8°9	5°0	1°48	27°35	26°38	16°8	13°43	T 12
W 13	21 22 31	19°23'46	12♏28	20°28	4°38	14°29	2°39	23°22	8°8	4°59	1°48	27°34	26°35	16°15	13°42	W 13
T 14	21 26 27	20°21'25	24°54	22°28	5°29	15°9	2°51	23°24	8°6	4°58	1°47	27°D34	26°31	16°22	13°40	T 14
F 15	21 30 24	21°19'05	7♏4	24°27	6°20	15°48	3°2	23°27	8°4	4°57	1°46	27°34	26°28	16°28	13°39	F 15
S 16	21 34 20	22°16'47	19°2	26°25	7°10	16°27	3°13	23°29	8°3	4°56	1°45	27°36	26°25	16°35	13°37	S 16
S 17	21 38 17	23°14'29	0♏53	28°21	8°0	17°6	3°24	23°31	8°1	4°55	1°44	27°38	26°22	16°42	13°36	S 17
M 18	21 42 13	24°12'13	12°40	0♏17	8°48	17°45	3°35	23°33	8°0	4°54	1°43	27°39	26°19	16°48	13°34	M 18
T 19	21 46 10	25°9'58	24°29	2°11	9°36	18°23	3°46	23°35	7°59	4°53	1°42	27°R40	26°15	16°55	13°33	T 19
W 20	21 50 6	26°7'44	6♏22	4°3	10°24	19°2	3°57	23°37	7°57	4°52	1°42	27°40	26°12	17°2	13°31	W 20
T 21	21 54 3	27°5'31	18°22	5°55	11°10	19°41	4°7	23°39	7°56	4°52	1°41	27°38	26°9	17°8	13°30	T 21
F 22	21 58 0	28°3'20	0♏32	7°45	11°55	20°20	4°18	23°41	7°55	4°51	1°40	27°35	26°6	17°15	13°28	F 22
S 23	22 1 56	29°1'10	12°52	9°33	12°40	20°58	4°29	23°42	7°53	4°50	1°39	27°30	26°3	17°22	13°26	S 23
S 24	22 5 53	29°59'02	25°24	11°21	13°24	21°37	4°39	23°44	7°52	4°49	1°38	27°25	26°0	17°28	13°24	S 24
M 25	22 9 49	0♏56'55	8♏8	13°6	14°7	22°15	4°49	23°45	7°51	4°49	1°37	27°20	25°56	17°35	13°22	M 25
T 26	22 13 46	1°54'50	21°6	14°51	14°48	22°54	5°0	23°46	7°50	4°48	1°36	27°14	25°53	17°41	13°21	T 26
W 27	22 17 42	2°52'47	4♏18	16°34	15°29	23°32	5°10	23°48	7°49	4°47	1°35	27°10	25°50	17°48	13°19	W 27
T 28	22 21 39	3°50'46	17°44	18°16	16°9	24°11	5°20	23°49	7°48	4°46	1°34	27°7	25°47	17°55	13°17	T 28
F 29	22 25 35	4°48'47	1♏26	19°57	16°48	24°49	5°30	23°50	7°47	4°46	1°33	27°D 6	25°44	18°1	13°15	F 29
S 30	22 29 32	5°46'49	15°22	21°36	17°25	25°27	5°40	23°50	7°46	4°45	1°32	27°7	25°41	18°8	13°13	S 30
S 31	22 33 29	6♏44'54	29♏33	23♏15	18♏1	26♏5	5♏49	23♏51	7♏45	4♏45	1♏31	27♏8	25♏37	18♏15	13♏11	S 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
F 1	18n19	22n45	4n51	21n45	0n48	2n 1	0s34	23n53	0n35	23n10	0s18	16n20	2s13	23s33	0s22	22s21	1n 1	14s28	16s39	20s38	20s44	23s43	7n27	2n 8			
S 2	18 4	25 20	4 12	21 32	0 57	1 32	0 40	23 52	0 36	23 10	0 18	16 20	2 13	23 33	0 22	22 21	1 1	14 29	16 39	20 38	20 45	23 42	7 27	2 8			
S 3	17 49	26 19	3 16	21 15	1 6	1 3	0 47	23 50	0 37	23 10	0 18	16 21	2 14	23 34	0 22	22 21	1 1	14 29	16 40	20 38	20 46	23 40	7 26	2 8			
M 4	17 33	25 29	2 5	20 56	1 14	0 35	0 53	23 48	0 37	23 10	0 18	16 22	2 14	23 34	0 22	22 21	1 1	14 30	16 40	20 38	20 46	23 38	7 26	2 8			
T 5	17 17	22 49	0 46	20 34	1 20	0 7	1 0	23 46	0 38	23 10	0 18	16 22	2 14	23 34	0 22	22 21	1 1	14 31	16 40	20 38	20 47	23 37	7 26	2 8			
W 6	17 1	18 33	0s37	20 10	1 26	0s22	1 7	23 44	0 38	23 10	0 18	16 23	2 14	23 34	0 22	22 21	1 1	14 31	16 40	20 38	20 47	23 35	7 25	2 8			
T 7	16 45	13 8	1 57	19 43	1 32	0 50	1 13	23 42	0 39	23 10	0 18	16 24	2 14	23 34	0 22	22 21	1 1	14 32	16 41	20 38	20 48	23 33	7 25	2 8			
F 8	16 28	7 2	3 9	19 14	1 36	1 18	1 20	23 39	0 40	23 10	0 18	16 24	2 15	23 34	0 22	22 21	1 1	14 32	16 41	20 38	20 49	23 32	7 25	2 8			
S 9	16 11	0 41	4 6	18 43	1 39	1 46	1 27	23 36	0 40	23 9	0 18	16 25	2 15	23 34	0 22	22 21	1 1	14 33	16 41	20 39	20 49	23 30	7 24	2 8			
S 10	15 54	5s30	4 47	18 10	1 42	2 14	1 34	23 33	0 41	23 9	0 17	16 25	2 15	23 34	0 22	22 21	1 1	14 33	16 42	20 39	20 50	23 28	7 24	2 8			
M11	15 37	11 14	5 10	17 35	1 44	2 42	1 42	23 30	0 42	23 9	0 17	16 26	2 15	23 34	0 22	22 21	1 1	14 34	16 42	20 40	20 50	23 27	7 23	2 8			
T 12	15 19	16 17	5 15	16 59	1 45	3 10	1 49	23 27	0 42	23 9	0 17	16 26	2 15	23 35	0 22	22 21	1 1	14 34	16 42	20 40	20 51	23 25	7 23	2 8			
W13	15 1	20 26	5 5	16 21	1 46	3 37	1 56	23 23	0 43	23 9	0 17	16 27	2 16	23 35	0 22	22 22	1 1	14 35	16 42	20 40	20 52	23 23	7 22	2 8			
T 14	14 43	23 33	4 41	15 42	1 46	4 5	2 4	23 20	0 44	23 9	0 17	16 27	2 16	23 35	0 22	22 22	1 1	14 36	16 43	20 40	20 52	23 22	7 22	2 8			
F 15	14 25	25 31	4 4	15 2	1 45	4 32	2 12	23 16	0 44	23 9	0 17	16 28	2 16	23 35	0 22	22 22	1 1	14 36	16 43	20 40	20 53	23 20	7 21	2 8			
S 16	14 6	26 17	3 17	14 21	1 43	4 59	2 19	23 12	0 45	23 8	0 17	16 28	2 16	23 35	0 22	22 22	1 1	14 37	16 43	20 40	20 53	23 18	7 21	2 8			
S 17	13 47	25 50	2 22	13 39	1 41	5 26	2 27	23 7	0 46	23 8	0 17	16 28	2 16	23 35	0 22	22 22	1 1	14 37	16 43	20 39	20 54	23 17	7 20	2 8			
M18	13 28	24 13	1 22	12 56	1 39	5 52	2 35	23 3	0 46	23 8	0 17	16 29	2 17	23 35	0 22	22 22	1 0	14 38	16 44	20 39	20 55	23 15	7 20	2 8			
T 19	13 9	21 32	0 17	12 12	1 36	6 19	2 43	22 58	0 47	23 8	0 17	16 29	2 17	23 35	0 22	22 22	1 0	14 38	16 44	20 39	20 55	23 13	7 19	2 8			
W20	12 49	17 56	0n48	11 28	1 32	6 45	2 51	22 54	0 48	23 7	0 17	16 29	2 17	23 35	0 22	22 22	1 0	14 39	16 44	20 39	20 56	23 12	7 19	2 8			
T 21	12 30	13 34	1 51	10 43	1 28	7 11	3 0	22 49	0 48	23 7	0 17	16 29	2 17	23 35	0 22	22 22	1 0	14 40	16 44	20 39	20 56	23 10	7 18	2 8			
F 22	12 10	8 38	2 50	9 58	1 24	7 36	3 8	22 44	0 49	23 7	0 17	16 30	2 17	23 35	0 22	22 22	1 0	14 40	16 45	20 40	20 57	23 8	7 17	2 8			
S 23	11 50	3 19	3 42	9 13	1 19	8 1	3 16	22 38	0 50	23 7	0 17	16 30	2 18	23 35	0 22	22 22	1 0	14 41	16 45	20 41	20 58	23 7	7 17	2 8			
S 24	11 29	2n13	4 25	8 28	1 14	8 26	3 25	22 33	0 50	23 6	0 17	16 30	2 18	23 36	0 22	22 22	1 0	14 41	16 45	20 42	20 58	23 5	7 16	2 8			
M25	11 9	7 44	4 54	7 42	1 9	8 51	3 33	22 28	0 51	23 6	0 16	16 30	2 18	23 36	0 22	22 22	1 0	14 42	16 45	20 43	20 59	23 3	7 15	2 8			
T 26	10 48	13 1	5 10	6 56	1 3	9 15	3 42	22 22	0 51	23 6	0 16	16 30	2 18	23 36	0 22	22 22	1 0	14 42	16 45	20 44	20 59	23 1	7 14	2 8			
W27	10 27	17 49	5 9	6 11	0 57	9 39	3 51	22 16	0 52	23 5	0 16	16 30	2 18	23 36	0 22	22 22	1 0	14 43	16 46	20 45	21 0	23 0	7 14	2 8			
T 28	10 6	21 48	4 52	5 25	0 51	10 2	3 59	22 10	0 53	23 5	0 16	16 30	2 19	23 36	0 22	22 23	1 0	14 44	16 46	20 45	21 1	22 58	7 13	2 8			
F 29	9 45	24 40	4 18	4 40	0 44	10 25	4 8	22 4	0 53	23 5	0 16	16 30	2 19	23 36	0 22	22 23	1 0	14 44	16 46	20 46	21 1	22 56	7 12	2 8			
S 30	9 24	26 6	3 28	3 54	0 37	10 48	4 17	21 57	0 54	23 4	0 16	16 30	2 19	23 36	0 22	22 23	1 0	14 45	16 46	20 45	21 2	22 54	7 11	2 8			
S 31	9n 3	25n52	2n24	3n 9	0n30	11s10	4s26	21n51	0n55	23n 4	0s16	16n30	2s19	23s36	0s22	22s23	1n 0	14s45	16s46	20s45	21s 2	22s53	7n11	2n 8			

ASTRODIENST EPHEMERIS for the year 1823

geocentric

SEPTEMBER 1823

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 37 25	7 ^h 43'01	13 ^h 58	24 ^h 51	18 ^h 37	26 ^h 43	5 ^h 59	23 ^h 52	7 ^h R44	4 ^h R44	1 ^h R29	27 ^h 3 9	25 ^h 34	18 ^h 21	13 ^h R 8	M 1
T 2	22 41 22	8 ^h 41'09	28 ^h 34	26 ^h 27	19 ^h 10	27 ^h 22	6 ^h 8	23 ^h 52	7 ^h 344	4 ^h 344	1 ^h Y28	27 ^h R10	25 ^h 31	18 ^h 28	13 ^h Y 6	T 2
W 3	22 45 18	9 ^h 39'20	13 ^h 16	28 ^h 2	19 ^h 43	28 ^h 0	6 ^h 18	23 ^h 53	7 ^h 43	4 ^h 43	1 ^h 27	27 ^h 9	25 ^h 28	18 ^h 35	13 ^h 4	W 3
T 4	22 49 15	10 ^h 37'32	27 ^h 58	29 ^h 35	20 ^h 14	28 ^h 38	6 ^h 27	23 ^h 53	7 ^h 42	4 ^h 43	1 ^h 26	27 ^h 6	25 ^h 25	18 ^h 41	13 ^h 2	T 4
F 5	22 53 11	11 ^h 35'46	12 ^h 33	1 ^h 7	20 ^h 44	29 ^h 16	6 ^h 36	23 ^h 53	7 ^h 41	4 ^h 42	1 ^h 25	27 ^h 1	25 ^h 21	18 ^h 48	13 ^h 0	F 5
S 6	22 57 8	12 ^h 34'01	26 ^h 55	2 ^h 38	21 ^h 12	29 ^h 53	6 ^h 45	23 ^h R53	7 ^h 41	4 ^h 42	1 ^h 24	26 ^h 54	25 ^h 18	18 ^h 55	12 ^h 57	S 6
S 7	23 1 4	13 ^h 32'19	10 ^h 58	4 ^h 7	21 ^h 39	0 ^h 31	6 ^h 54	23 ^h 53	7 ^h 40	4 ^h 42	1 ^h 23	26 ^h 46	25 ^h 15	19 ^h 1	12 ^h 55	S 7
M 8	23 5 1	14 ^h 30'38	24 ^h 37	5 ^h 36	22 ^h 4	1 ^h 9	7 ^h 3	23 ^h 53	7 ^h 40	4 ^h 41	1 ^h 22	26 ^h 39	25 ^h 12	19 ^h 8	12 ^h 53	M 8
T 9	23 8 58	15 ^h 28'58	7 ^h 11	7 ^h 3	22 ^h 28	1 ^h 47	7 ^h 12	23 ^h 53	7 ^h 39	4 ^h 41	1 ^h 21	26 ^h 32	25 ^h 9	19 ^h 14	12 ^h 50	T 9
W10	23 12 54	16 ^h 27'21	20 ^h 40	8 ^h 29	22 ^h 49	2 ^h 24	7 ^h 20	23 ^h 53	7 ^h 39	4 ^h 41	1 ^h 19	26 ^h 27	25 ^h 6	19 ^h 21	12 ^h 48	W10
T 11	23 16 51	17 ^h 25'45	3 ^h 9	9 ^h 54	23 ^h 9	3 ^h 2	7 ^h 29	23 ^h 52	7 ^h 39	4 ^h 41	1 ^h 18	26 ^h 24	25 ^h 2	19 ^h 28	12 ^h 45	T 11
F 12	23 20 47	18 ^h 24'10	15 ^h 19	11 ^h 17	23 ^h 27	3 ^h 39	7 ^h 37	23 ^h 52	7 ^h 38	4 ^h 40	1 ^h 17	26 ^h D23	24 ^h 59	19 ^h 34	12 ^h 43	F 12
S 13	23 24 44	19 ^h 22'37	27 ^h 17	12 ^h 39	23 ^h 44	4 ^h 17	7 ^h 45	23 ^h 51	7 ^h 38	4 ^h 40	1 ^h 16	26 ^h 23	24 ^h 56	19 ^h 41	12 ^h 41	S 13
S 14	23 28 40	20 ^h 21'06	9 ^h 7	14 ^h 0	23 ^h 58	4 ^h 54	7 ^h 53	23 ^h 50	7 ^h 38	4 ^h 40	1 ^h 15	26 ^h 24	24 ^h 53	19 ^h 48	12 ^h 38	S 14
M15	23 32 37	21 ^h 19'37	20 ^h 55	15 ^h 19	24 ^h 10	5 ^h 31	8 ^h 1	23 ^h 49	7 ^h 38	4 ^h 40	1 ^h 14	26 ^h R25	24 ^h 50	19 ^h 54	12 ^h 35	M15
T 16	23 36 33	22 ^h 18'09	2 ^h 45	16 ^h 37	24 ^h 20	6 ^h 9	8 ^h 9	23 ^h 48	7 ^h 38	4 ^h 40	1 ^h 13	26 ^h 25	24 ^h 46	20 ^h 1	12 ^h 33	T 16
W17	23 40 30	23 ^h 16'43	14 ^h 43	17 ^h 54	24 ^h 28	6 ^h 46	8 ^h 16	23 ^h 47	7 ^h D38	4 ^h D40	1 ^h 11	26 ^h 23	24 ^h 43	20 ^h 8	12 ^h 30	W17
T 18	23 44 27	24 ^h 15'18	26 ^h 51	19 ^h 9	24 ^h 34	7 ^h 23	8 ^h 24	23 ^h 46	7 ^h 38	4 ^h 40	1 ^h 10	26 ^h 19	24 ^h 40	20 ^h 14	12 ^h 28	T 18
F 19	23 48 23	25 ^h 13'55	9 ^h 13	20 ^h 22	24 ^h 37	8 ^h 0	8 ^h 31	23 ^h 45	7 ^h 38	4 ^h 40	1 ^h 9	25 ^h 12	24 ^h 37	20 ^h 21	12 ^h 25	F 19
S 20	23 52 20	26 ^h 12'34	21 ^h 50	21 ^h 34	24 ^h R38	8 ^h 37	8 ^h 38	23 ^h 43	7 ^h 38	4 ^h 40	1 ^h 8	26 ^h 3	24 ^h 34	20 ^h 28	12 ^h 22	S 20
S 21	23 56 16	27 ^h 11'15	4 ^h Y41	22 ^h 43	24 ^h 37	9 ^h 14	8 ^h 45	23 ^h 42	7 ^h 38	4 ^h 40	1 ^h 7	25 ^h 53	24 ^h 31	20 ^h 34	12 ^h 20	S 21
M22	0 0 13	28 ^h 9'58	17 ^h 48	23 ^h 51	24 ^h 33	9 ^h 51	8 ^h 52	23 ^h 40	7 ^h 38	4 ^h 40	1 ^h 5	25 ^h 42	24 ^h 27	20 ^h 41	12 ^h 17	M22
T 23	0 4 9	29 ^h 8'44	1 ^h 8	24 ^h 57	24 ^h 27	10 ^h 28	8 ^h 59	23 ^h 39	7 ^h 38	4 ^h 41	1 ^h 4	25 ^h 32	24 ^h 24	20 ^h 47	12 ^h 14	T 23
W24	0 8 6	0 ^h 7'31	14 ^h 39	26 ^h 1	24 ^h 19	11 ^h 5	9 ^h 5	23 ^h 37	7 ^h 39	4 ^h 41	1 ^h 3	25 ^h 23	24 ^h 21	20 ^h 54	12 ^h 12	W24
T 25	0 12 2	1 ^h 6'21	28 ^h 20	27 ^h 2	24 ^h 8	11 ^h 41	9 ^h 12	23 ^h 35	7 ^h 39	4 ^h 41	1 ^h 2	25 ^h 17	24 ^h 18	21 ^h 1	12 ^h 9	T 25
F 26	0 15 59	2 ^h 5'13	12 ^h II10	28 ^h 1	23 ^h 55	12 ^h 18	9 ^h 18	23 ^h 33	7 ^h 39	4 ^h 41	1 ^h 1	25 ^h 13	24 ^h 15	21 ^h 7	12 ^h 6	F 26
S 27	0 19 56	3 ^h 4'07	26 ^h 7	28 ^h 57	23 ^h 40	12 ^h 55	9 ^h 24	23 ^h 31	7 ^h 40	4 ^h 42	0 ^h 59	25 ^h 11	24 ^h 12	21 ^h 14	12 ^h 4	S 27
S 28	0 23 52	4 ^h 3'03	10 ^h 510	29 ^h 50	23 ^h 22	13 ^h 31	9 ^h 30	23 ^h 29	7 ^h 40	4 ^h 42	0 ^h 58	25 ^h D11	24 ^h 8	21 ^h 21	12 ^h 1	S 28
M29	0 27 49	5 ^h 2'02	24 ^h 20	0 ^h II40	23 ^h 2	14 ^h 7	9 ^h 36	23 ^h 26	7 ^h 41	4 ^h 42	0 ^h 57	25 ^h R11	24 ^h 5	21 ^h 27	11 ^h 58	M29
T 30	0 31 45	6 ^h 1'04	8 ^h 234	1 ^h II27	22 ^h 40	14 ^h 44	9 ^h 42	23 ^h 24	7 ^h 342	4 ^h 343	0 ^h Y56	25 ^h 211	24 ^h 2	21 ^h 34	11 ^h Y55	T 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
M 1	8n41	23n55	1n11	2n24	0n23	11s32	4s35	21n44	0n55	23n 4	0s16	16n30	2s19	23s36	0s22	22s23	1n 0	14s46	16s47	20s45	21s 3	22s51	7n10	2n 8			
T 2	8 19	20 21	0s 8	1 39	0 16	11 53	4 44	21 37	0 56	23 3	0 16	16 30	2 20	23 36	0 22	22 23	1 0	14 46	16 47	20 45	21 4	22 49	7 9	2 8			
W 3	7 57	15 29	1 26	0 55	0 8	12 14	4 53	21 30	0 57	23 3	0 16	16 30	2 20	23 36	0 22	22 23	1 0	14 47	16 47	20 45	21 4	22 47	7 8	2 8			
T 4	7 35	9 42	2 39	0 11	0 1	12 34	5 2	21 23	0 57	23 3	0 16	16 30	2 20	23 36	0 22	22 23	1 0	14 48	16 47	20 46	21 5	22 45	7 7	2 8			
F 5	7 13	3 27	3 41	0s33	0s 7	12 54	5 11	21 16	0 58	23 2	0 16	16 30	2 20	23 36	0 22	22 23	1 0	14 48	16 47	20 47	21 5	22 44	7 6	2 8			
S 6	6 51	2s52	4 27	1 16	0 15	13 13	5 20	21 9	0 59	23 2	0 16	16 30	2 20	23 36	0 22	22 23	1 0	14 49	16 47	20 48	21 6	22 42	7 5	2 8			
S 7	6 29	8 53	4 57	1 59	0 23	13 32	5 29	21 1	0 59	23 1	0 16	16 29	2 21	23 36	0 22	22 23	1 0	14 49	16 47	20 49	21 6	22 40	7 4	2 8			
M 8	6 6	14 19	5 8	2 42	0 31	13 50	5 38	20 54	1 0	23 1	0 16	16 29	2 21	23 36	0 22	22 23	1 0	14 50	16 48	20 51	21 7	22 38	7 3	2 8			
T 9	5 44	18 54	5 2	3 24	0 39	14 7	5 47	20 46	1 0	23 1	0 15	16 29	2 21	23 36	0 22	22 23	1 0	14 50	16 48	20 52	21 8	22 36	7 3	2 8			
W10	5 21	22 27	4 41	4 5	0 47	14 23	5 56	20 38	1 1	23 0	0 15	16 29	2 21	23 36	0 22	22 23	1 0	14 51	16 48	20 53	21 8	22 35	7 2	2 8			
T 11	4 58	24 51	4 7	4 46	0 55	14 39	6 5	20 30	1 2	23 0	0 15	16 28	2 21	23 36	0 22	22 23	1 0	14 51	16 48	20 54	21 9	22 33	7 1	2 8			
F 12	4 35	26 1	3 23	5 26	1 3	14 54	6 14	20 22	1 2	22 59	0 15	16 28	2 22	23 36	0 22	22 23	1 0	14 52	16 48	20 54	21 9	22 31	7 0	2 8			
S 13	4 13	25 56	2 30	6 6	1 11	15 8	6 22	20 14	1 3	22 59	0 15	16 28	2 22	23 36	0 22	22 23	0 59	14 53	16 48	20 54	21 10	22 29	6 59	2 8			
S 14	3 50	24 41	1 32	6 45	1 19	15 21	6 31	20 5	1 4	22 59	0 15	16 27	2 22	23 36	0 22	22 23	0 59	14 53	16 48	20 54	21 10	22 27	6 58	2 8			
M15	3 27	22 19	0 30	7 23	1 27	15 33	6 39	19 57	1 4	22 58	0 15	16 27	2 22	23 36	0 22	22 24	0 59	14 54	16 48	20 53	21 11	22 25	6 57	2 8			
T 16	3 3	19 1	0n34	8 0	1 35	15 45	6 48	19 48	1 5	22 58	0 15	16 27	2 22	23 36	0 22	22 24	0 59	14 54	16 48	20 53	21 12	22 24	6 56	2 8			
W17	2 40	14 54	1 37	8 37	1 43	15 55	6 56	19 40	1 6	22 57	0 15	16 26	2 23	23 36	0 22	22 24	0 59	14 55	16 48	20 54	21 12	22 22	6 55	2 8			
T 18	2 17	10 8	2 36	9 13	1 51	16 5	7 3	19 31	1 6	22 57	0 15	16 26	2 23	23 36	0 22	22 24	0 59	14 55	16 48	20 55	21 13	22 20	6 54	2 8			
F 19	1 54	4 54	3 28	9 48	1 59	16 13	7 11	19 22	1 7	22 57	0 15	16 25	2 23	23 36	0 22	22 24	0 59	14 56	16 48	20 56	21 13	22 18	6 52	2 8			
S 20	1 31	0n37	4 12	10 22	2 7	16 20	7 18	19 13	1 8	22 56	0 15	16 25	2 23	23 36	0 22	22 24	0 59	14 56	16 49	20 58	21 14	22 16	6 51	2 8			
S 21	1 7	6 12	4 43	10 55	2 14	16 26	7 25	19 4	1 8	22 56	0 15	16 24	2 23	23 36	0 22	22 24	0 59	14 57	16 49	20 59	21 14	22 14	6 50	2 8			
M22	0 44	11 37	5 1	11 27	2 21	16 31	7 32	18 54	1 9	22 55	0 15	16 23	2 24	23 36	0 22	22 24	0 59	14 57	16 49	21 1	21 15	22 12	6 49	2 8			
T 23	0 20	16 35	5 2	11 58	2 29	16 34	7 38	18 45	1 10	22 55	0 15	16 23	2 24	23 36	0 22	22 24	0 59	14 58	16 49	21 3	21 16	22 10	6 48	2 8			
W24	0s 3	20 49	4 47	12 28	2 36	16 36	7 43	18 36	1 10	22 55	0 14	16 22	2 24	23 36	0 22	22 24	0 59	14 58	16 49	21 5	21 16	22 9	6 47	2 8			
T 25	0 26	23 57	4 15	12 57	2 42	16 37	7 49	18 26	1 11	22 54	0 14	16 22	2 24	23 36	0 22	22 24	0 59	14 59	16 49	21 6	21 17	22 7	6 46	2 8			
F 26	0 50	25 42	3 28	13 24	2 49	16 37	7 53	18 16	1 12	22 54	0 14	16 21	2 24	23 36	0 22	22 24	0 59	14 59	16 49	21 7	21 17	22 5	6 45	2 8			
S 27	1 13	25 53	2 28	13 50	2 55	16 35	7 57	18 7	1 12	22 54	0 14	16 20	2 24	23 36	0 22	22 24	0 59	15 0	16 49	21 7	21 18	22 3	6 44	2 8			
S 28	1 37	24 23	1 19	14 15	3 1	16 31	8 1	17 57	1 13	22 53	0 14	16 20	2 25	23 36	0 21	22 24	0 59	15 0	16 49	21 7	21 18	22 1	6 43	2 7			
M29	2 0	21 21	0 5	14 37	3 6	16 26	8 4	17 47	1 14	22 53	0 14	16 19	2 25	23 36	0 21	22 24	0 59	15 1	16 49	21 7	21 19	21 59	6 41	2 7			
T 30	2s24	17n 0	1s11	14s58	3s11	16s20	8s 6	17n37	1n14	22n53	0s14	16n18	2s25	23s36	0s21	22s24	0n59	15s 1	16s49	21s 7	21s19	21s57	6n40	2n 7			

ASTRODIENST EPHEMERIS for the year 1823
geocentric

OCTOBER 1823

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 35 42	7♂ 0'07	22♂52	2♂ 9	22°R15	15♂20	9♂47	23°R21	7♂42	4♂43	0°R55	25°R 8	23♂59	21♂41	11°R53	W 1
T 2	0 39 38	7°59'13	7♂ 9	2°48	21♂49	15°56	9°53	23♂19	7°43	4°44	0°Y54	25♂ 3	23°56	21°47	11°Y50	T 2
F 3	0 43 35	8°58'21	21°21	3°22	21°21	16°33	9°58	23°16	7°44	4°44	0°52	24°55	23°52	21°54	11°47	F 3
S 4	0 47 31	9°57'31	5♂23	3°52	20°51	17° 9	10° 3	23°13	7°44	4°45	0°51	24°44	23°49	22° 1	11°44	S 4
S 5	0 51 28	10°56'43	19°11	4°16	20°20	17°45	10° 8	23°10	7°45	4°45	0°50	24°32	23°46	22° 7	11°41	S 5
M 6	0 55 24	11°55'57	2♂40	4°34	19°47	18°21	10°12	23° 7	7°46	4°46	0°49	24°20	23°43	22°14	11°39	M 6
T 7	0 59 21	12°55'13	15°49	4°47	19°13	18°57	10°17	23° 4	7°47	4°47	0°48	24° 9	23°40	22°21	11°36	T 7
W 8	1 3 18	13°54'31	28°36	4°R52	18°38	19°33	10°21	23° 1	7°48	4°47	0°47	23°59	23°37	22°27	11°33	W 8
T 9	1 7 14	14°53'51	11♂ 3	4°50	18° 2	20° 8	10°25	22°58	7°49	4°48	0°45	23°53	23°33	22°34	11°30	T 9
F 10	1 11 11	15°53'13	23°13	4°41	17°25	20°44	10°29	22°55	7°50	4°49	0°44	23°49	23°30	22°40	11°27	F 10
S 11	1 15 7	16°52'36	5♂11	4°24	16°49	21°20	10°33	22°51	7°52	4°49	0°43	23°47	23°27	22°47	11°25	S 11
S 12	1 19 4	17°52'01	17° 1	3°58	16°12	21°55	10°36	22°48	7°53	4°50	0°42	23°46	23°24	22°54	11°22	S 12
M13	1 23 0	18°51'29	28°49	3°24	15°35	22°30	10°40	22°44	7°54	4°51	0°41	23°46	23°21	23° 0	11°19	M13
T 14	1 26 57	19°50'57	10♂40	2°42	14°59	23° 6	10°43	22°41	7°55	4°52	0°40	23°46	23°18	23° 7	11°16	T 14
W15	1 30 53	20°50'28	22°40	1°52	14°24	23°41	10°46	22°37	7°57	4°53	0°39	23°43	23°14	23°14	11°14	W15
T 16	1 34 50	21°50'00	4♂54	0°54	13°49	24°16	10°49	22°33	7°58	4°54	0°38	23°38	23°11	23°20	11°11	T 16
F 17	1 38 47	22°49'34	17°25	29♂49	13°16	24°51	10°51	22°29	8° 0	4°55	0°36	23°30	23° 8	23°27	11° 8	F 17
S 18	1 42 43	23°49'10	0°Y15	28°40	12°44	25°27	10°54	22°25	8° 1	4°56	0°35	23°20	23° 5	23°34	11° 5	S 18
S 19	1 46 40	24°48'48	13°25	27°26	12°13	26° 1	10°56	22°21	8° 3	4°57	0°34	23° 8	23° 2	23°40	11° 3	S 19
M20	1 50 36	25°48'28	26°53	26°11	11°44	26°36	10°58	22°17	8° 4	4°58	0°33	22°55	22°58	23°47	11° 0	M20
T 21	1 54 33	26°48'10	10♂39	24°57	11°18	27°11	11° 0	22°13	8° 6	4°59	0°32	22°42	22°55	23°54	10°57	T 21
W22	1 58 29	27°47'54	24°36	23°45	10°53	27°46	11° 2	22° 9	8° 8	5° 0	0°31	22°31	22°52	24° 0	10°55	W22
T 23	2 2 26	28°47'40	8♂41	22°38	10°30	28°21	11° 3	22° 5	8° 9	5° 1	0°30	22°23	22°49	24° 7	10°52	T 23
F 24	2 6 22	29°47'29	22°51	21°39	10° 9	28°55	11° 4	22° 1	8°11	5° 2	0°29	22°18	22°46	24°13	10°50	F 24
S 25	2 10 19	0♂47'19	7♂ 1	20°48	9°51	29°30	11° 5	21°56	8°13	5° 4	0°28	22°16	22°43	24°20	10°47	S 25
S 26	2 14 16	1°47'12	21° 9	20° 7	9°35	0♂ 4	11° 6	21°52	8°15	5° 5	0°27	22°D15	22°39	24°27	10°44	S 26
M27	2 18 12	2°47'07	5♂15	19°37	9°22	0°38	11° 7	21°47	8°17	5° 6	0°26	22°R15	22°36	24°33	10°42	M27
T 28	2 22 9	3°47'05	19°18	19°18	9°11	1°12	11° 7	21°43	8°19	5° 7	0°25	22°15	22°33	24°40	10°39	T 28
W29	2 26 5	4°47'04	3♂16	19°D11	9° 3	1°47	11° 8	21°38	8°21	5° 9	0°24	22°12	22°30	24°47	10°37	W29
T 30	2 30 2	5°47'06	17° 9	19°15	8°57	2°21	11°R 8	21°34	8°23	5°10	0°23	22° 7	22°27	24°53	10°34	T 30
F 31	2 33 58	6♂47'09	0♂54	19♂30	8♂53	2♂55	11♂ 8	21♂29	8♂25	5♂11	0°Y22	21♂58	22♂23	25♂ 0	10°Y32	F 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
W 1	2s47	11n41	2s21	15s18	3s16	16s12	8s 8	17n27	1n15	22n52	0s14	16n17	2s25	23s36	0s21	22s24
T 2	3 10	5 45	3 23	15 35	3 20	16 3	8 8	17 17	1 16	22 52	0 14	16 17	2 25	23 36	0 21	22 24
F 3	3 34	0s25	4 12	15 50	3 23	15 52	8 8	17 6	1 16	22 52	0 14	16 16	2 25	23 36	0 21	22 24
S 4	3 57	6 30	4 44	16 2	3 26	15 39	8 7	16 56	1 17	22 51	0 14	16 15	2 26	23 36	0 21	22 24
S 5	4 20	12 8	5 0	16 12	3 28	15 26	8 5	16 46	1 18	22 51	0 14	16 14	2 26	23 36	0 21	22 24
M 6	4 43	17 4	4 58	16 20	3 29	15 11	8 3	16 35	1 18	22 51	0 14	16 13	2 26	23 35	0 21	22 24
T 7	5 6	21 3	4 40	16 24	3 29	14 54	7 59	16 24	1 19	22 50	0 14	16 12	2 26	23 35	0 21	22 24
W 8	5 30	23 54	4 9	16 25	3 27	14 37	7 55	16 14	1 20	22 50	0 13	16 11	2 26	23 35	0 21	22 24
T 9	5 53	25 31	3 26	16 22	3 25	14 18	7 49	16 3	1 20	22 50	0 13	16 10	2 26	23 35	0 21	22 24
F 10	6 15	25 52	2 34	16 15	3 22	13 58	7 43	15 52	1 21	22 50	0 13	16 9	2 26	23 35	0 21	22 24
S 11	6 38	24 59	1 37	16 5	3 16	13 37	7 36	15 42	1 22	22 49	0 13	16 8	2 27	23 35	0 21	22 24
S 12	7 1	22 58	0 36	15 50	3 10	13 16	7 28	15 31	1 22	22 49	0 13	16 8	2 27	23 35	0 21	22 24
M13	7 24	19 59	0n27	15 30	3 1	12 53	7 19	15 20	1 23	22 49	0 13	16 7	2 27	23 35	0 21	22 24
T 14	7 46	16 10	1 28	15 6	2 51	12 30	7 10	15 9	1 24	22 49	0 13	16 5	2 27	23 35	0 21	22 24
W15	8 9	11 40	2 27	14 37	2 39	12 7	6 59	14 58	1 24	22 49	0 13	16 4	2 27	23 35	0 21	22 24
T 16	8 31	6 38	3 19	14 4	2 26	11 43	6 48	14 47	1 25	22 49	0 13	16 3	2 27	23 35	0 21	22 24
F 17	8 53	1 14	4 4	13 27	2 10	11 20	6 37	14 36	1 26	22 48	0 13	16 2	2 27	23 35	0 21	22 24
S 18	9 15	4n20	4 37	12 46	1 53	10 56	6 25	14 24	1 26	22 48	0 13	16 1	2 27	23 34	0 21	22 24
S 19	9 37	9 50	4 56	12 2	1 34	10 32	6 12	14 13	1 27	22 48	0 13	16 0	2 27	23 34	0 21	22 24
M20	9 59	15 1	5 0	11 17	1 15	10 9	5 59	14 2	1 28	22 48	0 12	15 59	2 27	23 34	0 21	22 24
T 21	10 21	19 33	4 46	10 31	0 54	9 45	5 45	13 51	1 28	22 48	0 12	15 58	2 27	23 34	0 21	22 24
W22	10 42	23 4	4 15	9 45	0 34	9 23	5 31	13 39	1 29	22 48	0 12	15 57	2 28	23 34	0 21	22 24
T 23	11 3	25 12	3 29	9 1	0 13	9 1	5 17	13 28	1 30	22 48	0 12	15 56	2 28	23 34	0 21	22 24
F 24	11 25	25 45	2 29	8 20	0n 7	8 40	5 3	13 16	1 30	22 48	0 12	15 55	2 28	23 34	0 21	22 24
S 25	11 46	24 36	1 20	7 43	0 26	8 19	4 48	13 5	1 31	22 48	0 12	15 53	2 28	23 34	0 21	22 24
S 26	12 6	21 54	0 6	7 11	0 44	7 59	4 33	12 54	1 32	22 48	0 12	15 52	2 28	23 34	0 21	22 24
M27	12 27	17 52	1s 8	6 45	1 1	7 41	4 19	12 42	1 33	22 48	0 12	15 51	2 28	23 33	0 21	22 24
T 28	12 48	12 52	2 18	6 24	1 15	7 23	4 4	12 30	1 33	22 48	0 12	15 50	2 28	23 33	0 21	22 24
W29	13 8	7 14	3 19	6 9	1 29	7 6	3 49	12 19	1 34	22 48	0 12	15 49	2 28	23 33	0 21	22 24
T 30	13 28	1 17	4 8	6 0	1 40	6 50	3 35	12 7	1 35	22 48	0 12	15 47	2 28	23 33	0 21	22 24
F 31	13s48	4s40	4s42	5s57	1n49	6s36	3s21	11n56	1n35	22n48	0s11	15n46	2s28	23s33	0s21	22s24

Julian Day Number = 2387169.5, Delta T = 15.01 sec
Ecliptic obliquity = 23°27'48", Nutation = 0°00'15", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°16'45", Lahiri = 21°23'46"

ASTRODIENST EPHEMERIS for the year 1823
geocentric

NOVEMBER 1823

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	2 37 55	7♏47°15	14♊31	19♊55	8°D52	3♏28	11°R 7	21°R25	8♊27	5♊13	0°R21	21°R48	22♊20	25♊7	10°R29	S 1
S 2	2 41 51	8°47'23	27°56	20°30	8♊53	4° 2	11♊6	21♊20	8°29	5°14	0°R20	21♊35	22°17	25°13	10°R27	S 2
M 3	2 45 48	9°47'33	11♏6	21°13	8°57	4°36	11° 6	21°15	8°32	5°16	0°20	21°23	22°14	25°20	10°25	M 3
T 4	2 49 45	10°47'44	24° 0	22° 3	9° 3	5° 9	11° 5	21°10	8°34	5°17	0°19	21°11	22°11	25°27	10°22	T 4
W 5	2 53 41	11°47'58	6♊38	23° 1	9°12	5°43	11° 4	21° 6	8°36	5°19	0°18	21° 1	22° 8	25°33	10°20	W 5
T 6	2 57 38	12°48'13	18°59	24° 4	9°22	6°16	11° 3	21° 1	8°38	5°20	0°17	20°54	22° 4	25°40	10°18	T 6
F 7	3 1 34	13°48'29	1♊6	25°12	9°35	6°49	11° 1	20°56	8°41	5°22	0°16	20°50	22° 1	25°46	10°16	F 7
S 8	3 5 31	14°48'48	13° 1	26°25	9°50	7°22	11° 0	20°51	8°43	5°23	0°15	20°48	21°58	25°53	10°13	S 8
S 9	3 9 27	15°49'07	24°50	27°42	10° 7	7°55	10°58	20°46	8°46	5°25	0°15	20°D47	21°55	26° 0	10°11	S 9
M10	3 13 24	16°49'28	6♊37	29° 2	10°26	8°28	10°56	20°42	8°48	5°27	0°14	20°48	21°52	26° 6	10° 9	M10
T 11	3 17 20	17°49'51	18°28	0♏25	10°47	9° 1	10°53	20°37	8°51	5°28	0°13	20°R48	21°49	26°13	10° 7	T 11
W12	3 21 17	18°50'15	0♊27	1°49	11° 9	9°34	10°51	20°32	8°53	5°30	0°12	20°47	21°45	26°20	10° 5	W12
T 13	3 25 14	19°50'40	12°41	3°16	11°34	10° 6	10°48	20°27	8°56	5°32	0°12	20°45	21°42	26°26	10° 3	T 13
F 14	3 29 10	20°51'07	25°14	4°45	12° 0	10°38	10°45	20°22	8°59	5°33	0°11	20°40	21°39	26°33	10° 1	F 14
S 15	3 33 7	21°51'35	8°R 9	6°14	12°28	11°11	10°42	20°17	9° 1	5°35	0°10	20°32	21°36	26°40	9°59	S 15
S 16	3 37 3	22°52'04	21°28	7°45	12°58	11°43	10°39	20°12	9° 4	5°37	0°10	20°23	21°33	26°46	9°57	S 16
M17	3 41 0	23°52'35	5♊12	9°17	13°29	12°15	10°35	20° 7	9° 7	5°39	0° 9	20°13	21°29	26°53	9°56	M17
T 18	3 44 56	24°53'07	19°17	10°49	14° 2	12°47	10°32	20° 3	9°10	5°40	0° 8	20° 4	21°26	27° 0	9°54	T 18
W19	3 48 53	25°53'41	3♏39	12°22	14°36	13°19	10°28	19°58	9°12	5°42	0° 8	19°56	21°23	27° 6	9°52	W19
T 20	3 52 49	26°54'17	18°12	13°55	15°11	13°50	10°24	19°53	9°15	5°44	0° 7	19°50	21°20	27°13	9°50	T 20
F 21	3 56 46	27°54'54	2♊48	15°29	15°48	14°22	10°19	19°48	9°18	5°46	0° 7	19°46	21°17	27°20	9°49	F 21
S 22	4 0 43	28°55'32	17°22	17° 2	16°27	14°53	10°15	19°43	9°21	5°48	0° 6	19°D45	21°14	27°26	9°47	S 22
S 23	4 4 39	29°56'12	1♏49	18°36	17° 6	15°25	10°11	19°39	9°24	5°50	0° 6	19°45	21°10	27°33	9°46	S 23
M24	4 8 36	0♊56'54	16° 5	20°11	17°47	15°56	10° 6	19°34	9°27	5°52	0° 5	19°46	21° 7	27°39	9°44	M24
T 25	4 12 32	1°57'38	0♏9	21°45	18°29	16°27	10° 1	19°29	9°30	5°54	0° 5	19°R47	21° 4	27°46	9°43	T 25
W26	4 16 29	2°58'23	14° 1	23°19	19°12	16°58	9°56	19°24	9°33	5°56	0° 4	19°47	21° 1	27°53	9°41	W26
T 27	4 20 25	3°59'09	27°39	24°53	19°56	17°28	9°51	19°20	9°36	5°58	0° 4	19°44	20°58	27°59	9°40	T 27
F 28	4 24 22	4°59'57	11♊4	26°28	20°42	17°59	9°45	19°15	9°39	6° 0	0° 3	19°39	20°55	28° 6	9°38	F 28
S 29	4 28 18	6° 0'47	24°17	28° 2	21°28	18°29	9°40	19°11	9°42	6° 2	0° 3	19°33	20°51	28°13	9°37	S 29
S 30	4 32 15	7♊1'38	7♏18	29♏36	22♊15	18♏59	9♊34	19♊6	9♊45	6♊4	0°R 3	19♊25	20♊48	28♊19	9°R36	S 30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	14s 7	10s19	4s59	5s59	1n57	6s22	3s 6	11n44	1n36	22n48	0s11	15n45	2s28	23s33	0s21	22s24	0n57	15s11	16s45	21s42	21s37	20s53	6n 4	2n 4
S 2	14 27	15 24	5 0	6 6	2 4	6 10	2 52	11 32	1 37	22 49	0 11	15 44	2 28	23 33	0 21	22 24	0 57	15 11	16 44	21 44	21 37	20 51	6 3	2 4
M 3	14 46	19 40	4 44	6 18	2 8	5 59	2 38	11 21	1 38	22 49	0 11	15 43	2 28	23 32	0 21	22 24	0 57	15 11	16 44	21 46	21 38	20 49	6 2	2 4
T 4	15 5	22 54	4 14	6 34	2 12	5 48	2 25	11 9	1 38	22 49	0 11	15 41	2 28	23 32	0 21	22 24	0 57	15 11	16 44	21 48	21 38	20 47	6 1	2 4
W 5	15 23	24 55	3 32	6 53	2 14	5 39	2 11	10 58	1 39	22 49	0 11	15 40	2 28	23 32	0 21	22 24	0 57	15 11	16 44	21 49	21 39	20 45	5 59	2 4
T 6	15 42	25 41	2 41	7 16	2 15	5 32	1 58	10 46	1 40	22 49	0 11	15 39	2 28	23 32	0 21	22 24	0 57	15 12	16 43	21 50	21 39	20 43	5 58	2 4
F 7	16 0	25 11	1 43	7 41	2 14	5 25	1 45	10 34	1 40	22 50	0 11	15 38	2 28	23 32	0 21	22 24	0 57	15 12	16 43	21 51	21 40	20 41	5 57	2 3
S 8	16 18	23 31	0 41	8 8	2 13	5 19	1 33	10 23	1 41	22 50	0 11	15 36	2 28	23 32	0 21	22 24	0 57	15 12	16 43	21 51	21 40	20 39	5 56	2 3
S 9	16 35	20 50	0n22	8 37	2 11	5 14	1 20	10 11	1 42	22 50	0 11	15 35	2 28	23 31	0 21	22 24	0 57	15 12	16 43	21 51	21 41	20 37	5 55	2 3
M10	16 53	17 17	1 24	9 8	2 9	5 11	1 8	9 59	1 43	22 50	0 11	15 34	2 28	23 31	0 21	22 24	0 57	15 12	16 42	21 51	21 41	20 34	5 55	2 3
T 11	17 10	13 3	2 22	9 40	2 5	5 8	0 57	9 48	1 43	22 51	0 10	15 33	2 28	23 31	0 21	22 24	0 57	15 12	16 42	21 51	21 42	20 32	5 54	2 3
W12	17 27	8 16	3 16	10 13	2 1	5 7	0 45	9 36	1 44	22 51	0 10	15 31	2 28	23 31	0 21	22 24	0 57	15 12	16 42	21 51	21 42	20 30	5 53	2 3
T 13	17 43	3 6	4 1	10 47	1 57	5 6	0 34	9 24	1 45	22 51	0 10	15 30	2 28	23 31	0 21	22 24	0 57	15 12	16 42	21 52	21 43	20 28	5 52	2 2
F 14	17 59	2n20	4 36	11 21	1 52	5 6	0 23	9 13	1 46	22 52	0 10	15 29	2 28	23 31	0 21	22 24	0 57	15 12	16 41	21 52	21 43	20 26	5 51	2 2
S 15	18 15	7 48	4 58	11 56	1 47	5 8	0 13	9 1	1 46	22 52	0 10	15 28	2 28	23 30	0 21	22 24	0 57	15 12	16 41	21 53	21 44	20 24	5 50	2 2
S 16	18 30	13 6	5 5	12 31	1 41	5 10	0 3	8 50	1 47	22 52	0 10	15 26	2 28	23 30	0 21	22 24	0 57	15 12	16 41	21 55	21 44	20 22	5 49	2 2
M17	18 46	17 54	4 55	13 6	1 35	5 13	0n 7	8 38	1 48	22 53	0 10	15 25	2 28	23 30	0 21	22 24	0 57	15 12	16 40	21 56	21 45	20 20	5 48	2 2
T 18	19 0	21 51	4 27	13 40	1 29	5 17	0 16	8 26	1 49	22 53	0 10	15 24	2 27	23 30	0 21	22 24	0 57	15 12	16 40	21 58	21 45	20 17	5 47	2 2
W19	19 15	24 32	3 42	14 15	1 23	5 22	0 26	8 15	1 49	22 54	0 10	15 23	2 27	23 30	0 21	22 24	0 57	15 12	16 40	21 59	21 46	20 15	5 46	2 2
T 20	19 29	25 37	2 41	14 49	1 16	5 27	0 35	8 3	1 50	22 54	0 9	15 22	2 27	23 29	0 21	22 24	0 57	15 12	16 40	22 0	21 46	20 13	5 46	2 1
F 21	19 43	24 56	1 30	15 23	1 10	5 34	0 43	7 52	1 51	22 54	0 9	15 20	2 27	23 29	0 21	22 23	0 57	15 12	16 39	22 0	21 47	20 11	5 45	2 1
S 22	19 56	22 33	0 13	15 56	1 3	5 41	0 51	7 41	1 52	22 55	0 9	15 19	2 27	23 29	0 21	22 23	0 57	15 12	16 39	22 1	21 47	20 9	5 44	2 1
S 23	20 9	18 43	1s 5	16 29	0 56	5 49	0 59	7 29	1 53	22 55	0 9	15 18	2 27	23 29	0 21	22 23	0 57	15 12	16 39	22 0	21 48	20 7	5 43	2 1
M24	20 22	13 51	2 17	17 1	0 49	5 57	1 7	7 18	1 53	22 56	0 9	15 17	2 27	23 29	0 21	22 23	0 57	15 12	16 38	22 0	21 48	20 4	5 43	2 1
T 25	20 34	8 18	3 21	17 32	0 42	6 6	1 15	7 6	1 54	22 56	0 9	15 16	2 27	23 28	0 21	22 23	0 57	15 12	16 38	22 0	21 49	20 2	5 42	2 1
W26	20 46	2 26	4 11	18 3	0 35	6 16	1 22	6 55	1 55	22 57	0 9	15 15	2 27	23 28	0 21	22 23	0 57	15 11	16 38	22 0	21 49	20 0	5 41	2 0
T 27	20 58	3s27	4 46	18 33	0 28	6 26	1 29	6 44	1 56	22 57	0 9	15 14	2 27	23 28	0 21	22 23	0 57	15 11	16 37	22 1	21 50	19 58	5 40	2 0
F 28	21 9	9 4	5 5	19 2	0 21	6 37	1 35	6 33	1 57	22 58	0 8	15 12	2 26	23 28	0 21	22 23	0 57	15 11	16 37	22 1	21 50	19 56	5 40	2 0
S 29	21 20	14 11	5 8	19 31	0 14	6 49	1 41	6 21	1 57	22 58	0 8	15 11	2 26	23 27	0 21	22 23	0 57	15 11	16 37	22 2	21 51	19 54	5 39	2 0
S 30	21s30	18s35	4s54	19s58	0n 7	7s 0	1n48	6n10	1n58	22n59	0s 8	15n10	2s26	23s27	0s21	22s23	0n57	15s11	16s36	22s 3	21s51	19s51	5n38	2n 0

ASTRODIENST EPHEMERIS for the year 1823
geocentric

DECEMBER 1823

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 36 12	8♂ 2'30	20♂ 5	1♂ 10	23♂ 3	19♂ 29	9°R28	19°R 2	9♂ 48	6♂ 6	0°R 2	19°R17	20♂ 45	28♂ 26	9°R35	M 1
T 2	4 40 8	9° 3'24	2♂ 40	2°44	23°52	19°59	9♂ 22	18♂ 57	9°52	6° 8	0°Y 2	19♂ 10	20°42	28°33	9°Y34	T 2
W 3	4 44 5	10° 4'19	15° 3	4°19	24°42	20°29	9°16	18°53	9°55	6°10	0° 2	19° 4	20°39	28°39	9°33	W 3
T 4	4 48 1	11° 5'15	27°14	5°53	25°32	20°59	9° 9	18°48	9°58	6°12	0° 1	19° 0	20°35	28°46	9°32	T 4
F 5	4 51 58	12° 6'12	9♂ 14	7°27	26°24	21°28	9° 3	18°44	10° 1	6°14	0° 1	18°57	20°32	28°53	9°31	F 5
S 6	4 55 54	13° 7'09	21° 7	9° 1	27°16	21°57	8°56	18°40	10° 5	6°16	0° 1	18°D57	20°29	28°59	9°30	S 6
S 7	4 59 51	14° 8'08	2♂ 54	10°35	28° 9	22°26	8°50	18°36	10° 8	6°18	0° 1	18°58	20°26	29° 6	9°29	S 7
M 8	5 3 48	15° 9'07	14°40	12° 9	29° 2	22°55	8°43	18°32	10°11	6°20	0° 1	18°59	20°23	29°13	9°28	M 8
T 9	5 7 44	16°10'07	26°30	13°43	29°57	23°24	8°36	18°28	10°15	6°23	0° 0	19° 1	20°20	29°19	9°27	T 9
W10	5 11 41	17°11'07	8♂ 27	15°17	0♂ 52	23°52	8°29	18°24	10°18	6°25	0° 0	19° 3	20°16	29°26	9°27	W10
T 11	5 15 37	18°12'08	20°38	16°52	1°47	24°21	8°22	18°20	10°21	6°27	0° 0	19°R 3	20°13	29°32	9°26	T 11
F 12	5 19 34	19°13'10	3°Y 7	18°26	2°43	24°49	8°14	18°16	10°25	6°29	0° 0	19° 2	20°10	29°39	9°26	F 12
S 13	5 23 30	20°14'12	15°59	20° 0	3°40	25°17	8° 7	18°12	10°28	6°31	0° 0	19° 0	20° 7	29°46	9°25	S 13
S 14	5 27 27	21°15'14	29°16	21°35	4°37	25°44	7°59	18° 8	10°32	6°34	0° 0	18°56	20° 4	29°52	9°25	S 14
M15	5 31 23	22°16'17	13♂ 1	23°10	5°35	26°12	7°52	18° 5	10°35	6°36	0°D 0	18°52	20° 1	29°59	9°24	M15
T 16	5 35 20	23°17'20	27°12	24°44	6°33	26°39	7°44	18° 1	10°38	6°38	0° 0	18°48	19°57	0♂ 6	9°24	T 16
W17	5 39 17	24°18'24	11♂ 46	26°19	7°32	27° 6	7°37	17°58	10°42	6°40	0° 0	18°45	19°54	0°12	9°24	W17
T 18	5 43 13	25°19'29	26°37	27°54	8°31	27°33	7°29	17°54	10°45	6°42	0° 0	18°42	19°51	0°19	9°23	T 18
F 19	5 47 10	26°20'34	11♂ 37	29°30	9°31	27°59	7°21	17°51	10°49	6°45	0° 0	18°D41	19°48	0°26	9°23	F 19
S 20	5 51 6	27°21'40	26°37	1♂ 5	10°31	28°26	7°13	17°48	10°52	6°47	0° 0	18°41	19°45	0°32	9°23	S 20
S 21	5 55 3	28°22'46	11♂ 29	2°41	11°32	28°52	7° 5	17°45	10°56	6°49	0° 0	18°42	19°41	0°39	9°D23	S 21
M22	5 58 59	29°23'53	26° 7	4°17	12°33	29°18	6°57	17°42	10°59	6°51	0° 1	18°43	19°38	0°46	9°23	M22
T 23	6 2 56	0♂ 25'00	10♂ 26	5°53	13°35	29°43	6°49	17°39	11° 3	6°54	0° 1	18°45	19°35	0°52	9°23	T 23
W24	6 6 52	1°26'08	24°24	7°29	14°37	0♂ 9	6°41	17°36	11° 6	6°56	0° 1	18°46	19°32	0°59	9°23	W24
T 25	6 10 49	2°27'17	8♂ 2	9° 6	15°39	0°34	6°33	17°33	11°10	6°58	0° 1	18°R46	19°29	1° 6	9°23	T 25
F 26	6 14 46	3°28'26	21°19	10°42	16°42	0°59	6°25	17°31	11°14	7° 0	0° 1	18°45	19°26	1°12	9°24	F 26
S 27	6 18 42	4°29'36	4♂ 18	12°19	17°45	1°24	6°17	17°28	11°17	7° 3	0° 2	18°43	19°22	1°19	9°24	S 27
S 28	6 22 39	5°30'46	17° 0	13°56	18°48	1°48	6° 9	17°26	11°21	7° 5	0° 2	18°42	19°19	1°25	9°24	S 28
M29	6 26 35	6°31'57	29°29	15°34	19°52	2°12	6° 0	17°23	11°24	7° 7	0° 2	18°40	19°16	1°32	9°25	M29
T 30	6 30 32	7°33'08	11♂ 46	17°11	20°56	2°36	5°52	17°21	11°28	7°10	0° 3	18°38	19°13	1°39	9°25	T 30
W31	6 34 28	8♂ 34'20	23♂ 54	18♂ 48	22♂ 0	2♂ 59	5♂ 44	17♂ 19	11♂ 31	7♂ 12	0°Y 3	18♂ 37	19♂ 10	1♂ 45	9°Y26	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
M 1	21s40	22s 3	4s26	20s24	0n 0	7s13	1n53	5n59	1n59	22n59	0s 8	15n 9	2s26	23s27	0s21	22s23
T 2	21 50	24 23	3 45	20 50	0s 6	7 26	1 59	5 48	2 0	23 0	0 8	15 8	2 26	23 27	0 21	22 23
W 3	21 59	25 30	2 54	21 14	0 13	7 39	2 4	5 37	2 1	23 0	0 8	15 7	2 26	23 26	0 21	22 23
T 4	22 8	25 22	1 56	21 38	0 20	7 53	2 9	5 26	2 1	23 1	0 8	15 6	2 26	23 26	0 21	22 23
F 5	22 16	24 1	0 53	22 0	0 26	8 7	2 14	5 16	2 2	23 2	0 8	15 5	2 25	23 26	0 21	22 23
S 6	22 24	21 37	0n12	22 22	0 33	8 21	2 19	5 5	2 3	23 2	0 7	15 4	2 25	23 26	0 21	22 22
S 7	22 31	18 18	1 16	22 42	0 39	8 36	2 23	4 54	2 4	23 3	0 7	15 3	2 25	23 25	0 21	22 22
M 8	22 38	14 16	2 16	23 1	0 45	8 51	2 27	4 43	2 5	23 3	0 7	15 2	2 25	23 25	0 21	22 22
T 9	22 45	9 42	3 11	23 19	0 52	9 6	2 31	4 33	2 6	23 4	0 7	15 1	2 25	23 25	0 21	22 22
W10	22 51	4 43	3 59	23 36	0 57	9 22	2 35	4 22	2 7	23 5	0 7	15 0	2 24	23 25	0 21	22 22
T 11	22 56	0n31	4 36	23 52	1 3	9 38	2 38	4 12	2 7	23 5	0 7	14 59	2 24	23 24	0 21	22 22
F 12	23 1	5 52	5 2	24 6	1 9	9 54	2 41	4 2	2 8	23 6	0 7	14 59	2 24	23 24	0 21	22 22
S 13	23 6	11 7	5 14	24 19	1 14	10 10	2 44	3 51	2 9	23 6	0 7	14 58	2 24	23 24	0 21	22 22
S 14	23 10	16 2	5 9	24 31	1 20	10 27	2 47	3 41	2 10	23 7	0 6	14 57	2 24	23 24	0 21	22 22
M15	23 14	20 19	4 47	24 42	1 25	10 44	2 50	3 31	2 11	23 7	0 6	14 56	2 23	23 23	0 21	22 22
T 16	23 18	23 33	4 7	24 51	1 30	11 0	2 52	3 21	2 12	23 8	0 6	14 55	2 23	23 23	0 21	22 22
W17	23 20	25 21	3 10	24 59	1 34	11 17	2 54	3 11	2 13	23 9	0 6	14 55	2 23	23 23	0 21	22 22
T 18	23 23	25 24	1 59	25 5	1 39	11 34	2 56	3 1	2 14	23 9	0 6	14 54	2 23	23 23	0 21	22 21
F 19	23 25	23 36	0 39	25 11	1 43	11 52	2 58	2 51	2 15	23 10	0 6	14 53	2 23	23 22	0 21	22 21
S 20	23 26	20 8	0s44	25 14	1 47	12 9	3 0	2 42	2 16	23 10	0 6	14 53	2 22	23 22	0 21	22 21
S 21	23 27	15 23	2 3	25 17	1 50	12 26	3 1	2 32	2 16	23 11	0 5	14 52	2 22	23 22	0 21	22 21
M22	23 28	9 48	3 12	25 17	1 54	12 43	3 3	2 23	2 17	23 11	0 5	14 51	2 22	23 21	0 21	22 21
T 23	23 28	3 49	4 9	25 17	1 57	13 0	3 4	2 13	2 18	23 12	0 5	14 51	2 22	23 21	0 21	22 21
W24	23 27	2s11	4 49	25 15	2 0	13 18	3 5	2 4	2 19	23 13	0 5	14 50	2 21	23 21	0 21	22 21
T 25	23 26	7 57	5 11	25 11	2 2	13 35	3 5	1 55	2 20	23 13	0 5	14 50	2 21	23 21	0 21	22 21
F 26	23 25	13 12	5 16	25 6	2 4	13 52	3 6	1 46	2 21	23 14	0 5	14 49	2 21	23 20	0 21	22 21
S 27	23 23	17 45	5 5	24 59	2 6	14 9	3 7	1 37	2 22	23 14	0 5	14 49	2 21	23 20	0 21	22 20
S 28	23 21	21 23	4 39	24 51	2 8	14 26	3 7	1 28	2 23	23 15	0 4	14 48	2 20	23 20	0 21	22 20
M29	23 18	23 58	4 0	24 41	2 9	14 43	3 7	1 20	2 24	23 15	0 4	14 48	2 20	23 19	0 21	22 20
T 30	23 15	25 22	3 10	24 30	2 9	15 0	3 7	1 11	2 25	23 16	0 4	14 48	2 20	23 19	0 21	22 20
W31	23s11	25s32	2s13	24s17	2s 9	15s17	3n 7	1n 3	2n26	23n16	0s 4	14n47	2s20	23s19	0s21	22s20

Julian Day Number = 2387230.5, Delta T = 14.90 sec
Ecliptic obliquity = 23°27'47", Nutation = 0°00'15", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 22°16'54", Lahiri = 21°23'54"