



# Astrodienst Ephemeris Tables for the year 1822

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 1822  
geocentric

JANUARY 1822

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 40 19	10°3'50'	10°41'	27°23'	27°17'	9°12'	20°44'	19°57'	3°40'	3°3'	27°51'	26°19'	27°46'	10°32'	2°12'	T 1
W 2	6 44 16	11°6'16'	24°48'	28°55'	28°16'	9°18'	20°48'	19°58'	3°44'	3°5'	27°51'	26°18'	27°43'	10°38'	2°13'	W 2
T 3	6 48 12	12°7'25'	9°8'	0°27'	29°15'	9°24'	20°51'	19°59'	3°47'	3°7'	27°52'	26°15'	27°39'	10°45'	2°14'	T 3
F 4	6 52 9	13°8'34'	23°39'	1°59'	0°14'	9°29'	20°55'	20°0'	3°51'	3°9'	27°52'	26°10'	27°36'	10°52'	2°16'	F 4
S 5	6 56 5	14°9'43'	8°17'	3°31'	1°11'	9°33'	20°59'	20°1'	3°54'	3°12'	27°53'	26°4'	27°33'	10°58'	2°17'	S 5
S 6	7 0 2	15°10'51'	22°54'	5°4'	2°9'	9°36'	21°3'	20°3'	3°58'	3°14'	27°53'	25°57'	27°30'	11°5'	2°18'	S 6
M 7	7 3 58	16°11'59'	7°24'	6°38'	3°6'	9°39'	21°8'	20°5'	4°2'	3°16'	27°54'	25°51'	27°27'	11°12'	2°20'	M 7
T 8	7 7 55	17°13'07'	21°40'	8°11'	4°2'	9°41'	21°12'	20°6'	4°5'	3°18'	27°54'	25°45'	27°24'	11°19'	2°21'	T 8
W 9	7 11 52	18°14'14'	5°36'	9°45'	4°57'	9°43'	21°17'	20°8'	4°9'	3°21'	27°55'	25°42'	27°20'	11°25'	2°22'	W 9
T 10	7 15 48	19°15'21'	19°10'	11°20'	5°52'	9°43'	21°22'	20°10'	4°12'	3°23'	27°56'	25°40'	27°17'	11°32'	2°24'	T 10
F 11	7 19 45	20°16'28'	2°20'	12°55'	6°47'	9°43'	21°27'	20°12'	4°16'	3°25'	27°56'	25°40'	27°14'	11°39'	2°25'	F 11
S 12	7 23 41	21°17'35'	15°6'	14°31'	7°41'	9°42'	21°32'	20°14'	4°19'	3°27'	27°57'	25°41'	27°11'	11°45'	2°27'	S 12
S 13	7 27 38	22°18'41'	27°33'	16°7'	8°34'	9°40'	21°38'	20°16'	4°23'	3°29'	27°58'	25°43'	27°8'	11°52'	2°29'	S 13
M14	7 31 34	23°19'47'	9°44'	17°43'	9°26'	9°38'	21°44'	20°19'	4°26'	3°32'	27°59'	25°45'	27°5'	11°59'	2°30'	M14
T 15	7 35 31	24°20'53'	21°44'	19°20'	10°17'	9°35'	21°49'	20°21'	4°30'	3°34'	27°59'	25°46'	27°1'	12°6'	2°32'	T 15
W16	7 39 27	25°21'59'	3°37'	20°58'	11°8'	9°31'	21°55'	20°24'	4°33'	3°36'	28°0'	25°45'	26°58'	12°12'	2°34'	W16
T 17	7 43 24	26°23'04'	15°28'	22°36'	11°58'	9°26'	22°2'	20°27'	4°36'	3°38'	28°1'	25°44'	26°55'	12°19'	2°36'	T 17
F 18	7 47 21	27°24'09'	27°23'	24°15'	12°47'	9°20'	22°8'	20°29'	4°40'	3°40'	28°2'	25°41'	26°52'	12°26'	2°37'	F 18
S 19	7 51 17	28°25'14'	9°25'	25°54'	13°35'	9°14'	22°14'	20°32'	4°43'	3°42'	28°3'	25°36'	26°49'	12°32'	2°39'	S 19
S 20	7 55 14	29°26'18'	21°38'	27°34'	14°23'	9°6'	22°21'	20°35'	4°47'	3°44'	28°4'	25°32'	26°45'	12°39'	2°41'	S 20
M21	7 59 10	0°27'22'	4°3'	29°14'	15°9'	8°58'	22°28'	20°38'	4°50'	3°46'	28°4'	25°27'	26°42'	12°46'	2°43'	M21
T 22	8 3 7	1°28'25'	16°44'	0°55'	15°55'	8°49'	22°35'	20°41'	4°53'	3°49'	28°5'	25°23'	26°39'	12°53'	2°46'	T 22
W23	8 7 3	2°29'28'	29°40'	2°37'	16°39'	8°40'	22°42'	20°45'	4°57'	3°51'	28°6'	25°20'	26°36'	12°59'	2°48'	W23
T 24	8 11 0	3°30'29'	12°50'	4°19'	17°22'	8°29'	22°50'	20°48'	5°0'	3°53'	28°7'	25°19'	26°33'	13°6'	2°50'	T 24
F 25	8 14 56	4°31'30'	26°15'	6°2'	18°5'	8°18'	22°57'	20°51'	5°3'	3°55'	28°8'	25°18'	26°30'	13°13'	2°52'	F 25
S 26	8 18 53	5°32'29'	9°51'	7°45'	18°46'	8°6'	23°5'	20°55'	5°6'	3°57'	28°9'	25°19'	26°26'	13°19'	2°54'	S 26
S 27	8 22 50	6°33'28'	23°38'	9°29'	19°26'	7°53'	23°12'	20°59'	5°10'	3°59'	28°10'	25°20'	26°23'	13°26'	2°57'	S 27
M28	8 26 46	7°34'25'	7°34'	11°14'	20°4'	7°39'	23°20'	21°2'	5°13'	4°1'	28°11'	25°21'	26°20'	13°33'	2°59'	M28
T 29	8 30 43	8°35'21'	21°36'	12°59'	20°42'	7°25'	23°28'	21°6'	5°16'	4°3'	28°12'	25°22'	26°17'	13°40'	3°1'	T 29
W30	8 34 39	9°36'15'	5°44'	14°45'	21°18'	7°10'	23°37'	21°10'	5°19'	4°5'	28°13'	25°23'	26°14'	13°46'	3°4'	W30
T 31	8 38 36	10°37'09'	19°56'	16°31'	21°52'	6°54'	23°45'	21°14'	5°22'	4°7'	28°14'	25°23'	26°11'	13°53'	3°6'	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	23s 5	7n33 3n36	23s59 0s33	13s26 1s 4	11n11 3n18	6m55 1s17	5n27 2s33	23s40 0s15	22s23 1n 3	15s42 16s13	12s46 12s16	19s39 3n22	2n43			
W 2	23 0 13 42	4 24 24 7	0 39 13 0	0 58 11 10	3 20 6 57	1 16 5 27	2 33 23 40	0 15 22 23	1 2 15 41	16 12 12 46	12 17 19 42	3 22 2 43				
T 3	22 55 19 13	4 55 24 14	0 46 12 34	0 53 11 10	3 22 6 58	1 16 5 28	2 32 23 40	0 15 22 23	1 2 15 41	16 12 12 47	12 18 19 44	3 23 2 43				
F 4	22 49 23 41	5 8 24 19	0 52 12 8	0 47 11 10	3 24 7 0	1 16 5 29	2 32 23 40	0 15 22 23	1 2 15 40	16 12 12 48	12 19 19 47	3 23 2 42				
S 5	22 43 26 40	5 2 24 23	0 58 11 42	0 41 11 10	3 26 7 2	1 15 5 30	2 32 23 40	0 15 22 23	1 2 15 40	16 11 12 51	12 20 19 49	3 23 2 42				
S 6	22 36 27 52	4 36 24 26	1 4 11 16	0 35 11 11	3 28 7 4	1 15 5 31	2 31 23 40	0 15 22 23	1 2 15 39	16 11 12 53	12 21 19 51	3 24 2 42				
M 7	22 29 27 7	3 52 24 27	1 10 10 49	0 29 11 12	3 30 7 6	1 15 5 30	2 31 23 40	0 15 22 23	1 2 15 39	16 11 12 55	12 22 19 54	3 24 2 42				
T 8	22 21 24 35	2 54 24 28	1 15 10 23	0 22 11 13	3 32 7 8	1 15 5 32	2 31 23 39	0 15 22 23	1 2 15 38	16 10 12 57	12 23 19 56	3 24 2 42				
W 9	22 13 20 37	1 47 24 26	1 20 9 56	0 15 11 14	3 34 7 10	1 14 5 33	2 31 23 39	0 15 22 23	1 2 15 37	16 10 12 58	12 25 19 58	3 25 2 41				
T 10	22 5 15 39	0 35 24 24	1 25 9 30	0 8 11 16	3 36 7 12	1 14 5 34	2 30 23 39	0 15 22 23	1 2 15 37	16 10 12 59	12 26 20 1	3 25 2 41				
F 11	21 56 10 6	0s36 24 20	1 30 9 3	0 1 11 18	3 38 7 14	1 14 5 35	2 30 23 39	0 15 22 23	1 2 15 36	16 9 12 59	12 27 20 3	3 25 2 41				
S 12	21 47 4 16	1 44 24 14	1 34 8 37	0n 6 11 20	3 40 7 16	1 13 5 36	2 30 23 39	0 15 22 23	1 2 15 36	16 9 12 58	12 28 20 5	3 26 2 41				
S 13	21 37 1s33	2 45 24 7	1 39 8 10	0 13 11 23	3 43 7 19	1 13 5 37	2 29 23 39	0 15 22 23	1 2 15 35	16 9 12 58	12 29 20 8	3 26 2 41				
M14	21 27 7 12	3 38 23 59	1 43 7 43	0 21 11 26	3 45 7 21	1 13 5 38	2 29 23 39	0 15 22 23	1 2 15 35	16 9 12 57	12 30 20 10	3 27 2 40				
T 15	21 16 12 29	4 19 23 49	1 46 7 17	0 29 11 29	3 47 7 23	1 12 5 40	2 29 23 39	0 15 22 23	1 2 15 34	16 8 12 57	12 31 20 12	3 27 2 40				
W16	21 5 17 16	4 50 23 38	1 50 6 50	0 37 11 32	3 49 7 26	1 12 5 41	2 29 23 39	0 15 22 22	1 2 15 33	16 8 12 57	12 32 20 15	3 28 2 40				
T 17	20 54 21 24	5 8 23 25	1 53 6 23	0 45 11 36	3 51 7 29	1 12 5 42	2 28 23 38	0 15 22 22	1 2 15 33	16 8 12 57	12 33 20 17	3 28 2 40				
F 18	20 42 24 40	5 13 23 11	1 56 5 57	0 53 11 40	3 53 7 31	1 12 5 43	2 28 23 38	0 15 22 22	1 3 15 32	16 7 12 58	12 34 20 19	3 29 2 40				
S 19	20 30 26 53	5 4 22 55	1 58 5 31	1 2 11 44	3 55 7 34	1 11 5 45	2 28 23 38	0 15 22 22	1 3 15 32	16 7 13 0	12 35 20 22	3 30 2 39				
S 20	20 17 27 53	4 41 22 38	2 0 5 4	1 10 11 49	3 57 7 37	1 11 5 46	2 28 23 38	0 15 22 22	1 3 15 31	16 7 13 1	12 36 20 24	3 30 2 39				
M21	20 4 27 29	4 5 22 19	2 2 4 38	1 19 11 54	3 59 7 39	1 11 5 47	2 27 23 38	0 16 22 22	1 3 15 30	16 6 13 3	12 38 20 26	3 31 2 39				
T 22	19 51 25 40	3 16 21 59	2 3 4 12	1 28 11 59	4 0 7 42	1 11 5 49	2 27 23 38	0 16 22 22	1 3 15 30	16 6 13 4	12 39 20 29	3 31 2 39				
W23	19 37 22 28	2 16 21 37	2 4 3 47	1 38 12 4	4 2 7 45	1 10 5 50	2 27 23 38	0 16 22 22	1 3 15 29	16 6 13 5	12 40 20 31	3 32 2 39				
T 24	19 23 18 4	1 8 21 13	2 5 3 21	1 47 12 10	4 4 7 48	1 10 5 52	2 26 23 38	0 16 22 22	1 3 15 29	16 6 13 6	12 41 20 33	3 33 2 38				
F 25	19 9 12 42	0n 5 20 48	2 5 2 56	1 57 12 16	4 6 7 51	1 10 5 53	2 26 23 38	0 16 22 22	1 3 15 28	16 5 13 6	12 42 20 35	3 34 2 38				
S 26	18 54 6 40	1 19 20 21	2 5 2 30	2 7 12 22	4 8 7 54	1 9 5 55	2 26 23 38	0 16 22 22	1 3 15 27	16 5 13 6	12 43 20 38	3 34 2 38				
S 27	18 39 0 14	2 30 19 53	2 4 2 6	2 17 12 28	4 9 7 57	1 9 5 57	2 26 23 37	0 16 22 22	1 3 15 27	16 5 13 5	12 44 20 40	3 35 2 38				
M28	18 24 6n15	3 32 19 23	2 3 1 41	2 27 12 35	4 11 8 1	1 9 5 58	2 25 23 37	0 16 22 22	1 3 15 26	16 4 13 5	12 45 20 42	3 36 2 38				
T 29	18 8 12 29	4 23 18 52	2 1 1 17	2 37 12 42	4 13 8 4	1 9 6 0	2 25 23 37	0 16 22 22	1 3 15 25	16 4 13 5	12 46 20 44	3 37 2 37				
W30	17 52 18 7	4 58 18 19	1 59 0 53	2 48 12 49	4 14 8 7	1 8 6 2	2 25 23 37	0 16 22 22	1 3 15 25	16 4 13 4	12 47 20 47	3 37 2 37				
T 31	17s36 22n47	5n14 17s45	1s56 0s30	2n59 12n56	4n16 8n10	1s 8 6n 3	2s25 23s37	0s16 22s21	1n 3 15s24	16s 4 13s 4	12s48 20s49	3n38 2n37				

Julian Day Number = 2386531.5, Delta T = 15.95 sec  
Ecliptic obliquity = 23°27'52", Nutation = 0°00'09", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°15'17", Lahiri = 21°22'18"

# ASTRODIENST EPHEMERIS for the year 1822

## geocentric

FEBRUARY 1822

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 42 32	11 <sup>38</sup> 01	4 <sup>11</sup> 9	18 <sup>38</sup> 18	22 <sup>38</sup> 25	6 <sup>38</sup> 38	23 <sup>38</sup> 54	21 <sup>38</sup> 18	5 <sup>38</sup> 25	4 <sup>38</sup> 8	28 <sup>38</sup> 15	25 <sup>38</sup> R22	26 <sup>38</sup> 7	14 <sup>38</sup> 0	3 <sup>38</sup> 9	F 1
S 2	8 46 29	12 <sup>38</sup> 51	18 <sup>20</sup>	20° 5	22°57	6 <sup>38</sup> 20	24° 2	21°22	5°28	4°10	28°17	25°21	26° 4	14° 7	3°11	S 2
S 3	8 50 25	13°39'40	2 <sup>38</sup> 28	21°52	23°27	6° 3	24°11	21°27	5°31	4°12	28°18	25°19	26° 1	14°13	3°14	S 3
M 4	8 54 22	14°40'28	16°27	23°39	23°55	5°44	24°20	21°31	5°34	4°14	28°19	25°18	25°58	14°20	3°16	M 4
T 5	8 58 19	15°41'14	0 <sup>38</sup> 15	25°27	24°22	5°25	24°29	21°36	5°37	4°16	28°20	25°17	25°55	14°27	3°19	T 5
W 6	9 2 15	16°41'59	13°49	27°14	24°47	5° 6	24°38	21°40	5°40	4°18	28°21	25°16	25°51	14°33	3°22	W 6
T 7	9 6 12	17°42'43	27° 7	29° 1	25°10	4°45	24°48	21°45	5°43	4°19	28°22	25°D16	25°48	14°40	3°24	T 7
F 8	9 10 8	18°43'25	10 <sup>38</sup> 7	0 <sup>38</sup> 47	25°31	4°25	24°57	21°49	5°46	4°21	28°23	25°16	25°45	14°47	3°27	F 8
S 9	9 14 5	19°44'06	22°49	2°33	25°50	4° 4	25° 7	21°54	5°49	4°23	28°25	25°16	25°42	14°54	3°30	S 9
S 10	9 18 1	20°44'46	5 <sup>38</sup> 16	4°17	26° 8	3°42	25°17	21°59	5°52	4°25	28°26	25°17	25°39	15° 0	3°33	S 10
M 11	9 21 58	21°45'25	17°28	6° 0	26°23	3°20	25°26	22° 4	5°55	4°26	28°27	25°17	25°36	15° 7	3°36	M 11
T 12	9 25 54	22°46'02	29°29	7°41	26°36	2°57	25°36	22° 9	5°57	4°28	28°28	25°18	25°32	15°14	3°39	T 12
W 13	9 29 51	23°46'39	11 <sup>38</sup> 24	9°19	26°46	2°35	25°46	22°14	6° 0	4°30	28°30	25°18	25°29	15°20	3°42	W 13
T 14	9 33 48	24°47'14	23°17	10°55	26°55	2°12	25°57	22°19	6° 3	4°31	28°31	25°18	25°26	15°27	3°45	T 14
F 15	9 37 44	25°47'48	5 <sup>38</sup> 11	12°27	27° 1	1°48	26° 7	22°25	6° 5	4°33	28°32	25°18	25°23	15°34	3°48	F 15
S 16	9 41 41	26°48'20	17°13	13°55	27° 5	1°25	26°17	22°30	6° 8	4°34	28°34	25°18	25°20	15°41	3°51	S 16
S 17	9 45 37	27°48'52	29°27	15°19	27°R 6	1° 1	26°28	22°35	6°11	4°36	28°35	25°18	25°16	15°47	3°54	S 17
M 18	9 49 34	28°49'22	11 <sup>38</sup> 56	16°37	27° 6	0°37	26°39	22°41	6°13	4°38	28°36	25°19	25°13	15°54	3°57	M 18
T 19	9 53 30	29°49'51	24°43	17°49	27° 2	0°13	26°49	22°46	6°16	4°39	28°38	25°19	25°10	16° 1	4° 0	T 19
W 20	9 57 27	0 <sup>38</sup> 50'18	7 <sup>38</sup> 51	18°55	26°56	29°149	27° 0	22°52	6°18	4°41	28°39	25°19	25° 7	16° 8	4° 3	W 20
T 21	10 1 23	1°50'44	21°19	19°53	26°48	29°26	27°11	22°58	6°21	4°42	28°40	25°R20	25° 4	16°14	4° 6	T 21
F 22	10 5 20	2°51'08	5 <sup>38</sup> 7	20°43	26°37	29° 2	27°22	23° 3	6°23	4°43	28°42	25°20	25° 1	16°21	4° 9	F 22
S 23	10 9 17	3°51'30	19°11	21°25	26°23	28°38	27°33	23° 9	6°25	4°45	28°43	25°19	24°57	16°28	4°13	S 23
S 24	10 13 13	4°51'50	3 <sup>38</sup> 27	21°58	26° 7	28°14	27°45	23°15	6°28	4°46	28°44	25°18	24°54	16°34	4°16	S 24
M 25	10 17 10	5°52'09	17°51	22°22	25°49	27°51	27°56	23°21	6°30	4°47	28°46	25°17	24°51	16°41	4°19	M 25
T 26	10 21 6	6°52'25	2 <sup>38</sup> 18	22°36	25°28	27°28	28° 7	23°27	6°32	4°49	28°47	25°16	24°48	16°48	4°22	T 26
W 27	10 25 3	7°52'40	16°41	22°R40	25° 5	27° 5	28°19	23°33	6°34	4°50	28°49	25°14	24°45	16°55	4°26	W 27
T 28	10 28 59	8 <sup>38</sup> 52'53	0 <sup>38</sup> 58	22 <sup>38</sup> 35	24 <sup>38</sup> 40	26°143	28°31	23°39	6°36	4°51	28°50	25°14	24°42	17°11	4°29	T 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
F 1	17s19	26n 6	5n12	17s 9	1s53	0s 7	3n 9	13n 4	4n17	8n14	1s 8	6n 5	2s24	23s37	0s16	22s21	1n 3	15s23	16s 3	13s 5	12s49	20s51	3n39	2n37			
S 2	17 2	27 47	4 51	16 32	1 49	0n16	3 20	13 11	4 18	8 17	1 8	6 7	2 24	23 37	0 16	22 21	1 3	15 23	16 3	13 5	12 51	20 53	3 40	2 37			
S 3	16 44	27 39	4 12	15 53	1 44	0 38	3 32	13 19	4 20	8 21	1 7	6 9	2 24	23 37	0 16	22 21	1 3	15 22	16 3	13 6	12 52	20 56	3 41	2 37			
M 4	16 27	25 44	3 19	15 13	1 39	1 0	3 43	13 27	4 21	8 24	1 7	6 11	2 24	23 37	0 16	22 21	1 3	15 21	16 3	13 6	12 53	20 58	3 42	2 36			
T 5	16 9	22 18	2 14	14 31	1 34	1 21	3 54	13 35	4 22	8 28	1 7	6 12	2 23	23 36	0 16	22 21	1 3	15 21	16 3	13 7	12 54	21 0	3 42	2 36			
W 6	15 51	17 42	1 3	13 49	1 27	1 41	4 6	13 44	4 23	8 31	1 7	6 14	2 23	23 36	0 16	22 21	1 3	15 20	16 2	13 7	12 55	21 2	3 43	2 36			
T 7	15 32	12 19	0s10	13 5	1 20	2 1	4 18	13 52	4 24	8 35	1 6	6 16	2 23	23 36	0 16	22 21	1 3	15 19	16 2	13 7	12 56	21 4	3 44	2 36			
F 8	15 14	6 32	1 21	12 20	1 12	2 21	4 30	14 0	4 25	8 39	1 6	6 18	2 23	23 36	0 16	22 21	1 3	15 19	16 2	13 7	12 57	21 7	3 45	2 36			
S 9	14 55	0 36	2 27	11 34	1 4	2 39	4 42	14 9	4 25	8 42	1 6	6 20	2 23	23 36	0 16	22 21	1 3	15 18	16 2	13 7	12 58	21 9	3 46	2 36			
S 10	14 36	5s13	3 24	10 48	0 55	2 57	4 54	14 17	4 26	8 46	1 6	6 22	2 22	23 36	0 16	22 21	1 3	15 17	16 1	13 6	12 59	21 11	3 47	2 35			
M11	14 16	10 43	4 11	10 1	0 45	3 14	5 6	14 26	4 27	8 50	1 5	6 24	2 22	23 36	0 16	22 21	1 3	15 17	16 1	13 6	13 0	21 13	3 48	2 35			
T 12	13 56	15 45	4 46	9 14	0 34	3 30	5 18	14 35	4 27	8 54	1 5	6 26	2 22	23 36	0 16	22 21	1 3	15 16	16 1	13 6	13 1	21 15	3 49	2 35			
W13	13 37	20 8	5 8	8 26	0 23	3 46	5 30	14 43	4 27	8 58	1 5	6 28	2 22	23 36	0 16	22 21	1 3	15 15	16 1	13 6	13 2	21 17	3 50	2 35			
T 14	13 16	23 43	5 17	7 39	0 11	4 0	5 42	14 52	4 28	9 2	1 5	6 31	2 21	23 35	0 16	22 20	1 3	15 15	16 1	13 6	13 3	21 20	3 51	2 35			
F 15	12 56	26 18	5 12	6 52	0n 2	4 14	5 54	15 0	4 28	9 5	1 5	6 33	2 21	23 35	0 16	22 20	1 3	15 14	16 0	13 6	13 4	21 22	3 52	2 35			
S 16	12 35	27 44	4 54	6 6	0 15	4 26	6 6	15 9	4 28	9 9	1 4	6 35	2 21	23 35	0 16	22 20	1 3	15 13	16 0	13 6	13 6	21 24	3 53	2 34			
S 17	12 15	27 50	4 23	5 21	0 29	4 38	6 18	15 18	4 28	9 13	1 4	6 37	2 21	23 35	0 16	22 20	1 3	15 13	16 0	13 6	13 7	21 26	3 54	2 34			
M18	11 54	26 33	3 38	4 38	0 43	4 48	6 30	15 26	4 28	9 17	1 4	6 39	2 21	23 35	0 16	22 20	1 3	15 12	16 0	13 6	13 8	21 28	3 56	2 34			
T 19	11 33	23 51	2 42	3 56	0 58	4 58	6 42	15 34	4 27	9 22	1 4	6 42	2 20	23 35	0 16	22 20	1 3	15 11	16 0	13 6	13 9	21 30	3 57	2 34			
W20	11 11	19 52	1 35	3 17	1 13	5 6	6 53	15 42	4 27	9 26	1 4	6 44	2 20	23 35	0 16	22 20	1 3	15 11	16 0	13 6	13 10	21 32	3 58	2 34			
T 21	10 50	14 46	0 22	2 40	1 28	5 13	7 4	15 50	4 27	9 30	1 3	6 46	2 20	23 35	0 16	22 20	1 3	15 10	15 59	13 6	13 11	21 35	3 59	2 34			
F 22	10 28	8 49	0n54	2 6	1 43	5 18	7 15	15 58	4 26	9 34	1 3	6 48	2 20	23 35	0 16	22 20	1 3	15 9	15 59	13 6	13 12	21 37	4 0	2 34			
S 23	10 6	2 19	2 8	1 36	1 58	5 23	7 26	16 6	4 25	9 38	1 3	6 51	2 20	23 35	0 16	22 20	1 3	15 8	15 59	13 6	13 13	21 39	4 1	2 33			
S 24	9 44	4n22	3 16	1 9	2 13	5 25	7 36	16 14	4 24	9 42	1 3	6 53	2 19	23 34	0 16	22 20	1 3	15 8	15 59	13 6	13 14	21 41	4 2	2 33			
M25	9 22	10 53	4 11	0 47	2 27	5 27	7 45	16 21	4 24	9 47	1 3	6 55	2 19	23 34	0 16	22 20	1 3	15 7	15 59	13 6	13 15	21 43	4 4	2 33			
T 26	9 0	16 50	4 51	0 29	2 40	5 27	7 55	16 28	4 23	9 51	1 2	6 58	2 19	23 34	0 16	22 20	1 3	15 6	15 59	13 7	13 16	21 45	4 5	2 33			
W27	8 37	21 50	5 13	0 16	2 53	5 26	8 3	16 35	4 21	9 55	1 2	7 0	2 19	23 34	0 16	22 20	1 3	15 6	15 59	13 7	13 17	21 47	4 6	2 33			
T 28	8s15	25n30	5n14	0s 7	3n 5	5n23	8n11	16n42	4n20	9n59	1s 2	7n 3	2s19	23s34	0s16	22s19	1n 3	15s 5	15s59	13s 8	13s18	21s49	4n 7	2n33			

Julian Day Number = 2386562.5, Delta T = 15.91 sec

Ecliptic obliquity = 23°27'52, Nutation = 0°00'11, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°15'22, Lahiri = 21°22'22

ASTRODIENST EPHEMERIS for the year 1822  
geocentric

MARCH 1822

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 32 56	9♂53'03	15♂ 7	22°R21	24°R13	26°R21	28°Y42	23°Y45	6♂38	4♂53	28♂51	25°D14	24♂38	17♂ 8	4°Y32	F 1
S 2	10 36 52	10°53'12	29° 4	21♂57	23♂43	25♂59	28°54	23°52	6°41	4°54	28°53	25♂14	24°35	17°15	4°36	S 2
S 3	10 40 49	11°53'18	12♂49	21°26	23°12	25°38	29° 6	23°58	6°43	4°55	28°54	25°15	24°32	17°21	4°39	S 3
M 4	10 44 46	12°53'22	26°22	20°46	22°39	25°17	29°18	24° 4	6°44	4°56	28°56	25°17	24°29	17°28	4°43	M 4
T 5	10 48 42	13°53'25	9♂42	20° 1	22° 5	24°57	29°30	24°11	6°46	4°57	28°57	25°18	24°26	17°35	4°46	T 5
W 6	10 52 39	14°53'25	22°50	19°10	21°30	24°37	29°42	24°17	6°48	4°58	28°59	25°R19	24°22	17°42	4°49	W 6
T 7	10 56 35	15°53'22	5♂45	18°15	20°53	24°18	29°54	24°24	6°50	4°59	29° 0	25°18	24°19	17°48	4°53	T 7
F 8	11 0 32	16°53'18	18°28	17°17	20°16	24° 0	0♂ 7	24°30	6°52	5° 0	29° 2	25°17	24°16	17°55	4°56	F 8
S 9	11 4 28	17°53'12	0♂58	16°18	19°39	23°42	0°19	24°37	6°54	5° 1	29° 3	25°14	24°13	18° 2	5° 0	S 9
S 10	11 8 25	18°53'04	13°17	15°18	19° 1	23°24	0°32	24°43	6°55	5° 2	29° 5	25°11	24°10	18° 9	5° 3	S 10
M 11	11 12 21	19°52'55	25°25	14°20	18°23	23° 8	0°44	24°50	6°57	5° 3	29° 6	25° 6	24° 7	18°15	5° 7	M 11
T 12	11 16 18	20°52'43	7♂26	13°25	17°46	22°52	0°57	24°57	6°59	5° 4	29° 8	25° 2	24° 3	18°22	5°10	T 12
W 13	11 20 15	21°52'30	19°20	12°33	17° 9	22°37	1° 9	25° 4	7° 0	5° 5	29° 9	24°58	24° 0	18°29	5°14	W 13
T 14	11 24 11	22°52'15	1♂13	11°45	16°33	22°22	1°22	25°10	7° 2	5° 6	29°11	24°55	23°57	18°35	5°17	T 14
F 15	11 28 8	23°51'59	13° 7	11° 3	15°58	22° 9	1°35	25°17	7° 3	5° 6	29°12	24°53	23°54	18°42	5°21	F 15
S 16	11 32 4	24°51'40	25° 7	10°25	15°24	21°56	1°48	25°24	7° 4	5° 7	29°14	24°D52	23°51	18°49	5°25	S 16
S 17	11 36 1	25°51'20	7♂18	9°54	14°51	21°43	2° 1	25°31	7° 6	5° 8	29°15	24°53	23°48	18°56	5°28	S 17
M 18	11 39 57	26°50'59	19°44	9°29	14°21	21°32	2°14	25°38	7° 7	5° 9	29°17	24°54	23°44	19° 2	5°32	M 18
T 19	11 43 54	27°50'35	2♂31	9°10	13°52	21°21	2°27	25°45	7° 8	5° 9	29°18	24°56	23°41	19° 9	5°35	T 19
W 20	11 47 50	28°50'10	15°41	8°57	13°25	21°11	2°40	25°52	7°10	5°10	29°20	24°57	23°38	19°16	5°39	W 20
T 21	11 51 47	29°49'42	29°17	8°51	13° 0	21° 2	2°53	25°59	7°11	5°10	29°21	24°R58	23°35	19°22	5°43	T 21
F 22	11 55 44	0°Y49'13	13♂18	8°D50	12°37	20°54	3° 6	26° 7	7°12	5°11	29°23	24°56	23°32	19°29	5°46	F 22
S 23	11 59 40	1°48'42	27°42	8°55	12°17	20°46	3°19	26°14	7°13	5°12	29°24	24°53	23°28	19°36	5°50	S 23
S 24	12 3 37	2°48'09	12°Y24	9° 5	11°59	20°40	3°33	26°21	7°14	5°12	29°26	24°48	23°25	19°43	5°53	S 24
M 25	12 7 33	3°47'34	27°16	9°21	11°43	20°34	3°46	26°28	7°15	5°12	29°27	24°43	23°22	19°49	5°57	M 25
T 26	12 11 30	4°46'57	12♂10	9°42	11°30	20°29	4° 0	26°36	7°16	5°13	29°29	24°37	23°19	19°56	6° 1	T 26
W 27	12 15 26	5°46'17	26°57	10° 8	11°19	20°24	4°13	26°43	7°17	5°13	29°30	24°31	23°16	20° 3	6° 4	W 27
T 28	12 19 23	6°45'35	11♂31	10°38	11°10	20°21	4°27	26°50	7°17	5°14	29°32	24°27	23°13	20°10	6° 8	T 28
F 29	12 23 19	7°44'51	25°47	11°12	11° 4	20°18	4°40	26°58	7°18	5°14	29°33	24°24	23° 9	20°16	6°12	F 29
S 30	12 27 16	8°44'05	9♂43	11°51	11° 1	20°16	4°54	27° 5	7°19	5°14	29°35	24°D24	23° 6	20°23	6°15	S 30
S 31	12 31 13	9°Y43'16	23♂19	12♂33	11°D 0	20♂14	5♂ 7	27°Y12	7♂19	5♂15	29♂36	24♂25	23♂ 3	20♂30	6°Y19	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	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
F 1	7s52	27n33	4n57	0s 3	3n15	5n19	8n18	16n48	4n19	10n 4	1s 2	7n 5	2s19	23s34	0s16	22s19	1n 3	15s 4	15s58	13s 8	13s19	21s51	4n 8	2n33
S 2	7 29	27 50	4 23	0 4	3 24	5 14	8 25	16 54	4 18	10 8	1 2	7 7	2 18	23 34	0 16	22 19	1 3	15 4	15 58	13 7	13 20	21 53	4 10	2 33
S 3	7 7	26 23	3 34	0 10	3 31	5 7	8 31	17 0	4 16	10 13	1 1	7 10	2 18	23 34	0 16	22 19	1 3	15 3	15 58	13 7	13 21	21 55	4 11	2 32
M 4	6 44	23 24	2 33	0 21	3 36	4 59	8 36	17 6	4 15	10 17	1 1	7 12	2 18	23 34	0 16	22 19	1 3	15 2	15 58	13 7	13 23	21 57	4 12	2 32
T 5	6 21	19 12	1 25	0 36	3 40	4 49	8 40	17 11	4 13	10 21	1 1	7 15	2 18	23 34	0 16	22 19	1 3	15 2	15 58	13 6	13 24	22 0	4 13	2 32
W 6	5 57	14 8	0 14	0 54	3 41	4 38	8 43	17 16	4 11	10 26	1 1	7 17	2 18	23 34	0 16	22 19	1 3	15 1	15 58	13 6	13 25	22 2	4 15	2 32
T 7	5 34	8 32	0s57	1 17	3 40	4 26	8 45	17 21	4 9	10 30	1 1	7 20	2 18	23 34	0 16	22 19	1 3	15 1	15 58	13 6	13 26	22 4	4 16	2 32
F 8	5 11	2 40	2 4	1 42	3 37	4 13	8 46	17 26	4 8	10 35	1 0	7 22	2 17	23 34	0 16	22 19	1 3	15 0	15 58	13 7	13 27	22 6	4 17	2 32
S 9	4 48	3s12	3 4	2 9	3 32	3 58	8 47	17 30	4 6	10 39	1 0	7 25	2 17	23 33	0 16	22 19	1 3	14 59	15 58	13 7	13 28	22 8	4 18	2 32
S 10	4 24	8 50	3 54	2 38	3 26	3 43	8 46	17 34	4 4	10 44	1 0	7 28	2 17	23 33	0 16	22 19	1 3	14 59	15 58	13 9	13 29	22 10	4 20	2 32
M 11	4 1	14 4	4 32	3 8	3 17	3 27	8 44	17 37	4 2	10 48	1 0	7 30	2 17	23 33	0 16	22 19	1 3	14 58	15 58	13 10	13 30	22 12	4 21	2 32
T 12	3 37	18 42	4 59	3 39	3 7	3 10	8 42	17 41	4 0	10 53	1 0	7 33	2 17	23 33	0 16	22 19	1 3	14 57	15 58	13 11	13 31	22 14	4 22	2 31
W 13	3 14	22 34	5 12	4 9	2 56	2 52	8 38	17 44	3 57	10 57	1 0	7 35	2 17	23 33	0 16	22 19	1 3	14 57	15 58	13 13	13 32	22 16	4 24	2 31
T 14	2 50	25 30	5 11	4 39	2 43	2 34	8 34	17 46	3 55	11 2	1 0	7 38	2 17	23 33	0 16	22 19	1 3	14 56	15 58	13 14	13 33	22 18	4 25	2 31
F 15	2 26	27 19	4 57	5 8	2 30	2 16	8 28	17 49	3 53	11 7	0 59	7 41	2 16	23 33	0 16	22 19	1 3	14 55	15 58	13 14	13 34	22 20	4 26	2 31
S 16	2 3	27 53	4 31	5 35	2 15	1 57	8 22	17 51	3 51	11 11	0 59	7 43	2 16	23 33	0 17	22 18	1 4	14 55	15 58	13 15	13 35	22 22	4 28	2 31
S 17	1 39	27 7	3 51	6 0	2 1	1 38	8 15	17 53	3 49	11 16	0 59	7 46	2 16	23 33	0 17	22 18	1 4	14 54	15 58	13 15	13 36	22 24	4 29	2 31
M 18	1 15	24 59	3 1	6 23	1 46	1 19	8 7	17 54	3 46	11 20	0 59	7 48	2 16	23 33	0 17	22 18	1 4	14 54	15 58	13 14	13 37	22 26	4 30	2 31
T 19	0 52	21 33	1 59	6 44	1 31	1 1	7 58	17 56	3 44	11 25	0 59	7 51	2 16	23 33	0 17	22 18	1 4	14 53	15 58	13 13	13 38	22 27	4 32	2 31
W 20	0 28	16 57	0 50	7 3	1 16	0 42	7 49	17 57	3 41	11 30	0 59	7 54	2 16	23 33	0 17	22 18	1 4	14 52	15 58	13 13	13 39	22 29	4 33	2 31
T 21	0 4	11 22	0n24	7 20	1 1	0 24	7 40	17 57	3 39	11 34	0 58	7 56	2 16	23 33	0 17	22 18	1 4	14 52	15 58	13 13	13 40	22 31	4 34	2 31
F 22	0n20	5 4	1 38	7 33	0 46	0 5	7 29	17 58	3 37	11 39	0 58	7 59	2 16	23 33	0 17	22 18	1 4	14 51	15 58	13 13	13 41	22 33	4 36	2 31
S 23	0 43	1n40	2 49	7 45	0 31	0s12	7 18	17 58	3 34	11 43	0 58	8 2	2 15	23 33	0 17	22 18	1 4	14 51	15 58	13 14	13 43	22 35	4 37	2 30
S 24	1 7	8 25	3 49	7 54	0 17	0 29	7 7	17 58	3 32	11 48	0 58	8 5	2 15	23 33	0 17	22 18	1 4	14 50	15 58	13 16	13 44	22 37	4 39	2 30
M 25	1 31	14 47	4 35	8 1	0 4	0 46	6 56	17 57	3 29	11 53	0 58	8 7	2 15	23 33	0 17	22 18	1 4	14 50	15 58	13 18	13 45	22 39	4 40	2 30
T 26	1 54	20 17	5 2	8 5	0s10	1 2	6 44	17 57	3 27	11 57	0 58	8 10	2 15	23 33	0 17	22 18	1 4	14 49	15 58	13 20	13 46	22 41	4 41	2 30
W 27	2 18	24 30	5 9	8 7	0 22	1 17	6 32	17 56	3 24	12 2	0 58	8 13	2 15	23 33	0 17	22 18	1 4	14 48	15 58	13 22	13 47	22 43	4 43	2 30
T 28	2 41	27 4	4 56	8 7	0 34	1 32	6 20	17 55	3 22	12 7	0 57	8 15	2 15	23 33	0 17	22 18	1 4	14 48	15 58	13 23	13 48	22 45	4 44	2 30
F 29	3 5	27 48	4 24	8 5	0 46	1 45	6 7	17 53	3 19	12 11	0 57	8 18	2 15	23 33	0 17	22 18	1 4	14 47	15 58	13 24	13 49	22 47	4 45	2 30
S 30	3 28	26 44	3 38	8 0	0 57	1 58	5 55	17 51	3 17	12 16	0 57	8 21	2 15	23 33	0 17	22 18	1 4	14 47	15 58	13 24	13 50	22 49	4 47	2 30
S 31	3n51	24n 5	2n40	7s54	1s 8	2s10	5n42	17n50	3n14	12n21	0s57	8n24	2s15	23s33	0s17	22s18	1n 4	14s46	15s58	13s24	13s51	22s50	4n48	2n30

ASTRODIENST EPHEMERIS for the year 1822  
geocentric

APRIL 1822

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 35 9	10°42'25"	6°37'	13°19'	11°11'	20°14'	5°21'	27°20'	7°20'	5°15'	29°38'	24°26'	23°00'	20°36'	6°22'	M 1
T 2	12 39 6	11°41'31"	19°38'	14°8'	11°5'	20°14'	5°35'	27°27'	7°21'	5°15'	29°39'	24°R27'	22°57'	20°43'	6°26'	T 2
W 3	12 43 2	12°40'36"	2°17'25"	15°1'	11°11'	20°15'	5°49'	27°35'	7°21'	5°15'	29°41'	24°27'	22°54'	20°50'	6°30'	W 3
T 4	12 46 59	13°39'37"	15°0'	15°57'	11°19'	20°17'	6°2'	27°42'	7°21'	5°15'	29°42'	24°24'	22°50'	20°57'	6°33'	T 4
F 5	12 50 55	14°38'37"	27°25'	16°55'	11°29'	20°19'	6°16'	27°50'	7°22'	5°15'	29°44'	24°20'	22°47'	21°3'	6°37'	F 5
S 6	12 54 52	15°37'35"	9°41'	17°57'	11°42'	20°22'	6°30'	27°57'	7°22'	5°15'	29°45'	24°13'	22°44'	21°10'	6°40'	S 6
S 7	12 58 48	16°36'30"	21°50'	19°1'	11°56'	20°26'	6°44'	28°5'	7°22'	5°15'	29°46'	24°4'	22°41'	21°17'	6°44'	S 7
M 8	13 2 45	17°35'24"	3°11'51"	20°7'	12°13'	20°30'	6°58'	28°12'	7°23'	5°15'	29°48'	23°54'	22°38'	21°24'	6°48'	M 8
T 9	13 6 41	18°34'16"	15°48'	21°16'	12°31'	20°35'	7°12'	28°20'	7°23'	5°15'	29°49'	23°44'	22°34'	21°30'	6°51'	T 9
W10	13 10 38	19°33'06"	27°41'	22°27'	12°52'	20°41'	7°26'	28°27'	7°23'	5°15'	29°51'	23°34'	22°31'	21°37'	6°55'	W10
T 11	13 14 35	20°31'54"	9°33'	23°41'	13°14'	20°47'	7°40'	28°35'	7°23'	5°15'	29°52'	23°25'	22°28'	21°44'	6°58'	T 11
F 12	13 18 31	21°30'40"	21°27'	24°56'	13°38'	20°54'	7°54'	28°43'	7°R23'	5°15'	29°54'	23°18'	22°25'	21°50'	7°2'	F 12
S 13	13 22 28	22°29'24"	3°25'	26°14'	14°3'	21°2'	8°8'	28°50'	7°23'	5°15'	29°55'	23°14'	22°22'	21°57'	7°5'	S 13
S 14	13 26 24	23°28'07"	15°34'	27°34'	14°31'	21°10'	8°22'	28°58'	7°23'	5°15'	29°56'	23°12'	22°19'	22°4'	7°9'	S 14
M15	13 30 21	24°26'48"	27°57'	28°56'	15°0'	21°19'	8°36'	29°5'	7°23'	5°14'	29°58'	23°D12'	22°15'	22°11'	7°12'	M15
T 16	13 34 17	25°25'28"	10°39'	0°19'	15°30'	21°29'	8°50'	29°13'	7°23'	5°14'	29°59'	23°12'	22°12'	22°17'	7°16'	T 16
W17	13 38 14	26°24'06"	23°45'	1°45'	16°2'	21°39'	9°4'	29°21'	7°22'	5°14'	0°1'	23°R13'	22°9'	22°24'	7°19'	W17
T 18	13 42 10	27°22'42"	7°18'	3°12'	16°35'	21°49'	9°19'	29°28'	7°22'	5°14'	0°2'	23°12'	22°6'	22°31'	7°23'	T 18
F 19	13 46 7	28°21'16"	21°20'	4°42'	17°10'	22°0'	9°33'	29°36'	7°22'	5°13'	0°3'	23°9'	22°3'	22°37'	7°26'	F 19
S 20	13 50 4	29°19'48"	5°50'	6°13'	17°45'	22°12'	9°47'	29°44'	7°21'	5°13'	0°5'	23°4'	21°59'	22°44'	7°30'	S 20
S 21	13 54 0	0°18'19"	20°44'	7°46'	18°22'	22°24'	10°1'	29°51'	7°21'	5°12'	0°6'	22°56'	21°56'	22°51'	7°33'	S 21
M22	13 57 57	1°16'48"	5°53'	9°20'	19°1'	22°37'	10°15'	29°59'	7°21'	5°12'	0°7'	22°46'	21°53'	22°58'	7°36'	M22
T 23	14 1 53	2°15'15"	21°7'	10°57'	19°40'	22°50'	10°30'	0°8'	7°20'	5°11'	0°9'	22°36'	21°50'	23°4'	7°40'	T 23
W24	14 5 50	3°13'41"	6°11'	12°35'	20°21'	23°4'	10°44'	0°14'	7°19'	5°11'	0°10'	22°27'	21°47'	23°11'	7°43'	W24
T 25	14 9 46	4°12'04"	21°8'	14°15'	21°2'	23°19'	10°58'	0°22'	7°19'	5°10'	0°11'	22°19'	21°44'	23°18'	7°47'	T 25
F 26	14 13 43	5°10'25"	5°39'	15°56'	21°45'	23°33'	11°12'	0°29'	7°18'	5°10'	0°13'	22°13'	21°40'	23°25'	7°50'	F 26
S 27	14 17 39	6°8'45"	19°44'	17°40'	22°28'	23°49'	11°27'	0°37'	7°17'	5°9'	0°14'	22°11'	21°37'	23°31'	7°53'	S 27
S 28	14 21 36	7°7'02"	3°23'	19°25'	23°13'	24°4'	11°41'	0°45'	7°17'	5°9'	0°15'	22°D10'	21°34'	23°38'	7°56'	S 28
M29	14 25 33	8°5'17"	16°37'	21°12'	23°58'	24°21'	11°55'	0°52'	7°16'	5°8'	0°16'	22°R10'	21°31'	23°45'	8°0'	M29
T 30	14 29 29	9°3'29"	29°23'	23°1'	24°44'	24°23'	12°8'	1°8'	7°15'	5°8'	0°18'	22°22'	21°28'	23°45'	8°3'	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	4n15	20n10	1n35	7s45	1s18	2s22	5n29	17n47	3n12	12n25	0s57	8n26	2s15	23s33	0s17	22s18	1n4	14s46	15s58	13s24	13s52	22s52	4n50	2n30				
T 2	4 38	15 21	0 26	7 35	1 27	2 32	5 17	17 45	3 10	12 30	0 57	8 29	2 15	23 33	0 17	22 18	1 4	14 45	15 58	13 23	13 53	22 54	4 51	2 30				
W 3	5 1	9 57	0s43	7 23	1 36	2 42	5 4	17 42	3 7	12 35	0 57	8 32	2 15	23 33	0 17	22 18	1 4	14 45	15 58	13 23	13 54	22 56	4 52	2 30				
T 4	5 24	4 15	1 48	7 9	1 44	2 50	4 51	17 40	3 5	12 39	0 57	8 34	2 14	23 33	0 17	22 18	1 4	14 44	15 58	13 24	13 55	22 58	4 54	2 30				
F 5	5 47	1s32	2 48	6 53	1 52	2 58	4 39	17 36	3 2	12 44	0 57	8 37	2 14	23 33	0 17	22 18	1 4	14 44	15 58	13 25	13 56	23 0	4 55	2 30				
S 6	6 9	7 11	3 38	6 35	1 59	3 5	4 26	17 33	3 0	12 49	0 56	8 40	2 14	23 33	0 17	22 18	1 4	14 43	15 58	13 28	13 57	23 2	4 56	2 30				
S 7	6 32	12 30	4 18	6 16	2 5	3 11	4 14	17 30	2 57	12 53	0 56	8 43	2 14	23 33	0 17	22 18	1 4	14 43	15 59	13 31	13 58	23 3	4 58	2 30				
M 8	6 55	17 18	4 46	5 56	2 11	3 16	4 2	17 26	2 55	12 58	0 56	8 45	2 14	23 33	0 17	22 18	1 4	14 42	15 59	13 34	13 59	23 5	4 59	2 30				
T 9	7 17	21 24	5 2	5 33	2 16	3 20	3 50	17 22	2 53	13 3	0 56	8 48	2 14	23 33	0 17	22 17	1 4	14 42	15 59	13 37	14 0	23 7	5 1	2 29				
W10	7 39	24 36	5 4	5 9	2 21	3 23	3 38	17 18	2 50	13 7	0 56	8 51	2 14	23 33	0 17	22 17	1 4	14 41	15 59	13 41	14 1	23 9	5 2	2 29				
T 11	8 2	26 44	4 53	4 44	2 25	3 26	3 26	17 14	2 48	13 12	0 56	8 54	2 14	23 33	0 17	22 17	1 4	14 41	15 59	13 44	14 2	23 11	5 3	2 29				
F 12	8 24	27 40	4 29	4 18	2 29	3 27	3 14	17 9	2 46	13 17	0 56	8 56	2 14	23 33	0 17	22 17	1 4	14 41	15 59	13 46	14 3	23 13	5 5	2 29				
S 13	8 46	27 19	3 53	3 50	2 32	3 28	3 3	17 5	2 43	13 21	0 56	8 59	2 14	23 33	0 17	22 17	1 4	14 40	15 59	13 47	14 4	23 14	5 6	2 29				
S 14	9 7	25 39	3 7	3 20	2 35	3 28	2 52	17 0	2 41	13 26	0 56	9 2	2 14	23 33	0 17	22 17	1 4	14 40	15 59	13 48	14 5	23 16	5 7	2 29				
M15	9 29	22 44	2 11	2 49	2 37	3 27	2 41	16 55	2 39	13 30	0 55	9 4	2 14	23 33	0 17	22 17	1 4	14 39	16 0	13 48	14 6	23 18	5 9	2 29				
T 16	9 51	18 39	1 7	2 17	2 38	3 25	2 30	16 50	2 37	13 35	0 55	9 7	2 14	23 33	0 17	22 17	1 4	14 39	16 0	13 48	14 7	23 20	5 10	2 29				
W17	10 12	13 35	0n3	1 44	2 39	3 22	2 19	16 44	2 34	13 40	0 55	9 10	2 14	23 33	0 17	22 17	1 4	14 38	16 0	13 48	14 9	23 21	5 12	2 29				
T 18	10 33	7 41	1 14	1 10	2 40	3 19	2 9	16 39	2 32	13 44	0 55	9 13	2 14	23 33	0 17	22 17	1 4	14 38	16 0	13 48	14 10	23 23	5 13	2 29				
F 19	10 54	1 14	2 24	0 34	2 40	3 15	1 59	16 33	2 30	13 49	0 55	9 15	2 14	23 33	0 17	22 17	1 4	14 38	16 0	13 49	14 11	23 25	5 14	2 29				
S 20	11 15	5n28	3 26	0n2	2 39	3 10	1 49	16 27	2 28	13 53	0 55	9 18	2 14	23 33	0 17	22 17	1 4	14 37	16 0	13 51	14 12	23 27	5 16	2 29				
S 21	11 35	12 3	4 16	0 40	2 38	3 5	1 39	16 21	2 26	13 58	0 55	9 21	2 14	23 33	0 17	22 17	1 4	14 37	16 1	13 53	14 13	23 28	5 17	2 29				
M22	11 56	18 2	4 49	1 19	2 36	2 59	1 30	16 15	2 23	14 3	0 55	9 23	2 14	23 33	0 17	22 17	1 5	14 37	16 1	13 56	14 14	23 30	5 18	2 29				
T 23	12 16	22 54	5 2	1 59	2 34	2 52	1 20	16 9	2 21	14 7	0 55	9 26	2 14	23 33	0 17	22 17	1 5	14 36	16 1	14 0	14 15	23 32	5 20	2 29				
W24	12 36	26 11	4 53	2 40	2 31	2 44	1 11	16 2	2 19	14 12	0 55	9 29	2 14	23 33	0 17	22 17	1 5	14 36	16 1	14 3	14 16	23 34	5 21	2 29				
T 25	12 56	27 34	4 25	3 21	2 28	2 36	1 2	15 55	2 17	14 16	0 55	9 31	2 14	23 33	0 17	22 17	1 5	14 36	16 1	14 5	14 17	23 35	5 22	2 29				
F 26	13 16	27 0	3 40	4 4	2 24	2 28	0 53	15 48	2 15	14 21	0 55	9 34	2 14	23 33	0 17	22 17	1 5	14 35	16 2	14 7	14 18	23 37	5 24	2 29				
S 27	13 35	24 42	2 43	4 48	2 19	2 18	0 45	15 41	2 13	14 25	0 54	9 37	2 14	23 33	0 17	22 17	1 5	14 35	16 2	14 8	14 19	23 39	5 25	2 29				
S 28	13 54	21 0	1 38	5 32	2 14	2 8	0 37	15 34	2 11	14 30	0 54	9 39	2 14	23 33	0 18	22 17	1 5	14 35	16 2	14 8	14 20	23 41	5 26	2 29				
M29	14 13	16 20	0 29	6 17	2 9	1 58	0 29	15 27	2 9	14 34	0 54	9 42	2 14	23 33	0 18	22 17	1 5	14 34	16 2	14 8	14 21	23 42	5 27	2 29				
T 30	14n32	11n3	0s39	7n3	2s3	1s47	0n21	15n20	2n7	14n38	0s54	9n45	2s14	23s33	0s18	22s17	1n5	14s34	16s3	14s8	14s22	23s44	5n29	2n29				

ASTRODIENST EPHEMERIS for the year 1822  
geocentric

MAY 1822

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	14 33 26	10 <sup>8</sup> 1'40	12 <sup>11</sup> 6	24 <sup>19</sup> 51	25 <sup>11</sup> 31	24 <sup>12</sup> 54	12 <sup>28</sup> 24	1 <sup>18</sup> 7	7°R14	5°R 6	0°V19	22°R 8	21 <sup>22</sup> 25	23 <sup>11</sup> 58	8°V 6	W 1
T 2	14 37 22	10°59'49	24°28	26°44	26°19	25°12	12°38	1°15	7 <sup>13</sup> 13	5 <sup>13</sup> 6	0°20	22 <sup>22</sup> 5	21°21	24° 5	8° 9	T 2
F 3	14 41 19	11°57'56	6 <sup>24</sup> 41	28°38	27° 7	25°30	12°53	1°23	7°12	5° 5	0°21	21°58	21°18	24°12	8°12	F 3
S 4	14 45 15	12°56'01	18°46	0 <sup>8</sup> 33	27°56	25°48	13° 7	1°30	7°11	5° 4	0°22	21°49	21°15	24°18	8°16	S 4
S 5	14 49 12	13°54'04	0 <sup>11</sup> 45	2°31	28°46	26° 7	13°21	1°38	7°10	5° 3	0°23	21°37	21°12	24°25	8°19	S 5
M 6	14 53 8	14°52'06	12°41	4°30	29°37	26°26	13°35	1°45	7° 9	5° 2	0°25	21°24	21° 9	24°32	8°22	M 6
T 7	14 57 5	15°50'06	24°34	6°32	0°V28	26°46	13°50	1°53	7° 8	5° 1	0°26	21° 9	21° 5	24°39	8°25	T 7
W 8	15 1 2	16°48'04	6 <sup>27</sup> 27	8°34	1°20	27° 6	14° 4	2° 0	7° 6	5° 1	0°27	20°56	21° 2	24°45	8°28	W 8
T 9	15 4 58	17°46'01	18°20	10°39	2°13	27°26	14°18	2° 8	7° 5	5° 0	0°28	20°44	20°59	24°52	8°31	T 9
F 10	15 8 55	18°43'57	0 <sup>3</sup> 15	12°44	3° 6	27°46	14°33	2°15	7° 4	4°59	0°29	20°35	20°56	24°59	8°34	F 10
S 11	15 12 51	19°41'51	12°16	14°51	4° 0	28° 7	14°47	2°23	7° 2	4°58	0°30	20°28	20°53	25° 5	8°37	S 11
S 12	15 16 48	20°39'44	24°26	17° 0	4°54	28°29	15° 1	2°30	7° 1	4°57	0°31	20°24	20°50	25°12	8°40	S 12
M13	15 20 44	21°37'35	6 <sup>28</sup> 48	19° 9	5°49	28°50	15°15	2°37	7° 0	4°56	0°32	20°22	20°46	25°19	8°42	M13
T 14	15 24 41	22°35'26	19°28	21°19	6°44	29°12	15°30	2°45	6°58	4°55	0°33	20°22	20°43	25°26	8°45	T 14
W15	15 28 37	23°33'15	2 <sup>11</sup> 29	23°30	7°40	29°35	15°44	2°52	6°57	4°53	0°34	20°22	20°40	25°32	8°48	W15
T 16	15 32 34	24°31'03	15°56	25°41	8°36	29°57	15°58	2°59	6°55	4°52	0°35	20°21	20°37	25°39	8°51	T 16
F 17	15 36 31	25°28'50	29°51	27°53	9°33	0 <sup>11</sup> 20	16°12	3° 7	6°54	4°51	0°36	20°18	20°34	25°46	8°54	F 17
S 18	15 40 27	26°26'35	14°V15	0 <sup>11</sup> 4	10°30	0°44	16°26	3°14	6°52	4°50	0°37	20°12	20°31	25°52	8°56	S 18
S 19	15 44 24	27°24'20	29° 5	2°15	11°28	1° 7	16°41	3°21	6°50	4°49	0°38	20° 4	20°27	25°59	8°59	S 19
M20	15 48 20	28°22'04	14 <sup>18</sup> 14	4°25	12°26	1°31	16°55	3°28	6°49	4°48	0°39	19°54	20°24	26° 6	9° 2	M20
T 21	15 52 17	29°19'46	29°33	6°34	13°24	1°55	17° 9	3°35	6°47	4°46	0°40	19°43	20°21	26°13	9° 4	T 21
W22	15 56 13	0 <sup>11</sup> 17'27	14 <sup>11</sup> 50	8°42	14°23	2°20	17°23	3°43	6°45	4°45	0°41	19°33	20°18	26°19	9° 7	W22
T 23	16 0 10	1°15'07	29°54	10°49	15°22	2°44	17°37	3°50	6°43	4°44	0°42	19°24	20°15	26°26	9° 9	T 23
F 24	16 4 7	2°12'45	14 <sup>16</sup> 36	12°53	16°22	3° 9	17°51	3°57	6°41	4°43	0°42	19°18	20°11	26°33	9°12	F 24
S 25	16 8 3	3°10'22	28°52	14°56	17°22	3°35	18° 5	4° 4	6°40	4°41	0°43	19°15	20° 8	26°40	9°14	S 25
S 26	16 12 0	4° 7'58	12 <sup>12</sup> 38	16°57	18°22	4° 0	18°19	4°11	6°38	4°40	0°44	19°14	20° 5	26°46	9°17	S 26
M27	16 15 56	5° 5'32	25°57	18°56	19°22	4°26	18°33	4°18	6°36	4°39	0°45	19°D14	20° 2	26°53	9°19	M27
T 28	16 19 53	6° 3'04	8 <sup>11</sup> 52	20°52	20°23	4°52	18°47	4°25	6°34	4°37	0°46	19°R14	19°59	27° 0	9°21	T 28
W29	16 23 49	7° 0'35	21°26	22°46	21°24	5°18	19° 1	4°32	6°32	4°36	0°46	19°13	19°56	27° 6	9°24	W29
T 30	16 27 46	7°58'05	3 <sup>12</sup> 44	24°37	22°25	5°45	19°15	4°38	6°30	4°34	0°47	19°10	19°52	27°13	9°26	T 30
F 31	16 31 42	8 <sup>11</sup> 55'34	15 <sup>12</sup> 50	26 <sup>11</sup> 25	23°V27	6 <sup>11</sup> 12	19 <sup>18</sup> 29	4 <sup>18</sup> 45	6 <sup>13</sup> 28	4 <sup>13</sup> 33	0°V48	19 <sup>22</sup> 5	19 <sup>22</sup> 49	27 <sup>11</sup> 20	9°V28	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	decl	lat
W 1	14n50	5n26	1s43	7n49	1s57	1s35	0n13	15n12	2n 5	14n43	0s54	9n47	2s14	23s34	0s18	22s17	1n 5	14s34	16s 3	14s 9	14s23	23s46	5n30	2n29									
T 2	15 9	0s17	2 42	8 36	1 50	1 23	0 5	15 4	2 3	14 47	0 54	9 50	2 14	23 34	0 18	22 17	1 5	14 34	16 3	14 10	14 24	23 47	5 31	2 29									
F 3	15 26	5 54	3 32	9 24	1 43	1 10	0s 2	14 56	2 1	14 52	0 54	9 52	2 14	23 34	0 18	22 17	1 5	14 33	16 3	14 12	14 25	23 49	5 32	2 29									
S 4	15 44	11 14	4 12	10 12	1 35	0 57	0 9	14 48	1 59	14 56	0 54	9 55	2 14	23 34	0 18	22 17	1 5	14 33	16 3	14 15	14 26	23 51	5 34	2 29									
S 5	16 2	16 7	4 40	11 0	1 27	0 44	0 16	14 40	1 58	15 0	0 54	9 57	2 14	23 34	0 18	22 17	1 5	14 33	16 4	14 19	14 27	23 52	5 35	2 29									
M 6	16 19	20 21	4 56	11 49	1 18	0 30	0 23	14 32	1 56	15 5	0 54	10 0	2 14	23 34	0 18	22 17	1 5	14 33	16 4	14 23	14 28	23 54	5 36	2 29									
T 7	16 36	23 45	4 59	12 37	1 9	0 15	0 29	14 23	1 54	15 9	0 54	10 3	2 14	23 34	0 18	22 17	1 5	14 32	16 4	14 28	14 29	23 56	5 37	2 29									
W 8	16 52	26 9	4 49	13 26	1 0	0 0	0 35	14 15	1 52	15 13	0 54	10 5	2 14	23 34	0 18	22 17	1 5	14 32	16 4	14 32	14 30	23 57	5 39	2 29									
T 9	17 9	27 22	4 26	14 15	0 50	0n15	0 41	14 6	1 50	15 18	0 54	10 8	2 14	23 34	0 18	22 17	1 5	14 32	16 5	14 36	14 31	23 59	5 40	2 29									
F 10	17 25	27 19	3 52	15 3	0 40	0 31	0 47	13 57	1 49	15 22	0 54	10 10	2 14	23 34	0 18	22 17	1 5	14 32	16 5	14 39	14 32	24 0	5 41	2 29									
S 11	17 41	25 59	3 6	15 50	0 30	0 47	0 53	13 48	1 47	15 26	0 54	10 13	2 14	23 34	0 18	22 17	1 5	14 32	16 5	14 41	14 33	24 2	5 42	2 29									
S 12	17 56	23 25	2 12	16 37	0 19	1 3	0 59	13 39	1 45	15 30	0 54	10 15	2 14	23 34	0 18	22 17	1 5	14 32	16 6	14 42	14 34	24 4	5 43	2 29									
M13	18 11	19 44	1 11	17 23	0 9	1 20	1 4	13 30	1 43	15 34	0 54	10 18	2 14	23 35	0 18	22 17	1 5	14 31	16 6	14 43	14 35	24 5	5 44	2 29									
T 14	18 26	15 4	0 5	18 8	0n 2	1 37	1 9	13 21	1 42	15 39	0 53	10 20	2 14	23 35	0 18	22 17	1 5	14 31	16 6	14 43	14 36	24 7	5 46	2 29									
W15	18 41	9 37	1n 4	18 52	0 12	1 55	1 14	13 12	1 40	15 43	0 53	10 22	2 14	23 35	0 18	22 18	1 5	14 31	16 6	14 43	14 37	24 8	5 47	2 29									
T 16	18 55	3 33	2 11	19 34	0 23	2 12	1 19	13 2	1 38	15 47	0 53	10 25	2 14	23 35	0 18	22 18	1 5	14 31	16 7	14 43	14 38	24 10	5 48	2 29									
F 17	19 9	2n53	3 12	20 15	0 33	2 30	1 24	12 52	1 37	15 51	0 53	10 27	2 14	23 35	0 18	22 18	1 5	14 31	16 7	14 44	14 39	24 12	5 49	2 29									
S 18	19 23	9 22	4 4	20 53	0 43	2 49	1 28	12 43	1 35	15 55	0 53	10 30	2 15	23 35	0 18	22 18	1 5	14 31	16 7	14 46	14 40	24 13	5 50	2 29									
S 19	19 36	15 32	4 41	21 30	0 53	3 7	1 33	12 33	1 33	15 59	0 53	10 32	2 15	23 35	0 18	22 18	1 5	14 31	16 8	14 49	14 41	24 15	5 51	2 29									
M20	19 49	20 53	4 59	22 4	1 2	3 26	1 37	12 23	1 32	16 3	0 53	10 34	2 15	23 35	0 18	22 18	1 5	14 31	16 8	14 52	14 42	24 16	5 52	2 29									
T 21	20 2	24 53	4 56	22 36	1 11	3 45	1 41	12 12	1 30	16 7	0 53	10 37	2 15	23 35	0 18	22 18	1 5	14 31	16 8	14 55	14 43	24 18	5 53	2 29									
W22	20 14	27 6	4 32	23 5	1 20	4 4	1 44	12 2	1 29	16 11	0 53	10 39	2 15	23 36	0 18	22 18	1 5	14 30	16 9	14 58	14 44	24 19	5 54	2 30									
T 23	20 26	27 17	3 49	23 32	1 28	4 24	1 48	11 52	1 27	16 15	0 53	10 41	2 15	23 36	0 18	22 18	1 5	14 30	16 9	15 1	14 45	24 21	5 55	2 30									
F 24	20 38	25 31	2 52	23 56	1 35	4 43	1 52	11 41	1 26	16 19	0 53	10 44	2 15	23 36	0 18	22 18	1 5	14 30	16 9	15 3	14 46	24 22	5 56	2 30									
S 25	20 49	22 8	1 46	24 18	1 42	5 3	1 55	11 31	1 24	16 23	0 53	10 46	2 15	23 36	0 18	22 18	1 5	14 30	16 10	15 4	14 47	24 24	5 57	2 30									
S 26	21 0	17 35	0 35	24 37	1 48	5 23	1 58	11 20	1 23	16 27	0 53	10 48	2 15	23 36	0 18	22 18	1 5	14 30	16 10	15 4	14 48	24 25	5 58	2 30									
M27	21 10	12 19	0s36	24 53	1 53	5 43	2 1	11 9	1 21	16 31	0 53	10 51	2 15	23 36	0 18	22 18	1 5	14 30	16 10	15 4	14 49	24 27	5 59	2 30									
T 28	21 20	6 41	1 42	25 6	1 58	6 3	2 4	10 58	1 20	16 35	0 53	10 53	2 15	23 36	0 18	22 18	1 5	14 30	16 11	15 4	14 50	24 28	6 0	2 30									
W29	21 30	0 55	2 42	25 17	2 1	6 24	2 7	10 47	1 18	16 39	0 53	10 55	2 15	23 36	0 18	22 18	1 5	14 30	16 11	15 5	14 51	24 30	6 1	2 30									
T 30	21 40	4s44	3 33	25 26	2 4	6 44	2 9	10 36	1 17	16 42	0 53	10 57	2 16	23 36	0 18	22 18	1 5	14 30	16 11	15 5	14 52	24 31	6 2	2 30									
F 31	21n49	10s 8	4s13	25n32	2n 7	7n 5	2s12	10n25	1n15	16n46	0s53	10n59	2s16	23s37	0s18	22s18	1n 5	14s30	16s12	15s 7	14s53	24s33	6n 3	2n30									

Julian Day Number = 2386651.5, Delta T = 15.79 sec  
Ecliptic obliquity = 23°27'52, Nutation = 0°00'10, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°15'34, Lahiri = 21°22'34



## ASTRODIENST EPHEMERIS for the year 1822

geocentric

JUNE 1822

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 35 39	9II53°01	27♂49	28II11	24♀29	6♂39	19♂43	4♂52	6°R26	4°R32	0°V48	18°R57	19♂46	27♂27	9°V30	S 1
S 2	16 39 36	10°50'27	9♂44	29°55	25°31	7° 6	19°56	4°59	6♂24	4♂30	0°49	18♂47	19°43	27°33	9°32	S 2
M 3	16 43 32	11°47'52	21°36	1♂35	26°33	7°33	20°10	5° 5	6°21	4°29	0°50	18°35	19°40	27°40	9°34	M 3
T 4	16 47 29	12°45'16	3♂29	3°13	27°36	8° 1	20°24	5°12	6°19	4°27	0°50	18°23	19°37	27°47	9°36	T 4
W 5	16 51 25	13°42'40	15°23	4°48	28°39	8°29	20°37	5°19	6°17	4°26	0°51	18°11	19°33	27°53	9°38	W 5
T 6	16 55 22	14°40'02	27°20	6°20	29°42	8°57	20°51	5°25	6°15	4°24	0°52	18° 1	19°30	28° 0	9°40	T 6
F 7	16 59 18	15°37'24	9♂22	7°49	0♂45	9°25	21° 5	5°32	6°13	4°23	0°52	17°53	19°27	28° 7	9°42	F 7
S 8	17 3 15	16°34'45	21°31	9°16	1°49	9°54	21°18	5°38	6°10	4°21	0°53	17°47	19°24	28°14	9°44	S 8
S 9	17 7 11	17°32'05	3♂48	10°39	2°53	10°23	21°32	5°44	6° 8	4°20	0°53	17°44	19°21	28°20	9°46	S 9
M10	17 11 8	18°29'25	16°16	12° 0	3°57	10°52	21°45	5°51	6° 6	4°18	0°54	17°D43	19°17	28°27	9°48	M10
T 11	17 15 5	19°26'44	29° 0	13°18	5° 1	11°21	21°59	5°57	6° 4	4°17	0°54	17°43	19°14	28°34	9°49	T 11
W12	17 19 1	20°24'03	12♂2	14°32	6° 6	11°50	22°12	6° 3	6° 1	4°15	0°55	17°44	19°11	28°41	9°51	W12
T 13	17 22 58	21°21'21	25°25	15°44	7°10	12°20	22°25	6° 9	5°59	4°14	0°55	17°R44	19° 8	28°47	9°53	T 13
F 14	17 26 54	22°18'39	9°V13	16°52	8°15	12°49	22°39	6°15	5°57	4°12	0°55	17°43	19° 5	28°54	9°54	F 14
S 15	17 30 51	23°15'57	23°26	17°58	9°20	13°19	22°52	6°21	5°54	4°10	0°56	17°40	19° 2	29° 1	9°56	S 15
S 16	17 34 47	24°13'14	8♂ 2	19° 0	10°25	13°49	23° 5	6°27	5°52	4° 9	0°56	17°34	18°58	29° 7	9°57	S 16
M17	17 38 44	25°10'31	22°58	19°58	11°31	14°19	23°18	6°33	5°50	4° 7	0°56	17°28	18°55	29°14	9°59	M17
T 18	17 42 40	26° 7'48	8II 5	20°53	12°36	14°50	23°31	6°39	5°47	4° 6	0°57	17°20	18°52	29°21	10° 0	T 18
W19	17 46 37	27° 5'05	23°14	21°45	13°42	15°21	23°44	6°45	5°45	4° 4	0°57	17°13	18°49	29°28	10° 1	W19
T 20	17 50 34	28° 2'22	8♂14	22°33	14°48	15°51	23°57	6°51	5°42	4° 2	0°57	17° 7	18°46	29°34	10° 3	T 20
F 21	17 54 30	28°59'37	22°58	23°18	15°54	16°22	24°10	6°57	5°40	4° 1	0°58	17° 2	18°43	29°41	10° 4	F 21
S 22	17 58 27	29°56'53	7♂17	23°58	17° 0	16°53	24°23	7° 2	5°38	3°59	0°58	17° 0	18°39	29°48	10° 5	S 22
S 23	18 2 23	0♂54°07	21° 9	24°35	18° 6	17°25	24°36	7° 8	5°35	3°58	0°58	17°D 0	18°36	29°55	10° 6	S 23
M24	18 6 20	1°51'21	4♂34	25° 7	19°13	17°56	24°49	7°13	5°33	3°56	0°58	17° 1	18°33	0♂ 1	10° 7	M24
T 25	18 10 16	2°48'35	1♂33	25°36	20°19	18°28	25° 1	7°19	5°30	3°54	0°58	17° 2	18°30	0° 8	10° 8	T 25
W26	18 14 13	3°45'48	0♂10	26° 0	21°26	19° 0	25°14	7°24	5°28	3°53	0°58	17°R 3	18°27	0°15	10° 9	W26
T 27	18 18 9	4°43'00	12°30	26°19	22°33	19°32	25°27	7°29	5°26	3°51	0°59	17° 3	18°23	0°21	10°10	T 27
F 28	18 22 6	5°40'12	24°36	26°34	23°40	20° 4	25°39	7°35	5°23	3°50	0°59	17° 1	18°20	0°28	10°11	F 28
S 29	18 26 3	6°37'24	6♂34	26°45	24°47	20°36	25°51	7°40	5°21	3°48	0°59	16°57	18°17	0°35	10°12	S 29
S 30	18 29 59	7♂34°35	18♂27	26♂51	25♂54	21♂ 8	26♂ 4	7♂45	5♂18	3♂46	0°V59	16♂52	18♂14	0♂42	10°V13	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
S 1	21n57	15s 5	4s42	25n35	2n 8	7n25	2s14	10n14	1n14	16n50	0s53	11n 1	2s16	23s37	0s18	22s18	1n 5	14s30	16s12	15s10	14s54	24s34	6n 4	2n30	
S 2	22 6	19 27	4 58	25 37	2 9	7 46	2 16	10 2	1 12	16 54	0 53	11 4	2 16	23 37	0 18	22 18	1 5	14 31	16 12	15 13	14 55	24 36	6 5	2 30	
M 3	22 14	23 2	5 1	25 36	2 9	8 6	2 18	9 51	1 11	16 57	0 53	11 6	2 16	23 37	0 18	22 18	1 5	14 31	16 13	15 16	14 56	24 37	6 6	2 30	
T 4	22 21	25 38	4 52	25 33	2 8	8 27	2 20	9 39	1 10	17 1	0 53	11 8	2 16	23 37	0 18	22 18	1 5	14 31	16 13	15 20	14 57	24 39	6 7	2 30	
W 5	22 28	27 7	4 29	25 29	2 6	8 48	2 22	9 27	1 8	17 5	0 53	11 10	2 16	23 37	0 18	22 18	1 5	14 31	16 13	15 24	14 58	24 40	6 7	2 30	
T 6	22 35	27 21	3 55	25 22	2 4	9 9	2 23	9 15	1 7	17 8	0 53	11 12	2 16	23 37	0 18	22 18	1 5	14 31	16 14	15 27	14 59	24 41	6 8	2 30	
F 7	22 41	26 17	3 9	25 14	2 1	9 29	2 25	9 3	1 6	17 12	0 53	11 14	2 17	23 37	0 18	22 18	1 5	14 31	16 14	15 29	15 0	24 43	6 9	2 30	
S 8	22 47	23 58	2 15	25 5	1 57	9 50	2 26	8 51	1 4	17 15	0 53	11 16	2 17	23 37	0 18	22 18	1 5	14 31	16 14	15 31	15 1	24 44	6 10	2 30	
S 9	22 53	20 31	1 14	24 54	1 52	10 11	2 27	8 39	1 3	17 19	0 53	11 18	2 17	23 38	0 18	22 18	1 5	14 31	16 15	15 32	15 2	24 46	6 11	2 30	
M10	22 58	16 6	0 8	24 42	1 47	10 31	2 28	8 27	1 2	17 22	0 53	11 20	2 17	23 38	0 18	22 18	1 5	14 31	16 15	15 32	15 3	24 47	6 11	2 30	
T 11	23 3	10 54	1n 0	24 28	1 41	10 52	2 29	8 15	1 0	17 26	0 53	11 22	2 17	23 38	0 18	22 19	1 5	14 31	16 15	15 32	15 4	24 49	6 12	2 30	
W12	23 7	5 7	2 6	24 13	1 34	11 13	2 30	8 3	0 59	17 29	0 53	11 24	2 17	23 38	0 18	22 19	1 5	14 32	16 16	15 32	15 5	24 50	6 13	2 31	
T 13	23 11	1n 3	3 8	23 58	1 26	11 33	2 30	7 50	0 58	17 33	0 53	11 26	2 17	23 38	0 18	22 19	1 5	14 32	16 16	15 32	15 6	24 51	6 13	2 31	
F 14	23 14	7 20	4 0	23 41	1 18	11 53	2 31	7 38	0 57	17 36	0 53	11 27	2 17	23 38	0 18	22 19	1 5	14 32	16 17	15 32	15 7	24 53	6 14	2 31	
S 15	23 18	13 26	4 39	23 24	1 9	12 14	2 31	7 25	0 55	17 39	0 53	11 29	2 18	23 38	0 18	22 19	1 5	14 32	16 17	15 33	15 8	24 54	6 15	2 31	
S 16	23 20	18 57	5 2	23 6	1 0	12 34	2 32	7 12	0 54	17 43	0 53	11 31	2 18	23 38	0 18	22 19	1 5	14 32	16 17	15 35	15 9	24 55	6 15	2 31	
M17	23 23	23 26	5 5	22 48	0 50	12 54	2 32	6 59	0 53	17 46	0 53	11 33	2 18	23 39	0 18	22 19	1 5	14 33	16 18	15 37	15 10	24 57	6 16	2 31	
T 18	23 24	26 23	4 46	22 29	0 39	13 13	2 32	6 46	0 52	17 49	0 53	11 35	2 18	23 39	0 18	22 19	1 5	14 33	16 18	15 39	15 11	24 58	6 17	2 31	
W19	23 26	27 25	4 8	22 10	0 28	13 33	2 32	6 34	0 50	17 52	0 53	11 36	2 18	23 39	0 18	22 19	1 5	14 33	16 18	15 42	15 12	24 59	6 17	2 31	
T 20	23 27	26 25	3 13	21 50	0 16	13 53	2 32	6 20	0 49	17 56	0 53	11 38	2 18	23 39	0 18	22 19	1 5	14 33	16 19	15 43	15 13	25 1	6 18	2 31	
F 21	23 28	23 34	2 6	21 30	0 3	14 12	2 31	6 7	0 48	17 59	0 53	11 40	2 19	23 39	0 18	22 19	1 5	14 33	16 19	15 45	15 14	25 2	6 18	2 31	
S 22	23 28	19 19	0 52	21 10	0s10	14 31	2 31	5 54	0 47	18 2	0 53	11 41	2 19	23 39	0 18	22 19	1 5	14 34	16 20	15 45	15 15	25 3	6 19	2 31	
S 23	23 28	14 6	0s22	20 51	0 23	14 50	2 31	5 41	0 46	18 5	0 53	11 43	2 19	23 39	0 18	22 19	1 5	14 34	16 20	15 45	15 16	25 5	6 19	2 31	
M24	23 27	8 24	1 34	20 31	0 37	15 8	2 30	5 27	0 45	18 8	0 53	11 45	2 19	23 39	0 19	22 19	1 5	14 34	16 20	15 45	15 17	25 6	6 20	2 31	
T 25	23 26	2 30	2 38	20 12	0 52	15 27	2 29	5 14	0 43	18 11	0 53	11 46	2 19	23 39	0 19	22 19	1 5	14 34	16 21	15 45	15 18	25 7	6 20	2 31	
W26	23 25	3s19	3 32	19 53	1 7	15 45	2 28	5 1	0 42	18 14	0 53	11 48	2 19	23 40	0 19	22 19	1 5	14 35	16 21	15 45	15 19	25 9	6 21	2 31	
T 27	23 23	8 52	4 15	19 34	1 22	16 3	2 28	4 47	0 41	18 17	0 53	11 49	2 20	23 40	0 19	22 19	1 5	14 35	16 21	15 45	15 20	25 10	6 21	2 32	
F 28	23 21	13 59	4 46	19 16	1 37	16 20	2 27	4 33	0 40	18 20	0 53	11 51	2 20	23 40	0 19	22 19	1 5	14 35	16 22	15 45	15 21	25 11	6 22	2 32	
S 29	23 18	18 30	5 4	18 59	1 53	16 38	2 25	4 20	0 39	18 23	0 53	11 52	2 20	23 40	0 19	22 19	1 5	14 36	16 22	15 46	15 22	25 12	6 22	2 32	
S 30	23n15	22s17	5s 9	18n43	2s 8	16n55	2s24	4n 6	0n38	18n26	0s53	11n54	2s20	23s40	0s19	22s20	1n 5	14s36	16s22	15s48	15s23	25s14	6m22	2n32	

ASTRODIENST EPHEMERIS for the year 1822  
geocentric

JULY 1822

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	18 33 56	8°31'46	0°19	26°R52	27°8 2	21°41	26°16	7°50	5°R16	3°R45	0°V59	16°R46	18°11	0°48	10°V13	M 1
T 2	18 37 52	9°28'57	12°13	26°349	28° 9	22°13	26°28	7°55	5°313	3°343	0°R59	16°39	18° 8	0°55	10°14	T 2
W 3	18 41 49	10°26'08	24°11	26°41	29°17	22°46	26°40	8° 0	5°11	3°41	0°59	16°33	18° 4	1° 2	10°15	W 3
T 4	18 45 45	11°23'19	6°316	26°28	0°II24	23°19	26°52	8° 4	5° 9	3°40	0°59	16°27	18° 1	1° 8	10°15	T 4
F 5	18 49 42	12°20'30	18°28	26°11	1°32	23°52	27° 4	8° 9	5° 6	3°38	0°59	16°23	17°58	1°15	10°16	F 5
S 6	18 53 39	13°17'41	0°49	25°50	2°40	24°25	27°16	8°14	5° 4	3°37	0°59	16°20	17°55	1°22	10°16	S 6
S 7	18 57 35	14°14'52	13°20	25°25	3°48	24°59	27°28	8°18	5° 1	3°35	0°59	16°D19	17°52	1°29	10°17	S 7
M 8	19 1 32	15°12'03	26° 3	24°56	4°56	25°32	27°40	8°23	4°59	3°33	0°58	16°19	17°49	1°35	10°17	M 8
T 9	19 5 28	16° 9'15	9°H 0	24°24	6° 5	26° 6	27°51	8°27	4°57	3°32	0°58	16°20	17°45	1°42	10°17	T 9
W10	19 9 25	17° 6'27	22°12	23°50	7°13	26°40	28° 3	8°32	4°54	3°30	0°58	16°22	17°42	1°49	10°18	W10
T 11	19 13 21	18° 3'39	5°V40	23°13	8°22	27°14	28°15	8°36	4°52	3°29	0°58	16°23	17°39	1°55	10°18	T 11
F 12	19 17 18	19° 0'52	19°27	22°35	9°30	27°48	28°26	8°40	4°49	3°27	0°58	16°R24	17°36	2° 2	10°18	F 12
S 13	19 21 14	19°58'06	3°B31	21°55	10°39	28°22	28°37	8°44	4°47	3°26	0°57	16°23	17°33	2° 9	10°18	S 13
S 14	19 25 11	20°55'20	17°53	21°15	11°48	28°56	28°48	8°48	4°45	3°24	0°57	16°21	17°29	2°16	10°18	S 14
M15	19 29 8	21°52'36	2°II30	20°36	12°57	29°30	29° 0	8°52	4°43	3°23	0°57	16°19	17°26	2°22	10°18	M15
T 16	19 33 4	22°49'51	17°15	19°58	14° 6	0°A 5	29°11	8°56	4°40	3°21	0°57	16°16	17°23	2°29	10°18	T 16
W17	19 37 1	23°47'08	2°B 2	19°21	15°15	0°40	29°22	8°59	4°38	3°20	0°56	16°13	17°20	2°36	10°18	W17
T 18	19 40 57	24°44'25	16°44	18°47	16°24	1°14	29°32	9° 3	4°36	3°18	0°56	16°10	17°17	2°43	10°18	T 18
F 19	19 44 54	25°41'43	1°II4	18°15	17°34	1°49	29°43	9° 7	4°34	3°17	0°56	16° 9	17°14	2°49	10°17	F 19
S 20	19 48 50	26°39'01	15°26	17°48	18°43	2°24	29°54	9°10	4°31	3°15	0°55	16°D 8	17°10	2°56	10°17	S 20
S 21	19 52 47	27°36'19	29°15	17°24	19°53	2°59	0°II 4	9°13	4°29	3°14	0°55	16° 9	17° 7	3° 3	10°17	S 21
M22	19 56 43	28°33'38	12°41	17° 6	21° 2	3°35	0°15	9°17	4°27	3°12	0°54	16°10	17° 4	3° 9	10°16	M22
T 23	20 0 40	29°30'57	25°43	16°52	22°12	4°10	0°25	9°20	4°25	3°11	0°54	16°11	17° 1	3°16	10°16	T 23
W24	20 4 37	0°II28'16	8°A23	16°43	23°22	4°45	0°36	9°23	4°23	3° 9	0°53	16°12	16°58	3°23	10°16	W24
T 25	20 8 33	1°25'36	20°46	16°D40	24°31	5°21	0°46	9°26	4°21	3° 8	0°53	16°13	16°55	3°30	10°15	T 25
F 26	20 12 30	2°22'57	2°II54	16°43	25°41	5°57	0°56	9°29	4°19	3° 7	0°52	16°R13	16°51	3°36	10°14	F 26
S 27	20 16 26	3°20'18	14°53	16°53	26°51	6°33	1° 6	9°32	4°17	3° 5	0°52	16°13	16°48	3°43	10°14	S 27
S 28	20 20 23	4°17'40	26°46	17° 8	28° 1	7° 9	1°15	9°34	4°15	3° 4	0°51	16°12	16°45	3°50	10°13	S 28
M29	20 24 19	5°15'02	8°A39	17°29	29°12	7°45	1°25	9°37	4°13	3° 3	0°51	16°11	16°42	3°56	10°12	M29
T 30	20 28 16	6°12'25	20°36	17°57	0°B22	8°21	1°35	9°40	4°11	3° 1	0°50	16° 9	16°39	4° 3	10°11	T 30
W31	20 32 12	7°II 9'48	2°B38	18°31	1°B32	8°A57	1°II44	9°B42	4°B 9	3°B 0	0°V49	16°A 8	16°A35	4°A10	10°V11	W31

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	23n11	25s 8	5s 1	18n27	2s24	17n12	2s23	3n52	0n37	18n29	0s53	11n55	2s20	23s40
T 2	23 7	26 54	4 40	18 12	2 40	17 28	2 22	3 38	0 36	18 31	0 53	11 57	2 21	23 40
W 3	23 3	27 26	4 6	17 59	2 55	17 44	2 20	3 24	0 35	18 34	0 53	11 58	2 21	23 40
T 4	22 59	26 39	3 21	17 46	3 10	18 0	2 19	3 10	0 33	18 37	0 53	11 59	2 21	23 40
F 5	22 53	24 36	2 26	17 35	3 24	18 15	2 17	2 56	0 32	18 40	0 53	12 1	2 21	23 41
S 6	22 48	21 21	1 24	17 25	3 38	18 30	2 15	2 42	0 31	18 42	0 53	12 2	2 21	23 41
S 7	22 42	17 6	0 16	17 17	3 52	18 45	2 14	2 28	0 30	18 45	0 53	12 3	2 22	23 41
M 8	22 36	12 1	0n53	17 10	4 4	18 59	2 12	2 13	0 29	18 48	0 53	12 5	2 22	23 41
T 9	22 29	6 20	2 1	17 4	4 15	19 13	2 10	1 59	0 28	18 50	0 53	12 6	2 22	23 41
W10	22 22	0 17	3 4	17 0	4 25	19 26	2 8	1 45	0 27	18 53	0 53	12 7	2 22	23 41
T 11	22 15	5n54	3 58	16 57	4 34	19 39	2 6	1 30	0 26	18 55	0 53	12 8	2 22	23 41
F 12	22 7	11 56	4 40	16 56	4 42	19 52	2 4	1 16	0 25	18 58	0 53	12 9	2 23	23 41
S 13	21 59	17 29	5 6	16 57	4 48	20 4	2 2	1 1	0 24	19 0	0 54	12 10	2 23	23 41
S 14	21 50	22 12	5 14	16 58	4 52	20 15	1 59	0 47	0 23	19 3	0 54	12 11	2 23	23 41
M15	21 41	25 36	5 1	17 2	4 55	20 26	1 57	0 32	0 22	19 5	0 54	12 12	2 23	23 41
T 16	21 32	27 19	4 29	17 6	4 56	20 37	1 55	0 18	0 21	19 7	0 54	12 13	2 23	23 42
W17	21 22	27 6	3 39	17 12	4 55	20 47	1 52	0 3	0 20	19 10	0 54	12 14	2 24	23 42
T 18	21 12	24 58	2 35	17 19	4 52	20 57	1 50	0s12	0 19	19 12	0 54	12 15	2 24	23 42
F 19	21 2	21 13	1 21	17 27	4 48	21 6	1 47	0 27	0 18	19 14	0 54	12 16	2 24	23 42
S 20	20 51	16 17	0 4	17 36	4 43	21 15	1 45	0 42	0 17	19 16	0 54	12 17	2 24	23 42
S 21	20 40	10 37	1s12	17 46	4 36	21 23	1 42	0 56	0 16	19 19	0 54	12 18	2 25	23 42
M22	20 28	4 38	2 21	17 57	4 27	21 30	1 39	1 11	0 15	19 21	0 54	12 19	2 25	23 42
T 23	20 16	1s22	3 21	18 9	4 17	21 38	1 37	1 26	0 14	19 23	0 54	12 20	2 25	23 42
W24	20 4	7 9	4 10	18 20	4 6	21 44	1 34	1 41	0 14	19 25	0 54	12 20	2 25	23 42
T 25	19 52	12 31	4 45	18 33	3 54	21 50	1 31	1 56	0 13	19 27	0 54	12 21	2 25	23 42
F 26	19 39	17 18	5 7	18 45	3 42	21 55	1 28	2 11	0 12	19 29	0 54	12 22	2 26	23 42
S 27	19 26	21 21	5 16	18 57	3 28	22 0	1 25	2 26	0 11	19 31	0 54	12 22	2 26	23 42
S 28	19 12	24 29	5 11	19 10	3 14	22 4	1 23	2 41	0 10	19 33	0 54	12 23	2 26	23 42
M29	18 59	26 35	4 52	19 22	2 59	22 8	1 20	2 56	0 9	19 35	0 54	12 24	2 26	23 42
T 30	18 44	27 28	4 21	19 33	2 44	22 11	1 17	3 11	0 8	19 37	0 54	12 24	2 27	23 43
W31	18n30	27s 4	3s38	19n44	2s28	22n14	1s14	3s26	0n 7	19n38	0s54	12n25	2s27	23s43

Julian Day Number = 2386712.5, Delta T = 15.71 sec  
Ecliptic obliquity = 23°27'51, Nutation = 0°00'11, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°15'42, Lahiri = 21°22'43



ASTRODIENST EPHEMERIS for the year 1822  
geocentric

AUGUST 1822

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	20 36 9	8♌ 7'12	14♊50	19♉11	2♈43	9♌33	1♈53	9♌44	4°R 7	2°R59	0°R49	16°R 7	16♊32	4♌17	10°R10	T 1
F 2	20 40 6	9° 4'37	27°14	19°58	3°53	10°10	2° 3	9°47	4♌ 5	2♈58	0°Y48	16♊ 6	16°29	4°23	10°Y 9	F 2
S 3	20 44 2	10° 2'03	9♊51	20°50	5° 4	10°46	2°12	9°49	4° 3	2°56	0°48	16°D 6	16°26	4°30	10° 8	S 3
S 4	20 47 59	10°59'30	22°41	21°49	6°14	11°23	2°21	9°51	4° 1	2°55	0°47	16° 6	16°23	4°37	10° 7	S 4
M 5	20 51 55	11°56'58	5♋45	22°53	7°25	12° 0	2°30	9°53	4° 0	2°54	0°46	16° 6	16°20	4°43	10° 6	M 5
T 6	20 55 52	12°54'27	19° 3	24° 3	8°36	12°37	2°38	9°54	3°58	2°53	0°45	16° 6	16°16	4°50	10° 4	T 6
W 7	20 59 48	13°51'57	2°Y35	25°19	9°47	13°14	2°47	9°56	3°56	2°52	0°45	16° 7	16°13	4°57	10° 3	W 7
T 8	21 3 45	14°49'28	16°19	26°40	10°58	13°51	2°55	9°58	3°55	2°51	0°44	16° 7	16°10	5° 4	10° 2	T 8
F 9	21 7 41	15°47'01	0♌14	28° 6	12° 9	14°28	3° 4	9°59	3°53	2°50	0°43	16°R 7	16° 7	5°10	10° 1	F 9
S 10	21 11 38	16°44'36	14°19	29°37	13°20	15° 5	3°12	10° 1	3°51	2°49	0°42	16°D 7	16° 4	5°17	9°59	S 10
S 11	21 15 35	17°42'12	28°33	1♌12	14°31	15°43	3°20	10° 2	3°50	2°47	0°42	16° 7	16° 1	5°24	9°58	S 11
M12	21 19 31	18°39'49	12♈52	2°52	15°43	16°20	3°28	10° 3	3°48	2°46	0°41	16° 7	15°57	5°30	9°56	M12
T 13	21 23 28	19°37'28	27°13	4°35	16°54	16°58	3°36	10° 4	3°47	2°45	0°40	16° 7	15°54	5°37	9°55	T 13
W14	21 27 24	20°35'09	11♊34	6°22	18° 5	17°35	3°43	10° 5	3°46	2°45	0°39	16° 8	15°51	5°44	9°53	W14
T 15	21 31 21	21°32'51	25°50	8°12	19°17	18°13	3°51	10° 6	3°44	2°44	0°38	16° 8	15°48	5°51	9°52	T 15
F 16	21 35 17	22°30'35	9♌56	10° 4	20°28	18°51	3°58	10° 7	3°43	2°43	0°37	16°R 8	15°45	5°57	9°50	F 16
S 17	21 39 14	23°28'19	23°49	11°59	21°40	19°29	4° 6	10° 8	3°41	2°42	0°36	16° 8	15°41	6° 4	9°48	S 17
S 18	21 43 10	24°26'05	7♎25	13°55	22°52	20° 7	4°13	10° 8	3°40	2°41	0°36	16° 8	15°38	6°11	9°47	S 18
M19	21 47 7	25°23'53	20°43	15°53	24° 4	20°45	4°20	10° 9	3°39	2°40	0°35	16° 7	15°35	6°17	9°45	M19
T 20	21 51 4	26°21'41	3♌41	17°52	25°16	21°24	4°26	10° 9	3°38	2°39	0°34	16° 6	15°32	6°24	9°43	T 20
W21	21 55 0	27°19'31	16°20	19°52	26°27	22° 2	4°33	10° 9	3°37	2°39	0°33	16° 4	15°29	6°31	9°41	W21
T 22	21 58 57	28°17'22	28°43	21°52	27°39	22°40	4°39	10°10	3°36	2°38	0°32	16° 3	15°26	6°38	9°39	T 22
F 23	22 2 53	29°15'15	10♈53	23°52	28°51	23°19	4°46	10°R10	3°35	2°37	0°31	16° 2	15°22	6°44	9°38	F 23
S 24	22 6 50	0♎13'09	22°52	25°52	0♌ 4	23°58	4°52	10°10	3°34	2°36	0°30	16° 1	15°19	6°51	9°36	S 24
S 25	22 10 46	1°11'04	4♌46	27°51	1°16	24°36	4°58	10° 9	3°33	2°36	0°29	16°D 1	15°16	6°58	9°34	S 25
M26	22 14 43	2° 9'00	16°39	29°50	2°28	25°15	5° 4	10° 9	3°32	2°35	0°28	16° 1	15°13	7° 4	9°32	M26
T 27	22 18 39	3° 6'58	28°36	1♎48	3°40	25°54	5° 9	10° 9	3°31	2°34	0°27	16° 3	15°10	7°11	9°30	T 27
W28	22 22 36	4° 4'57	10♊41	3°46	4°53	26°33	5°15	10° 8	3°30	2°34	0°26	16° 4	15° 7	7°18	9°27	W28
T 29	22 26 33	5° 2'57	22°58	5°42	6° 5	27°12	5°20	10° 8	3°29	2°33	0°25	16° 5	15° 3	7°25	9°25	T 29
F 30	22 30 29	6° 0'59	5♊31	7°38	7°18	27°52	5°25	10° 7	3°29	2°33	0°24	16° 6	15° 0	7°31	9°23	F 30
S 31	22 34 26	6♎59'02	18♊21	9♎32	8♌30	28♌31	5♈30	10♌ 6	3♊28	2♊32	0°Y22	16°R 7	14♊57	7♌38	9°Y21	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
T 1	18n15	25s22	2s45	19n54	2s12	22n15	1s11	3s42	0n 6	19n40	0s55	12n25	2s27	23s43
F 2	18 0	22 25	1 43	20 3	1 57	22 17	1 8	3 57	0 5	19 42	0 55	12 26	2 27	23 43
S 3	17 45	18 21	0 35	20 11	1 41	22 17	1 5	4 12	0 5	19 44	0 55	12 26	2 28	23 43
S 4	17 29	13 24	0n36	20 18	1 25	22 18	1 2	4 27	0 4	19 45	0 55	12 26	2 28	23 43
M 5	17 14	7 45	1 47	20 23	1 9	22 17	0 58	4 42	0 3	19 47	0 55	12 27	2 28	23 43
T 6	16 57	1 41	2 53	20 26	0 54	22 16	0 55	4 57	0 2	19 49	0 55	12 27	2 28	23 43
W 7	16 41	4n33	3 50	20 27	0 39	22 14	0 52	5 13	0 1	19 50	0 55	12 28	2 29	23 43
T 8	16 24	10 39	4 35	20 26	0 25	22 12	0 49	5 28	0 0	19 52	0 55	12 28	2 29	23 43
F 9	16 7	16 19	5 5	20 23	0 11	22 9	0 46	5 43	0s 1	19 53	0 55	12 28	2 29	23 43
S 10	15 50	21 11	5 17	20 18	0n 3	22 5	0 43	5 58	0 1	19 55	0 55	12 28	2 29	23 43
S 11	15 33	24 53	5 9	20 10	0 15	22 1	0 40	6 13	0 2	19 56	0 55	12 28	2 30	23 43
M12	15 15	27 3	4 43	19 59	0 27	21 56	0 37	6 29	0 3	19 58	0 55	12 29	2 30	23 43
T 13	14 57	27 25	3 59	19 46	0 39	21 50	0 34	6 44	0 4	19 59	0 55	12 29	2 30	23 43
W14	14 39	25 57	3 0	19 29	0 49	21 44	0 30	6 59	0 5	20 1	0 56	12 29	2 30	23 43
T 15	14 20	22 48	1 50	19 11	0 59	21 38	0 27	7 14	0 5	20 2	0 56	12 29	2 31	23 43
F 16	14 1	18 20	0 34	18 49	1 7	21 30	0 24	7 29	0 6	20 3	0 56	12 29	2 31	23 43
S 17	13 43	12 56	0b42	18 25	1 15	21 22	0 21	7 44	0 7	20 4	0 56	12 29	2 31	23 43
S 18	13 23	7 1	1 55	17 58	1 22	21 14	0 18	8 0	0 8	20 6	0 56	12 29	2 31	23 43
M19	13 4	0 56	3 0	17 29	1 28	21 5	0 15	8 15	0 9	20 7	0 56	12 29	2 32	23 43
T 20	12 45	5s 2	3 54	16 58	1 33	20 55	0 12	8 30	0 9	20 8	0 56	12 29	2 32	23 43
W21	12 25	10 39	4 35	16 25	1 37	20 44	0 9	8 45	0 10	20 9	0 56	12 28	2 32	23 44
T 22	12 5	15 43	5 2	15 49	1 41	20 33	0 6	9 0	0 11	20 10	0 56	12 28	2 32	23 44
F 23	11 45	20 5	5 15	15 12	1 43	20 22	0 3	9 15	0 12	20 11	0 56	12 28	2 33	23 44
S 24	11 24	23 34	5 14	14 34	1 45	20 10	0n 0	9 30	0 13	20 12	0 56	12 28	2 33	23 44
S 25	11 4	26 1	4 59	13 53	1 46	19 57	0 3	9 45	0 13	20 13	0 56	12 27	2 33	23 44
M26	10 43	27 18	4 32	13 12	1 46	19 44	0 6	10 0	0 14	20 14	0 57	12 27	2 33	23 44
T 27	10 22	27 20	3 53	12 29	1 46	19 30	0 9	10 15	0 15	20 15	0 57	12 27	2 34	23 44
W28	10 1	26 5	3 3	11 46	1 45	19 16	0 12	10 30	0 16	20 16	0 57	12 26	2 34	23 44
T 29	9 40	23 33	2 4	11 2	1 43	19 1	0 15	10 45	0 16	20 17	0 57	12 26	2 34	23 44
F 30	9 19	19 51	0 58	10 17	1 41	18 45	0 18	10 59	0 17	20 18	0 57	12 26	2 34	23 44
S 31	8n57	15s 9	0n12	9n31	1n38	18n29	0n21	11s14	0s18	20n19	0s57	12n25	2s34	23s44

Julian Day Number = 2386743.5, Delta T = 15.67 sec  
Ecliptic obliquity = 23°27'51, Nutation = 0°00'13, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°15'47, Lahiri = 21°22'47



ASTRODIENST EPHEMERIS for the year 1822  
geocentric

OCTOBER 1822

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 36 39	7♌14'29	7♏38	29♊33	16♏28	19♏31	6♏32	8♏53	3♏32	2♏33	29♏46	14♏55	13♏18	11♏6	8♏1	T 1
W 2	0 40 35	8♏13'32	22° 4	0♏53	17°42	20°13	6♏31	8♏49	3°33	2°34	29♏45	14♏47	13°15	11°13	7♏58	W 2
T 3	0 44 32	9♏12'38	6♏42	2°12	18°57	20°55	6°30	8°45	3°34	2°34	29°44	14°39	13°12	11°19	7°55	T 3
F 4	0 48 28	10♏11'46	21°22	3°29	20°11	21°37	6°28	8°42	3°35	2°35	29°43	14°31	13° 9	11°26	7°52	F 4
S 5	0 52 25	11°10'57	6♏0	4°45	21°25	22°20	6°26	8°38	3°36	2°36	29°42	14°24	13° 6	11°33	7°50	S 5
S 6	0 56 22	12°10'10	20°28	6° 0	22°40	23° 2	6°24	8°34	3°38	2°36	29°41	14°20	13° 3	11°40	7°47	S 6
M 7	1 0 18	13° 9'25	4♏42	7°13	23°54	23°44	6°22	8°30	3°39	2°37	29°39	14°18	12°59	11°46	7°44	M 7
T 8	1 4 15	14° 8'42	18°42	8°24	25° 9	24°27	6°20	8°25	3°40	2°38	29°38	14°D18	12°56	11°53	7°41	T 8
W 9	1 8 11	15° 8'02	2♏27	9°34	26°23	25° 9	6°17	8°21	3°41	2°39	29°37	14°18	12°53	12° 0	7°39	W 9
T 10	1 12 8	16° 7'24	15°57	10°42	27°38	25°52	6°15	8°17	3°43	2°40	29°36	14°R19	12°50	12° 6	7°36	T 10
F 11	1 16 4	17° 6'49	29°14	11°47	28°53	26°34	6°12	8°13	3°44	2°40	29°35	14°18	12°47	12°13	7°33	F 11
S 12	1 20 1	18° 6'16	12♏19	12°51	0♏7	27°17	6° 8	8° 8	3°45	2°41	29°34	14°14	12°44	12°20	7°30	S 12
S 13	1 23 57	19° 5'44	25°12	13°52	1°22	28° 0	6° 5	8° 4	3°47	2°42	29°33	14° 8	12°40	12°26	7°28	S 13
M14	1 27 54	20° 5'15	7♌55	14°50	2°37	28°43	6° 2	8° 0	3°48	2°43	29°32	13°59	12°37	12°33	7°25	M14
T 15	1 31 51	21° 4'48	20°27	15°45	3°51	29°26	5°58	7°55	3°50	2°44	29°30	13°48	12°34	12°40	7°22	T 15
W16	1 35 47	22° 4'24	2♏49	16°38	5° 6	0♏9	5°54	7°51	3°52	2°45	29°29	13°35	12°31	12°47	7°20	W16
T 17	1 39 44	23° 4'01	15° 0	17°26	6°21	0°52	5°50	7°46	3°53	2°46	29°28	13°22	12°28	12°53	7°17	T 17
F 18	1 43 40	24° 3'40	27° 2	18°11	7°36	1°35	5°46	7°41	3°55	2°47	29°27	13°10	12°24	13° 0	7°14	F 18
S 19	1 47 37	25° 3'21	8♏57	18°51	8°51	2°18	5°41	7°37	3°57	2°48	29°26	13° 0	12°21	13° 7	7°12	S 19
S 20	1 51 33	26° 3'04	20°47	19°26	10° 5	3° 2	5°36	7°32	3°59	2°49	29°25	12°52	12°18	13°13	7° 9	S 20
M21	1 55 30	27° 2'48	2♏36	19°57	11°20	3°45	5°32	7°27	4° 1	2°51	29°24	12°47	12°15	13°20	7° 6	M21
T 22	1 59 26	28° 2'35	14°28	20°21	12°35	4°28	5°27	7°23	4° 2	2°52	29°23	12°44	12°12	13°27	7° 4	T 22
W23	2 3 23	29° 2'23	26°28	20°39	13°50	5°12	5°22	7°18	4° 4	2°53	29°22	12°D43	12° 9	13°33	7° 1	W23
T 24	2 7 20	0♏21'3	8♏42	20°50	15° 5	5°56	5°16	7°13	4° 6	2°54	29°21	12°R43	12° 5	13°40	6°59	T 24
F 25	2 11 16	1° 2'04	21°15	20°R53	16°20	6°39	5°11	7° 8	4° 8	2°55	29°20	12°43	12° 2	13°47	6°56	F 25
S 26	2 15 13	2° 1'57	4♏11	20°49	17°35	7°23	5° 5	7° 4	4°11	2°57	29°19	12°42	11°59	13°54	6°54	S 26
S 27	2 19 9	3° 1'52	17°35	20°35	18°50	8° 7	4°59	6°59	4°13	2°58	29°18	12°38	11°56	14° 0	6°51	S 27
M28	2 23 6	4° 1'48	1♏28	20°13	20° 5	8°51	4°53	6°54	4°15	2°59	29°17	12°31	11°53	14° 7	6°49	M28
T 29	2 27 2	5° 1'46	15°49	19°41	21°20	9°35	4°47	6°49	4°17	3° 1	29°16	12°22	11°49	14°14	6°47	T 29
W30	2 30 59	6° 1'46	0♏34	18°59	22°36	10°19	4°41	6°44	4°19	3° 2	29°15	12°11	11°46	14°20	6°44	W30
T 31	2 34 55	7♏1'48	15♏34	18♏9	23♏51	11♏3	4♏35	6♏39	4♏22	3♏4	29♏14	11♏59	11♏43	14♏27	6♏42	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	decl	lat
T 1	2s53	6n46	4n 4	12s55	1s42	6n37	1n23	18s14	0s38	20n27	1 s 0	11n56	2s41	23s43	0s18	22s24	1n 2	15s23	16s43	16s23	16s51	26s38	5n32	2n34									
W 2	3 16	12 57	4 42	13 30	1 49	6 9	1 24	18 26	0 39	20 26	1 0	11 55	2 41	23 43	0 18	22 24	1 2	15 24	16 43	16 25	16 51	26 39	5 31	2 34									
T 3	3 39	18 31	5 2	14 4	1 56	5 41	1 25	18 38	0 39	20 26	1 0	11 54	2 41	23 43	0 18	22 24	1 2	15 24	16 43	16 27	16 52	26 39	5 30	2 34									
F 4	4 2	23 0	5 3	14 37	2 3	5 12	1 25	18 50	0 40	20 26	1 0	11 52	2 41	23 43	0 18	22 25	1 2	15 24	16 43	16 30	16 53	26 40	5 29	2 34									
S 5	4 26	25 59	4 44	15 9	2 9	4 44	1 26	19 1	0 40	20 25	1 0	11 51	2 41	23 43	0 18	22 25	1 2	15 25	16 43	16 32	16 54	26 40	5 28	2 34									
S 6	4 49	27 14	4 7	15 40	2 15	4 15	1 27	19 12	0 41	20 25	1 0	11 50	2 41	23 43	0 18	22 25	1 2	15 25	16 43	16 33	16 55	26 41	5 26	2 34									
M 7	5 12	26 38	3 15	16 10	2 22	3 46	1 28	19 24	0 41	20 24	1 0	11 48	2 41	23 43	0 18	22 25	1 2	15 26	16 43	16 33	16 56	26 42	5 25	2 33									
T 8	5 35	24 20	2 12	16 39	2 28	3 17	1 28	19 35	0 42	20 24	1 0	11 47	2 41	23 43	0 18	22 25	1 2	15 26	16 42	16 34	16 57	26 42	5 24	2 33									
W 9	5 58	20 39	1 3	17 7	2 33	2 48	1 29	19 46	0 42	20 23	1 0	11 45	2 41	23 43	0 18	22 25	1 2	15 26	16 42	16 33	16 58	26 43	5 23	2 33									
T 10	6 21	15 56	0s 9	17 33	2 39	2 19	1 29	19 56	0 43	20 23	1 0	11 44	2 42	23 43	0 18	22 25	1 2	15 27	16 42	16 33	16 59	26 43	5 22	2 33									
F 11	6 44	10 31	1 19	17 59	2 44	1 49	1 30	20 7	0 44	20 22	1 0	11 42	2 42	23 43	0 18	22 25	1 2	15 27	16 42	16 34	17 0	26 43	5 21	2 33									
S 12	7 6	4 44	2 23	18 23	2 48	1 20	1 30	20 17	0 44	20 22	1 0	11 41	2 42	23 43	0 18	22 25	1 1	15 27	16 42	16 35	17 0	26 44	5 19	2 33									
S 13	7 29	1s 9	3 19	18 46	2 53	0 50	1 30	20 28	0 45	20 21	1 0	11 39	2 42	23 43	0 18	22 25	1 1	15 28	16 42	16 36	17 1	26 44	5 18	2 33									
M14	7 52	6 53	4 5	19 7	2 57	0 21	1 31	20 38	0 45	20 21	1 1	11 38	2 42	23 43	0 18	22 25	1 1	15 28	16 42	16 39	17 2	26 45	5 17	2 33									
T 15	8 14	12 16	4 37	19 27	3 0	0s 9	1 31	20 47	0 46	20 20	1 1	11 36	2 42	23 43	0 18	22 25	1 1	15 28	16 42	16 42	17 3	26 45	5 16	2 33									
W16	8 36	17 5	4 56	19 45	3 3	0 38	1 31	20 57	0 46	20 19	1 1	11 35	2 42	23 43	0 18	22 25	1 1	15 29	16 42	16 46	17 4	26 46	5 15	2 33									
T 17	8 59	21 9	5 1	20 1	3 5	1 8	1 31	21 7	0 47	20 18	1 1	11 33	2 42	23 43	0 18	22 25	1 1	15 29	16 41	16 49	17 5	26 46	5 14	2 32									
F 18	9 21	24 16	4 53	20 15	3 7	1 38	1 31	21 16	0 47	20 18	1 1	11 32	2 42	23 43	0 18	22 25	1 1	15 29	16 41	16 53	17 6	26 47	5 12	2 32									
S 19	9 42	26 17	4 31	20 27	3 8	2 7	1 30	21 25	0 48	20 17	1 1	11 30	2 42	23 43	0 18	22 25	1 1	15 30	16 41	16 56	17 7	26 47	5 11	2 32									
S 20	10 4	27 7	3 59	20 38	3 8	2 37	1 30	21 34	0 48	20 16	1 1	11 29	2 42	23 42	0 18	22 25	1 1	15 30	16 41	16 58	17 8	26 47	5 10	2 32									
M21	10 26	26 42	3 16	20 45	3 8	3 7	1 30	21 43	0 49	20 15	1 1	11 27	2 42	23 42	0 18	22 25	1 1	15 30	16 41	17 0	17 9	26 48	5 9	2 32									
T 22	10 47	25 4	2 24	20 50	3 6	3 36	1 30	21 52	0 49	20 14	1 1	11 26	2 42	23 42	0 18	22 25	1 1	15 30	16 41	17 0	17 9	26 48	5 8	2 32									
W23	11 9	22 16	1 25	20 52	3 3	4 6	1 29	22 0	0 50	20 13	1 1	11 24	2 42	23 42	0 18	22 25	1 1	15 31	16 40	17 1	17 10	26 49	5 7	2 32									
T 24	11 30	18 27	0 21	20 52	2 59	4 35	1 29	22 8	0 50	20 12	1 1	11 23	2 42	23 42	0 18	22 25	1 1	15 31	16 40	17 1	17 11	26 49	5 6	2 32									
F 25	11 51	13 43	0n45	20 48	2 54	5 5	1 28	22 16	0 50	20 11	1 1	11 21	2 42	23 42	0 18	22 25	1 1	15 31	16 40	17 1	17 12	26 49	5 5	2 31									
S 26	12 12	8 16	1 51	20 40	2 47	5 34	1 27	22 24	0 51	20 10	1 1	11 20	2 42	23 42	0 18	22 25	1 1	15 31	16 40	17 1	17 13	26 50	5 3	2 31									
S 27	12 32	2 15	2 53	20 28	2 39	6 3	1 27	22 32	0 51	20 9	1 1	11 18	2 42	23 42	0 18	22 25	1 1	15 32	16 40	17 2	17 14	26 50	5 2	2 31									
M28	12 53	4n 4	3 47	20 13	2 30	6 32	1 26	22 39	0 52	20 8	1 1	11 16	2 42	23 42	0 18	22 25	1 1	15 32	16 40	17 4	17 15	26 51	5 1	2 31									
T 29	13 13	10 22	4 29	19 53	2 18	7 1	1 25	22 46	0 52	20 7	1 1	11 15	2 42	23 42	0 18	22 25	1 1	15 32	16 39	17 7	17 16	26 51	5 0	2 31									
W30	13 33	16 16	4 54	19 29	2 5	7 30	1 24	22 53	0 53	20 6	1 1	11 13	2 42	23 42	0 18	22 25	1 1	15 32	16 39	17 10	17 17	26 51	4 59	2 31									
T 31	13s52	21n17	4n59	19s 1	1s50	7s58	1n23	23s 0	0s53	20n 5	1s 1	11n12	2s42	23s42	0s18	22s25	1n 1	15s32	16s39	17s13	17s17	26s52	4n58	2n31									

Julian Day Number = 2386804.5, Delta T = 15.58 sec  
Ecliptic obliquity = 23°27'51, Nutation = 0°00'12, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°15'55, Lahiri = 21°22'55

ASTRODIENST EPHEMERIS for the year 1822  
geocentric

NOVEMBER 1822

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 38 52	8♈ 1°52	0♈40	17°R10	25♊ 6	11♊47	4°R28	6°R35	4♈24	3♈ 5	29°R13	11°R48	11♈40	14♊34	6°R40	F 1
S 2	2 42 49	9° 1°58	15°42	16♈ 3	26°21	12°31	4♈21	6♈30	4°26	3° 7	29°R13	11♈39	11°37	14°41	6°Y38	S 2
S 3	2 46 45	10° 2°06	0♈30	14°50	27°36	13°15	4°15	6°25	4°29	3° 8	29°12	11°33	11°34	14°47	6°35	S 3
M 4	2 50 42	11° 2°16	15° 0	13°33	28°51	14° 0	4° 8	6°20	4°31	3°10	29°11	11°29	11°30	14°54	6°33	M 4
T 5	2 54 38	12° 2°28	29° 7	12°14	0♈ 7	14°44	4° 1	6°15	4°34	3°11	29°10	11°27	11°27	15° 1	6°31	T 5
W 6	2 58 35	13° 2°42	12♈52	10°56	1°22	15°28	3°54	6°11	4°36	3°13	29° 9	11°27	11°24	15° 7	6°29	W 6
T 7	3 2 31	14° 2°58	26°16	9°40	2°37	16°13	3°46	6° 6	4°39	3°14	29° 8	11°27	11°21	15°14	6°27	T 7
F 8	3 6 28	15° 3°16	9♈21	8°30	3°52	16°58	3°39	6° 1	4°41	3°16	29° 8	11°25	11°18	15°21	6°25	F 8
S 9	3 10 24	16° 3°36	22°10	7°28	5° 8	17°42	3°32	5°56	4°44	3°18	29° 7	11°21	11°15	15°27	6°23	S 9
S 10	3 14 21	17° 3°58	4♈47	6°35	6°23	18°27	3°24	5°52	4°47	3°19	29° 6	11°14	11°11	15°34	6°21	S 10
M11	3 18 18	18° 4°22	17°13	5°52	7°38	19°12	3°16	5°47	4°49	3°21	29° 5	11° 4	11° 8	15°41	6°19	M11
T 12	3 22 14	19° 4°48	29°30	5°21	8°54	19°56	3° 9	5°42	4°52	3°23	29° 5	10°52	11° 5	15°47	6°17	T 12
W13	3 26 11	20° 5°15	11♈39	5° 1	10° 9	20°41	3° 1	5°38	4°55	3°25	29° 4	10°37	11° 2	15°54	6°15	W13
T 14	3 30 7	21° 5°44	23°41	4°D54	11°24	21°26	2°53	5°33	4°58	3°26	29° 3	10°23	10°59	16° 1	6°13	T 14
F 15	3 34 4	22° 6°15	5♈37	4°57	12°40	22°11	2°45	5°29	5° 1	3°28	29° 3	10° 9	10°55	16° 8	6°12	F 15
S 16	3 38 0	23° 6°48	17°29	5°11	13°55	22°56	2°37	5°24	5° 3	3°30	29° 2	9°57	10°52	16°14	6°10	S 16
S 17	3 41 57	24° 7°21	29°17	5°35	15°11	23°42	2°29	5°20	5° 6	3°32	29° 1	9°47	10°49	16°21	6° 8	S 17
M18	3 45 53	25° 7°56	11♈ 6	6° 8	16°26	24°27	2°21	5°15	5° 9	3°34	29° 1	9°41	10°46	16°28	6° 7	M18
T 19	3 49 50	26° 8°33	22°57	6°48	17°41	25°12	2°13	5°11	5°12	3°36	29° 0	9°37	10°43	16°34	6° 5	T 19
W20	3 53 47	27° 9°11	4♈56	7°36	18°57	25°57	2° 5	5° 7	5°15	3°38	29° 0	9°D36	10°40	16°41	6° 4	W20
T 21	3 57 43	28° 9°49	17° 7	8°30	20°12	26°43	1°57	5° 2	5°18	3°39	28°59	9°36	10°36	16°48	6° 2	T 21
F 22	4 1 40	29°10°29	29°35	9°30	21°28	27°28	1°49	4°58	5°21	3°41	28°59	9°R36	10°33	16°54	6° 1	F 22
S 23	4 5 36	0♈11°10	12♈25	10°34	22°43	28°14	1°40	4°54	5°24	3°43	28°58	9°36	10°30	17° 1	5°59	S 23
S 24	4 9 33	1°11°52	25°42	11°43	23°59	28°59	1°32	4°50	5°27	3°45	28°58	9°33	10°27	17° 8	5°58	S 24
M25	4 13 29	2°12°35	9Y29	12°55	25°14	29°45	1°24	4°46	5°31	3°47	28°57	9°28	10°24	17°15	5°57	M25
T 26	4 17 26	3°13°19	23°47	14°10	26°30	0♈30	1°16	4°42	5°34	3°49	28°57	9°21	10°21	17°21	5°56	T 26
W27	4 21 22	4°14°05	8♈32	15°28	27°45	1°16	1° 8	4°38	5°37	3°51	28°57	9°11	10°17	17°28	5°55	W27
T 28	4 25 19	5°14°51	23°39	16°48	29° 0	2° 2	1° 0	4°34	5°40	3°53	28°56	9° 1	10°14	17°35	5°53	T 28
F 29	4 29 16	6°15°39	8♈57	18°10	0♈16	2°48	0°51	4°31	5°43	3°55	28°56	8°52	10°11	17°41	5°52	F 29
S 30	4 33 12	7♈16°27	24♈15	19♈33	1♈31	3♈33	0♈43	4♈27	5♈47	3♈58	28♈55	8♈44	10≈ 8	17♈48	5°Y51	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	14s12	24n56	4n44	18s29	1s34	8s27	1n22	23s 6	0s53	20n 4	1s 1	11n10	2s42	23s42	0s18	22s25	1n 1	15s32	16s39	17s16	17s18	26s52	4n57	2n30	
S 2	14 31	26 50	4 9	17 52	1 16	8 55	1 21	23 13	0 54	20 2	1 1	11 9	2 42	23 42	0 18	22 25	1 1	15 33	16 38	17 19	17 19	26 52	4 56	2 30	
S 3	14 50	26 46	3 18	17 12	0 57	9 23	1 20	23 19	0 54	20 1	1 1	11 7	2 42	23 41	0 18	22 25	1 1	15 33	16 38	17 20	17 20	26 52	4 55	2 30	
M 4	15 9	24 51	2 15	16 30	0 37	9 51	1 19	23 24	0 55	20 0	1 1	11 6	2 42	23 41	0 18	22 25	1 1	15 33	16 38	17 21	17 21	26 53	4 54	2 30	
T 5	15 28	21 25	1 5	15 47	0 16	10 19	1 18	23 30	0 55	19 59	1 1	11 4	2 42	23 41	0 18	22 25	1 1	15 33	16 38	17 22	17 22	26 53	4 53	2 30	
W 6	15 46	16 51	0s 7	15 3	0n 5	10 46	1 16	23 35	0 55	19 57	1 1	11 3	2 42	23 41	0 18	22 25	1 1	15 33	16 37	17 22	17 23	26 53	4 52	2 30	
T 7	16 4	11 34	1 17	14 20	0 25	11 13	1 15	23 41	0 56	19 56	1 1	11 1	2 42	23 41	0 18	22 25	1 0	15 33	16 37	17 22	17 24	26 54	4 51	2 30	
F 8	16 22	5 53	2 22	13 39	0 44	11 40	1 14	23 45	0 56	19 55	1 1	11 0	2 42	23 41	0 18	22 25	1 0	15 33	16 37	17 22	17 24	26 54	4 50	2 29	
S 9	16 40	0 5	3 17	13 2	1 3	12 7	1 12	23 50	0 57	19 53	1 1	10 58	2 42	23 41	0 18	22 25	1 0	15 33	16 37	17 23	17 25	26 54	4 49	2 29	
S 10	16 57	5s36	4 2	12 29	1 19	12 33	1 11	23 54	0 57	19 52	1 1	10 57	2 42	23 41	0 18	22 25	1 0	15 33	16 36	17 25	17 26	26 54	4 48	2 29	
M11	17 14	10 59	4 35	12 1	1 34	12 59	1 9	23 59	0 57	19 51	1 0	10 55	2 42	23 41	0 18	22 25	1 0	15 33	16 36	17 28	17 27	26 55	4 47	2 29	
T 12	17 31	15 53	4 54	11 38	1 47	13 25	1 7	24 2	0 58	19 49	1 0	10 54	2 41	23 41	0 18	22 25	1 0	15 33	16 36	17 32	17 28	26 55	4 46	2 29	
W13	17 47	20 5	5 0	11 22	1 58	13 50	1 6	24 6	0 58	19 48	1 0	10 53	2 41	23 40	0 18	22 25	1 0	15 33	16 36	17 35	17 29	26 55	4 46	2 29	
T 14	18 3	23 25	4 52	11 10	2 7	14 15	1 4	24 9	0 58	19 46	1 0	10 51	2 41	23 40	0 18	22 25	1 0	15 33	16 35	17 39	17 30	26 55	4 45	2 28	
F 15	18 19	25 43	4 31	11 5	2 14	14 40	1 2	24 13	0 59	19 45	1 0	10 50	2 41	23 40	0 18	22 25	1 0	15 33	16 35	17 43	17 31	26 56	4 44	2 28	
S 16	18 34	26 50	3 59	11 5	2 19	15 4	1 1	24 15	0 59	19 43	1 0	10 48	2 41	23 40	0 18	22 25	1 0	15 33	16 35	17 46	17 31	26 56	4 43	2 28	
S 17	18 49	26 44	3 16	11 9	2 23	15 28	0 59	24 18	0 59	19 42	1 0	10 47	2 41	23 40	0 18	22 25	1 0	15 33	16 34	17 49	17 32	26 56	4 42	2 28	
M18	19 4	25 24	2 25	11 18	2 25	15 52	0 57	24 20	1 0	19 40	1 0	10 46	2 41	23 40	0 18	22 25	1 0	15 33	16 34	17 51	17 33	26 56	4 41	2 28	
T 19	19 18	22 56	1 27	11 30	2 26	16 15	0 55	24 23	1 0	19 39	1 0	10 44	2 41	23 40	0 18	22 25	1 0	15 33	16 34	17 52	17 34	26 56	4 41	2 27	
W20	19 33	19 27	0 25	11 46	2 26	16 37	0 53	24 24	1 0	19 37	1 0	10 43	2 40	23 40	0 18	22 25	1 0	15 33	16 34	17 52	17 35	26 56	4 40	2 27	
T 21	19 46	15 5	0n40	12 5	2 24	17 0	0 51	24 26	1 1	19 36	1 0	10 42	2 40	23 40	0 18	22 25	1 0	15 33	16 33	17 52	17 36	26 57	4 39	2 27	
F 22	20 0	10 0	1 44	12 26	2 22	17 21	0 49	24 27	1 1	19 34	1 0	10 41	2 40	23 39	0 18	22 25	1 0	15 33	16 33	17 52	17 37	26 57	4 38	2 27	
S 23	20 13	4 22	2 45	12 49	2 19	17 43	0 47	24 28	1 1	19 33	0 59	10 39	2 40	23 39	0 18	22 25	1 0	15 33	16 33	17 52	17 37	26 57	4 38	2 27	
S 24	20 25	1n39	3 39	13 13	2 15	18 4	0 45	24 29	1 1	19 31	0 59	10 38	2 40	23 39	0 18	22 25	1 0	15 33	16 32	17 53	17 38	26 57	4 37	2 27	
M25	20 37	7 47	4 23	13 39	2 10	18 24	0 43	24 30	1 2	19 30	0 59	10 37	2 40	23 39	0 18	22 25	1 0	15 33	16 32	17 54	17 39	26 57	4 36	2 26	
T 26	20 49	13 46	4 52	14 7	2 5	18 44	0 41	24 30	1 2	19 28	0 59	10 36	2 39	23 39	0 18	22 25	1 0	15 33	16 32	17 56	17 40	26 57	4 36	2 26	
W27	21 1	19 8	5 3	14 34	2 0	19 3	0 38	24 30	1 2	19 27	0 59	10 35	2 39	23 39	0 18	22 25	1 0	15 32	16 31	17 58	17 41	26 57	4 35	2 26	
T 28	21 12	23 26	4 53	15 3	1 54	19 22	0 36	24 29	1 2	19 25	0 59	10 34	2 39	23 39	0 18	22 25	1 0	15 32	16 31	18 1	17 42	26 58	4 34	2 26	
F 29	21 23	26 8	4 23	15 32	1 48	19 40	0 34	24 29	1 3	19 24	0 59	10 33	2 39	23 38	0 18	22 25	1 0	15 32	16 31	18 4	17 43	26 58	4 34	2 26	
S 30	21s33	26n53	3n33	16s 1	1n42	19s58	0n32	24s28	1s 3	19n22	0s58	10n32	2s39	23s38	0s18	22s24	1n 0	15s32	16s30	17s 6	17s43	26s58	4n33	2n25	

# ASTRODIENST EPHEMERIS for the year 1822

## geocentric

DECEMBER 1822

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 37 9	8♌17'18	9♍23	20♎58	2♏47	4♐19	0°R35	4°R23	5♑50	4♒0	28°R55	8°R38	10♓5	17♈55	5°R50	S 1
M 2	4 41 5	9°18'09	24°11	22°24	4° 2	5° 5	0II27	4♓20	5°53	4° 2	28♈55	8♉35	10° 1	18° 1	5°Y50	M 2
T 3	4 45 2	10°19'02	8♌34	23°51	5°18	5°51	0°19	4°16	5°57	4° 4	28°55	8°D34	9°58	18° 8	5°49	T 3
W 4	4 48 58	11°19'56	22°30	25°19	6°33	6°37	0°11	4°13	6° 0	4° 6	28°54	8°34	9°55	18°15	5°48	W 4
T 5	4 52 55	12°20'51	5♎59	26°48	7°49	7°23	0° 4	4°10	6° 3	4° 8	28°54	8°35	9°52	18°22	5°47	T 5
F 6	4 56 52	13°21'47	19° 5	28°17	9° 4	8° 9	29♏56	4° 7	6° 7	4°10	28°54	8°R35	9°49	18°28	5°47	F 6
S 7	5 0 48	14°22'45	1♌50	29°47	10°20	8°55	29°48	4° 3	6°10	4°12	28°54	8°33	9°46	18°35	5°46	S 7
S 8	5 4 45	15°23'44	14°19	1♌17	11°35	9°42	29°41	4° 0	6°13	4°15	28°54	8°29	9°42	18°42	5°45	S 8
M 9	5 8 41	16°24'44	26°35	2°48	12°51	10°28	29°33	3°58	6°17	4°17	28°54	8°23	9°39	18°48	5°45	M 9
T 10	5 12 38	17°25'45	8♎41	4°19	14° 6	11°14	29°26	3°55	6°20	4°19	28°53	8°15	9°36	18°55	5°44	T 10
W11	5 16 34	18°26'47	20°40	5°50	15°22	12° 1	29°18	3°52	6°24	4°21	28°53	8° 5	9°33	19° 2	5°44	W11
T 12	5 20 31	19°27'50	2♌35	7°22	16°38	12°47	29°11	3°49	6°27	4°23	28°53	7°55	9°30	19° 8	5°44	T 12
F 13	5 24 27	20°28'54	14°26	8°53	17°53	13°33	29° 4	3°47	6°31	4°26	28°53	7°45	9°27	19°15	5°43	F 13
S 14	5 28 24	21°29'59	26°16	10°25	19° 9	14°20	28°57	3°44	6°34	4°28	28°D53	7°37	9°23	19°22	5°43	S 14
S 15	5 32 21	22°31'04	8♑6	11°57	20°24	15° 6	28°50	3°42	6°38	4°30	28°53	7°30	9°20	19°28	5°43	S 15
M16	5 36 17	23°32'10	19°58	13°30	21°40	15°53	28°43	3°40	6°41	4°32	28°53	7°26	9°17	19°35	5°43	M16
T 17	5 40 14	24°33'16	1♌55	15° 2	22°55	16°40	28°36	3°38	6°45	4°34	28°53	7°D24	9°14	19°42	5°43	T 17
W18	5 44 10	25°34'23	13°58	16°35	24°11	17°26	28°30	3°35	6°48	4°37	28°53	7°25	9°11	19°49	5°D43	W18
T 19	5 48 7	26°35'30	26°12	18° 8	25°26	18°13	28°24	3°34	6°52	4°39	28°54	7°26	9° 7	19°55	5°43	T 19
F 20	5 52 3	27°36'37	8♈41	19°41	26°42	19° 0	28°17	3°32	6°55	4°41	28°54	7°27	9° 4	20° 2	5°43	F 20
S 21	5 56 0	28°37'44	21°28	21°14	27°57	19°46	28°11	3°30	6°59	4°43	28°54	7°29	9° 1	20° 9	5°43	S 21
S 22	5 59 56	29°38'52	4♎38	22°48	29°13	20°33	28° 5	3°28	7° 2	4°46	28°54	7°R29	8°58	20°15	5°43	S 22
M23	6 3 53	0♑40'00	18°14	24°21	0♑28	21°20	28° 0	3°27	7° 6	4°48	28°54	7°27	8°55	20°22	5°44	M23
T 24	6 7 50	1°41'07	2♌18	25°55	1°44	22° 7	27°54	3°25	7°10	4°50	28°55	7°24	8°52	20°29	5°44	T 24
W25	6 11 46	2°42'15	16°49	27°29	2°59	22°54	27°49	3°24	7°13	4°53	28°55	7°20	8°48	20°35	5°44	W25
T 26	6 15 43	3°43'23	1♎43	29° 4	4°15	23°40	27°43	3°23	7°17	4°55	28°55	7°15	8°45	20°42	5°45	T 26
F 27	6 19 39	4°44'31	16°53	0♑38	5°30	24°27	27°38	3°22	7°20	4°57	28°55	7°10	8°42	20°49	5°45	F 27
S 28	6 23 36	5°45'39	2♍9	2°13	6°46	25°14	27°33	3°21	7°24	4°59	28°56	7° 6	8°39	20°55	5°46	S 28
S 29	6 27 32	6°46'47	17°20	3°48	8° 1	26° 1	27°28	3°20	7°28	5° 2	28°56	7° 3	8°36	21° 2	5°47	S 29
M30	6 31 29	7°47'55	2♎18	5°24	9°17	26°48	27°24	3°19	7°31	5° 4	28°56	7°D 2	8°33	21° 9	5°47	M30
T 31	6 35 25	8♑49'04	16♎54	7♑0	10♑32	27♑35	27♎19	3♎18	7♑35	5♑6	28♈57	7♎2	8♎29	21♌15	5°Y48	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	21s43	25n37	2n29	16s29	1n35	20s15	0n29	24s27	1s 3	19n21	0s58	10n31	2s38	23s38	0s18	22s24
M 2	21 52	22 33	1 16	16 58	1 28	20 32	0 27	24 25	1 3	19 19	0 58	10 30	2 38	23 38	0 18	22 24
T 3	22 1	18 8	0 0	17 27	1 21	20 48	0 25	24 24	1 4	19 18	0 58	10 29	2 38	23 38	0 18	22 24
W 4	22 10	12 52	1s14	17 55	1 14	21 3	0 23	24 22	1 4	19 16	0 58	10 28	2 38	23 38	0 18	22 24
T 5	22 18	7 8	2 21	18 23	1 7	21 18	0 20	24 19	1 4	19 15	0 58	10 27	2 38	23 38	0 18	22 24
F 6	22 26	1 16	3 19	18 50	0 59	21 32	0 18	24 17	1 4	19 13	0 57	10 26	2 37	23 37	0 18	22 24
S 7	22 33	4s29	4 6	19 17	0 52	21 46	0 15	24 14	1 4	19 12	0 57	10 25	2 37	23 37	0 18	22 24
S 8	22 40	9 56	4 40	19 43	0 45	21 59	0 13	24 11	1 5	19 10	0 57	10 24	2 37	23 37	0 18	22 24
M 9	22 46	14 55	5 0	20 8	0 37	22 11	0 11	24 8	1 5	19 9	0 57	10 24	2 37	23 37	0 18	22 24
T 10	22 52	19 14	5 6	20 32	0 30	22 23	0 8	24 4	1 5	19 8	0 57	10 23	2 36	23 37	0 18	22 24
W11	22 58	22 44	4 59	20 56	0 23	22 34	0 6	24 0	1 5	19 6	0 57	10 22	2 36	23 37	0 18	22 24
T 12	23 3	25 15	4 39	21 18	0 16	22 44	0 3	23 56	1 5	19 5	0 56	10 22	2 36	23 36	0 18	22 24
F 13	23 7	26 38	4 6	21 40	0 8	22 54	0 1	23 51	1 5	19 3	0 56	10 21	2 36	23 36	0 18	22 24
S 14	23 11	26 48	3 24	22 1	0 1	23 2	0s 1	23 47	1 6	19 2	0 56	10 20	2 35	23 36	0 18	22 24
S 15	23 15	25 44	2 32	22 20	0s 6	23 11	0 4	23 42	1 6	19 1	0 56	10 20	2 35	23 36	0 18	22 24
M16	23 18	23 31	1 33	22 39	0 13	23 18	0 6	23 36	1 6	19 0	0 56	10 19	2 35	23 36	0 18	22 24
T 17	23 21	20 14	0 30	22 57	0 19	23 25	0 8	23 31	1 6	18 58	0 55	10 19	2 35	23 36	0 18	22 24
W18	23 23	16 5	0n36	23 13	0 26	23 31	0 11	23 25	1 6	18 57	0 55	10 18	2 34	23 35	0 18	22 24
T 19	23 25	11 13	1 40	23 29	0 33	23 36	0 13	23 19	1 6	18 56	0 55	10 18	2 34	23 35	0 18	22 24
F 20	23 27	5 49	2 42	23 43	0 39	23 41	0 16	23 13	1 6	18 55	0 55	10 18	2 34	23 35	0 18	22 23
S 21	23 27	0 4	3 37	23 56	0 45	23 45	0 18	23 6	1 6	18 54	0 54	10 17	2 33	23 35	0 18	22 23
S 22	23 28	5n51	4 22	24 7	0 51	23 48	0 20	22 59	1 7	18 52	0 54	10 17	2 33	23 35	0 18	22 23
M23	23 28	11 42	4 54	24 18	0 57	23 50	0 23	22 52	1 7	18 51	0 54	10 17	2 33	23 35	0 18	22 23
T 24	23 27	17 8	5 10	24 27	1 3	23 52	0 25	22 45	1 7	18 50	0 54	10 17	2 33	23 34	0 18	22 23
W25	23 26	21 47	5 7	24 35	1 9	23 53	0 27	22 37	1 7	18 49	0 53	10 16	2 32	23 34	0 18	22 23
T 26	23 25	25 10	4 44	24 42	1 14	23 53	0 29	22 29	1 7	18 48	0 53	10 16	2 32	23 34	0 18	22 23
F 27	23 23	26 48	4 0	24 47	1 19	23 53	0 32	22 21	1 7	18 48	0 53	10 16	2 32	23 34	0 18	22 23
S 28	23 20	26 26	2 59	24 51	1 24	23 51	0 34	22 12	1 7	18 47	0 53	10 16	2 32	23 34	0 18	22 23
S 29	23 17	24 5	1 46	24 54	1 29	23 49	0 36	22 4	1 7	18 46	0 53	10 16	2 31	23 33	0 18	22 23
M30	23 14	20 5	0 26	24 55	1 34	23 47	0 38	21 55	1 7	18 45	0 52	10 16	2 31	23 33	0 18	22 23
T 31	23s10	14n56	0s54	24s55	1s38	23s43	0s40	21s46	1s 7	18n44	0s52	10n16	2s31	23s33	0s18	22s23

Julian Day Number = 2386865.5, Delta T = 15.49 sec  
 Ecliptic obliquity = 23°27'50, Nutation = 0°00'12, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 22°16'03, Lahiri = 21°23'04