



# Astrodienst Ephemeris Tables for the year 1815

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 1815

## geocentric

JANUARY 1815

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 39 5	9°34'15	19°15	22°40	11°37	28°18	9°17	0°27	4°51	18°16	19°52	13°54	13°10	25°40	6°4	S 1	
M 2	6 43 2	10°47'24	3°3	24° 7	12°22	28°59	9°22	0°33	4°54	18°19	19°53	13° 4	13° 6	25°47	6° 7	M 2	
T 3	6 46 59	11°48'33	16°26	25°35	13°37	29°40	9°26	0°40	4°58	18°21	19°53	13°R 4	13° 3	25°54	6° 9	T 3	
W 4	6 50 55	12°49'43	29°28	27° 4	14°53	0°20	9°30	0°47	5° 1	18°23	19°54	13°D 4	13° 0	26° 0	6°12	W 4	
T 5	6 54 52	13°50'53	12° 9	28°33	16° 8	1° 1	9°34	0°54	5° 4	18°25	19°55	13° 4	12°57	26° 7	6°15	T 5	
F 6	6 58 48	14°52'03	24°35	0°32	17°24	1°42	9°38	1° 1	5° 7	18°27	19°55	13° 4	12°54	26°14	6°17	F 6	
S 7	7 2 45	15°53'13	6°48	1°32	18°39	2°23	9°41	1° 8	5°10	18°29	19°56	13° 4	12°51	26°20	6°20	S 7	
S 8	7 6 41	16°54'23	18°51	3° 3	19°55	3° 4	9°44	1°15	5°13	18°31	19°57	13° 5	12°47	26°27	6°23	S 8	
M 9	7 10 38	17°55'33	0°36	4°33	21°10	3°44	9°48	1°22	5°16	18°33	19°58	13° 5	12°44	26°34	6°26	M 9	
T 10	7 14 34	18°56'43	12°37	6° 5	22°26	4°25	9°50	1°29	5°19	18°35	19°59	13°R 5	12°41	26°40	6°29	T 10	
W 11	7 18 31	19°57'53	24°25	7°37	23°41	5° 6	9°53	1°36	5°22	18°37	20° 0	13° 5	12°38	26°47	6°32	W 11	
T 12	7 22 28	20°59'02	6°12	9° 9	24°57	5°47	9°56	1°43	5°25	18°39	20° 0	13° 4	12°35	26°54	6°35	T 12	
F 13	7 26 24	22° 0'10	18° 1	10°42	26°12	6°28	9°58	1°50	5°27	18°41	20° 1	13° 3	12°31	27° 0	6°38	F 13	
S 14	7 30 21	23° 1'18	29°54	12°16	27°28	7° 9	10° 1	1°57	5°30	18°43	20° 2	13° 2	12°28	27° 7	6°41	S 14	
S 15	7 34 17	24° 2'25	11°54	13°49	28°43	7°50	10° 3	2° 4	5°33	18°45	20° 3	13° 0	12°25	27°13	6°44	S 15	
M 16	7 38 14	25° 3'31	24° 3	15°24	29°58	8°31	10° 4	2°12	5°36	18°47	20° 4	12°59	12°22	27°20	6°47	M 16	
T 17	7 42 10	26° 4'37	6°25	16°59	1°14	9°12	10° 6	2°19	5°38	18°49	20° 5	12°57	12°19	27°27	6°50	T 17	
W 18	7 46 7	27° 5'42	19° 3	18°34	2°29	9°53	10° 8	2°26	5°41	18°51	20° 6	12°56	12°16	27°33	6°53	W 18	
T 19	7 50 3	28° 6'46	2° 2	20°10	3°45	10°34	10° 9	2°33	5°44	18°53	20° 7	12°D56	12°12	27°40	6°56	T 19	
F 20	7 54 0	29° 7'49	15°24	21°47	5° 0	11°15	10°10	2°40	5°46	18°55	20° 8	12°57	12° 9	27°47	7° 0	F 20	
S 21	7 57 57	0° 8'51	29°12	23°24	6°15	11°56	10°11	2°47	5°49	18°56	20° 9	12°58	12° 6	27°53	7° 3	S 21	
S 22	8 1 53	1° 9'52	13°26	25° 2	7°31	12°37	10°12	2°54	5°51	18°58	20°10	12°59	12° 3	28° 0	7° 6	S 22	
M 23	8 5 50	2°10'52	28° 5	26°40	8°46	13°18	10°12	3° 2	5°54	19° 0	20°12	13° 1	12° 0	28° 7	7°10	M 23	
T 24	8 9 46	3°11'51	13°5	28°19	10° 1	13°59	10°13	3° 9	5°56	19° 2	20°13	13°R 1	11°57	28°13	7°13	T 24	
W 25	8 13 43	4°12'49	28°17	29°59	11°17	14°41	10°R13	3°16	5°59	19° 3	20°14	13° 0	11°53	28°20	7°16	W 25	
T 26	8 17 39	5°13'46	13°32	1°39	12°32	15°22	10°13	3°23	6° 1	19° 5	20°15	12°59	11°50	28°27	7°20	T 26	
F 27	8 21 36	6°14'42	28°41	3°20	13°47	16° 3	10°12	3°30	6° 3	19° 7	20°16	12°56	11°47	28°33	7°23	F 27	
S 28	8 25 32	7°15'37	13°34	5° 1	15° 2	16°44	10°12	3°37	6° 5	19° 9	20°17	12°53	11°44	28°40	7°27	S 28	
S 29	8 29 29	8°16'32	28° 4	6°44	16°18	17°26	10°11	3°44	6° 8	19°10	20°18	12°49	11°41	28°47	7°30	S 29	
M 30	8 33 26	9°17'25	12° 5	8°27	17°33	18° 7	10°11	3°52	6°10	19°12	20°20	12°46	11°37	28°53	7°34	M 30	
T 31	8 37 22	10°18'18	25°38	10°10	18°48	18°48	10°12	3°59	6°12	19°13	20°21	12°44	11°34	29° 0	7°37	T 31	

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23s 6	8n43	4n51	23s 6	0n 9	23s40	0s41	19s29	0n20	2s28	1n19	20s29	0s25	21s 0	0n 8	21s35	1n22
M 2	23 1	3 35	5 13	23 18	0 2	23 36	0 43	19 38	0 19	2 30	1 19	20 27	0 25	21 1	0 8	21 35	1 22
T 3	22 56	1s35	5 18	23 29	0s 6	23 30	0 45	19 48	0 18	2 31	1 20	20 26	0 25	21 1	0 8	21 35	1 22
W 4	22 51	6 32	5 5	23 39	0 13	23 24	0 47	19 57	0 18	2 33	1 20	20 24	0 25	21 2	0 8	21 35	1 22
T 5	22 44	11 5	4 38	23 48	0 20	23 18	0 49	20 6	0 17	2 34	1 20	20 23	0 25	21 2	0 8	21 36	1 22
F 6	22 38	15 5	3 58	23 55	0 27	23 10	0 51	20 15	0 17	2 35	1 20	20 21	0 25	21 3	0 8	21 36	1 22
S 7	22 31	18 22	3 9	24 1	0 34	23 2	0 53	20 24	0 16	2 36	1 21	20 20	0 25	21 3	0 8	21 36	1 22
S 8	22 24	20 49	2 11	24 6	0 41	22 53	0 55	20 32	0 15	2 37	1 21	20 18	0 25	21 4	0 8	21 36	1 22
M 9	22 16	22 20	1 8	24 10	0 47	22 43	0 56	20 41	0 15	2 38	1 21	20 17	0 25	21 4	0 8	21 36	1 22
T 10	22 7	22 49	0 3	24 13	0 54	22 33	0 58	20 49	0 14	2 39	1 22	20 16	0 25	21 5	0 8	21 36	1 22
W 11	21 59	22 17	1s 3	24 14	1 0	22 22	1 0	20 57	0 13	2 40	1 22	20 14	0 25	21 6	0 8	21 36	1 22
T 12	21 49	20 45	2 5	24 14	1 5	22 11	1 2	21 5	0 13	2 41	1 22	20 12	0 25	21 6	0 8	21 37	1 22
F 13	21 40	18 20	3 2	24 13	1 11	21 58	1 3	21 13	0 12	2 42	1 22	20 11	0 25	21 7	0 8	21 37	1 22
S 14	21 30	15 8	3 52	24 10	1 16	21 45	1 5	21 20	0 11	2 42	1 23	20 9	0 25	21 7	0 8	21 37	1 22
S 15	21 19	11 17	4 32	24 6	1 22	21 32	1 7	21 28	0 11	2 43	1 23	20 8	0 26	21 8	0 8	21 37	1 22
M 16	21 9	6 57	5 0	24 0	1 27	21 17	1 8	21 35	0 10	2 43	1 23	20 6	0 26	21 8	0 8	21 37	1 22
T 17	20 57	2 16	5 15	23 54	1 31	21 2	1 8	21 42	0 9	2 44	1 23	20 5	0 26	21 8	0 8	21 37	1 22
W 18	20 46	2n36	5 15	23 45	1 36	20 47	1 11	21 49	0 9	2 44	1 24	20 3	0 26	21 9	0 8	21 37	1 22
T 19	20 34	7 30	5 0	23 36	1 40	20 31	1 13	21 55	0 8	2 44	1 24	20 2	0 26	21 9	0 8	21 38	1 22
F 20	20 21	12 12	4 28	23 24	1 44	20 14	1 14	22 2	0 7	2 44	1 24	20 0	0 26	21 10	0 8	21 38	1 22
S 21	20 8	16 26	3 39	23 12	1 47	19 56	1 15	22 8	0 6	2 44	1 24	19 59	0 26	21 10	0 8	21 38	1 23
S 22	19 55	19 51	2 37	22 58	1 51	19 39	1 16	22 14	0 6	2 45	1 25	19 57	0 26	21 11	0 8	21 38	1 23
M 23	19 42	22 5	1 22	22 42	1 54	19 20	1 18	22 20	0 5	2 44	1 25	19 55	0 26	21 11	0 8	21 38	1 23
T 24	19 28	22 49	0n 0	22 25	1 56	19 1	1 19	22 26	0 4	2 44	1 25	19 54	0 26	21 12	0 8	21 38	1 23
W 25	19 13	21 53	1 23	22 6	1 59	18 41	1 20	22 31	0 3	2 44	1 26	19 52	0 26	21 12	0 8	21 38	1 23
T 26	18 59	19 20	2 41	21 46	2 1	18 21	1 21	22 37	0 3	2 44	1 26	19 51	0 26	21 12	0 8	21 38	1 23
F 27	18 44	15 28	3 46	21 25	2 2	18 1	1 22	22 42	0 2	2 44	1 26	19 49	0 26	21 13	0 8	21 39	1 23
S 28	18 28	10 41	4 35	21 1	2 3	17 39	1 23	22 47	0 1	2 43	1 26	19 47	0 26	21 13	0 8	21 39	1 23
S 29	18 13	5 25	5 4	20 37	2 4	17 18	1 23	22 52	0 0	2 43	1 27	19 46	0 27	21 14	0 8	21 39	1 23
M 30	17 57	0 3	5 15	20 11	2 5	16 56	1 24	22 56	0s 0	2 42	1 27	19 44	0 27	21 14	0 8	21 39	1 23
T 31	17s41	5s 9	5n 7	19s43	2s 5	16s33	1s25	23s 1	0s 1	2s42	1n27	19s43	0s27	21s14	0n 8	21s39	1n23

Julian Day Number = 2383974.5, Delta T = 16.11 sec  
 Ecliptic obliquity = 23°27'46, Nutation = - 0°00'16, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 22°09'26, Lahiri = 21°16'26

## 00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	8 41 19	11 <sup>11</sup> 19°10'	8 <sup>11</sup> 44	11 <sup>11</sup> 55	20 <sup>11</sup> 33	19 <sup>11</sup> 30	10°R 9	4 <sup>11</sup> 6	6 <sup>11</sup> 14	19 <sup>11</sup> 15	20 <sup>11</sup> 22	12°D43	11 <sup>11</sup> 31	29 <sup>11</sup> 7	7 <sup>11</sup> 41	W 1
T 2	8 45 15	12°20'01	21°25	13°40	21°19	20°11	10 <sup>11</sup> 7	4°13	6°16	19°17	20°23	12 <sup>11</sup> 43	11°28	29°13	7°44	T 2
F 3	8 49 12	13°20'52	3 <sup>11</sup> 46	15°25	22°34	20°52	10° 6	4°20	6°18	19°18	20°25	12°44	11°25	29°20	7°48	F 3
S 4	8 53 8	14°21'41	15°53	17°12	23°49	21°34	10° 4	4°27	6°20	19°20	20°26	12°46	11°22	29°26	7°52	S 4
S 5	8 57 5	15°22'30	27°48	18°59	25° 4	22°15	10° 2	4°34	6°22	19°21	20°27	12°48	11°18	29°33	7°55	S 5
M 6	9 1 1	16°23'18	9 <sup>11</sup> 37	20°46	26°19	22°57	10° 0	4°41	6°24	19°22	20°29	12°R49	11°15	29°40	7°59	M 6
T 7	9 4 58	17°24'04	21°24	22°35	27°34	23°38	9°58	4°48	6°25	19°24	20°30	12°49	11°12	29°46	8° 3	T 7
W 8	9 8 55	18°24'49	3 <sup>11</sup> 11	24°23	28°50	24°20	9°55	4°55	6°27	19°25	20°31	12°46	11° 9	29°53	8° 6	W 8
T 9	9 12 51	19°25'33	15° 1	26°12	0 <sup>11</sup> 5	25° 1	9°52	5° 2	6°29	19°27	20°33	12°43	11° 6	29°59	8°10	T 9
F 10	9 16 48	20°26'16	26°55	28° 2	1°20	25°43	9°50	5° 9	6°30	19°28	20°34	12°37	11° 3	0 <sup>11</sup> 6	8°14	F 10
S 11	9 20 44	21°26'57	8 <sup>11</sup> 57	29°51	2°35	26°24	9°46	5°16	6°32	19°29	20°35	12°30	10°59	0°13	8°18	S 11
S 12	9 24 41	22°27'37	21° 7	1 <sup>11</sup> 41	3°50	27° 6	9°43	5°23	6°34	19°31	20°37	12°22	10°56	0°20	8°21	S 12
M13	9 28 37	23°28'15	3 <sup>11</sup> 26	3°31	5° 5	27°47	9°40	5°30	6°35	19°32	20°38	12°14	10°53	0°26	8°25	M13
T 14	9 32 34	24°28'51	15°56	5°20	6°20	28°29	9°36	5°37	6°37	19°33	20°40	12° 8	10°50	0°33	8°29	T 14
W15	9 36 30	25°29'26	28°40	7° 8	7°35	29°10	9°33	5°44	6°38	19°34	20°41	12° 2	10°47	0°40	8°33	W15
T 16	9 40 27	26°29'59	11 <sup>11</sup> 39	8°56	8°50	29°52	9°29	5°51	6°39	19°35	20°42	11°59	10°43	0°46	8°37	T 16
F 17	9 44 24	27°30'30	24°55	10°43	10° 5	0 <sup>11</sup> 34	9°25	5°58	6°41	19°37	20°44	11°D58	10°40	0°53	8°41	F 17
S 18	9 48 20	28°30'59	8 <sup>11</sup> 32	12°27	11°20	1°15	9°20	6° 4	6°42	19°38	20°45	11°58	10°37	1° 0	8°44	S 18
S 19	9 52 17	29°31'27	22°30	14°10	12°35	1°57	9°16	6°11	6°43	19°39	20°47	12° 0	10°34	1° 6	8°48	S 19
M20	9 56 13	0 <sup>11</sup> 31'52	6 <sup>11</sup> 51	15°51	13°50	2°39	9°11	6°18	6°44	19°40	20°48	12°R 1	10°31	1°13	8°52	M20
T 21	10 0 10	1°32'16	21°31	17°29	15° 5	3°20	9° 7	6°25	6°45	19°41	20°50	12° 0	10°28	1°20	8°56	T 21
W22	10 4 6	2°32'38	6 <sup>11</sup> 27	19° 3	16°19	4° 2	9° 2	6°31	6°46	19°42	20°51	11°58	10°24	1°26	9° 0	W22
T 23	10 8 3	3°32'58	21°32	20°32	17°34	4°44	8°57	6°38	6°47	19°43	20°53	11°53	10°21	1°33	9° 4	T 23
F 24	10 11 59	4°33'16	6 <sup>11</sup> 36	21°58	18°49	5°26	8°51	6°45	6°48	19°44	20°54	11°46	10°18	1°40	9° 8	F 24
S 25	10 15 56	5°33'32	21°30	23°18	20° 4	6° 7	8°46	6°51	6°49	19°44	20°56	11°38	10°15	1°46	9°12	S 25
S 26	10 19 53	6°33'47	6 <sup>11</sup> 6	24°31	21°19	6°49	8°41	6°58	6°50	19°45	20°57	11°29	10°12	1°53	9°15	S 26
M27	10 23 49	7°34'00	20°16	25°39	22°33	7°31	8°35	7° 4	6°51	19°46	20°59	11°21	10° 8	2° 0	9°19	M27
T 28	10 27 46	8 <sup>11</sup> 34'12	3 <sup>11</sup> 58	26 <sup>11</sup> 39	23 <sup>11</sup> 48	8 <sup>11</sup> 13	8 <sup>11</sup> 29	7 <sup>11</sup> 11	6 <sup>11</sup> 51	19 <sup>11</sup> 47	21 <sup>11</sup> 0	11 <sup>11</sup> 14	10 <sup>11</sup> 5	2 <sup>11</sup> 6	9 <sup>11</sup> 23	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	
W 1	17s24	9s57	4n43	19s13	2s 4	16s10	1s26	23s 5	0s 2	2s41	1n27	19s41	0s27	21s15	0n 8	21s39	1n23	17s43	15s10	22n51	22n58	21s53	4s 1	5n 2
T 2	17 7	14 11	4 6	18 43	2 3	15 46	1 26	23 9	0 3	2 40	1 28	19 39	0 27	21 15	0 8	21 39	1 23	17 42	15 10	22 51	22 58	21 52	4 0	5 2
F 3	16 50	17 41	3 18	18 10	2 2	15 22	1 27	23 12	0 4	2 39	1 28	19 38	0 27	21 15	0 8	21 39	1 23	17 42	15 10	22 51	22 58	21 52	3 59	5 2
S 4	16 32	20 21	2 22	17 36	2 0	14 58	1 27	23 16	0 4	2 38	1 28	19 36	0 27	21 16	0 8	21 39	1 23	17 41	15 10	22 51	22 59	21 51	3 58	5 1
S 5	16 14	22 5	1 21	17 1	1 58	14 33	1 28	23 19	0 5	2 37	1 28	19 35	0 27	21 16	0 8	21 39	1 23	17 40	15 9	22 51	22 59	21 51	3 57	5 1
M 6	15 56	22 49	0 18	16 24	1 55	14 8	1 28	23 22	0 6	2 36	1 29	19 33	0 27	21 16	0 8	21 40	1 23	17 40	15 9	22 51	22 59	21 50	3 55	5 1
T 7	15 38	22 32	0s47	15 45	1 51	13 42	1 28	23 25	0 7	2 35	1 29	19 31	0 27	21 17	0 8	21 40	1 23	17 39	15 9	22 51	22 59	21 49	3 54	5 1
W 8	15 19	21 14	1 49	15 6	1 47	13 16	1 28	23 28	0 8	2 34	1 29	19 30	0 27	21 17	0 8	21 40	1 23	17 38	15 9	22 51	23 0	21 49	3 53	5 1
T 9	15 1	19 0	2 47	14 24	1 43	12 50	1 28	23 31	0 8	2 33	1 29	19 28	0 27	21 17	0 8	21 40	1 23	17 38	15 9	22 51	23 0	21 48	3 52	5 1
F 10	14 41	15 57	3 37	13 42	1 38	12 23	1 29	23 33	0 9	2 31	1 30	19 27	0 27	21 18	0 8	21 40	1 23	17 37	15 9	22 52	23 0	21 48	3 50	5 1
S 11	14 22	12 13	4 19	12 58	1 32	11 56	1 29	23 35	0 10	2 30	1 30	19 25	0 28	21 18	0 8	21 40	1 23	17 36	15 8	22 53	23 0	21 47	3 49	5 0
S 12	14 2	7 57	4 49	12 13	1 25	11 29	1 28	23 37	0 11	2 28	1 30	19 23	0 28	21 18	0 8	21 40	1 23	17 36	15 8	22 53	23 1	21 46	3 48	5 0
M13	13 43	3 19	5 6	11 27	1 18	11 2	1 28	23 38	0 12	2 27	1 30	19 22	0 28	21 18	0 8	21 40	1 23	17 35	15 8	22 54	23 1	21 46	3 47	5 0
T 14	13 22	1n32	5 9	10 39	1 10	10 34	1 28	23 40	0 13	2 25	1 31	19 20	0 28	21 19	0 8	21 40	1 23	17 34	15 8	22 55	23 1	21 45	3 45	5 0
W15	13 2	6 23	4 57	9 51	1 2	10 5	1 28	23 41	0 14	2 23	1 31	19 18	0 28	21 19	0 8	21 40	1 23	17 34	15 8	22 55	23 2	21 44	3 44	5 0
T 16	12 42	11 4	4 29	9 3	0 53	9 37	1 28	23 42	0 14	2 22	1 31	19 17	0 28	21 19	0 8	21 40	1 23	17 33	15 8	22 55	23 2	21 44	3 43	5 0
F 17	12 21	15 21	3 47	8 13	0 43	9 8	1 27	23 43	0 15	2 20	1 31	19 15	0 28	21 19	0 8	21 40	1 23	17 32	15 8	22 55	23 2	21 43	3 41	5 0
S 18	12 0	18 56	2 51	7 23	0 32	8 39	1 27	23 44	0 16	2 18	1 32	19 14	0 28	21 20	0 8	21 40	1 23	17 32	15 8	22 55	23 2	21 43	3 40	5 0
S 19	11 39	21 32	1 43	6 34	0 21	8 10	1 26	23 44	0 17	2 16	1 32	19 12	0 28	21 20	0 8	21 40	1 23	17 31	15 7	22 55	23 3	21 42	3 39	4 59
M20	11 18	22 49	0 28	5 44	0 9	7 41	1 26	23 44	0 18	2 14	1 32	19 10	0 28	21 20	0 8	21 40	1 23	17 30	15 7	22 55	23 3	21 41	3 37	4 59
T 21	10 56	22 35	0n51	4 54	0n 3	7 11	1 25	23 44	0 19	2 12	1 32	19 9	0 28	21 20	0 8	21 40	1 23	17 29	15 7	22 55	23 3	21 41	3 36	4 59
W22	10 35	20 45	2 8	4 6	0 16	6 42	1 24	23 44	0 20	2 10	1 32	19 7	0 28	21 20	0 8	21 40	1 24	17 29	15 7	22 55	23 3	21 40	3 35	4 59
T 23	10 13	17 26	3 16	3 18	0 29	6 12	1 23	23 43	0 21	2 8	1 33	19 6	0 29	21 20	0 8	21 40	1 24	17 28	15 7	22 56	23 4	21 39	3 33	4 59
F 24	9 51	12 59	4 11	2 32	0 43	5 42	1 22	23 43	0 22	2 5	1 33	19 4	0 29	21 21	0 7	21 41	1 24	17 27	15 7	22 56	23 4	21 38	3 32	4 59
S 25	9 29	7 46	4 48	1 47	0 58	5 11	1 22	23 42	0 23	2 3	1 33	19 3	0 29	21 21	0 7	21 41	1 24	17 27	15 7	22 57	23 4	21 38	3 31	4 59
S 26	9 7	2 14	5 5	1 5	1 12	4 41	1 21	23 41	0 24	2 1	1 33	19 1	0 29	21 21	0 7	21 41	1 24	17 26	15 7	22 58	23 4	21 37	3 29	4 59
M27	8 44	3s15	5 2	0 25	1 26	4 11	1 20	23 40	0 25	1 58	1 33	18 59	0 29	21 21	0 7	21 41	1 24	17 25	15 7	22 59	23 5	21 36	3 28	4 59
T 28	8s22	8s25	4n43	0n13	1n41	3s40	1s18	23s38	0s26	1s56	1n34	18s58	0s29	21s21	0n 7	21s41	1n24	17s25	15s 7	22n59	23n 5	21s36	3s26	4n59

Ayanamsha: Fagan/Bradley = 22°09'30", Lahiri = 21°16'30"

ASTRODIENST EPHEMERIS for the year 1815  
geocentric

MARCH 1815

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 31 42	9♂34'22	17♂11	27♂32	25♂ 3	8♂55	8°R23	7♂17	6♂52	19♂48	21♂ 2	11°R 9	10♂ 2	2♂13	9♂27	W 1
T 2	10 35 39	10°34'30	29°57	28°16	26°17	9°37	8♂17	7°24	6°52	19°48	21° 3	11♂ 7	9°59	2°19	9°31	T 2
F 3	10 39 35	11°34'37	12♂21	28°52	27°32	10°19	8°11	7°30	6°53	19°49	21° 5	11°D 6	9°56	2°26	9°35	F 3
S 4	10 43 32	12°34'42	24°28	29°19	28°46	11° 0	8° 5	7°36	6°54	19°50	21° 6	11° 6	9°53	2°33	9°39	S 4
S 5	10 47 28	13°34'46	6♂22	29°37	0♂ 1	11°42	7°58	7°43	6°54	19°50	21° 8	11°R 7	9°49	2°39	9°43	S 5
M 6	10 51 25	14°34'49	18°10	29°R46	1°15	12°24	7°52	7°49	6°54	19°51	21° 9	11° 7	9°46	2°46	9°47	M 6
T 7	10 55 22	15°34'49	29°56	29°46	2°30	13° 6	7°45	7°55	6°55	19°51	21°11	11° 5	9°43	2°53	9°50	T 7
W 8	10 59 18	16°34'48	11♂44	29°37	3°44	13°48	7°39	8° 1	6°55	19°52	21°12	11° 1	9°40	2°59	9°54	W 8
T 9	11 3 15	17°34'45	23°39	29°19	4°59	14°30	7°32	8° 7	6°55	19°52	21°14	10°53	9°37	3° 6	9°58	T 9
F 10	11 7 11	18°34'40	5♂42	28°53	6°13	15°12	7°25	8°13	6°55	19°53	21°15	10°44	9°34	3°13	10° 2	F 10
S 11	11 11 8	19°34'33	17°55	28°20	7°28	15°54	7°18	8°19	6°55	19°53	21°17	10°32	9°30	3°19	10° 6	S 11
S 12	11 15 4	20°34'24	0♂19	27°41	8°42	16°36	7°11	8°25	6°56	19°54	21°19	10°19	9°27	3°26	10°10	S 12
M13	11 19 1	21°34'14	12°55	26°56	9°56	17°18	7° 4	8°31	6°R56	19°54	21°20	10° 6	9°24	3°33	10°14	M13
T 14	11 22 57	22°34'01	25°42	26° 6	11°11	18° 0	6°56	8°37	6°55	19°54	21°22	9°55	9°21	3°39	10°17	T 14
W15	11 26 54	23°33'46	8♂41	25°13	12°25	18°42	6°49	8°43	6°55	19°55	21°23	9°45	9°18	3°46	10°21	W15
T 16	11 30 50	24°33'29	21°51	24°18	13°39	19°24	6°42	8°48	6°55	19°55	21°25	9°39	9°14	3°53	10°25	T 16
F 17	11 34 47	25°33'09	5♂14	23°22	14°53	20° 7	6°34	8°54	6°55	19°55	21°26	9°35	9°11	3°59	10°29	F 17
S 18	11 38 44	26°32'48	18°50	22°26	16° 8	20°49	6°27	9° 0	6°55	19°55	21°28	9°33	9° 8	4° 6	10°33	S 18
S 19	11 42 40	27°32'24	2♂41	21°32	17°22	21°31	6°19	9° 5	6°54	19°55	21°29	9°33	9° 5	4°13	10°36	S 19
M20	11 46 37	28°31'58	16°46	20°40	18°36	22°13	6°11	9°11	6°54	19°56	21°31	9°33	9° 2	4°19	10°40	M20
T 21	11 50 33	29°31'29	1♂ 7	19°52	19°50	22°55	6° 4	9°16	6°54	19°56	21°32	9°32	8°59	4°26	10°44	T 21
W22	11 54 30	0♂30'58	15°40	19° 8	21° 4	23°37	5°56	9°21	6°53	19°56	21°34	9°28	8°55	4°33	10°48	W22
T 23	11 58 26	1°30'25	0♂21	18°29	22°18	24°19	5°49	9°27	6°53	19°R56	21°36	9°22	8°52	4°39	10°51	T 23
F 24	12 2 23	2°29'50	15° 4	17°54	23°32	25° 1	5°41	9°32	6°52	19°56	21°37	9°13	8°49	4°46	10°55	F 24
S 25	12 6 19	3°29'12	29°42	17°26	24°46	25°43	5°33	9°37	6°52	19°56	21°39	9° 1	8°46	4°53	10°59	S 25
S 26	12 10 16	4°28'32	14♂ 7	17° 3	26° 0	26°26	5°25	9°42	6°51	19°56	21°40	8°49	8°43	4°59	11° 2	S 26
M27	12 14 13	5°27'51	28°11	16°46	27°13	27° 8	5°18	9°47	6°50	19°55	21°42	8°38	8°39	5° 6	11° 6	M27
T 28	12 18 9	6°27'07	11♂52	16°35	28°27	27°50	5°10	9°52	6°49	19°55	21°43	8°28	8°36	5°13	11° 9	T 28
W29	12 22 6	7°26'22	25° 6	16°D30	29°41	28°32	5° 2	9°57	6°49	19°55	21°45	8°20	8°33	5°19	11°13	W29
T 30	12 26 2	8°25'34	7♂56	16°30	0♂55	29°14	4°54	10° 2	6°48	19°55	21°46	8°16	8°30	5°26	11°17	T 30
F 31	12 29 59	9°Y24'45	20♂23	16♂36	2♂ 8	29♂56	4♂47	10♂ 7	6♂47	19♂55	21♂48	8♂13	8♂27	5♂33	11♂20	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
W 1	7s59	13s 1	4n 8	0n47	1n55	3s 9	1s17	23s36	0s27	1s54	1n34	18s56	0s29	21s21	0n 7	21s41	1n24	17s24	15s 7	23n 0	23n 5	21s35	3s25	4n59					
T 2	7 37	16 52	3 22	1 17	2 9	2 38	1 16	23 34	0 27	1 51	1 34	18 55	0 29	21 21	0 7	21 41	1 24	17 24	15 7	23 0	23 5	21 34	3 24	4 59					
F 3	7 14	19 51	2 28	1 44	2 23	2 8	1 15	23 32	0 28	1 48	1 34	18 53	0 29	21 21	0 7	21 41	1 24	17 23	15 7	23 0	23 5	21 33	3 22	4 59					
S 4	6 51	21 53	1 28	2 7	2 36	1 37	1 13	23 30	0 29	1 46	1 34	18 52	0 29	21 22	0 7	21 41	1 24	17 22	15 7	23 0	23 6	21 33	3 21	4 59					
S 5	6 28	22 53	0 25	2 25	2 48	1 6	1 12	23 27	0 30	1 43	1 34	18 50	0 30	21 22	0 7	21 41	1 24	17 22	15 7	23 0	23 6	21 32	3 19	4 59					
M 6	6 5	22 51	0s38	2 39	3 0	0 35	1 10	23 24	0 31	1 40	1 35	18 49	0 30	21 22	0 7	21 41	1 24	17 21	15 6	23 0	23 6	21 31	3 18	4 58					
T 7	5 41	21 48	1 39	2 48	3 10	0 4	1 9	23 21	0 32	1 38	1 35	18 47	0 30	21 22	0 7	21 41	1 24	17 20	15 6	23 0	23 6	21 31	3 17	4 58					
W 8	5 18	19 46	2 36	2 53	3 18	0n28	1 7	23 18	0 33	1 35	1 35	18 46	0 30	21 22	0 7	21 41	1 24	17 20	15 6	23 0	23 7	21 30	3 15	4 58					
T 9	4 55	16 53	3 26	2 52	3 26	0 59	1 6	23 15	0 35	1 32	1 35	18 44	0 30	21 22	0 7	21 41	1 24	17 19	15 6	23 1	23 7	21 29	3 14	4 58					
F 10	4 31	13 16	4 8	2 47	3 31	1 30	1 4	23 11	0 36	1 29	1 35	18 43	0 30	21 22	0 7	21 41	1 24	17 18	15 6	23 2	23 7	21 28	3 12	4 58					
S 11	4 8	9 3	4 39	2 38	3 35	2 1	1 2	23 7	0 37	1 26	1 35	18 41	0 30	21 22	0 7	21 41	1 24	17 18	15 6	23 3	23 7	21 27	3 11	4 58					
S 12	3 44	4 25	4 57	2 24	3 37	2 32	1 0	23 3	0 38	1 23	1 35	18 40	0 30	21 22	0 7	21 41	1 24	17 17	15 6	23 4	23 8	21 27	3 9	4 58					
M13	3 21	0n29	5 1	2 6	3 37	3 3	0 59	22 59	0 39	1 21	1 36	18 38	0 30	21 22	0 7	21 41	1 24	17 17	15 6	23 5	23 8	21 26	3 8	4 58					
T 14	2 57	5 26	4 50	1 44	3 35	3 33	0 57	22 54	0 40	1 18	1 36	18 37	0 30	21 22	0 7	21 41	1 24	17 16	15 7	23 6	23 8	21 25	3 7	4 58					
W15	2 34	10 14	4 25	1 20	3 31	4 4	0 55	22 50	0 41	1 15	1 36	18 36	0 31	21 22	0 7	21 41	1 24	17 15	15 7	23 6	23 8	21 24	3 5	4 58					
T 16	2 10	14 38	3 44	0 52	3 25	4 35	0 53	22 45	0 42	1 12	1 36	18 34	0 31	21 22	0 7	21 41	1 24	17 15	15 7	23 7	23 8	21 23	3 4	4 58					
F 17	1 46	18 23	2 51	0 23	3 18	5 6	0 51	22 40	0 43	1 9	1 36	18 33	0 31	21 22	0 7	21 41	1 24	17 14	15 7	23 7	23 9	21 23	3 2	4 58					
S 18	1 22	21 12	1 47	0s 7	3 8	5 36	0 49	22 35	0 44	1 6	1 36	18 31	0 31	21 22	0 7	21 41	1 24	17 14	15 7	23 7	23 9	21 22	3 1	4 58					
S 19	0 59	22 50	0 36	0 38	2 58	6 7	0 46	22 29	0 45	1 2	1 36	18 30	0 31	21 22	0 7	21 41	1 25	17 13	15 7	23 7	23 9	21 21	2 59	4 58					
M20	0 35	23 2	0n38	1 10	2 46	6 37	0 44	22 23	0 46	0 59	1 36	18 29	0 31	21 22	0 7	21 40	1 25	17 13	15 7	23 7	23 9	21 20	2 58	4 58					
T 21	0 11	21 45	1 52	1 41	2 32	7 7	0 42	22 18	0 47	0 56	1 36	18 27	0 31	21 22	0 7	21 40	1 25	17 12	15 7	23 7	23 10	21 19	2 57	4 59					
W22	0n12	19 0	2 59	2 11	2 18	7 37	0 40	22 11	0 48	0 53	1 36	18 26	0 31	21 22	0 7	21 40	1 25	17 11	15 7	23 7	23 10	21 19	2 55	4 59					
T 23	0 36	15 1	3 54	2 40	2 4	8 7	0 37	22 5	0 50	0 50	1 36	18 25	0 31	21 21	0 7	21 40	1 25	17 11	15 7	23 8	23 10	21 18	2 54	4 59					
F 24	1 0	10 6	4 35	3 7	1 49	8 36	0 35	21 59	0 51	0 47	1 36	18 23	0 32	21 21	0 7	21 40	1 25	17 10	15 7	23 9	23 10	21 17	2 52	4 59					
S 25	1 23	4 39	4 57	3 32	1 33	9 6	0 33	21 52	0 52	0 44	1 36	18 22	0 32	21 21	0 7	21 40	1 25	17 10	15 7	23 9	23 10	21 16	2 51	4 59					
S 26	1 47	0s58	4 59	3 56	1 18	9 35	0 30	21 45	0 53	0 41	1 36	18 21	0 32	21 21	0 7	21 40	1 25	17 9	15 7	23 10	23 11	21 15	2 49	4 59					
M27	2 10	6 25	4 43	4 17	1 2	10 4	0 28	21 38	0 54	0 38	1 36	18 20	0 32	21 21	0 7	21 40	1 25	17 9	15 7	23 11	23 11	21 14	2 48	4 59					
T 28	2 34	11 25	4 12	4 35	0 47	10 33	0 25	21 31	0 55	0 35	1 36	18 18	0 32	21 21	0 7	21 40	1 25	17 8	15 7	23 12	23 11	21 13	2 47	4 59					
W29	2 57	15 43	3 27	4 51	0 32	11 1	0 23	21 24	0 56	0 32	1 36	18 17	0 32	21 21	0 7	21 40	1 25	17 8	15 8	23 12	23 11	21 13	2 45	4 59					
T 30	3 21	21 48	2 33	5 5	0 17	11 29	0 20	21 16	0 58	0 29	1 36	18 16	0 32	21 21	0 7	21 40	1 25	17 7	15 8	23 12	23 11	21 12	2 44	4 59					
F 31	3n44	21s34	1n33	5s15	0n 2	11n57	0s17	21s 8	0s59	0s26	1n36	18s15	0s32	21s21	0n 7	21s40	1n25	17s 7	15s 8	23n12	23n12	21s11	2s42	4n59					

ASTRODIENST EPHEMERIS for the year 1815  
geocentric

APRIL 1815

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	12 33 55	10°23'55	2°32	16°47	3°22	0°39	4°R39	10°11	6°R46	19°R54	21°49	8°R12	8°24	5°39	11°24	S 1
S 2	12 37 52	11°23'02	14°29	17° 4	4°36	1°21	4°21	10°16	6°45	19°54	21°51	8°12	8°20	5°46	11°27	S 2
M 3	12 41 48	12°22'08	26°18	17°25	5°49	2° 3	4°24	10°21	6°44	19°54	21°52	8°12	8°17	5°53	11°31	M 3
T 4	12 45 45	13°21'12	8°36	17°51	7° 3	2°45	4°16	10°25	6°43	19°53	21°54	8°10	8°14	5°59	11°34	T 4
W 5	12 49 42	14°20'14	19°57	18°21	8°16	3°27	4° 9	10°29	6°41	19°53	21°55	8° 5	8°11	6° 6	11°37	W 5
T 6	12 53 38	15°19'14	1°57	18°56	9°30	4°10	4° 1	10°34	6°40	19°53	21°56	7°58	8° 8	6°13	11°41	T 6
F 7	12 57 35	16°18'12	14° 7	19°34	10°43	4°52	3°54	10°38	6°39	19°52	21°58	7°49	8° 5	6°19	11°44	F 7
S 8	13 1 31	17°17'08	26°31	20°17	11°56	5°34	3°46	10°42	6°38	19°52	21°59	7°37	8° 1	6°26	11°47	S 8
S 9	13 5 28	18°16'03	9°10	21° 3	13°10	6°16	3°39	10°46	6°36	19°51	22° 1	7°24	7°58	6°33	11°51	S 9
M10	13 9 24	19°14'55	22° 4	21°52	14°23	6°58	3°32	10°50	6°35	19°50	22° 2	7°11	7°55	6°39	11°54	M10
T 11	13 13 21	20°13'46	5°13	22°45	15°36	7°41	3°24	10°54	6°34	19°50	22° 4	6°59	7°52	6°46	11°57	T 11
W12	13 17 17	21°12'34	18°33	23°40	16°49	8°23	3°17	10°58	6°32	19°49	22° 5	6°49	7°49	6°52	12° 1	W12
T 13	13 21 14	22°11'21	2°11	24°39	18° 2	9° 5	3°10	11° 2	6°31	19°49	22° 6	6°42	7°45	6°59	12° 4	T 13
F 14	13 25 11	23°10'05	15°45	25°41	19°16	9°47	3° 3	11° 6	6°29	19°48	22° 8	6°39	7°42	7° 6	12° 7	F 14
S 15	13 29 7	24° 8'47	29°34	26°45	20°29	10°29	2°57	11° 9	6°28	19°47	22° 9	6°37	7°39	7°12	12°10	S 15
S 16	13 33 4	25° 7'27	13°30	27°51	21°42	11°12	2°50	11°13	6°26	19°46	22°10	6°D37	7°36	7°19	12°13	S 16
M17	13 37 0	26° 6'05	27°33	29° 1	22°55	11°54	2°43	11°16	6°24	19°46	22°12	6°R37	7°33	7°26	12°16	M17
T 18	13 40 57	27° 4'40	11°43	0°12	24° 7	12°36	2°37	11°20	6°23	19°45	22°13	6°36	7°30	7°32	12°19	T 18
W19	13 44 53	28° 3'13	25°57	1°26	25°20	13°18	2°30	11°23	6°21	19°44	22°14	6°34	7°26	7°39	12°22	W19
T 20	13 48 50	29° 1'42	10°15	2°42	26°33	14° 0	2°24	11°26	6°19	19°43	22°16	6°28	7°23	7°46	12°25	T 20
F 21	13 52 46	0°8'14	24°32	4° 0	27°46	14°42	2°18	11°29	6°17	19°42	22°17	6°21	7°20	7°52	12°28	F 21
S 22	13 56 43	0°58'39	8°43	5°21	28°59	15°24	2°12	11°32	6°15	19°41	22°18	6°11	7°17	7°59	12°31	S 22
S 23	14 0 40	1°57'03	22°44	6°43	0°11	16° 6	2° 6	11°35	6°13	19°41	22°19	6° 1	7°14	8° 6	12°34	S 23
M24	14 4 36	2°55'26	6°11	8° 8	1°24	16°48	2° 0	11°38	6°12	19°40	22°21	5°50	7°11	8°12	12°36	M24
T 25	14 8 33	3°53'47	19°55	9°34	2°36	17°30	1°54	11°41	6°10	19°39	22°22	5°42	7° 7	8°19	12°39	T 25
W26	14 12 29	4°52'06	3°1	11° 2	3°49	18°12	1°49	11°43	6° 8	19°38	22°23	5°35	7° 4	8°26	12°42	W26
T 27	14 16 26	5°50'23	15°46	12°33	5° 1	18°54	1°43	11°46	6° 6	19°37	22°24	5°31	7° 1	8°32	12°44	T 27
F 28	14 20 22	6°48'39	28°12	14° 5	6°14	19°36	1°38	11°48	6° 4	19°35	22°25	5°29	6°58	8°39	12°47	F 28
S 29	14 24 19	7°46'54	10°32	15°39	7°26	20°18	1°33	11°51	6° 2	19°34	22°27	5°D29	6°55	8°46	12°50	S 29
S 30	14 28 15	8°45'07	22°30	17°15	8°11	21°38	1°28	11°53	5°59	19°33	22°28	5°30	6°51	8°52	12°52	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	4n 7	22s56	0n30	5s24	0s11	12n25	0s15	21s 0	1 s 0	0s23	1n36	18s14	0s32	21s20	0n 7	21s40	1n25	17s 6	15s 8	23n13	23n12	21s10	2s41	4n59
S 2	4 30	23 14	0s33	5 30	0 25	12 52	0 12	20 52	1 1	0 20	1 36	18 13	0 33	21 20	0 7	21 40	1 25	17 6	15 8	23 13	23 12	21 9	2 40	4 59
M 3	4 54	22 27	1 34	5 33	0 38	13 19	0 10	20 44	1 2	0 17	1 36	18 11	0 33	21 20	0 7	21 40	1 25	17 5	15 8	23 13	23 12	21 8	2 38	4 59
T 4	5 17	20 42	2 31	5 34	0 50	13 46	0 7	20 36	1 3	0 14	1 36	18 10	0 33	21 20	0 7	21 40	1 25	17 5	15 8	23 13	23 12	21 7	2 37	4 59
W 5	5 39	18 2	3 22	5 33	1 1	14 13	0 4	20 27	1 5	0 11	1 36	18 9	0 33	21 20	0 7	21 40	1 25	17 5	15 8	23 13	23 13	21 6	2 36	5 0
T 6	6 2	14 35	4 4	5 30	1 12	14 39	0 1	20 18	1 6	0 8	1 36	18 8	0 33	21 19	0 7	21 40	1 25	17 4	15 9	23 13	23 13	21 5	2 34	5 0
F 7	6 25	10 29	4 36	5 24	1 23	15 4	0n 1	20 9	1 7	0 5	1 36	18 7	0 33	21 19	0 7	21 40	1 25	17 4	15 9	23 14	23 13	21 4	2 33	5 0
S 8	6 48	5 54	4 55	5 16	1 33	15 30	0 4	20 0	1 8	0 2	1 36	18 6	0 33	21 19	0 7	21 39	1 25	17 3	15 9	23 15	23 13	21 3	2 31	5 0
S 9	7 10	0 58	5 0	5 7	1 42	15 55	0 7	19 51	1 9	0n 1	1 36	18 5	0 33	21 19	0 7	21 39	1 25	17 3	15 9	23 15	23 13	21 3	2 30	5 0
M10	7 33	4n 6	4 51	4 55	1 50	16 19	0 10	19 41	1 11	0 4	1 36	18 4	0 34	21 19	0 7	21 39	1 25	17 2	15 9	23 16	23 14	21 2	2 29	5 0
T 11	7 55	9 6	4 25	4 41	1 58	16 44	0 12	19 32	1 12	0 7	1 36	18 3	0 34	21 18	0 7	21 39	1 25	17 2	15 9	23 17	23 14	21 1	2 27	5 0
W12	8 17	13 45	3 45	4 26	2 5	17 7	0 15	19 22	1 13	0 9	1 36	18 2	0 34	21 18	0 7	21 39	1 25	17 2	15 10	23 17	23 14	21 0	2 26	5 0
T 13	8 39	17 47	2 52	4 9	2 12	17 31	0 18	19 12	1 14	0 12	1 36	18 1	0 34	21 18	0 7	21 39	1 26	17 1	15 10	23 18	23 14	20 59	2 25	5 0
F 14	9 1	20 54	1 48	3 50	2 18	17 54	0 21	19 2	1 16	0 15	1 35	18 0	0 34	21 18	0 7	21 39	1 26	17 1	15 10	23 18	23 14	20 58	2 24	5 1
S 15	9 22	22 50	0 37	3 29	2 23	18 16	0 24	18 52	1 17	0 17	1 35	18 0	0 34	21 17	0 7	21 39	1 26	17 1	15 10	23 18	23 15	20 57	2 22	5 1
S 16	9 44	23 23	0n37	3 7	2 28	18 38	0 27	18 41	1 18	0 20	1 35	17 59	0 34	21 17	0 7	21 39	1 26	17 0	15 10	23 18	23 15	20 56	2 21	5 1
M17	10 5	22 27	1 49	2 44	2 32	18 59	0 29	18 31	1 19	0 22	1 35	17 58	0 34	21 17	0 7	21 39	1 26	17 0	15 11	23 18	23 15	20 55	2 20	5 1
T 18	10 27	20 6	2 55	2 18	2 36	19 20	0 32	18 20	1 21	0 25	1 35	17 57	0 35	21 16	0 7	21 39	1 26	16 59	15 11	23 18	23 15	20 54	2 18	5 1
W19	10 48	16 30	3 51	1 52	2 39	19 41	0 35	18 9	1 22	0 27	1 35	17 56	0 35	21 16	0 7	21 38	1 26	16 59	15 11	23 18	23 15	20 53	2 17	5 1
T 20	11 8	11 56	4 32	1 24	2 42	20 1	0 38	17 58	1 23	0 30	1 35	17 56	0 35	21 16	0 7	21 38	1 26	16 59	15 11	23 18	23 15	20 52	2 16	5 1
F 21	11 29	6 43	4 57	0 54	2 43	20 20	0 41	17 47	1 25	0 32	1 35	17 55	0 35	21 16	0 7	21 38	1 26	16 59	15 11	23 19	23 16	20 51	2 15	5 2
S 22	11 50	1 11	5 3	0 24	2 45	20 39	0 43	17 36	1 26	0 34	1 34	17 54	0 35	21 15	0 7	21 38	1 26	16 58	15 12	23 19	23 16	20 50	2 13	5 2
S 23	12 10	4s21	4 50	0n 8	2 46	20 58	0 46	17 25	1 27	0 36	1 34	17 53	0 35	21 15	0 7	21 38	1 26	16 58	15 12	23 20	23 16	20 49	2 12	5 2
M24	12 30	9 35	4 21	0 41	2 46	21 15	0 49	17 13	1 28	0 39	1 34	17 53	0 35	21 15	0 7	21 38	1 26	16 58	15 12	23 20	23 16	20 48	2 11	5 2
T 25	12 50	14 14	3 38	1 16	2 45	21 33	0 52	17 2	1 30	0 41	1 34	17 52	0 36	21 14	0 7	21 38	1 26	16 57	15 12	23 20	23 16	20 47	2 10	5 2
W26	13 9	18 6	2 44	1 51	2 44	21 49	0 54	16 50	1 31	0 43	1 34	17 52	0 36	21 14	0 7	21 38	1 26	16 57	15 13	23 21	23 16	20 46	2 9	5 2
T 27	13 29	20 59	1 43	2 28	2 43	22 5	0 57	16 38	1 32	0 45	1 34	17 51	0 36	21 14	0 7	21 38	1 26	16 57	15 13	23 21	23 17	20 45	2 7	5 2
F 28	13 48	22 48	0 39	3 5	2 41	22 21	1 0	16 26	1 34	0 47	1 33	17 50	0 36	21 13	0 7	21 38	1 26	16 57	15 13	23 21	23 17	20 44	2 6	5 3
S 29	14 7	23 30	0s26	3 44	2 38	22 36	1 2	16 14	1 35	0 49	1 33	17 50	0 36	21 13	0 7	21 37	1 26	16 56	15 13	23 21	23 17	20 43	2 5	5 3
S 30	14n26	23s 5	1s29	4n24	2s35	22n50	1n 5	16s 2	1s36	0n50	1n33	17s49	0s36	21s13	0n 7	21s37	1n26	16s56	15s14	23n21	23n17	20s42	2s 4	5n 3

# ASTRODIENST EPHEMERIS for the year 1815

## geocentric

MAY 1815

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 32 12	9♂43'18	4♂11	18♂53	9♂50	21♂42	1°R23	11♂55	5°R57	19°R32	22♂29	5°R30	6♂48	8♂59	12♂55	M 1
T 2	14 36 9	10°41'28	16° 1	20°33	11° 3	22°24	1♂18	11°57	5♂55	19♂31	22°30	5♂30	6°45	9° 6	12°57	T 2
W 3	14 40 5	11°39'36	27°54	22°14	12°15	23° 6	1°14	11°59	5°53	19°30	22°31	5°29	6°42	9°12	13° 0	W 3
T 4	14 44 2	12°37'43	9♂56	23°58	13°27	23°48	1°10	12° 1	5°51	19°29	22°32	5°25	6°39	9°19	13° 2	T 4
F 5	14 47 58	13°35'48	22°11	25°43	14°39	24°30	1° 5	12° 3	5°49	19°27	22°33	5°20	6°36	9°26	13° 4	F 5
S 6	14 51 55	14°33'52	4♂43	27°30	15°51	25°12	1° 1	12° 5	5°46	19°26	22°34	5°12	6°32	9°32	13° 7	S 6
S 7	14 55 51	15°31'54	17°33	29°19	17° 3	25°54	0°57	12° 7	5°44	19°25	22°35	5° 4	6°29	9°39	13° 9	S 7
M 8	14 59 48	16°29'55	0♂42	1♂10	18°15	26°35	0°54	12° 8	5°42	19°24	22°36	4°55	6°26	9°46	13°11	M 8
T 9	15 3 44	17°27'55	14° 9	3° 3	19°26	27°17	0°50	12°10	5°40	19°22	22°37	4°48	6°23	9°52	13°13	T 9
W10	15 7 41	18°25'53	27°52	4°58	20°38	27°59	0°47	12°11	5°37	19°21	22°38	4°41	6°20	9°59	13°15	W10
T 11	15 11 37	19°23'49	11♂49	6°55	21°50	28°40	0°44	12°12	5°35	19°20	22°39	4°37	6°16	10° 6	13°17	T 11
F 12	15 15 34	20°21'44	25°54	8°53	23° 1	29°22	0°41	12°13	5°33	19°18	22°40	4°35	6°13	10°12	13°19	F 12
S 13	15 19 31	21°19'38	10♂5	10°53	24°13	0♂4	0°38	12°14	5°30	19°17	22°41	4°D35	6°10	10°19	13°21	S 13
S 14	15 23 27	22°17'29	24°19	12°55	25°24	0°45	0°35	12°15	5°28	19°16	22°42	4°36	6° 7	10°26	13°23	S 14
M15	15 27 24	23°15'19	8♂32	14°59	26°36	1°27	0°32	12°16	5°25	19°14	22°43	4°37	6° 4	10°32	13°25	M15
T 16	15 31 20	24°13'07	22°44	17° 4	27°47	2° 8	0°30	12°17	5°23	19°13	22°44	4°R38	6° 1	10°39	13°27	T 16
W17	15 35 17	25°10'53	6♂51	19°11	28°58	2°49	0°28	12°18	5°21	19°11	22°45	4°37	5°57	10°46	13°28	W17
T 18	15 39 13	26° 8'37	20°53	21°19	0♂10	3°31	0°26	12°18	5°18	19°10	22°45	4°35	5°54	10°53	13°30	T 18
F 19	15 43 10	27° 6'20	4♂48	23°28	1°21	4°12	0°24	12°19	5°16	19° 8	22°46	4°31	5°51	10°59	13°32	F 19
S 20	15 47 7	28° 4'01	18°33	25°38	2°32	4°53	0°23	12°19	5°13	19° 7	22°47	4°26	5°48	11° 6	13°33	S 20
S 21	15 51 3	29° 1'41	2♂6	27°49	3°43	5°34	0°21	12°19	5°11	19° 5	22°48	4°21	5°45	11°13	13°35	S 21
M22	15 55 0	29°59'19	15°26	0♂1	4°54	6°15	0°20	12°19	5° 8	19° 4	22°49	4°15	5°42	11°19	13°36	M22
T 23	15 58 56	0♂56'56	28°31	2°13	6° 5	6°57	0°19	12°R20	5° 6	19° 2	22°49	4°10	5°38	11°26	13°38	T 23
W24	16 2 53	1°54'32	11♂20	4°24	7°15	7°38	0°18	12°20	5° 3	19° 1	22°50	4° 7	5°35	11°33	13°39	W24
T 25	16 6 49	2°52'06	23°53	6°36	8°26	8°19	0°17	12°19	5° 1	18°59	22°51	4° 5	5°32	11°39	13°41	T 25
F 26	16 10 46	3°49'40	6♂12	8°47	9°37	8°59	0°17	12°19	4°58	18°58	22°51	4°D 5	5°29	11°46	13°42	F 26
S 27	16 14 42	4°47'12	18°18	10°57	10°47	9°40	0°16	12°19	4°56	18°56	22°52	4° 5	5°26	11°53	13°43	S 27
S 28	16 18 39	5°44'44	0♂15	13° 6	11°58	10°21	0°D16	12°18	4°53	18°55	22°53	4° 7	5°22	11°59	13°44	S 28
M29	16 22 36	6°42'15	12° 6	15°14	13° 8	11° 2	0°16	12°18	4°51	18°53	22°53	4° 9	5°19	12° 6	13°45	M29
T 30	16 26 32	7°39'44	23°57	17°20	14°18	11°42	0°16	12°17	4°48	18°52	22°54	4°10	5°16	12°13	13°47	T 30
W31	16 30 29	8♂37'13	5♂51	19♂24	15♂28	12♂23	0♂17	12♂17	4♂46	18♂50	22♂54	4°R11	5♂13	12♂19	13♂48	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	14n44	21s37	2s28	5n 4	2s31	23n 4	1n 8	15s50	1s38	0n52	1n33	17s49	0s36	21s12	0n 7	21s37
T 2	15 3	19 14	3 20	5 46	2 27	23 17	1 10	15 37	1 39	0 54	1 33	17 48	0 36	21 12	0 7	21 37
W 3	15 21	16 1	4 4	6 28	2 22	23 29	1 13	15 25	1 40	0 55	1 33	17 48	0 37	21 11	0 7	21 37
T 4	15 39	12 8	4 37	7 11	2 17	23 41	1 15	15 12	1 42	0 57	1 32	17 48	0 37	21 11	0 7	21 37
F 5	15 56	7 41	4 59	7 55	2 11	23 52	1 18	14 59	1 43	0 59	1 32	17 47	0 37	21 11	0 7	21 37
S 6	16 13	2 49	5 7	8 39	2 5	24 2	1 20	14 46	1 44	1 0	1 32	17 47	0 37	21 10	0 7	21 37
S 7	16 30	2n16	5 0	9 24	1 58	24 12	1 22	14 34	1 46	1 1	1 32	17 47	0 37	21 10	0 7	21 37
M 8	16 47	7 24	4 37	10 9	1 51	24 21	1 25	14 21	1 47	1 3	1 31	17 46	0 37	21 10	0 7	21 36
T 9	17 4	12 18	3 58	10 55	1 44	24 29	1 27	14 8	1 49	1 4	1 31	17 46	0 37	21 9	0 7	21 36
W10	17 20	16 42	3 5	11 41	1 35	24 37	1 29	13 54	1 50	1 5	1 31	17 46	0 38	21 9	0 7	21 36
T 11	17 36	20 15	2 0	12 28	1 27	24 44	1 31	13 41	1 51	1 6	1 31	17 45	0 38	21 8	0 7	21 36
F 12	17 51	22 37	0 47	13 15	1 18	24 50	1 34	13 28	1 53	1 7	1 31	17 45	0 38	21 8	0 7	21 36
S 13	18 7	23 34	0n30	14 1	1 9	24 56	1 36	13 14	1 54	1 8	1 30	17 45	0 38	21 8	0 7	21 36
S 14	18 22	23 0	1 45	14 48	0 59	25 1	1 38	13 1	1 55	1 9	1 30	17 45	0 38	21 7	0 7	21 36
M15	18 36	20 56	2 54	15 34	0 49	25 5	1 40	12 47	1 57	1 10	1 30	17 45	0 38	21 7	0 7	21 36
T 16	18 51	17 36	3 52	16 20	0 39	25 8	1 42	12 34	1 58	1 10	1 30	17 45	0 38	21 6	0 7	21 35
W17	19 5	13 15	4 35	17 5	0 29	25 11	1 44	12 20	2 0	1 11	1 29	17 45	0 39	21 6	0 7	21 35
T 18	19 18	8 14	5 2	17 49	0 18	25 13	1 45	12 6	2 1	1 11	1 29	17 45	0 39	21 5	0 7	21 35
F 19	19 32	2 51	5 11	18 32	0 8	25 14	1 47	11 53	2 2	1 12	1 29	17 45	0 39	21 5	0 7	21 35
S 20	19 45	2s38	5 1	19 14	0n 3	25 15	1 49	11 39	2 4	1 12	1 29	17 45	0 39	21 5	0 7	21 35
S 21	19 58	7 54	4 35	19 55	0 13	25 15	1 50	11 25	2 5	1 13	1 28	17 45	0 39	21 4	0 7	21 35
M22	20 10	12 44	3 54	20 34	0 24	25 14	1 52	11 11	2 7	1 13	1 28	17 45	0 39	21 4	0 7	21 35
T 23	20 22	16 53	3 2	21 11	0 34	25 13	1 53	10 57	2 8	1 13	1 28	17 45	0 39	21 3	0 7	21 34
W24	20 34	20 10	2 1	21 46	0 44	25 11	1 55	10 43	2 9	1 13	1 28	17 45	0 40	21 3	0 7	21 34
T 25	20 45	22 24	0 56	22 19	0 54	25 8	1 56	10 29	2 11	1 13	1 28	17 45	0 40	21 2	0 7	21 34
F 26	20 56	23 31	0s12	22 49	1 3	25 4	1 57	10 15	2 12	1 13	1 27	17 46	0 40	21 2	0 7	21 34
S 27	21 7	23 29	1 17	23 17	1 12	25 0	1 59	10 1	2 14	1 13	1 27	17 46	0 40	21 2	0 7	21 34
S 28	21 17	22 23	2 19	23 43	1 20	24 55	2 0	9 46	2 15	1 13	1 27	17 46	0 40	21 1	0 7	21 34
M29	21 27	20 17	3 14	24 6	1 27	24 49	2 1	9 32	2 16	1 13	1 27	17 46	0 40	21 1	0 7	21 34
T 30	21 37	17 20	4 1	24 26	1 34	24 43	2 2	9 18	2 18	1 13	1 26	17 47	0 41	21 0	0 7	21 34
W31	21n46	13s40	4s37	24n43	1n41	24n36	2n 3	9s 4	2s19	1n12	1n26	17s47	0s41	21s 0	0n 7	21s33

Julian Day Number = 2384094.5, Delta T = 16.20 sec  
 Ecliptic obliquity = 23°27'47, Nutation = - 0°00'18, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 22°09'42, Lahiri = 21°16'43



# ASTRODIENST EPHEMERIS for the year 1815

## geocentric

JUNE 1815

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 34 25	9II34'42	17K53	21II27	16S38	13K 3	0Δ17	12°R16	4°R43	18°R48	22K55	4°R11	5S10	12S26	13K48	T 1
F 2	16 38 22	10°32'09	0Y 9	23°27	17°49	13°44	0°18	12S15	4K41	18K47	22°55	4S 9	5° 7	12°33	13°49	F 2
S 3	16 42 18	11°29'36	12°42	25°25	18°58	14°24	0°19	12°14	4°38	18°45	22°56	4° 7	5° 3	12°39	13°50	S 3
S 4	16 46 15	12°27'02	25°36	27°21	20° 8	15° 4	0°20	12°13	4°36	18°44	22°56	4° 4	5° 0	12°46	13°51	S 4
M 5	16 50 11	13°24'27	8S52	29°15	21°18	15°45	0°21	12°12	4°34	18°42	22°57	4° 1	4°57	12°53	13°52	M 5
T 6	16 54 8	14°21'52	22°31	1S 6	22°28	16°25	0°23	12°11	4°31	18°40	22°57	3°58	4°54	12°59	13°52	T 6
W 7	16 58 5	15°19'16	6II31	2°55	23°37	17° 5	0°24	12° 9	4°29	18°39	22°58	3°56	4°51	13° 6	13°53	W 7
T 8	17 2 1	16°16'40	20°49	4°41	24°47	17°44	0°26	12° 8	4°26	18°37	22°58	3°55	4°48	13°13	13°54	T 8
F 9	17 5 58	17°14'02	5S20	6°25	25°56	18°24	0°28	12° 6	4°24	18°36	22°58	3°D55	4°44	13°19	13°54	F 9
S 10	17 9 54	18°11'24	19°57	8° 6	27° 6	19° 4	0°30	12° 5	4°21	18°34	22°59	3°55	4°41	13°26	13°55	S 10
S 11	17 13 51	19° 8'45	4S35	9°44	28°15	19°43	0°33	12° 3	4°19	18°32	22°59	3°56	4°38	13°33	13°55	S 11
M12	17 17 47	20° 6'05	19° 8	11°20	29°24	20°23	0°35	12° 1	4°17	18°31	22°59	3°57	4°35	13°39	13°55	M12
T 13	17 21 44	21° 3'24	3II32	12°53	0S33	21° 2	0°38	11°59	4°14	18°29	23° 0	3°58	4°32	13°46	13°56	T 13
W14	17 25 40	22° 0'42	17°43	14°24	1°42	21°41	0°41	11°57	4°12	18°27	23° 0	3°R58	4°28	13°53	13°56	W14
T 15	17 29 37	22°57'59	1Δ40	15°52	2°51	22°20	0°44	11°55	4°10	18°26	23° 0	3°58	4°25	13°59	13°56	T 15
F 16	17 33 34	23°55'15	15°22	17°17	3°59	22°59	0°47	11°53	4° 7	18°24	23° 0	3°58	4°22	14° 6	13°56	F 16
S 17	17 37 30	24°52'30	28°48	18°40	5° 8	23°38	0°50	11°51	4° 5	18°23	23° 0	3°57	4°19	14°13	13°56	S 17
S 18	17 41 27	25°49'45	12II 0	19°59	6°16	24°17	0°54	11°48	4° 3	18°21	23° 0	3°56	4°16	14°19	13°R56	S 18
M19	17 45 23	26°46'59	24°56	21°16	7°24	24°56	0°57	11°46	4° 1	18°19	23° 1	3°55	4°13	14°26	13°56	M19
T 20	17 49 20	27°44'12	7K39	22°30	8°33	25°34	1° 1	11°43	3°58	18°18	23° 1	3°54	4° 9	14°33	13°56	T 20
W21	17 53 16	28°41'25	20° 9	23°42	9°41	26°12	1° 5	11°41	3°56	18°16	23° 1	3°54	4° 6	14°39	13°56	W21
T 22	17 57 13	29°38'37	2S27	24°50	10°49	26°51	1° 9	11°38	3°54	18°15	23° 1	3°D54	4° 3	14°46	13°56	T 22
F 23	18 1 9	0S35'50	14°36	25°55	11°56	27°29	1°14	11°35	3°52	18°13	23° 1	3°54	4° 0	14°53	13°55	F 23
S 24	18 5 6	1°33'02	26°35	26°57	13° 4	28° 7	1°18	11°33	3°50	18°12	23°R 1	3°54	3°57	14°59	13°55	S 24
S 25	18 9 3	2°30'13	8S29	27°56	14°11	28°44	1°23	11°30	3°48	18°10	23° 1	3°54	3°54	15° 6	13°55	S 25
M26	18 12 59	3°27'25	20°19	28°51	15°19	29°22	1°28	11°27	3°46	18° 8	23° 1	3°R54	3°50	15°13	13°54	M26
T 27	18 16 56	4°24'37	2K10	29°43	16°26	29°59	1°33	11°24	3°44	18° 7	23° 1	3°54	3°47	15°20	13°54	T 27
W28	18 20 52	5°21'48	14° 4	0S32	17°33	0Y37	1°38	11°21	3°42	18° 5	23° 1	3°54	3°44	15°26	13°53	W28
T 29	18 24 49	6°19'00	26° 6	1°17	18°40	1°14	1°43	11°17	3°40	18° 4	23° 1	3°54	3°41	15°33	13°53	T 29
F 30	18 28 45	7S16'12	8Y21	1S58	19S47	1Y51	1Δ48	11S14	3K38	18K 2	23K 0	3°D54	3S38	15S40	13K52	F 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
T 1	21n55	9s25	5s 2	24n57	1n46	24n28	2n 3	8s50	2s21	1n12	1n26	17s47	0s41	20s59	0n 7	21s33	1n26	16s55	15s24	23n24	23n22	20s 5	1s36	5n10	
F 2	22 3	4 44	5 14	25 9	1 51	24 20	2 4	8 35	2 22	1 11	1 26	17 48	0 41	20 59	0 7	21 33	1 26	16 55	15 24	23 24	23 22	20 4	1 36	5 10	
S 3	22 11	0n15	5 11	25 19	1 56	24 10	2 5	8 21	2 23	1 11	1 25	17 48	0 41	20 58	0 7	21 33	1 26	16 55	15 25	23 24	23 22	20 3	1 35	5 10	
S 4	22 19	5 21	4 53	25 25	1 59	24 1	2 5	8 7	2 25	1 10	1 25	17 49	0 41	20 58	0 7	21 33	1 26	16 55	15 25	23 24	23 22	20 1	1 35	5 11	
M 5	22 26	10 23	4 19	25 29	2 2	23 50	2 6	7 52	2 26	1 9	1 25	17 49	0 41	20 58	0 7	21 33	1 26	16 55	15 25	23 24	23 22	20 0	1 34	5 11	
T 6	22 33	15 3	3 29	25 31	2 4	23 40	2 6	7 38	2 28	1 8	1 24	17 50	0 42	20 57	0 7	21 33	1 26	16 56	15 26	23 24	23 22	19 59	1 34	5 11	
W 7	22 39	19 2	2 26	25 31	2 5	23 28	2 6	7 24	2 29	1 8	1 24	17 50	0 42	20 57	0 7	21 32	1 26	16 56	15 26	23 24	23 22	19 57	1 33	5 11	
T 8	22 45	21 57	1 12	25 28	2 5	23 16	2 6	7 9	2 30	1 7	1 24	17 51	0 42	20 56	0 7	21 32	1 26	16 56	15 26	23 24	23 23	19 56	1 33	5 12	
F 9	22 51	23 29	0n 8	25 23	2 5	23 3	2 6	6 55	2 32	1 6	1 24	17 51	0 42	20 56	0 7	21 32	1 26	16 56	15 27	23 24	23 23	19 55	1 32	5 12	
S 10	22 56	23 25	1 28	25 16	2 4	22 50	2 6	6 41	2 33	1 4	1 23	17 52	0 42	20 55	0 7	21 32	1 26	16 56	15 27	23 24	23 23	19 54	1 32	5 12	
S 11	23 1	21 45	2 42	25 8	2 2	22 36	2 6	6 26	2 35	1 3	1 23	17 52	0 42	20 55	0 7	21 32	1 26	16 56	15 28	23 24	23 23	19 52	1 31	5 12	
M12	23 6	18 39	3 45	24 58	1 59	22 21	2 6	6 12	2 36	1 2	1 23	17 53	0 42	20 55	0 7	21 32	1 26	16 57	15 28	23 24	23 23	19 51	1 31	5 13	
T 13	23 10	14 28	4 33	24 46	1 56	22 6	2 6	5 58	2 37	1 1	1 23	17 54	0 43	20 54	0 7	21 32	1 26	16 57	15 28	23 24	23 23	19 50	1 31	5 13	
W14	23 13	9 31	5 4	24 32	1 52	21 50	2 5	5 44	2 39	0 59	1 22	17 54	0 43	20 54	0 7	21 32	1 26	16 57	15 29	23 24	23 23	19 49	1 30	5 13	
T 15	23 17	4 10	5 16	24 18	1 47	21 34	2 5	5 30	2 40	0 58	1 22	17 55	0 43	20 53	0 7	21 31	1 26	16 57	15 29	23 24	23 23	19 47	1 30	5 13	
F 16	23 19	1s17	5 10	24 2	1 42	21 17	2 4	5 15	2 41	0 57	1 22	17 56	0 43	20 53	0 7	21 31	1 26	16 58	15 29	23 24	23 23	19 46	1 30	5 14	
S 17	23 22	6 35	4 47	23 45	1 36	21 0	2 3	5 1	2 43	0 55	1 22	17 57	0 43	20 52	0 7	21 31	1 26	16 58	15 30	23 24	23 24	19 45	1 30	5 14	
S 18	23 24	11 29	4 10	23 27	1 29	20 42	2 2	4 47	2 44	0 53	1 21	17 57	0 43	20 52	0 7	21 31	1 26	16 58	15 30	23 24	23 24	19 43	1 29	5 14	
M19	23 25	15 47	3 20	23 8	1 22	20 24	2 1	4 33	2 46	0 52	1 21	17 58	0 43	20 52	0 7	21 31	1 26	16 59	15 31	23 24	23 24	19 42	1 29	5 14	
T 20	23 27	19 18	2 20	22 48	1 14	20 5	2 0	4 19	2 47	0 50	1 21	17 59	0 43	20 51	0 7	21 31	1 26	16 59	15 31	23 24	23 24	19 41	1 29	5 15	
W21	23 27	21 50	1 16	22 27	1 5	19 45	1 59	4 5	2 48	0 48	1 21	18 0	0 44	20 51	0 7	21 31	1 26	16 59	15 31	23 24	23 24	19 39	1 29	5 15	
T 22	23 28	23 18	0 8	22 6	0 56	19 26	1 58	3 51	2 50	0 46	1 21	18 1	0 44	20 50	0 7	21 31	1 26	16 59	15 32	23 24	23 24	19 38	1 29	5 15	
F 23	23 28	23 38	0s59	21 45	0 46	19 5	1 56	3 37	2 51	0 44	1 20	18 2	0 44	20 50	0 7	21 30	1 26	17 0	15 32	23 24	23 24	19 37	1 29	5 15	
S 24	23 27	22 52	2 3	21 23	0 36	18 45	1 55	3 23	2 52	0 42	1 20	18 3	0 44	20 50	0 7	21 30	1 26	17 0	15 32	23 24	23 24	19 35	1 29	5 16	
S 25	23 26	21 4	3 0	21 0	0 25	18 24	1 53	3 10	2 54	0 40	1 20	18 4	0 44	20 49	0 7	21 30	1 26	17 0	15 33	23 24	23 24	19 34	1 28	5 16	
M26	23 25	18 22	3 50	20 38	0 14	18 2	1 52	2 56	2 55	0 38	1 20	18 4	0 44	20 49	0 7	21 30	1 26	17 1	15 33	23 24	23 24	19 32	1 28	5 16	
T 27	23 23	14 55	4 30	20 15	0 2	17 40	1 50	2 42	2 56	0 36	1 19	18 5	0 44	20 49	0 7	21 30	1 26	17 1	15 34	23 24	23 25	19 31	1 28	5 16	
W28	23 21	10 52	4 59	19 53	0s11	17 18	1 48	2 29	2 58	0 34	1 19	18 6	0 45	20 48	0 7	21 30	1 26	17 2	15 34	23 24	23 25	19 30	1 28	5 16	
T 29	23 19	6 21	5 14	19 31	0 24	16 55	1 46	2 15	2 59	0 31	1 19	18 7	0 45	20 48	0 7	21 30	1 26	17 2	15 34	23 24	23 25	19 28	1 28	5 17	
F 30	23n16	1s32	5s16	19n 9	0s37	16n32	1n44	2s 2	3s 0	0n29	1n19	18s 8	0s45	20s47	0n 7	21s30	1n26	17s 2	15s35	23n24	23n25	19s27	1s28	5n17	

ASTRODIENST EPHEMERIS for the year 1815  
geocentric

JULY 1815

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	18 32 42	8♌13'24	20♋51	2♊35	20♌53	2♋27	1♉54	11°R11	3°R36	18°R 1	23°R 0	3♌54	3♌34	15♌46	13°R51	S 1
S 2	18 36 38	9°10'36	3♋43	3° 9	22° 0	3° 4	1°59	11♌ 7	3♌34	17♌59	23♋ 0	3°54	3°31	15°53	13♋51	S 2
M 3	18 40 35	10° 7'48	16°58	3°38	23° 6	3°40	2° 5	11° 4	3°32	17°58	23° 0	3°55	3°28	16° 0	13°50	M 3
T 4	18 44 32	11° 5'01	0♈39	4° 3	24°12	4°17	2°11	11° 0	3°30	17°56	23° 0	3°55	3°25	16° 6	13°49	T 4
W 5	18 48 28	12° 2'14	14°45	4°24	25°18	4°53	2°17	10°57	3°29	17°55	22°59	3°56	3°22	16°13	13°48	W 5
T 6	18 52 25	12°59'28	29°14	4°40	26°24	5°28	2°23	10°53	3°27	17°53	22°59	3°R56	3°19	16°20	13°47	T 6
F 7	18 56 21	13°56'41	14♌ 1	4°51	27°30	6° 4	2°30	10°50	3°25	17°52	22°59	3°56	3°15	16°26	13°46	F 7
S 8	19 0 18	14°53'55	29° 0	4°58	28°35	6°39	2°36	10°46	3°24	17°51	22°59	3°56	3°12	16°33	13°45	S 8
S 9	19 4 14	15°51'09	14♌ 1	5°R 0	29°40	7°14	2°43	10°42	3°22	17°49	22°58	3°54	3° 9	16°40	13°44	S 9
M10	19 8 11	16°48'27	28°57	4°58	0♈45	7°49	2°50	10°38	3°20	17°48	22°58	3°53	3° 6	16°46	13°42	M10
T 11	19 12 8	17°45'36	13♋39	4°51	1°50	8°24	2°57	10°34	3°19	17°47	22°58	3°52	3° 3	16°53	13°41	T 11
W12	19 16 4	18°42'50	28° 2	4°38	2°55	8°58	3° 4	10°30	3°17	17°45	22°57	3°50	3° 0	17° 0	13°40	W12
T 13	19 20 1	19°40'04	12♉ 4	4°22	3°59	9°32	3°11	10°26	3°16	17°44	22°57	3°49	2°56	17° 6	13°39	T 13
F 14	19 23 57	20°37'17	25°43	4° 1	5° 3	10° 6	3°18	10°22	3°14	17°43	22°56	3°D49	2°53	17°13	13°37	F 14
S 15	19 27 54	21°34'31	9♌ 0	3°35	6° 7	10°40	3°26	10°18	3°13	17°41	22°56	3°50	2°50	17°20	13°36	S 15
S 16	19 31 50	22°31'45	21°58	3° 6	7°11	11°13	3°33	10°14	3°12	17°40	22°55	3°51	2°47	17°26	13°34	S 16
M17	19 35 47	23°28'59	4♋38	2°33	8°15	11°46	3°41	10°10	3°10	17°39	22°55	3°53	2°44	17°33	13°33	M17
T 18	19 39 43	24°26'14	17° 3	1°58	9°18	12°19	3°49	10° 6	3° 9	17°38	22°54	3°54	2°40	17°40	13°31	T 18
W19	19 43 40	25°23'29	29°18	1°19	10°21	12°52	3°57	10° 2	3° 8	17°36	22°54	3°R55	2°37	17°47	13°30	W19
T 20	19 47 37	26°20'44	11♌23	0°39	11°23	13°24	4° 5	9°57	3° 7	17°35	22°53	3°55	2°34	17°53	13°28	T 20
F 21	19 51 33	27°18'00	23°21	29♌57	12°26	13°56	4°13	9°53	3° 6	17°34	22°53	3°53	2°31	18° 0	13°26	F 21
S 22	19 55 30	28°15'16	5♌15	29°15	13°28	14°28	4°21	9°49	3° 5	17°33	22°52	3°51	2°28	18° 7	13°24	S 22
S 23	19 59 26	29°12'33	17° 6	28°33	14°30	14°59	4°30	9°44	3° 4	17°32	22°51	3°47	2°25	18°13	13°23	S 23
M24	20 3 23	0♈9'51	28°56	27°52	15°32	15°30	4°38	9°40	3° 3	17°31	22°51	3°43	2°21	18°20	13°21	M24
T 25	20 7 19	1° 7'09	10♋48	27°12	16°33	16° 1	4°47	9°36	3° 2	17°30	22°50	3°39	2°18	18°27	13°19	T 25
W26	20 11 16	2° 4'28	22°44	26°35	17°34	16°31	4°55	9°31	3° 1	17°29	22°49	3°34	2°15	18°33	13°17	W26
T 27	20 15 12	3° 1'48	4♋47	26° 1	18°35	17° 1	5° 4	9°27	3° 0	17°28	22°49	3°31	2°12	18°40	13°15	T 27
F 28	20 19 9	3°59'10	17° 1	25°30	19°35	17°31	5°13	9°22	2°59	17°27	22°48	3°28	2° 9	18°47	13°13	F 28
S 29	20 23 6	4°56'32	29°30	25° 4	20°35	18° 1	5°22	9°18	2°58	17°26	22°47	3°D27	2° 6	18°53	13°11	S 29
S 30	20 27 2	5°53'55	12♋17	24°43	21°35	18°30	5°31	9°13	2°58	17°25	22°47	3°27	2° 2	19° 0	13° 9	S 30
M31	20 30 59	6♌51'20	25♌26	24♌27	22♋34	18°Y58	5♉41	9♌ 9	2♋57	17♌24	22♋46	3♌28	1♌59	19♌ 7	13♋ 7	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	23n12	3n27	5s 4	18n47	0s51	16n 9	1n41	1s48	3s 2	0n27	1n18	18s 9	0s45	20s47	0n 7	21s30	1n26	17s 3	15s35	23n24	23n25	19s26	1s28	5n17	
S 2	23 9	8 27	4 36	18 26	1 5	15 45	1 39	1 35	3 3	0 24	1 18	18 11	0 45	20 47	0 7	21 29	1 26	17 3	15 35	23 24	23 25	19 24	1 29	5 17	
M 3	23 5	13 12	3 52	18 5	1 19	15 21	1 36	1 22	3 4	0 22	1 18	18 12	0 45	20 46	0 7	21 29	1 26	17 4	15 36	23 24	23 25	19 23	1 29	5 18	
T 4	23 0	17 28	2 54	17 45	1 34	14 56	1 34	1 8	3 6	0 19	1 18	18 13	0 45	20 46	0 7	21 29	1 26	17 4	15 36	23 24	23 25	19 21	1 29	5 18	
W 5	22 55	20 52	1 44	17 26	1 48	14 32	1 31	0 55	3 7	0 16	1 17	18 14	0 45	20 46	0 7	21 29	1 26	17 4	15 36	23 24	23 25	19 20	1 29	5 18	
T 6	22 50	23 2	0 26	17 7	2 3	14 6	1 28	0 42	3 8	0 14	1 17	18 15	0 46	20 46	0 7	21 29	1 26	17 5	15 37	23 24	23 25	19 19	1 29	5 18	
F 7	22 44	23 39	0n56	16 50	2 18	13 41	1 25	0 29	3 10	0 11	1 17	18 16	0 46	20 45	0 6	21 29	1 26	17 5	15 37	23 24	23 25	19 17	1 29	5 18	
S 8	22 38	22 34	2 14	16 34	2 33	13 16	1 22	0 17	3 11	0 8	1 17	18 17	0 46	20 45	0 6	21 29	1 26	17 6	15 38	23 24	23 25	19 16	1 30	5 19	
S 9	22 31	19 54	3 24	16 19	2 48	12 50	1 19	0 4	3 12	0 5	1 17	18 18	0 46	20 45	0 6	21 29	1 26	17 6	15 38	23 24	23 26	19 14	1 30	5 19	
M10	22 24	15 54	4 20	16 5	3 3	12 23	1 15	0n 9	3 13	0 3	1 16	18 20	0 46	20 44	0 6	21 29	1 26	17 7	15 38	23 24	23 26	19 13	1 30	5 19	
T 11	22 17	11 0	4 57	15 53	3 17	11 57	1 12	0 21	3 15	0s 0	1 16	18 21	0 46	20 44	0 6	21 29	1 26	17 7	15 39	23 24	23 26	19 11	1 30	5 19	
W12	22 9	5 35	5 15	15 42	3 31	11 30	1 8	0 33	3 16	0 3	1 16	18 22	0 46	20 44	0 6	21 28	1 26	17 8	15 39	23 24	23 26	19 10	1 31	5 20	
T 13	22 1	0 2	5 13	15 33	3 45	11 4	1 5	0 46	3 17	0 6	1 16	18 23	0 46	20 43	0 6	21 28	1 26	17 8	15 39	23 24	23 26	19 9	1 31	5 20	
F 14	21 53	5s23	4 54	15 25	3 57	10 37	1 1	0 58	3 18	0 10	1 16	18 24	0 47	20 43	0 6	21 28	1 26	17 9	15 40	23 24	23 26	19 7	1 31	5 20	
S 15	21 44	10 25	4 19	15 20	4 9	10 9	0 57	1 10	3 20	0 13	1 15	18 26	0 47	20 43	0 6	21 28	1 26	17 9	15 40	23 24	23 26	19 6	1 32	5 20	
S 16	21 35	14 52	3 31	15 16	4 20	9 42	0 53	1 22	3 21	0 16	1 15	18 27	0 47	20 43	0 6	21 28	1 26	17 10	15 40	23 24	23 26	19 4	1 32	5 20	
M17	21 25	18 33	2 35	15 14	4 30	9 14	0 49	1 34	3 22	0 19	1 15	18 28	0 47	20 43	0 6	21 28	1 26	17 10	15 41	23 24	23 26	19 3	1 32	5 21	
T 18	21 15	21 19	1 32	15 13	4 38	8 47	0 44	1 45	3 23	0 22	1 15	18 29	0 47	20 42	0 6	21 28	1 26	17 11	15 41	23 24	23 26	19 1	1 33	5 21	
W19	21 5	23 2	0 25	15 15	4 45	8 19	0 40	1 57	3 24	0 26	1 15	18 30	0 47	20 42	0 6	21 28	1 26	17 11	15 41	23 24	23 26	19 0	1 33	5 21	
T 20	20 54	23 39	0s41	15 18	4 51	7 51	0 35	2 8	3 26	0 29	1 14	18 32	0 47	20 42	0 6	21 28	1 26	17 12	15 42	23 24	23 26	18 58	1 34	5 21	
F 21	20 43	23 10	1 45	15 23	4 54	7 22	0 31	2 20	3 27	0 33	1 14	18 33	0 47	20 42	0 6	21 28	1 26	17 12	15 42	23 24	23 26	18 57	1 34	5 21	
S 22	20 32	21 37	2 44	15 29	4 57	6 54	0 26	2 31	3 28	0 36	1 14	18 34	0 47	20 41	0 6	21 28	1 25	17 13	15 42	23 24	23 26	18 55	1 35	5 21	
S 23	20 20	19 9	3 35	15 37	4 57	6 26	0 21	2 42	3 29	0 40	1 14	18 35	0 48	20 41	0 6	21 28	1 25	17 13	15 43	23 25	23 26	18 54	1 35	5 22	
M24	20 8	15 52	4 17	15 47	4 56	5 57	0 16	2 53	3 30	0 43	1 14	18 37	0 48	20 41	0 6	21 28	1 25	17 14	15 43	23 25	23 27	18 52	1 36	5 22	
T 25	19 56	11 58	4 48	15 57	4 53	5 29	0 11	3 3	3 31	0 47	1 13	18 38	0 48	20 41	0 6	21 27	1 25	17 14	15 43	23 25	23 27	18 51	1 36	5 22	
W26	19 43	7 35	5 7	16 9	4 48	5 0	0 6	3 14	3 32	0 50	1 13	18 39	0 48	20 41	0 6	21 27	1 25	17 15	15 43	23 25	23 27	18 49	1 37	5 22	
T 27	19 30	2 53	5 13	16 21	4 41	4 32	0 0	3 24	3 33	0 54	1 13	18 41	0 48	20 41	0 6	21 27	1 25	17 15	15 44	23 25	23 27	18 48	1 38	5 22	
F 28	19 17	2n 1	5 4	16 35	4 33	4 3	0s 5	3 35	3 34	0 58	1 13	18 42	0 48	20 40	0 6	21 27	1 25	17 16	15 44	23 25	23 27	18 46	1 38	5 22	
S 29	19 3	6 55	4 41	16 49	4 24	3 34	0 11	3 45	3 36	1 1	1 13	18 43	0 48	20 40	0 6	21 27	1 25	17 16	15 44	23 25	23 27	18 45	1 39	5 22	
S 30	18 49	11 40	4 4	17 3	4 13	3 5	0 16	3 55	3 37	1 5	1 13	18 44	0 48	20 40	0 6	21 27	1 25	17 17	15 45	23 25	23 27	18 43	1 40	5 23	
M31	18n35	16n 1	3s13	17n17	4s 1	2n37	0s22	4n 5	3s38	1s 9	1n12	18s46	0s48	20s40	0n 6	21s27	1n25	17s18	15s45	23n25	23n27	18s41	1s40	5n23	



ASTRODIENST EPHEMERIS for the year 1815  
geocentric

AUGUST 1815

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 34 55	7♏48'45	9♏ 0	24°R17	23♏33	19♏26	5♏50	9°R 5	2°R56	17°R23	22°R45	3♏29	1♏56	19♏13	13°R 4	T 1
W 2	20 38 52	8°46'13	23° 2	24°D13	24°32	19°54	5°59	9°R 0	2°R56	17°R22	22°R44	3°30	1°53	19°20	13°R 2	W 2
T 3	20 42 48	9°43'41	7♏29	24♏16	25°30	20°22	6° 9	8°56	2°55	17°21	22°43	3°R31	1°50	19°27	13° 0	T 3
F 4	20 46 45	10°41'10	22°20	24°25	26°28	20°48	6°18	8°51	2°55	17°20	22°43	3°29	1°46	19°34	12°58	F 4
S 5	20 50 41	11°38'41	7♏27	24°40	27°25	21°15	6°28	8°47	2°55	17°20	22°42	3°27	1°43	19°40	12°55	S 5
S 6	20 54 38	12°36'12	22°42	25° 2	28°22	21°41	6°38	8°42	2°54	17°19	22°41	3°22	1°40	19°47	12°53	S 6
M 7	20 58 35	13°33'45	7♏53	25°31	29°19	22° 7	6°48	8°38	2°54	17°18	22°40	3°16	1°37	19°54	12°51	M 7
T 8	21 2 31	14°31'18	22°52	26° 7	0♏15	22°32	6°58	8°33	2°54	17°17	22°39	3°10	1°34	20° 0	12°48	T 8
W 9	21 6 28	15°28'52	7♏30	26°49	1°10	22°56	7° 8	8°29	2°53	17°17	22°38	3° 5	1°31	20° 7	12°46	W 9
T 10	21 10 24	16°26'27	21°42	27°38	2° 5	23°21	7°18	8°24	2°53	17°16	22°37	3° 1	1°27	20°14	12°43	T 10
F 11	21 14 21	17°24'03	5♏26	28°34	3° 0	23°44	7°28	8°20	2°53	17°15	22°36	2°59	1°24	20°20	12°41	F 11
S 12	21 18 17	18°21'40	18°43	29°35	3°54	24° 7	7°39	8°16	2°D53	17°15	22°35	2°D58	1°21	20°27	12°38	S 12
S 13	21 22 14	19°19'18	1♏35	0♏43	4°48	24°30	7°49	8°11	2°53	17°14	22°34	2°58	1°18	20°34	12°36	S 13
M14	21 26 10	20°16'57	14° 7	1°57	5°41	24°52	8° 0	8° 7	2°53	17°14	22°33	3° 0	1°15	20°40	12°33	M14
T 15	21 30 7	21°14'37	26°23	3°16	6°33	25°14	8°10	8° 3	2°53	17°13	22°32	3° 1	1°12	20°47	12°30	T 15
W16	21 34 4	22°12'18	8♏28	4°41	7°25	25°35	8°21	7°58	2°53	17°13	22°31	3°R 1	1° 8	20°54	12°28	W16
T 17	21 38 0	23°10'01	20°24	6°11	8°16	25°55	8°32	7°54	2°54	17°12	22°30	2°59	1° 5	21° 1	12°25	T 17
F 18	21 41 57	24° 7'44	2♏16	7°45	9° 6	26°15	8°43	7°50	2°54	17°12	22°29	2°55	1° 2	21° 7	12°22	F 18
S 19	21 45 53	25° 5'29	14° 6	9°23	9°56	26°35	8°54	7°46	2°54	17°12	22°28	2°49	0°59	21°14	12°20	S 19
S 20	21 49 50	26° 3'15	25°57	11° 6	10°45	26°53	9° 5	7°42	2°55	17°11	22°27	2°41	0°56	21°21	12°17	S 20
M21	21 53 46	27° 1'02	7♏50	12°52	11°33	27°11	9°16	7°38	2°55	17°11	22°26	2°31	0°52	21°27	12°14	M21
T 22	21 57 43	27°58'51	19°46	14°40	12°21	27°29	9°27	7°34	2°55	17°11	22°25	2°21	0°49	21°34	12°12	T 22
W23	22 1 39	28°56'42	1°R48	16°32	13° 8	27°46	9°38	7°29	2°56	17°10	22°24	2°10	0°46	21°41	12° 9	W23
T 24	22 5 36	29°54'34	13°57	18°25	13°53	28° 2	9°49	7°26	2°57	17°10	22°23	2° 1	0°43	21°47	12° 6	T 24
F 25	22 9 32	0♏52'28	26°15	20°20	14°39	28°17	10° 0	7°22	2°57	17°10	22°22	1°54	0°40	21°54	12° 3	F 25
S 26	22 13 29	1°50'23	8♏46	22°16	15°23	28°32	10°12	7°18	2°58	17°10	22°21	1°49	0°37	22° 1	12° 0	S 26
S 27	22 17 26	2°48'21	21°31	24°14	16° 6	28°46	10°23	7°14	2°59	17°10	22°20	1°47	0°33	22° 7	11°58	S 27
M28	22 21 22	3°46'20	4♏36	26°11	16°48	29° 0	10°35	7°10	2°59	17°10	22°18	1°D46	0°30	22°14	11°55	M28
T 29	22 25 19	4°44'21	18° 2	28° 9	17°30	29°13	10°46	7° 6	3° 0	17°10	22°17	1°47	0°27	22°21	11°52	T 29
W30	22 29 15	5°42'25	1♏53	0♏ 8	18°10	29°24	10°58	7° 3	3° 1	17°D10	22°16	1°R47	0°24	22°27	11°49	W30
T 31	22 33 12	6♏40'30	16♏10	2♏ 6	18♏49	29°R36	11♏10	6♏59	3♏ 2	17°R10	22°R15	1♏46	0°21	22°34	11°R46	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	18n20	19n41	2s10	17n32	3s48	2n 8	0s28	4n14	3s39	1s13	1n12	18s47	0s48	20s40	0n 6	21s27
W 2	18 5	22 20	0 57	17 46	3 34	1 39	0 34	4 24	3 40	1 17	1 12	18 48	0 48	20 40	0 6	21 27
T 3	17 50	23 37	0n22	18 1	3 20	1 10	0 40	4 33	3 41	1 21	1 12	18 49	0 49	20 40	0 6	21 27
F 4	17 34	23 16	1 41	18 14	3 4	0 42	0 47	4 42	3 42	1 25	1 12	18 51	0 49	20 40	0 6	21 27
S 5	17 19	21 14	2 54	18 27	2 48	0 13	0 53	4 51	3 42	1 29	1 11	18 52	0 49	20 40	0 6	21 27
S 6	17 3	17 40	3 55	18 39	2 32	0s15	0 59	5 0	3 43	1 33	1 11	18 53	0 49	20 40	0 6	21 27
M 7	16 46	12 57	4 40	18 50	2 16	0 44	1 6	5 9	3 44	1 37	1 11	18 54	0 49	20 40	0 6	21 27
T 8	16 30	7 30	5 5	19 0	1 59	1 12	1 13	5 17	3 45	1 41	1 11	18 56	0 49	20 40	0 6	21 27
W 9	16 13	1 45	5 9	19 8	1 43	1 41	1 19	5 26	3 46	1 45	1 11	18 57	0 49	20 40	0 6	21 27
T 10	15 55	3s56	4 53	19 15	1 26	2 9	1 26	5 34	3 47	1 49	1 11	18 58	0 49	20 40	0 6	21 27
F 11	15 38	9 14	4 22	19 19	1 10	2 37	1 33	5 42	3 48	1 53	1 11	18 59	0 49	20 40	0 6	21 27
S 12	15 20	13 56	3 36	19 22	0 54	3 5	1 40	5 49	3 48	1 58	1 10	19 1	0 49	20 40	0 6	21 27
S 13	15 3	17 52	2 42	19 23	0 39	3 33	1 48	5 57	3 49	2 2	1 10	19 2	0 49	20 40	0 6	21 27
M14	14 44	20 51	1 40	19 21	0 24	4 1	1 55	6 4	3 50	2 6	1 10	19 3	0 49	20 40	0 6	21 27
T 15	14 26	22 49	0 36	19 17	0 10	4 29	2 2	6 11	3 51	2 10	1 10	19 4	0 49	20 40	0 6	21 27
W16	14 7	23 41	0s29	19 11	0n 4	4 56	2 10	6 18	3 51	2 15	1 10	19 5	0 49	20 40	0 6	21 27
T 17	13 49	23 26	1 32	19 1	0 17	5 23	2 17	6 25	3 52	2 19	1 10	19 7	0 50	20 40	0 6	21 27
F 18	13 30	22 7	2 31	18 49	0 29	5 50	2 25	6 32	3 53	2 23	1 10	19 8	0 50	20 40	0 6	21 27
S 19	13 10	19 50	3 22	18 35	0 41	6 17	2 33	6 38	3 53	2 28	1 9	19 9	0 50	20 40	0 6	21 27
S 20	12 51	16 43	4 5	18 17	0 51	6 43	2 41	6 44	3 54	2 32	1 9	19 10	0 50	20 40	0 6	21 27
M21	12 31	12 55	4 37	17 56	1 1	7 10	2 49	6 50	3 54	2 37	1 9	19 11	0 50	20 40	0 6	21 27
T 22	12 11	8 37	4 57	17 33	1 9	7 36	2 57	6 56	3 55	2 41	1 9	19 12	0 50	20 40	0 6	21 27
W23	11 51	3 56	5 5	17 8	1 17	8 2	3 5	7 1	3 55	2 46	1 9	19 13	0 50	20 40	0 6	21 27
T 24	11 31	0n56	4 58	16 39	1 24	8 27	3 13	7 7	3 56	2 50	1 9	19 14	0 50	20 40	0 6	21 27
F 25	11 10	5 49	4 38	16 9	1 30	8 52	3 21	7 12	3 56	2 55	1 9	19 15	0 50	20 41	0 6	21 27
S 26	10 50	10 35	4 4	15 36	1 35	9 17	3 30	7 17	3 57	2 59	1 9	19 16	0 50	20 41	0 6	21 27
S 27	10 29	14 59	3 18	15 1	1 39	9 42	3 38	7 21	3 57	3 4	1 8	19 17	0 50	20 41	0 6	21 27
M28	10 8	18 47	2 20	14 24	1 42	10 6	3 47	7 26	3 57	3 9	1 8	19 18	0 50	20 41	0 6	21 27
T 29	9 47	21 43	1 13	13 45	1 44	10 30	3 55	7 30	3 57	3 13	1 8	19 19	0 50	20 41	0 6	21 27
W30	9 26	23 28	0n 1	13 5	1 46	10 53	4 4	7 34	3 58	3 18	1 8	19 20	0 50	20 41	0 6	21 27
T 31	9n 4	23n44	1n16	12n24	1n47	11s16	4s12	7n38	3s58	3s23	1n 8	19s21	0s50	20s42	0n 6	21s27

Julian Day Number = 2384186.5, Delta T = 16.26 sec  
Ecliptic obliquity = 23°27'47, Nutation = - 0°00'16, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°09'55, Lahiri = 21°16'55

# ASTRODIENST EPHEMERIS for the year 1815

## geocentric

SEPTEMBER 1815

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 37 8	7 <sup>m</sup> 38'37"	0 <sup>h</sup> 0'50"	4 <sup>m</sup> 3	19 <sup>h</sup> 27	29 <sup>h</sup> 46	11 <sup>h</sup> 21	6°R56	3 <sup>h</sup> 3	17 <sup>h</sup> 10	22°R14	1°R43	0 <sup>h</sup> 18	22 <sup>h</sup> 41	11°R43	F 1
S 2	22 41 5	8°36'46"	15°51'	6° 0	20° 4	29°56	11°33	6 <sup>h</sup> 52	3° 4	17°10	22 <sup>h</sup> 13	1 <sup>h</sup> 38	0°14	22°48	11 <sup>h</sup> 40	S 2
S 3	22 45 2	9°34'57"	1 <sup>m</sup> 3	7°56	20°40	0 <sup>h</sup> 4	11°45	6°49	3° 5	17°10	22°11	1°30	0°11	22°54	11°38	S 3
M 4	22 48 58	10°33'09"	16°17	9°52	21°14	0°12	11°57	6°45	3° 6	17°10	22°10	1°20	0° 8	23° 1	11°35	M 4
T 5	22 52 55	11°31'24"	1 <sup>h</sup> 22	11°46	21°48	0°20	12° 9	6°42	3° 7	17°10	22° 9	1°10	0° 5	23° 8	11°32	T 5
W 6	22 56 51	12°29'39"	16° 8	13°40	22°20	0°26	12°21	6°39	3° 9	17°10	22° 8	1° 0	0° 2	23°14	11°29	W 6
T 7	23 0 48	13°27'57"	0 <sup>m</sup> 28	15°33	22°50	0°32	12°33	6°36	3°10	17°10	22° 7	0°53	29 <sup>h</sup> 58	23°21	11°26	T 7
F 8	23 4 44	14°26'16"	14°19	17°24	23°19	0°36	12°45	6°33	3°11	17°11	22° 5	0°47	29°55	23°28	11°23	F 8
S 9	23 8 41	15°24'37"	27°41	19°15	23°46	0°40	12°57	6°30	3°13	17°11	22° 4	0°44	29°52	23°34	11°20	S 9
S 10	23 12 37	16°22'59"	10 <sup>h</sup> 35	21° 4	24°12	0°43	13°10	6°27	3°14	17°11	22° 3	0°42	29°49	23°41	11°17	S 10
M 11	23 16 34	17°21'23"	23° 7	22°52	24°37	0°45	13°22	6°24	3°16	17°12	22° 2	0°D42	29°46	23°48	11°15	M 11
T 12	23 20 30	18°19'48"	5 <sup>h</sup> 20	24°40	24°59	0°46	13°34	6°21	3°17	17°12	22° 1	0°R42	29°43	23°55	11°12	T 12
W 13	23 24 27	19°18'15"	17°21	26°26	25°20	0°R47	13°46	6°19	3°19	17°13	21°59	0°41	29°39	24° 1	11° 9	W 13
T 14	23 28 24	20°16'44"	29°14	28°11	25°39	0°46	13°59	6°16	3°20	17°13	21°58	0°38	29°36	24° 8	11° 6	T 14
F 15	23 32 20	21°15'14"	11 <sup>h</sup> 3	29°55	25°56	0°45	14°11	6°14	3°22	17°14	21°57	0°33	29°33	24°15	11° 3	F 15
S 16	23 36 17	22°13'46"	22°53	1 <sup>h</sup> 38	26°11	0°43	14°24	6°11	3°24	17°14	21°56	0°24	29°30	24°21	11° 1	S 16
S 17	23 40 13	23°12'20"	4 <sup>h</sup> 46	3°19	26°24	0°39	14°36	6° 9	3°25	17°15	21°55	0°13	29°27	24°28	10°58	S 17
M 18	23 44 10	24°10'55"	16°44	5° 0	26°35	0°35	14°49	6° 7	3°27	17°15	21°53	29 <sup>h</sup> 59	29°23	24°35	10°55	M 18
T 19	23 48 6	25° 9'33"	28°49	6°40	26°44	0°31	15° 1	6° 4	3°29	17°16	21°52	29°46	29°20	24°41	10°52	T 19
W 20	23 52 3	26° 8'12"	11 <sup>h</sup> 1	8°19	26°51	0°25	15°14	6° 2	3°31	17°17	21°51	29°32	29°17	24°48	10°49	W 20
T 21	23 55 59	27° 6'54"	23°21	9°56	26°55	0°18	15°27	6° 0	3°33	17°17	21°50	29°20	29°14	24°55	10°47	T 21
F 22	23 59 56	28° 5'38"	5 <sup>h</sup> 51	11°33	26°R57	0°11	15°39	5°58	3°35	17°18	21°48	29°10	29°11	25° 2	10°44	F 22
S 23	0 3 53	29° 4'23"	18°31	13° 9	26°57	0° 3	15°52	5°57	3°37	17°19	21°47	29° 2	29° 8	25° 8	10°41	S 23
S 24	0 7 49	0 <sup>h</sup> 3'11"	1 <sup>h</sup> 24	14°44	26°55	29 <sup>h</sup> 53	16° 5	5°55	3°39	17°20	21°46	28°58	29° 4	25°15	10°39	S 24
M 25	0 11 46	1° 2'02"	14°30	16°18	26°50	29°43	16°17	5°53	3°41	17°20	21°45	28°56	29° 1	25°22	10°36	M 25
T 26	0 15 42	2° 0'55"	17°54	17°51	26°43	29°33	16°30	5°52	3°43	17°21	21°44	28°56	28°58	25°28	10°33	T 26
W 27	0 19 39	2°59'50"	11 <sup>h</sup> 37	19°24	26°33	29°21	16°43	5°50	3°45	17°22	21°42	28°56	28°55	25°35	10°31	W 27
T 28	0 23 35	3°58'47"	25°41	20°55	26°21	29° 9	16°56	5°49	3°48	17°23	21°41	28°55	28°52	25°42	10°28	T 28
F 29	0 27 32	4°57'47"	10 <sup>h</sup> 6	22°25	26° 7	28°56	17° 9	5°48	3°50	17°24	21°40	28°51	28°49	25°48	10°26	F 29
S 30	0 31 28	5 <sup>h</sup> 56'49"	24 <sup>h</sup> 48	23 <sup>h</sup> 55	25 <sup>h</sup> 50	28 <sup>h</sup> 42	17 <sup>h</sup> 21	5 <sup>h</sup> 47	3 <sup>h</sup> 52	17 <sup>h</sup> 25	21 <sup>h</sup> 39	28 <sup>h</sup> 46	28 <sup>h</sup> 45	25 <sup>h</sup> 55	10 <sup>h</sup> 23	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	8n43	22n24	2n28	11n41	1n47	11s39	4s21	7n41	3s58	3s27	1n 8	19s22	0s50	20s42	0n 6	21s27	1n23	17s36	15s51	23n27	23n28	17s49	2s10	5n24	
S 2	8 21	19 28	3 32	10 58	1 46	12 1	4 30	7 45	3 58	3 32	1 8	19 23	0 50	20 42	0 6	21 28	1 23	17 37	15 52	23 27	23 28	17 48	2 11	5 24	
S 3	7 59	15 11	4 21	10 13	1 45	12 22	4 39	7 48	3 58	3 37	1 8	19 24	0 50	20 42	0 6	21 28	1 23	17 37	15 52	23 27	23 28	17 46	2 13	5 24	
M 4	7 37	9 54	4 52	9 28	1 43	12 44	4 47	7 51	3 58	3 42	1 8	19 25	0 50	20 42	0 6	21 28	1 23	17 38	15 52	23 27	23 28	17 44	2 14	5 24	
T 5	7 15	4 5	5 2	8 42	1 41	13 4	4 56	7 53	3 58	3 46	1 7	19 26	0 50	20 43	0 6	21 28	1 23	17 38	15 52	23 27	23 28	17 42	2 15	5 24	
W 6	6 53	1s52	4 52	7 56	1 38	13 25	5 5	7 56	3 57	3 51	1 7	19 27	0 50	20 43	0 6	21 28	1 23	17 39	15 52	23 28	23 28	17 41	2 16	5 24	
T 7	6 30	7 32	4 23	7 9	1 34	13 44	5 14	7 58	3 57	3 56	1 7	19 27	0 50	20 43	0 6	21 28	1 23	17 40	15 52	23 28	23 28	17 39	2 17	5 24	
F 8	6 8	12 39	3 40	6 22	1 31	14 3	5 23	8 0	3 57	4 1	1 7	19 28	0 50	20 43	0 6	21 28	1 23	17 40	15 52	23 28	23 28	17 37	2 18	5 24	
S 9	5 45	16 58	2 46	5 35	1 26	14 22	5 31	8 1	3 57	4 6	1 7	19 29	0 51	20 44	0 6	21 28	1 23	17 41	15 52	23 28	23 28	17 35	2 19	5 24	
S 10	5 23	20 20	1 45	4 48	1 22	14 39	5 40	8 3	3 56	4 10	1 7	19 30	0 51	20 44	0 6	21 28	1 23	17 41	15 52	23 28	23 28	17 34	2 21	5 24	
M11	5 0	22 37	0 40	4 1	1 17	14 57	5 49	8 4	3 56	4 15	1 7	19 30	0 51	20 44	0 6	21 28	1 23	17 42	15 52	23 28	23 28	17 32	2 22	5 24	
T 12	4 37	23 46	0s25	3 13	1 12	15 13	5 57	8 5	3 55	4 20	1 7	19 31	0 51	20 45	0 6	21 28	1 23	17 42	15 52	23 28	23 28	17 30	2 23	5 24	
W13	4 14	23 46	1 27	2 26	1 6	15 29	6 6	8 6	3 54	4 25	1 7	19 32	0 51	20 45	0 5	21 28	1 23	17 43	15 52	23 28	23 28	17 28	2 24	5 23	
T 14	3 51	22 42	2 25	1 39	1 1	15 44	6 14	8 6	3 54	4 30	1 7	19 33	0 51	20 45	0 5	21 28	1 23	17 43	15 52	23 28	23 28	17 27	2 25	5 23	
F 15	3 28	20 37	3 16	0 52	0 55	15 58	6 23	8 6	3 53	4 35	1 7	19 33	0 51	20 46	0 5	21 29	1 23	17 44	15 52	23 28	23 28	17 25	2 26	5 23	
S 16	3 5	17 39	3 59	0 6	0 48	16 11	6 31	8 7	3 52	4 40	1 7	19 34	0 51	20 46	0 5	21 29	1 23	17 44	15 52	23 28	23 28	17 23	2 28	5 23	
S 17	2 42	13 58	4 31	0s41	0 42	16 23	6 39	8 6	3 51	4 44	1 6	19 34	0 51	20 46	0 5	21 29	1 23	17 45	15 52	23 28	23 28	17 21	2 29	5 23	
M18	2 19	9 43	4 52	1 27	0 35	16 35	6 47	8 6	3 50	4 49	1 6	19 35	0 51	20 47	0 5	21 29	1 23	17 45	15 52	23 28	23 28	17 19	2 30	5 23	
T 19	1 56	5 3	5 0	2 12	0 29	16 45	6 55	8 5	3 49	4 54	1 6	19 35	0 51	20 47	0 5	21 29	1 23	17 46	15 52	23 28	23 28	17 18	2 31	5 23	
W20	1 32	0 9	4 54	2 58	0 22	16 54	7 2	8 5	3 47	4 59	1 6	19 36	0 51	20 47	0 5	21 29	1 22	17 46	15 52	23 28	23 28	17 16	2 32	5 23	
T 21	1 9	4n50	4 34	3 43	0 15	17 3	7 9	8 4	3 46	5 4	1 6	19 37	0 51	20 48	0 5	21 29	1 22	17 47	15 52	23 28	23 28	17 14	2 33	5 22	
F 22	0 46	9 41	4 1	4 27	0 8	17 10	7 16	8 2	3 45	5 9	1 6	19 37	0 51	20 48	0 5	21 29	1 22	17 47	15 52	23 28	23 28	17 12	2 35	5 22	
S 23	0 22	14 13	3 16	5 11	0 1	17 16	7 23	8 1	3 43	5 14	1 6	19 37	0 51	20 49	0 5	21 30	1 22	17 48	15 52	23 28	23 28	17 10	2 36	5 22	
S 24	0s 1	18 11	2 20	5 55	0s 6	17 21	7 29	7 59	3 41	5 19	1 6	19 38	0 51	20 49	0 5	21 30	1 22	17 48	15 52	23 28	23 28	17 9	2 37	5 22	
M25	0 25	21 19	1 15	6 38	0 14	17 24	7 35	7 58	3 40	5 24	1 6	19 38	0 51	20 49	0 5	21 30	1 22	17 49	15 52	23 28	23 28	17 7	2 38	5 22	
T 26	0 48	23 21	0 5	7 20	0 21	17 27	7 40	7 55	3 38	5 29	1 6	19 39	0 51	20 50	0 5	21 30	1 22	17 49	15 52	23 28	23 28	17 5	2 39	5 22	
W27	1 12	24 4	1n 7	8 2	0 28	17 28	7 45	7 53	3 36	5 34	1 6	19 39	0 51	20 50	0 5	21 30	1 22	17 49	15 52	23 28	23 28	17 3	2 40	5 21	
T 28	1 35	23 16	2 16	8 43	0 36	17 27	7 49	7 51	3 34	5 39	1 6	19 39	0 51	20 51	0 5	21 30	1 22	17 50	15 52	23 28	23 28	17 1	2 41	5 21	
F 29	1 58	20 56	3 19	9 24	0 43	17 25	7 53	7 48	3 32	5 44	1 6	19 40	0 51	20 51	0 5	21 30	1 22	17 50	15 52	23 28	23 27	16 59	2 43	5 21	
S 30	2s22	17n11	4n10	10s 4	0s50	17s22	7s56	7n46	3s29	5s49	1n 6	19s40	0s51	20s52	0n 5	21s30	1n22	17s51	15s52	23n27	23n27	16s58	2s44	5n21	



ASTRODIENST EPHEMERIS for the year 1815  
geocentric

NOVEMBER 1815

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 37 38	7♈43'13	2♈38	27°R32	11°R20	19°R16	24♈17	6♈3	5♈25	18♈11	21°R 7	25°R41	27♈4	29♈30	9°R23	W 1
T 2	2 41 35	8°43'21	16°42	27♈30	11♈16	19°R 3	24°30	6°5	5°29	18°13	21♈6	25♈35	27°0	29°36	9♈22	T 2
F 3	2 45 31	9°43'31	0♈26	27°19	11°D14	18°51	24°43	6°7	5°32	18°15	21°5	25°30	26°57	29°43	9°21	F 3
S 4	2 49 28	10°43'43	13°47	26°59	11°14	18°39	24°55	6°9	5°36	18°16	21°5	25°27	26°54	29°50	9°20	S 4
S 5	2 53 24	11°43'57	26°44	26°29	11°17	18°28	25°8	6°12	5°39	18°18	21°4	25°D26	26°51	29°56	9°19	S 5
M 6	2 57 21	12°44'12	9♈20	25°49	11°22	18°18	25°21	6°14	5°43	18°20	21°3	25°27	26°48	0♈3	9°18	M 6
T 7	3 1 17	13°44'28	21°38	25°0	11°30	18°9	25°34	6°17	5°46	18°22	21°3	25°29	26°45	0°10	9°17	T 7
W 8	3 5 14	14°44'47	3♈42	24°1	11°39	18°0	25°46	6°20	5°50	18°24	21°2	25°30	26°41	0°17	9°16	W 8
T 9	3 9 11	15°45'06	15°37	22°54	11°51	17°52	25°59	6°22	5°53	18°26	21°1	25°R31	26°38	0°23	9°16	T 9
F 10	3 13 7	16°45'27	27°29	21°41	12°5	17°46	26°12	6°25	5°57	18°28	21°1	25°30	26°35	0°30	9°15	F 10
S 11	3 17 4	17°45'49	9♈21	20°23	12°21	17°39	26°24	6°28	6°0	18°30	21°0	25°28	26°32	0°37	9°14	S 11
S 12	3 21 0	18°46'13	21°20	19°3	12°39	17°34	26°37	6°31	6°4	18°32	21°0	25°24	26°29	0°43	9°14	S 12
M13	3 24 57	19°46'38	3♈28	17°43	12°59	17°30	26°49	6°35	6°7	18°34	20°59	25°18	26°26	0°50	9°13	M13
T 14	3 28 53	20°47'05	15°49	16°25	13°21	17°26	27°2	6°38	6°11	18°36	20°58	25°12	26°22	0°57	9°13	T 14
W15	3 32 50	21°47'33	28°24	15°14	13°45	17°23	27°14	6°41	6°14	18°38	20°58	25°6	26°19	1°4	9°13	W15
T 16	3 36 46	22°48'03	11♈16	14°9	14°11	17°21	27°27	6°45	6°18	18°40	20°57	25°0	26°16	1°10	9°12	T 16
F 17	3 40 43	23°48'34	24°23	13°15	14°38	17°20	27°39	6°48	6°22	18°42	20°57	24°56	26°13	1°17	9°12	F 17
S 18	3 44 40	24°49'06	7♈45	12°31	15°7	17°D20	27°51	6°52	6°25	18°44	20°57	24°53	26°10	1°24	9°12	S 18
S 19	3 48 36	25°49'40	21°19	11°58	15°38	17°20	28°4	6°56	6°29	18°47	20°56	24°D52	26°6	1°30	9°12	S 19
M20	3 52 33	26°50'16	5♈4	11°37	16°10	17°21	28°16	6°59	6°33	18°49	20°56	24°52	26°3	1°37	9°12	M20
T 21	3 56 29	27°50'54	18°59	11°D28	16°44	17°23	28°28	7°3	6°36	18°51	20°55	24°54	26°0	1°44	9°D12	T 21
W22	4 0 26	28°51'33	3♈0	11°30	17°19	17°26	28°40	7°7	6°40	18°53	20°55	24°55	25°57	1°51	9°12	W22
T 23	4 4 22	29°52'14	17°6	11°42	17°55	17°29	28°52	7°11	6°43	18°55	20°55	24°57	25°54	1°57	9°12	T 23
F 24	4 8 19	0♈52'56	1♈15	12°4	18°33	17°33	29°4	7°15	6°47	18°57	20°54	24°R57	25°51	2°4	9°12	F 24
S 25	4 12 15	1°53'40	15°27	12°35	19°12	17°38	29°16	7°20	6°51	19°0	20°54	24°56	25°47	2°11	9°12	S 25
S 26	4 16 12	2°54'26	29°37	13°13	19°53	17°44	29°28	7°24	6°55	19°2	20°54	24°55	25°44	2°17	9°13	S 26
M27	4 20 9	3°55'13	13♈45	13°59	20°34	17°51	29°40	7°28	6°58	19°4	20°54	24°52	25°41	2°24	9°13	M27
T 28	4 24 5	4°56'02	27°46	14°51	21°17	17°58	29°52	7°33	7°2	19°6	20°54	24°49	25°38	2°31	9°13	T 28
W29	4 28 2	5°56'52	11♈37	15°48	22°1	18°5	0♈4	7°37	7°6	19°8	20°53	24°46	25°35	2°37	9°14	W29
T 30	4 31 58	6♈57'44	25♈16	16♈50	22♈46	18°Y14	0♈16	7♈42	7♈9	19♈11	20♈53	24♈44	25♈32	2♈44	9♈14	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
W 1	14s 6	8s33	4n 6	22s14	2s40	7s37	3s24	6n 4	1s36	8s25	1n 5	19s36	0s51	21s 9	0n 5	21s36	1n21	17s59	15s47	23n24	23n26	15s56	3s14	5n12	
T 2	14 25	13 45	3 13	22 6	2 32	7 22	3 9	6 3	1 32	8 29	1 5	19 35	0 51	21 10	0 5	21 36	1 21	17 59	15 46	23 23	23 26	15 54	3 15	5 12	
F 3	14 45	18 8	2 11	21 54	2 23	7 8	2 55	6 2	1 28	8 34	1 5	19 35	0 51	21 10	0 5	21 36	1 20	17 59	15 46	23 23	23 26	15 52	3 16	5 11	
S 4	15 3	21 26	1 3	21 39	2 12	6 55	2 41	6 1	1 24	8 39	1 5	19 34	0 51	21 11	0 5	21 37	1 20	17 59	15 46	23 23	23 26	15 50	3 16	5 11	
S 5	15 22	23 32	0s 7	21 20	2 0	6 43	2 27	6 0	1 20	8 43	1 5	19 33	0 51	21 11	0 5	21 37	1 20	17 59	15 46	23 23	23 26	15 48	3 17	5 11	
M 6	15 41	24 23	1 15	20 57	1 46	6 33	2 13	6 0	1 17	8 48	1 5	19 33	0 51	21 12	0 5	21 37	1 20	17 59	15 45	23 23	23 25	15 46	3 18	5 10	
T 7	15 59	23 59	2 17	20 29	1 30	6 23	2 0	6 0	1 13	8 53	1 5	19 32	0 51	21 13	0 5	21 37	1 20	17 59	15 45	23 23	23 25	15 44	3 18	5 10	
W 8	16 17	22 28	3 13	19 58	1 13	6 15	1 47	6 0	1 9	8 57	1 5	19 32	0 51	21 13	0 5	21 37	1 20	17 59	15 45	23 23	23 25	15 42	3 19	5 10	
T 9	16 34	19 58	3 59	19 23	0 54	6 8	1 34	6 1	1 5	9 2	1 5	19 31	0 50	21 14	0 5	21 38	1 20	17 59	15 45	23 23	23 25	15 40	3 19	5 9	
F 10	16 52	16 39	4 35	18 45	0 34	6 2	1 21	6 2	1 1	9 6	1 6	19 30	0 50	21 15	0 5	21 38	1 20	17 59	15 44	23 23	23 25	15 38	3 20	5 9	
S 11	17 9	12 41	4 59	18 5	0 14	5 57	1 9	6 3	0 58	9 11	1 6	19 29	0 50	21 15	0 5	21 38	1 20	17 59	15 44	23 23	23 25	15 36	3 21	5 9	
S 12	17 25	8 11	5 10	17 23	0n 7	5 53	0 57	6 4	0 54	9 15	1 6	19 29	0 50	21 16	0 5	21 38	1 20	17 59	15 44	23 23	23 25	15 34	3 21	5 8	
M13	17 42	3 20	5 8	16 41	0 27	5 50	0 45	6 6	0 51	9 20	1 6	19 28	0 50	21 16	0 5	21 38	1 20	17 59	15 43	23 23	23 25	15 31	3 22	5 8	
T 14	17 58	1n45	4 51	16 1	0 47	5 48	0 34	6 8	0 47	9 24	1 6	19 27	0 50	21 17	0 5	21 39	1 20	17 59	15 43	23 23	23 25	15 29	3 22	5 8	
W15	18 14	6 52	4 20	15 22	1 6	5 47	0 23	6 10	0 44	9 29	1 6	19 26	0 50	21 18	0 5	21 39	1 20	17 59	15 43	23 22	23 25	15 27	3 23	5 7	
T 16	18 29	11 48	3 36	14 47	1 23	5 47	0 12	6 12	0 40	9 33	1 6	19 25	0 50	21 18	0 5	21 39	1 20	17 59	15 43	23 22	23 25	15 25	3 23	5 7	
F 17	18 45	16 19	2 39	14 16	1 38	5 48	0 2	6 15	0 37	9 37	1 6	19 24	0 50	21 19	0 5	21 39	1 20	17 58	15 42	23 22	23 25	15 23	3 23	5 7	
S 18	18 59	20 6	1 32	13 50	1 52	5 50	0n 8	6 18	0 34	9 42	1 6	19 23	0 50	21 20	0 5	21 39	1 20	17 58	15 42	23 22	23 24	15 21	3 24	5 6	
S 19	19 14	22 51	0 19	13 29	2 3	5 53	0 18	6 21	0 30	9 46	1 6	19 22	0 50	21 20	0 5	21 40	1 20	17 58	15 42	23 22	23 24	15 19	3 24	5 6	
M20	19 28	24 18	0n56	13 14	2 12	5 57	0 27	6 24	0 27	9 50	1 6	19 21	0 50	21 21	0 5	21 40	1 20	17 58	15 41	23 22	23 24	15 17	3 25	5 5	
T 21	19 42	24 14	2 8	13 4	2 20	6 1	0 36	6 28	0 24	9 55	1 6	19 20	0 50	21 21	0 5	21 40	1 20	17 58	15 41	23 22	23 24	15 15	3 25	5 5	
W22	19 55	22 39	3 14	13 0	2 25	6 7	0 45	6 32	0 21	9 59	1 6	19 19	0 50	21 22	0 5	21 40	1 20	17 58	15 41	23 22	23 24	15 13	3 25	5 5	
T 23	20 9	19 40	4 9	13 0	2 29	6 13	0 53	6 36	0 18	10 3	1 6	19 18	0 50	21 23	0 5	21 40	1 20	17 58	15 40	23 22	23 24	15 11	3 25	5 4	
F 24	20 21	15 31	4 48	13 5	2 31	6 20	1 2	6 40	0 15	10 7	1 6	19 17	0 50	21 23	0 5	21 41	1 20	17 57	15 40	23 22	23 24	15 9	3 26	5 4	
S 25	20 34	10 30	5 10	13 13	2 31	6 27	1 9	6 44	0 12	10 12	1 6	19 16	0 50	21 24	0 5	21 41	1 20	17 57	15 40	23 22	23 24	15 6	3 26	5 4	
S 26	20 46	4 57	5 13	13 25	2 31	6 36	1 17	6 49	0 9	10 16	1 6	19 15	0 50	21 25	0 5	21 41	1 20	17 57	15 39	23 22	23 24	15 4	3 26	5 3	
M27	20 57	0s51	4 58	13 41	2 29	6 44	1 24	6 54	0 7	10 20	1 6	19 14	0 50	21 25	0 5	21 41	1 20	17 57	15 39	23 22	23 24	15 2	3 26	5 3	
T 28	21 8	6 34	4 24	13 58	2 27	6 54	1 31	6 59	0 4	10 24	1 7	19 13	0 50	21 26	0 5	21 41	1 20	17 57	15 39	23 22	23 23	15 0	3 27	5 3	
W29	21 19	11 55	3 36	14 18	2 23	7 4	1 38	7 5	0 1	10 28	1 7	19 12	0 50	21 26	0 5	21 42	1 20	17 56	15 38	23 22	23 23	14 58	3 27	5 2	
T 30	21s30	16s35	2n35	14s40	2n19	7s15	1n44	7n10	0n 1	10s32	1n 7	19s11	0s50	21s27	0n 5	21s42	1n20	17s56	15s38	23n22	23n23	14s56	3s27	5n 2	

# ASTRODIENST EPHEMERIS for the year 1815

## geocentric

DECEMBER 1815

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 35 55	7♂58'36	8♂39	17♂56	23♂31	18♂23	0♂27	7♂46	7♂13	19♂13	20°R53	24°R43	25♂28	2♂51	9♂15	F 1
S 2	4 39 51	8°59'30	21°46	19° 6	24°18	18°33	0°39	7°51	7°17	19°15	20♂53	24°D42	25°25	2°58	9°15	S 2
S 3	4 43 48	10° 0'25	4♂35	20°19	25° 6	18°44	0°50	7°56	7°20	19°17	20°53	24♂42	25°22	3° 4	9°16	S 3
M 4	4 47 44	11° 1'21	17° 7	21°34	25°55	18°55	1° 2	8° 1	7°24	19°20	20°53	24°43	25°19	3°11	9°17	M 4
T 5	4 51 41	12° 2'18	29°24	22°52	26°44	19° 7	1°13	8° 6	7°28	19°22	20°53	24°44	25°16	3°18	9°18	T 5
W 6	4 55 38	13° 3'16	11♂28	24°12	27°34	19°19	1°24	8°11	7°31	19°24	20°D53	24°45	25°12	3°24	9°19	W 6
T 7	4 59 34	14° 4'14	23°24	25°33	28°25	19°32	1°36	8°16	7°35	19°26	20°53	24°46	25° 9	3°31	9°20	T 7
F 8	5 3 31	15° 5'13	5♂16	26°56	29°17	19°46	1°47	8°21	7°39	19°29	20°53	24°47	25° 6	3°38	9°21	F 8
S 9	5 7 27	16° 6'12	17° 9	28°20	0♂10	20° 0	1°58	8°26	7°42	19°31	20°53	24°R47	25° 3	3°45	9°22	S 9
S 10	5 11 24	17° 7'12	29° 7	29°45	1° 3	20°15	2° 9	8°32	7°46	19°33	20°53	24°47	25° 0	3°51	9°23	S 10
M 11	5 15 20	18° 8'13	11♂14	1♂11	1°57	20°30	2°20	8°37	7°50	19°35	20°53	24°47	24°57	3°58	9°24	M 11
T 12	5 19 17	19° 9'14	23°36	2°38	2°52	20°46	2°30	8°43	7°53	19°38	20°53	24°46	24°53	4° 5	9°25	T 12
W 13	5 23 13	20°10'16	6♂15	4° 6	3°47	21° 3	2°41	8°48	7°57	19°40	20°53	24°45	24°50	4°11	9°26	W 13
T 14	5 27 10	21°11'18	19°15	5°34	4°43	21°20	2°52	8°54	8° 1	19°42	20°54	24°45	24°47	4°18	9°28	T 14
F 15	5 31 7	22°12'21	2♂36	7° 3	5°39	21°37	3° 2	8°59	8° 4	19°44	20°54	24°44	24°44	4°25	9°29	F 15
S 16	5 35 3	23°13'24	16°17	8°32	6°36	21°55	3°13	9° 5	8° 8	19°47	20°54	24°44	24°41	4°32	9°30	S 16
S 17	5 39 0	24°14'28	0♂17	10° 2	7°34	22°13	3°23	9°11	8°11	19°49	20°54	24°44	24°38	4°38	9°32	S 17
M 18	5 42 56	25°15'33	14°31	11°32	8°32	22°32	3°34	9°16	8°15	19°51	20°55	24°44	24°34	4°45	9°34	M 18
T 19	5 46 53	26°16'38	28°55	13° 2	9°31	22°52	3°44	9°22	8°19	19°53	20°55	24°44	24°31	4°52	9°35	T 19
W 20	5 50 49	27°17'44	13♂24	14°33	10°30	23°11	3°54	9°28	8°22	19°56	20°55	24°44	24°28	4°58	9°37	W 20
T 21	5 54 46	28°18'51	27°51	16° 4	11°30	23°32	4° 4	9°34	8°26	19°58	20°56	24°44	24°25	5° 5	9°38	T 21
F 22	5 58 43	29°19'58	12♂14	17°36	12°30	23°52	4°14	9°40	8°29	20° 0	20°56	24°43	24°22	5°12	9°40	F 22
S 23	6 2 39	0♂21'06	26°28	19° 7	13°30	24°13	4°24	9°46	8°33	20° 2	20°56	24°D43	24°18	5°19	9°42	S 23
S 24	6 6 36	1°22'14	10♂30	20°39	14°31	24°34	4°34	9°52	8°36	20° 5	20°57	24°43	24°15	5°25	9°44	S 24
M 25	6 10 32	2°23'23	24°21	22°11	15°33	24°56	4°43	9°59	8°40	20° 7	20°57	24°43	24°12	5°32	9°46	M 25
T 26	6 14 29	3°24'33	7♂58	23°44	16°34	25°18	4°53	10° 5	8°43	20° 9	20°58	24°44	24° 9	5°39	9°48	T 26
W 27	6 18 25	4°25'43	21°23	25°17	17°37	25°41	5° 2	10°11	8°46	20°11	20°58	24°45	24° 6	5°46	9°50	W 27
T 28	6 22 22	5°26'54	4♂34	26°50	18°39	26° 4	5°11	10°17	8°50	20°14	20°59	24°46	24° 3	5°52	9°52	T 28
F 29	6 26 18	6°28'05	17°33	28°23	19°42	26°27	5°21	10°24	8°53	20°16	20°59	24°47	23°59	5°59	9°54	F 29
S 30	6 30 15	7°29'17	0♂18	29°57	20°45	26°51	5°30	10°30	8°57	20°18	21° 0	24°R47	23°56	6° 6	9°56	S 30
S 31	6 34 12	8♂30'28	12♂52	1♂31	21♂49	27°15	5♂39	10♂36	9♂ 0	20♂20	21♂ 1	24♂46	23♂53	6♂12	9♂58	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	21s40	20s20	1n27	15s 3	2n14	7s26	1n51	7n16	0n 4	10s36	1n 7	19s 9	0s50	21s28	0n 5	F 1
S 2	21 49	22 56	0 16	15 27	2 9	7 38	1 56	7 22	0 6	10 40	1 7	19 8	0 50	21 28	0 5	S 2
S 3	21 58	24 17	0s54	15 52	2 3	7 50	2 2	7 28	0 8	10 44	1 7	19 7	0 50	21 29	0 5	S 3
M 4	22 7	24 22	2 1	16 18	1 57	8 2	2 7	7 35	0 11	10 48	1 7	19 6	0 50	21 30	0 5	M 4
T 5	22 15	23 14	3 0	16 44	1 50	8 16	2 12	7 41	0 13	10 52	1 7	19 4	0 50	21 30	0 5	T 5
W 6	22 23	21 3	3 51	17 10	1 44	8 29	2 17	7 48	0 15	10 55	1 7	19 3	0 50	21 31	0 5	W 6
T 7	22 31	17 59	4 31	17 36	1 37	8 43	2 22	7 55	0 17	10 59	1 7	19 2	0 50	21 31	0 5	T 7
F 8	22 38	14 13	4 59	18 2	1 30	8 57	2 26	8 2	0 19	11 3	1 7	19 0	0 50	21 32	0 5	F 8
S 9	22 44	9 54	5 14	18 28	1 22	9 12	2 30	8 10	0 22	11 7	1 7	18 59	0 50	21 33	0 4	S 9
S 10	22 50	5 11	5 16	18 54	1 15	9 26	2 34	8 17	0 24	11 10	1 8	18 58	0 50	21 33	0 4	S 10
M 11	22 56	0 13	5 4	19 19	1 7	9 41	2 38	8 25	0 26	11 14	1 8	18 56	0 50	21 34	0 4	M 11
T 12	23 1	4n52	4 38	19 44	1 0	9 57	2 41	8 32	0 27	11 18	1 8	18 55	0 50	21 34	0 4	T 12
W 13	23 6	9 53	3 58	20 8	0 52	10 12	2 45	8 40	0 29	11 21	1 8	18 53	0 50	21 35	0 4	W 13
T 14	23 10	14 36	3 4	20 31	0 45	10 28	2 48	8 48	0 31	11 25	1 8	18 52	0 50	21 36	0 4	T 14
F 15	23 14	18 45	2 0	20 54	0 37	10 44	2 51	8 57	0 33	11 28	1 8	18 50	0 50	21 36	0 4	F 15
S 16	23 17	21 59	0 47	21 15	0 30	11 0	2 53	9 5	0 35	11 32	1 8	18 49	0 51	21 37	0 4	S 16
S 17	23 20	23 58	0n31	21 36	0 22	11 17	2 56	9 13	0 36	11 35	1 8	18 47	0 51	21 37	0 4	S 17
M 18	23 23	24 27	1 48	21 56	0 15	11 33	2 58	9 22	0 38	11 39	1 8	18 46	0 51	21 38	0 4	M 18
T 19	23 25	23 18	2 59	22 15	0 8	11 50	3 0	9 31	0 40	11 42	1 9	18 44	0 51	21 38	0 4	T 19
W 20	23 26	20 37	3 58	22 33	0 1	12 7	3 2	9 39	0 41	11 45	1 9	18 43	0 51	21 39	0 4	W 20
T 21	23 27	16 39	4 43	22 50	0s 6	12 23	3 3	9 48	0 43	11 48	1 9	18 41	0 51	21 40	0 4	T 21
F 22	23 28	11 45	5 10	23 6	0 13	12 40	3 5	9 57	0 44	11 52	1 9	18 40	0 51	21 40	0 4	F 22
S 23	23 28	6 15	5 17	23 21	0 20	12 57	3 6	10 6	0 46	11 55	1 9	18 38	0 51	21 41	0 4	S 23
S 24	23 27	0 31	5 5	23 35	0 27	13 14	3 7	10 16	0 47	11 58	1 9	18 36	0 51	21 41	0 4	S 24
M 25	23 26	5s10	4 36	23 48	0 34	13 31	3 8	10 25	0 48	12 1	1 9	18 35	0 51	21 42	0 4	M 25
T 26	23 25	10 32	3 51	23 59	0 40	13 48	3 9	10 34	0 50	12 4	1 9	18 33	0 51	21 42	0 4	T 26
W 27	23 23	15 19	2 55	24 9	0 46	14 4	3 9	10 44	0 51	12 7	1 10	18 31	0 51	21 43	0 4	W 27
T 28	23 21	19 17	1 50	24 18	0 53	14 21	3 10	10 53	0 52	12 10	1 10	18 30	0 51	21 43	0 4	T 28
F 29	23 18	22 13	0 40	24 26	0 59	14 38	3 10	11 3	0 54	12 13	1 10	18 28	0 51	21 44	0 4	F 29
S 30	23 15	23 58	0s31	24 32	1 4	14 54	3 10	11 13	0 55	12 16	1 10	18 26	0 51	21 44	0 4	S 30
S 31	23s11	24s28	1s38	24s37	1s10	15s11	3n10	11n22	0n56	12s19	1n10	18s25	0s51	21s45	0n 4	S 31

Julian Day Number = 2384308.5, Delta T = 16.34 sec  
 Ecliptic obliquity = 23°27'48, Nutation = - 0°00'18, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 22°10'12, Lahiri = 21°17'12