



# Astrodienst Ephemeris Tables for the year 1831

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 1831

### geocentric

**JANUARY 1831**

00:00 UT

Day	Sid.t	☉	☽	♈	♀	♊	♈	♏	♏	♏	♏	♏	♏	♏	♏	♏	Day
S 1	6 39 36	9°53'22	11°14'46	25°32'32	12°28'28	16°49' 5	25°38'10	1°18'26	8°54'47	22°38' 1	7°49'35	2°19' 7	3°40'42	16°44'42	7°19' 7	S 1	
S 2	6 43 32	10°54'31	25°16'	27° 4'	13°44'	16°37'	25°24'	1°40'24	8°50'	22° 3'	7°36'	2°40' 5	3°39'	16°49'	7°18' 6	S 2	
M 3	6 47 29	11°55'40	8°40'20	28°34'	14°59'	17°10'	25°38'	1°22'	8°53'	22° 6'	7°36'	2°10' 5	3°36'	16°56'	7° 5' 5	M 3	
T 4	6 51 25	12°56'49	21° 0'	0°53' 3	16°15'	17°43'	25°52'	1°19'	8°57'	22° 8'	7°36'	2° 6'	3°32'	17° 3'	7° 5' 5	T 4	
W 5	6 55 22	13°57'58	3°52'1	1°30'	17°30'	18°15'	26° 6'	1°17'	9° 0'	22°10'	7°36'	2° 7'	3°29'	17° 9'	7° 4' 4	W 5	
T 6	6 59 18	14°59'07	15°26'	2°54'	18°45'	18°48'	26°20'	1°15'	9° 3'	22°12'	7°37'	2°18' 8	3°26'	17°16'	7° 3' 3	T 6	
F 7	7 3 15	16° 0'17	27°22'	4°16'	20° 1'	19°22'	26°34'	1°12'	9° 6'	22°15'	7°37'	2° 7'	3°23'	17°23'	7° 2' 2	F 7	
S 8	7 7 11	17° 1'27	9°41'13	5°34'	21°16'	19°55'	26°48'	1° 9'	9°10'	22°17'	7°37'	2° 4'	3°20'	17°29'	7° 2'	S 8	
S 9	7 11 8	18° 2'36	21° 4'	6°48'	22°32'	20°28'	27° 2'	1° 6'	9°13'	22°19'	7°38'	1°59'	3°17'	17°36'	7° 1'	S 9	
M10	7 15 4	19° 3'46	3°47' 0	7°58'	23°47'	21° 2'	27°16'	1° 4'	9°16'	22°21'	7°38'	1°53'	3°13'	17°43'	7° 1'	M10	
T11	7 19 1	20° 4'55	15° 3'	9° 2'	25° 3'	21°35'	27°30'	1° 1'	9°20'	22°24'	7°39'	1°45'	3°10'	17°50'	7° 0'	T11	
W12	7 22 58	21° 6'04	27°15'	10° 1'	26°18'	22° 9'	27°44'	0°57'	9°23'	22°26'	7°39'	1°37'	3° 7'	17°56'	7° 0'	W12	
T13	7 26 54	22° 7'13	9°34'0	10°52'	27°34'	22°43'	27°59'	0°54'	9°26'	22°28'	7°40'	1°29'	3° 4'	18° 3'	7° 0'	T13	
F14	7 30 51	23° 8'22	22°16'	11°35'	28°49'	23°17'	28°13'	0°51'	9°30'	22°30'	7°40'	1°23'	3° 1'	18°10'	7° 0'	F14	
S15	7 34 47	24° 9'30	5°55' 6	12°10'	0°55' 4	23°51'	28°27'	0°48'	9°33'	22°33'	7°41'	1°18'	2°57'	18°17'	6°59'	S15	
S16	7 38 44	25°10'37	18° 7'	12°35'	1°20'	24°25'	28°41'	0°44'	9°37'	22°35'	7°41'	1°15'	2°54'	18°23'	6°59'	S16	
M17	7 42 40	26°11'44	1°41'20	12°50'	2°35'	24°59'	28°55'	0°41'	9°40'	22°37'	7°42'	1°10'15	2°51'	18°30'	6°10'59	M17	
T18	7 46 37	27°12'50	14°45'	12°15'54	3°51'	25°34'	29° 9'	0°37'	9°43'	22°40'	7°42'	1°15'	2°48'	18°37'	6°59'	T18	
W19	7 50 34	28°13'55	28°20'	12°46'	5° 6'	26° 8'	29°24'	0°34'	9°47'	22°42'	7°43'	1°17'	2°45'	18°43'	7° 0'	W19	
T20	7 54 30	29°14'59	12°49'	12°27'	6°21'	26°43'	29°38'	0°30'	9°50'	22°44'	7°44'	1°18'	2°42'	18°50'	7° 0'	T20	
F21	7 58 27	0°55'16'02	26° 5'	11°56'	7°37'	27°18'	29°52'	0°26'	9°54'	22°46'	7°44'	1°18'19	2°38'	18°57'	7° 0'	F21	
S22	8 2 23	1°17'04	10°18'13	11°14'	8°52'	27°52'	0°55' 6	0°22'	9°57'	22°49'	7°45'	1°19'	2°35'	19° 4'	7° 0'	S22	
S23	8 6 20	2°18'05	24°30'	10°22'	10° 7'	28°27'	0°20'	0°18'	10° 1'	22°51'	7°46'	1°17'	2°32'	19°10'	7° 1'	S23	
M24	8 10 16	3°19'05	8°11'53	9°22'	11°23'	29° 2'	0°34'	0°14'	10° 4'	22°53'	7°46'	1°14'	2°29'	19°17'	7° 1'	M24	
T25	8 14 13	4°20'04	23°18'	8°15'	12°38'	29°37'	0°49'	0°10'	10° 8'	22°55'	7°47'	1°11'	2°26'	19°24'	7° 2'	T25	
W26	8 18 9	5°21'02	7°54'0	7° 3'	13°53'	0°18'12	1° 3'	0° 6'	10°11'	22°58'	7°48'	1° 7'	2°23'	19°30'	7° 2'	W26	
T27	8 22 6	6°21'59	21°54'	5°48'	15° 8'	0°47'	1°17'	0° 2'	10°15'	23° 0'	7°49'	1° 3'	2°19'	19°37'	7° 3'	T27	
F28	8 26 3	7°22'54	5°12'54	4°33'	16°24'	1°23'	1°31'	29°12'58	10°18'	23° 2'	7°49'	1° 0'	2°16'	19°44'	7° 3'	F28	
S29	8 29 59	8°23'49	19°36'	3°19'	17°39'	1°58'	1°45'	29°53'	10°22'	23° 4'	7°50'	0°59'	2°13'	19°51'	7° 4'	S29	
S30	8 33 56	9°24'42	2°40'59	2° 9'	18°54'	2°33'	1°59'	29°49'	10°25'	23° 7'	7°51'	0°12'58	2°10'	19°57'	7° 5'	S30	
M31	8 37 52	10°25'35	16°40' 0	1°55' 4	20°55' 9	3°18' 9	2°55'13	29°12'45	10°25'29	23° 8' 9	7°52'	0°40'59	2°40' 7	20°12' 4	7°18' 6	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	23s 5	15n34	1s47	23s 0	1s59	23s37	0s44	6n42	0n24	21s29	0s22	12n23	1n31	18s41	0s37	21s 9	0n31	12s32	16s56	10n44	10n10	12s 7	12n29	1s30	
S 2	23 1	12 32	0 37	22 38	1 55	23 31	0 47	6 56	0 26	21 26	0 22	12 24	1 31	18 40	0 37	21 8	0 31	12 31	16 56	10 45	10 11	12 9	12 29	1 30	
M 3	22 55	8 58	0n34	22 15	1 50	23 25	0 49	7 10	0 27	21 24	0 22	12 25	1 31	18 39	0 37	21 8	0 31	12 31	16 55	10 45	10 12	12 11	12 29	1 30	
T 4	22 50	5 6	1 40	21 51	1 44	23 18	0 51	7 23	0 28	21 21	0 22	12 26	1 32	18 38	0 37	21 8	0 31	12 30	16 55	10 44	10 13	12 12	12 28	1 30	
W 5	22 44	1 7	2 40	21 25	1 37	23 11	0 52	7 37	0 39	21 19	0 22	12 27	1 32	18 37	0 37	21 7	0 31	12 30	16 55	10 44	10 14	12 14	12 28	1 30	
T 6	22 37	2s49	3 32	20 59	1 30	23 3	0 54	7 51	0 31	21 16	0 22	12 29	1 32	18 36	0 37	21 7	0 31	12 29	16 54	10 43	10 15	12 15	12 28	1 30	
F 7	22 30	6 35	4 14	20 32	1 21	22 54	0 56	8 4	0 32	21 14	0 23	12 30	1 32	18 35	0 37	21 7	0 31	12 29	16 54	10 44	10 16	12 17	12 28	1 30	
S 8	22 22	10 5	4 45	20 4	1 12	22 44	0 58	8 18	0 33	21 11	0 23	12 31	1 32	18 35	0 37	21 6	0 31	12 28	16 53	10 45	10 18	12 19	12 28	1 30	
S 9	22 14	13 10	5 3	19 35	1 2	22 33	1 0	8 32	0 34	21 8	0 23	12 32	1 33	18 34	0 37	21 6	0 31	12 28	16 53	10 47	10 19	12 20	12 27	1 30	
M10	22 6	15 44	5 9	19 6	0 51	22 22	1 2	8 45	0 35	21 6	0 23	12 33	1 33	18 33	0 37	21 5	0 31	12 28	16 53	10 49	10 20	12 22	12 27	1 30	
T11	21 57	17 38	5 0	18 38	0 38	22 11	1 3	8 59	0 36	21 3	0 23	12 34	1 33	18 32	0 37	21 5	0 31	12 27	16 52	10 52	10 21	12 23	12 27	1 30	
W12	21 48	18 47	4 39	18 9	0 25	21 58	1 5	9 13	0 37	21 0	0 23	12 36	1 33	18 31	0 37	21 5	0 31	12 27	16 52	10 55	10 22	12 25	12 27	1 30	
T13	21 38	19 4	4 3	17 42	0 11	21 45	1 7	9 26	0 38	20 58	0 23	12 37	1 34	18 30	0 37	21 4	0 31	12 26	16 52	10 57	10 23	12 27	12 27	1 30	
F14	21 28	18 24	3 16	17 15	0n 4	21 31	1 8	9 40	0 39	20 55	0 23	12 38	1 34	18 29	0 37	21 4	0 31	12 25	16 51	11 0	10 24	12 28	12 27	1 30	
S15	21 18	16 47	2 17	16 50	0 20	21 17	1 10	9 53	0 40	20 52	0 23	12 40	1 34	18 28	0 37	21 4	0 31	12 25	16 51	11 1	10 26	12 30	12 27	1 30	
S16	21 7	14 17	1 11	16 27	0 37	21 2	1 11	10 7	0 41	20 49	0 23	12 41	1 34	18 27	0 37	21 3	0 31	12 24	16 51	11 2	10 27	12 31	12 27	1 30	
M17	20 56	11 1	0s 1	16 6	0 55	20 46	1 13	10 20	0 42	20 46	0 23	12 43	1 34	18 26	0 37	21 3	0 31	12 24	16 50	11 3	10 28	12 33	12 27	1 30	
T18	20 44	7 8	1 13	15 47	1 13	20 30	1 14	10 34	0 43	20 44	0 23	12 44	1 34	18 26	0 37	21 3	0 31	12 23	16 50	11 2	10 29	12 35	12 27	1 30	
W19	20 32	2 50	2 23	15 32	1 31	20 13	1 15	10 47	0 44	20 41	0 24	12 46	1 35	18 25	0 37	21 2	0 31	12 23	16 50	11 2	10 30	12 36	12 27	1 30	
T20	20 19	1n39	3 25	15 20	1 50	19 56	1 16	11 1	0 45	20 38	0 24	12 47	1 35	18 24	0 37	21 2	0 31	12 22	16 49	11 1	10 31	12 38	12 27	1 30	
F21	20 7	6 6	4 16	15 11	2 8	19 38	1 18	11 14	0 46	20 35	0 24	12 49	1 35	18 23	0 37	21 1	0 31	12 22	16 49	11 1	10 33	12 39	12 27	1 30	
S22	19 53	10 16	4 52	15 6	2 25	19 19	1 19	11 27	0 47	20 32	0 24	12 50	1 35	18 22	0 37	21 1	0 31	12 21	16 49	11 1	10 34	12 41	12 27	1 30	
S23	19 40	13 53	5 11	15 4	2 41	19 0	1 20	11 41	0 48	20 29	0 24	12 52	1 35	18 21	0 37	21 1	0 31	12 21	16 48	11 2	10 35	12 43	12 27	1 30	
M24	19 26	16 41	5 10	15 6	2 56	18 41	1 21	11 54	0 49	20 26	0 24	12 53	1 36	18 20	0 37	21 0	0 31	12 20	16 48	11 3	10 36	12 44	12 27	1 30	
T25	19 12	18 27	4 50	15 11	3 8	18 20	1 22	12 7	0 49	20 23	0 24	12 55	1 36	18 19	0 37	21 0	0 31	12 19	16 48	11 4	10 37	12 46	12 27	1 30	
W26	18 57	19 3	4 12	15 19	3 19	18 0	1 23	12 20	0 50	20 20	0 24	12 56	1 36	18 18	0 37	21 0	0 31	12 19	16 47	11 5	10 38	12 47	12 28	1 30	
T27	18 42	18 25	3 18	15 29	3 27	17 38	1 24	12 33	0 51	20 17	0 24	12 58	1 36	18 17	0 37	20 59	0 31	12 18	16 47	11 7	10 39	12 49	12 28	1 30	
F28	18 26	16 39	2 14	15 41	3 33	17 17	1 24	12 46	0 52	20 11	0 24	13 0	1 36	18 16	0 37	20 59	0 31	12 18	16 47	11 8	10 40	12 51	12 28	1 30	
S29	18 11	13 58	1 2	15 55	3 37	16 54	1 25	12 59	0 52	20 14	0 25	13 1	1 37	18 15	0 37	20 59	0 31	12 17	16 46	11 8	10 42	12 52	12 28	1 30	
S30	17 55	10 35	0n11	16 10	3 37	16 32	1 26	13 12	0 53	20 8	0 25	13 3	1 37	18 14	0 37	20 58	0 31	12 16	16 46	11 8	10 43	12 54	12 29	1 30	
M31	17s38	6n47	1n22	16s25	3n36	16s 9	1s26	13n25	0n54	20s 5	0s25	13n 5	1n37	18s13	0s37	20s58	0n31	12s16	16s46	11n 8	10n44	12s55	12n29	1s30	

Julian Day Number = 2389818.5, Delta T = 10.10 sec

Ecliptic obliquity =  $23^{\circ}27'32''$ , Nutation =  $-0^{\circ}00'07''$ , out-of-bounds declination in red

Avanamsha: Fagan/Bradley = 22°22'50, Lahiri = 21°29'50

# ASTRODIENST EPHEMERIS for the year 1831

## geocentric

FEBRUARY 1831

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 41 49	11°26'27"	28°42'	0°R 6	21°25'	3°44'	2°28'	29°R40	10°32'	23°11'	7°53'	1°0'	2°3'	20°11'	7°7'	T 1
W 2	8 45 45	12°27'18"	11°5'	29°16'	22°40'	4°20'	2°42'	29°136	10°36'	23°13'	7°54'	1°2'	2°0'	20°17'	7°8'	W 2
T 3	8 49 42	13°28'08"	23°14'	28°33'	23°55'	4°55'	2°56'	29°31'	10°39'	23°15'	7°55'	1°3'	1°57'	20°24'	7°9'	T 3
F 4	8 53 38	14°28'57"	5°13'	27°59'	25°10'	5°31'	3°10'	29°26'	10°43'	23°17'	7°56'	1°4'	1°54'	20°31'	7°10'	F 4
S 5	8 57 35	15°29'45"	17°6'	27°33'	26°25'	6°7'	3°24'	29°22'	10°46'	23°20'	7°57'	1°R 4	1°51'	20°38'	7°11'	S 5
S 6	9 1 31	16°30'32"	28°58'	27°16'	27°40'	6°43'	3°38'	29°17'	10°50'	23°22'	7°58'	1°4'	1°48'	20°44'	7°12'	S 6
M 7	9 5 28	17°31'18"	10°55'	27°7'	28°56'	7°18'	3°52'	29°13'	10°53'	23°24'	7°59'	1°3'	1°44'	20°51'	7°14'	M 7
T 8	9 9 25	18°32'03"	23°0'	27°D 5	0°11'	7°54'	4°6'	29°8'	10°57'	23°26'	8°0'	1°1'	1°41'	20°58'	7°15'	T 8
W 9	9 13 21	19°32'47"	5°16'	27°10'	1°26'	8°30'	4°20'	29°3'	11°0'	23°28'	8°1'	1°0'	1°38'	21°5'	7°16'	W 9
T 10	9 17 18	20°33'30"	17°48'	27°22'	2°41'	9°6'	4°34'	28°58'	11°3'	23°30'	8°2'	0°58'	1°35'	21°11'	7°18'	T 10
F 11	9 21 14	21°34'12"	0°37'	27°41'	3°56'	9°42'	4°48'	28°54'	11°7'	23°32'	8°3'	0°57'	1°32'	21°18'	7°19'	F 11
S 12	9 25 11	22°34'52"	13°43'	28°5'	5°11'	10°19'	5°2'	28°49'	11°10'	23°34'	8°4'	0°56'	1°29'	21°25'	7°21'	S 12
S 13	9 29 7	23°35'31"	27°7'	28°35'	6°26'	10°55'	5°15'	28°44'	11°14'	23°36'	8°5'	0°D55	1°25'	21°31'	7°22'	S 13
M14	9 33 4	24°36'08"	10°46'	29°9'	7°41'	11°31'	5°29'	28°39'	11°17'	23°38'	8°6'	0°56'	1°22'	21°38'	7°24'	M14
T 15	9 37 0	25°36'44"	24°38'	29°48'	8°56'	12°7'	5°43'	28°34'	11°21'	23°40'	8°7'	0°56'	1°19'	21°45'	7°26'	T 15
W16	9 40 57	26°37'18"	8°41'	0°32'	10°11'	12°44'	5°57'	28°29'	11°24'	23°42'	8°8'	0°56'	1°16'	21°52'	7°28'	W16
T 17	9 44 54	27°37'51"	22°50'	1°19'	11°26'	13°20'	6°11'	28°24'	11°28'	23°44'	8°9'	0°57'	1°13'	21°58'	7°30'	T 17
F 18	9 48 50	28°38'21"	7°8'	2°10'	12°41'	13°56'	6°24'	28°20'	11°31'	23°46'	8°10'	0°57'	1°9'	22°5'	7°31'	F 18
S 19	9 52 47	29°38'50"	21°17'	3°3'	13°56'	14°33'	6°38'	28°15'	11°34'	23°48'	8°12'	0°57'	1°6'	22°12'	7°33'	S 19
S 20	9 56 43	0°39'17"	5°12'29	4°0'	15°10'	15°9'	6°52'	28°10'	11°38'	23°50'	8°13'	0°57'	1°3'	22°18'	7°35'	S 20
M21	10 0 40	1°39'41"	19°36'	5°0'	16°25'	15°46'	7°5'	28°5'	11°41'	23°52'	8°14'	0°57'	1°0'	22°25'	7°38'	M21
T 22	10 4 36	2°40'04"	3°38'	6°3'	17°40'	16°22'	7°19'	28°0'	11°44'	23°54'	8°15'	0°57'	0°57'	22°32'	7°40'	T 22
W23	10 8 33	3°40'25"	17°32'	7°7'	18°55'	16°59'	7°32'	27°55'	11°48'	23°56'	8°16'	0°57'	0°54'	22°39'	7°42'	W23
T 24	10 12 29	4°40'44"	1°12'	8°14'	20°10'	17°35'	7°46'	27°51'	11°51'	23°58'	8°18'	0°58'	0°50'	22°45'	7°44'	T 24
F 25	10 16 26	5°41'02"	14°47'	9°24'	21°24'	18°12'	7°59'	27°46'	11°54'	24°0'	8°19'	0°58'	0°47'	22°52'	7°46'	F 25
S 26	10 20 23	6°41'17"	28°5'	10°35'	22°39'	18°49'	8°12'	27°41'	11°57'	24°1'	8°20'	0°R58	0°44'	22°59'	7°49'	S 26
S 27	10 24 19	7°41'30"	11°9'	11°48'	23°54'	19°25'	8°26'	27°36'	12°1'	24°3'	8°21'	0°58'	0°41'	23°6'	7°51'	S 27
M28	10 28 16	8°41'42"	23°58'	13°3'	25°8'	20°8'	8°39'	27°132	12°4'	24°5'	8°23'	0°58'	0°38'	23°12'	7°54'	M28

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	
T 1	17s22	2n46	2n27	16s41	3n33	15s45	1s27	13n38	0n55	20s 2	0s25	13n 7	1n37	18s12	0s37	T 1
W 2	17 5	1s16	3 24	16 56	3 27	15 21	1 27	13 51	0 55	19 59	0 25	13 8	1 37	18 11	0 37	W 2
T 3	16 48	5 10	4 10	17 12	3 20	14 56	1 28	14 3	0 56	19 56	0 25	13 10	1 37	18 11	0 37	T 3
F 4	16 30	8 48	4 45	17 27	3 12	14 32	1 28	14 16	0 57	19 52	0 25	13 12	1 37	18 10	0 37	F 4
S 5	16 12	12 3	5 7	17 41	3 3	14 6	1 28	14 28	0 57	19 49	0 25	13 13	1 37	18 9	0 37	S 5
S 6	15 54	14 48	5 16	17 54	2 52	13 41	1 29	14 41	0 58	19 46	0 25	13 15	1 38	18 8	0 37	S 6
M 7	15 36	16 57	5 11	18 7	2 42	13 15	1 29	14 53	0 59	19 43	0 25	13 17	1 38	18 7	0 37	M 7
T 8	15 17	18 24	4 53	18 18	2 30	12 48	1 29	15 5	0 59	19 40	0 26	13 19	1 38	18 6	0 37	T 8
W 9	14 58	19 0	4 22	18 29	2 18	12 22	1 29	15 18	1 0	19 36	0 26	13 21	1 38	18 5	0 37	W 9
T 10	14 39	18 42	3 37	18 38	2 6	11 55	1 29	15 30	1 0	19 33	0 26	13 22	1 38	18 4	0 37	T 10
F 11	14 20	17 26	2 40	18 46	1 54	11 27	1 29	15 42	1 1	19 30	0 26	13 24	1 38	18 3	0 37	F 11
S 12	14 0	15 13	1 34	18 53	1 42	11 0	1 29	15 54	1 2	19 27	0 26	13 26	1 38	18 2	0 37	S 12
S 13	13 40	12 9	0 21	18 59	1 30	10 32	1 28	16 6	1 2	19 24	0 26	13 28	1 38	18 1	0 37	S 13
M14	13 20	8 22	0s54	19 4	1 18	10 3	1 28	16 18	1 3	19 20	0 26	13 29	1 38	18 0	0 37	M14
T 15	13 0	4 5	2 8	19 7	1 7	9 35	1 28	16 29	1 3	19 17	0 26	13 31	1 39	17 59	0 37	T 15
W16	12 39	0n28	3 14	19 9	0 55	9 6	1 27	16 41	1 4	19 14	0 26	13 33	1 39	17 58	0 37	W16
T 17	12 18	5 1	4 10	19 10	0 44	8 37	1 27	16 52	1 4	19 10	0 27	13 35	1 39	17 57	0 37	T 17
F 18	11 57	9 18	4 50	19 10	0 33	8 8	1 26	17 4	1 5	19 7	0 27	13 37	1 39	17 56	0 37	F 18
S 19	11 36	13 4	5 13	19 8	0 22	7 39	1 25	17 15	1 5	19 4	0 27	13 38	1 39	17 55	0 37	S 19
S 20	11 15	16 3	5 16	19 5	0 11	7 9	1 25	17 26	1 6	19 0	0 27	13 40	1 39	17 55	0 37	S 20
M21	10 54	18 3	5 1	19 1	0 1	6 39	1 24	17 37	1 6	18 57	0 27	13 42	1 39	17 54	0 37	M21
T 22	10 32	18 57	4 27	18 55	0s 9	6 9	1 23	17 48	1 6	18 54	0 27	13 44	1 39	17 53	0 37	T 22
W23	10 10	18 42	3 38	18 48	0 18	5 39	1 22	17 59	1 7	18 50	0 27	13 45	1 39	17 52	0 37	W23
T 24	9 48	17 20	2 38	18 40	0 27	5 9	1 21	18 10	1 7	18 47	0 27	13 47	1 39	17 51	0 37	T 24
F 25	9 26	15 0	1 29	18 30	0 36	4 38	1 20	18 21	1 8	18 44	0 28	13 49	1 39	17 50	0 37	F 25
S 26	9 4	11 54	0 16	18 19	0 45	4 8	1 19	18 31	1 8	18 40	0 28	13 51	1 39	17 49	0 37	S 26
S 27	8 41	8 15	0n56	18 7	0 53	3 37	1 18	18 42	1 9	18 37	0 28	13 52	1 39	17 48	0 37	S 27
M28	8s19	4n18	2n 4	17s53	1s 1	3s 6	1s17	18n52	1n 9	18s34	0s28	13n54	1n40	17s47	0s37	M28

Julian Day Number = 2389849.5, Delta T = 10.06 sec

Ecliptic obliquity = 23°27'32", Nutation = - 0°00'07", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°22'54", Lahiri = 21°29'54"

# ASTRODIENST EPHEMERIS for the year 1831

## geocentric

MARCH 1831

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	10 32 12	9°41'52	6°23'33	14°19'19	26°42'23	20°08'39	8°55'22	27°02'27	12°00'07	24°08'07	8°02'24	0°05'57	0°00'34	23°00'19	7°08'56	T 1
W 2	10 36 09	10°42'00	18°05'53	15°03'37	27°03'37	21°01'15	9°05'52	27°02'22	12°01'10	24°08'08	8°02'25	0°00'55	0°03'31	23°02'26	7°05'59	W 2
T 3	10 40 05	11°42'06	1°00'11	16°05'57	28°05'52	21°02'52	9°01'18	27°01'18	12°01'13	24°08'10	8°02'27	0°00'54	0°02'28	23°03'32	8°01'15	T 3
F 4	10 44 02	12°42'11	13°01'18	18°05'18	0°00'06	22°02'29	9°03'31	27°01'13	12°01'17	24°08'12	8°02'28	0°00'52	0°02'25	23°03'39	8°04'15	F 4
S 5	10 47 58	13°42'15	24°05'55	19°04'41	1°02'21	23°03'06	9°04'44	27°00'08	12°02'20	24°08'13	8°02'29	0°00'51	0°02'22	23°04'46	8°06'15	S 5
S 6	10 51 55	14°42'16	6°00'48	21°05'25	2°03'35	23°04'43	9°05'57	27°00'04	12°02'23	24°08'15	8°03'31	0°00'50	0°02'19	23°05'53	8°09'15	S 6
M 7	10 55 52	15°42'16	18°04'44	22°03'30	3°05'50	24°02'20	10°01'10	26°05'59	12°02'26	24°08'17	8°03'32	0°00'50	0°02'15	23°06'59	8°12'15	M 7
T 8	10 59 48	16°42'15	0°03'47	23°05'57	5°04'42	24°05'56	10°02'23	26°05'55	12°02'29	24°08'18	8°03'33	0°00'51	0°02'12	24°07'06	8°15'15	T 8
W 9	11 03 45	17°42'12	13°03'47	25°05'57	6°01'19	25°03'33	10°03'36	26°05'51	12°03'32	24°08'20	8°03'35	0°00'52	0°02'09	24°08'13	8°18'15	W 9
T 10	11 07 41	18°42'07	25°03'36	26°05'54	7°03'33	26°01'10	10°04'49	26°04'46	12°03'35	24°08'21	8°03'36	0°00'53	0°02'06	24°09'19	8°21'10	T 10
F 11	11 11 38	19°42'00	8°00'29	28°02'25	8°04'47	26°04'47	11°01'11	26°04'42	12°03'38	24°08'23	8°03'38	0°00'55	0°02'03	24°10'26	8°24'15	F 11
S 12	11 15 34	20°41'52	21°04'45	29°05'57	10°02'27	27°02'24	11°01'14	26°03'38	12°04'41	24°08'24	8°03'39	0°00'56	29°00'59	24°11'33	8°27'15	S 12
S 13	11 19 31	21°41'42	5°00'24	1°00'30	11°01'16	28°01'28	11°02'26	26°03'34	12°04'44	24°08'26	8°04'40	0°00'56	29°01'56	24°12'40	8°30'25	S 13
M14	11 23 27	22°41'29	19°04'24	3°04'42	12°03'30	28°03'38	11°03'39	26°02'29	12°04'47	24°08'27	8°04'42	0°00'55	29°02'53	24°13'46	8°33'25	M14
T 15	11 27 24	23°41'15	3°00'43	4°04'40	13°04'44	29°01'15	11°05'51	26°02'25	12°05'50	24°08'28	8°04'43	0°00'53	29°03'50	24°14'53	8°36'25	T 15
W16	11 31 21	24°40'59	18°05'15	6°01'17	14°05'58	29°02'52	12°03'36	26°02'21	12°05'52	24°08'30	8°04'45	0°00'50	29°04'47	25°00'00	8°39'25	W16
T 17	11 35 17	25°40'41	2°00'53	7°05'55	16°06'13	0°00'29	12°05'15	26°01'17	12°05'55	24°08'31	8°04'46	0°00'46	29°05'44	25°01'07	8°42'25	T 17
F 18	11 39 14	26°40'20	17°03'31	9°04'42	17°02'27	1°06'46	12°05'28	26°01'14	12°05'58	24°08'32	8°04'47	0°00'43	29°06'40	25°02'13	8°45'25	F 18
S 19	11 43 10	27°39'58	2°00'33	11°04'41	18°04'41	1°44'44	12°06'40	26°01'10	13°01'13	24°08'34	8°04'49	0°00'40	29°07'37	25°03'20	8°48'25	S 19
S 20	11 47 07	28°39'33	16°04'24	12°05'56	19°05'55	2°02'21	12°07'52	26°00'06	13°03'33	24°08'35	8°05'50	0°00'38	29°08'34	25°04'27	8°51'25	S 20
M21	11 51 03	29°39'05	0°00'30	14°03'39	21°06'09	2°58'13	13°04'26	26°00'02	13°06'06	24°08'36	8°05'52	0°00'38	29°09'31	25°05'33	8°54'25	M21
T 22	11 55 00	0°00'38	14°02'21	16°04'24	22°02'23	3°03'35	13°05'15	25°05'59	13°09'09	24°08'37	8°05'53	0°00'38	29°10'28	25°06'40	8°57'25	T 22
W23	11 58 56	1°03'04	27°05'17	18°05'09	23°03'37	4°02'12	13°06'27	25°05'55	13°11'11	24°08'39	8°05'55	0°00'40	29°11'25	25°07'47	9°00'25	W23
T 24	12 02 53	2°03'29	11°00'18	19°05'56	24°04'49	5°04'49	13°07'39	25°05'52	13°16'14	24°08'40	8°05'56	0°00'41	29°12'21	25°08'54	9°03'25	T 24
F 25	12 06 49	3°03'52	24°02'25	21°04'44	26°04'50	5°52'26	13°08'50	25°04'49	13°16'16	24°08'41	8°05'58	0°00'42	29°13'18	26°00'00	9°06'25	F 25
S 26	12 10 46	4°03'14	7°00'19	23°03'34	27°01'18	6°04'42	14°02'25	25°04'45	13°19'19	24°08'42	8°05'59	0°00'42	29°14'15	26°01'07	9°09'25	S 26
S 27	12 14 43	5°03'32	20°02'25	25°02'25	28°03'32	6°04'41	14°03'13	25°04'42	13°21'21	24°08'43	9°00'00	0°00'41	29°15'12	26°02'14	9°12'25	S 27
M28	12 18 39	6°03'49	2°00'24	27°01'17	29°04'55	7°01'18	14°04'24	25°03'39	13°24'24	24°08'44	9°00'02	0°00'37	29°16'09	26°03'20	9°15'25	M28
T 29	12 22 36	7°04'04	14°05'55	29°01'11	0°00'59	7°55'15	14°05'36	25°03'36	13°26'26	24°08'45	9°00'03	0°00'32	29°17'05	26°04'27	9°18'25	T 29
W30	12 26 32	8°03'16	27°00'07	1°00'06	2°01'13	8°32'14	14°06'47	25°03'33	13°29'29	24°08'46	9°00'05	0°00'26	29°18'02	26°05'34	9°21'25	W30
T 31	12 30 29	9°02'27	9°00'11	3°00'02	3°00'26	9°00'09	14°08'58	25°02'30	13°33'31	24°08'47	9°00'06	0°00'18	29°19'08	26°06'41	9°24'30	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
T 1	7s56	0n14	3n 5	17s38	1s 8	2s36	1s15	19n 3	1n 9	18s30	0s28	13n56	1n40	17s46	0s37	20s48	0n31	11s57	16s39	11n 9	11n17	13s40	12n45	1s30	
W 2	7 34	3s46	3 55	17 22	1 15	2 5	1 14	19 13	1 10	18 27	0 28	13 57	1 40	17 46	0 38	20 48	0 31	11 56	16 39	11 9	11 18	13 42	12 46	1 30	
T 3	7 11	7 33	4 34	17 4	1 22	1 34	1 13	19 23	1 10	18 24	0 28	13 59	1 40	17 45	0 38	20 47	0 31	11 56	16 38	11 10	11 19	13 43	12 47	1 30	
F 4	6 48	10 58	5 1	16 45	1 28	1 3	1 11	19 32	1 10	18 20	0 28	14 1	1 40	17 44	0 38	20 47	0 31	11 55	16 38	11 10	11 20	13 45	12 48	1 30	
S 5	6 25	13 55	5 15	16 25	1 34	0 32	1 10	19 42	1 11	18 17	0 29	14 2	1 40	17 43	0 38	20 47	0 31	11 54	16 38	11 11	11 21	13 46	12 48	1 30	
S 6	6 2	16 18	5 15	16 4	1 40	0 1	1 8	19 52	1 11	18 14	0 29	14 4	1 40	17 42	0 38	20 47	0 31	11 54	16 38	11 11	11 22	13 48	12 49	1 30	
M 7	5 38	17 59	5 1	15 41	1 45	0n30	1 6	20 1	1 11	18 10	0 29	14 5	1 40	17 41	0 38	20 46	0 31	11 53	16 38	11 11	11 23	13 49	12 50	1 30	
T 8	5 15	18 53	4 34	15 17	1 50	1 2	1 5	20 11	1 12	18 7	0 29	14 7	1 40	17 40	0 38	20 46	0 31	11 52	16 38	11 11	11 25	13 51	12 51	1 30	
W 9	4 52	18 56	3 55	14 51	1 54	1 33	1 3	20 20	1 12	18 4	0 29	14 8	1 40	17 40	0 38	20 46	0 31	11 52	16 38	11 11	11 26	13 53	12 52	1 30	
T 10	4 28	18 3	3 3	14 25	1 58	2 4	1 1	20 29	1 12	18 0	0 29	14 10	1 40	17 39	0 38	20 45	0 31	11 51	16 37	11 10	11 27	13 54	12 53	1 30	
F 11	4 5	16 13	2 1	13 57	2 2	2 35	0 59	20 38	1 13	17 57	0 29	14 11	1 40	17 38	0 38	20 45	0 31	11 51	16 37	11 10	11 28	13 56	12 54	1 30	
S 12	3 41	13 28	0 50	13 27	2 5	3 6	0 57	20 47	1 13	17 54	0 30	14 13	1 40	17 37	0 38	20 45	0 31	11 50	16 37	11 9	11 29	13 57	12 55	1 30	
S 13	3 18	9 55	0s25	12 57	2 8	3 37	0 55	20 55	1 13	17 50	0 30	14 14	1 40	17 36	0 38	20 45	0 31	11 49	16 37	11 9	11 30	13 59	12 56	1 30	
M14	2 54	5 44	1 40	12 25	2 11	4 7	0 53	21 4	1 13	17 47	0 30	14 16	1 40	17 36	0 38	20 44	0 31	11 49	16 37	11 9	11 31	14 0	12 57	1 30	
T 15	2 31	1 8	2 51	11 52	2 13	4 38	0 51	21 12	1 14	17 44	0 30	14 17	1 40	17 35	0 38	20 44	0 31	11 48	16 37	11 10	11 32	14 2	12 58	1 30	
W16	2 7	3n35	3 51	11 18	2 14	5 9	0 49	21 21	1 14	17 41	0 30	14 18	1 40	17 34	0 38	20 44	0 31	11 47	16 37	11 11	11 34	14 3	12 59	1 30	
T 17	1 43	8 8	4 37	10 42	2 15	5 39	0 47	21 29	1 14	17 37	0 30	14 20	1 40	17 33	0 38	20 44	0 31	11 47	16 37	11 13	11 35	14 5	13 0	1 30	
F 18	1 19	12 11	5 5	10 5	2 16	6 10	0 45	21 37	1 14	17 34	0 30	14 21	1 40	17 32	0 38	20 43	0 31	11 46	16 37	11 14	11 36	14 6	13 1	1 30	
S 19	0 56	15 28	5 13	9 27	2 16	6 40	0 43	21 45	1 15	17 31	0 31	14 22	1 40	17 32	0 38	20 43	0 31	11 45	16 37	11 15	11 37	14 8	13 2	1 30	
S 20	0 32	17 45	5 2	8 48	2 16	7 10	0 40	21 52	1 15	17 27	0 31	14 23	1 40	17 31	0 38	20 43	0 31	11 45	16 37	11 15	11 38	14 9	13 3	1 30	
M21	0 8	18 55	4 32	8 8	2 15	7 40	0 38	22 0	1 15	17 24	0 31	14 25	1 40	17 30	0 38	20 43	0 31	11 44	16 37	11 16	11 39	14 11	13 4	1 30	
T 22	0n15	18 55	3 47	7 26	2 14	8 10	0 36	22 7	1 15	17 21	0 31	14 26	1 40	17 30	0 38	20 43	0 31	11 44	16 36	11 15	11 40	14 12	13 5	1 30	
W23	0 39	17 49	2 50	6 43	2 13	8 40	0 33	22 14	1 16	17 18	0 31	14 27	1 40	17 29	0 38	20 42	0 31	11 43	16 36	11 15	11 41	14 14	13 6	1 30	
T 24	1 3	15 44	1 44	5 59	2 10	9 9	0 31	22 22	1 16	17 15	0 31	14 28	1 40	17 28	0 38	20 42	0 31	11 42	16 36	11 14	11 42	14 15	13 7	1 30	
F 25	1 26	12 51	0 34	5 14	2 8	9 38	0 28	22 28	1 16	17 11	0 32	14 29	1 40	17 27	0 38	20 42	0 31	11 42	16 36	11 14	11 44	14 17	13 8	1 30	
S 26	1 50	9 23	0n36	4 28	2 5	10 7	0 26	22 35	1 16	17 8	0 32	14 30	1 40	17 27	0 38	20 42	0 31	11 41	16 36	11 14	11 45	14 18	13 9	1 30	
S 27	2 13	5 32	1 43	3 41	2 1	10 36	0 23	22 42	1 16	17 5	0 32	14 31	1 40	17 26	0 38	20 42	0 31	11 41	16 36	11 15	11 46	14 20	13 10	1 30	
M28	2 37	1 30	2 45	2 52	1 57	11 4	0 21	22 48	1 17	17 2	0 32	14 32	1 39	17 25	0 38	20 41	0 31	11 40	16 36	11 16	11 47	14 21	13 11	1 30	
T 29	3 0	2s32	3 37	2 3	1 52	11 33	0 18	22 55	1 17	16 59	0 32	14 33	1 39	17 25	0 38	20 41	0 31	11 40	16 36	11 18	11 48	14 23	13 12	1 30	
W30	3 24	6 25	4 19	1 12	1 47	12 1	0 15	23 1	1 17	16 56	0 32	14 34	1 39	17 24	0 38	20 41	0 31	11 39	16 36	11 20	11 49	14 24	13 13	1 30	
T 31	3n47	10s 0	4n49	0s21	1s41	12n28	0s13	23n 7	1n17	16s53	0s33	14n35	1n39	17s23	0s38	20s41	0n31	11s38	16s36	11n22	11n50	14s25	13n14	1s30	

# ASTRODIENST EPHEMERIS for the year 1831

## geocentric

APRIL 1831

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 34 25	10°31'36	21°11' 9	4°59' 48	9°47' 15	15° 9	25°28' 13	24°33' 24	9° 8	0°R11	28°56' 26	9°33' 9	F 1			
S 2	12 38 22	11°30'43	3° 2	6°58' 5	10°24' 15	20° 25	25°25' 13	24°48' 9	9° 9	0° 4	28°53' 26	9°37' 9	S 2			
S 3	12 42 18	12°29'48	14°54' 8	7° 7	11° 1	15°30' 25	25°23' 13	24°49' 9	9°11	29°59' 28	28°50' 27	9°41' 9	S 3			
M 4	12 46 15	13°28'51	26°48' 10	8°20' 11	11°38' 15	25°20' 13	24°50' 9	24°50' 9	9°12	29°56' 28	28°46' 27	9°44' 9	M 4			
T 5	12 50 12	14°27'53	8°30' 13	9°33' 12	12°16' 15	25°18' 13	24°51' 9	24°51' 9	9°14	29°54' 28	28°43' 27	9°48' 9	T 5			
W 6	12 54 8	15°26'52	21° 3	15° 5	10°47' 12	25°16' 13	24°52' 9	24°52' 9	9°15	29°D54	28°40' 27	9°52' 9	W 6			
T 7	12 58 5	16°25'50	3°32' 17	12° 0	13°30' 16	25°13' 13	24°52' 9	24°52' 9	9°16	29°55' 28	28°37' 27	9°56' 9	T 7			
F 8	13 2 1	17°24'47	16°23' 19	13°13' 14	14° 7	16°22' 25	24°53' 9	24°53' 9	9°18	29°56' 28	28°34' 27	9°59' 9	F 8			
S 9	13 5 58	18°23'41	29°38' 21	14°26' 14	14°45' 16	25° 9	24°54' 9	24°54' 9	9°19	29°R57	28°31' 27	10° 3	S 9			
S 10	13 9 54	19°22'34	13°21' 23	15°39' 15	15°22' 16	25° 8	24°54' 9	24°54' 9	9°21	29°56' 28	28°27' 27	10° 7	S 10			
M11	13 13 51	20°21'24	27°31' 25	16°53' 15	15°59' 16	25° 6	24°54' 9	24°54' 9	9°22	29°53' 28	28°24' 27	10°11	M11			
T 12	13 17 47	21°20'13	12°5' 27	18° 6	16°36' 17	25° 4	24°55' 9	24°55' 9	9°24	29°48' 28	28°21' 28	10°15	T 12			
W13	13 21 44	22°19'00	26°58' 29	19°19' 17	17°14' 17	25° 3	24°55' 9	24°55' 9	9°25	29°41' 28	28°18' 28	10°19	W13			
T 14	13 25 41	23°17'45	12°8' 1	20°32' 17	17°21' 25	25° 1	24°56' 9	24°56' 9	9°27	29°33' 28	28°15' 28	10°23	T 14			
F 15	13 29 37	24°16'28	27° 5	3°51' 21	21°45' 18	25° 0	24°57' 9	24°57' 9	9°28	29°25' 28	28°11' 28	10°26	F 15			
S 16	13 33 34	25°15'09	11°59' 5	22°57' 19	19° 6	17°40' 24	24°57' 9	24°57' 9	9°29	29°17' 28	28° 8	10°30	S 16			
S 17	13 37 30	26°13'48	26°37' 7	24°10' 19	19°43' 17	24°57' 14	24°57' 9	24°57' 9	9°31	29°12' 28	28° 5	10°34	S 17			
M18	13 41 27	27°12'24	10°54' 9	25°23' 20	20°20' 17	24°58' 14	24°58' 9	24°58' 9	9°32	29° 9	28° 2	10°38	M18			
T 19	13 45 23	28°10'58	24°47' 11	26°36' 20	20°58' 18	24°55' 14	24°58' 9	24°58' 9	9°34	29°D 7	27°59' 28	10°42	T 19			
W20	13 49 20	29° 9'30	8°17' 13	27°48' 21	21°35' 18	24°55' 14	24°58' 9	24°58' 9	9°35	29° 8	27°56' 28	10°46	W20			
T 21	13 53 16	0°8'00	21°27' 15	29° 1	22°12' 18	24°54' 14	24°59' 9	24°59' 9	9°36	29° 8	27°52' 29	10°50	T 21			
F 22	13 57 13	1° 6'28	4°19' 17	0°11' 22	22°50' 18	24°53' 14	24°59' 9	24°59' 9	9°38	29°R 8	27°49' 29	10°54	F 22			
S 23	14 1 10	2° 4'53	16°57' 19	1°26' 23	23°27' 18	24°53' 14	24°59' 9	24°59' 9	9°39	29° 7	27°46' 29	10°58	S 23			
S 24	14 5 6	3° 3'16	29°22' 20	2°38' 24	24° 4	18°50' 24	24°52' 14	24°59' 9	9°40	29° 3	27°43' 29	11° 2	S 24			
M25	14 9 3	4° 1'37	11°49' 22	3°51' 24	24°41' 18	24°52' 14	24°59' 9	24°59' 9	9°42	28°56' 27	27°40' 29	11° 6	M25			
T 26	14 12 59	4°59'57	23°48' 4	5° 3	25°19' 19	24°52' 14	24°59' 9	24°59' 9	9°43	28°47' 27	27°37' 29	11°10	T 26			
W27	14 16 56	5°58'14	5°50' 25	6°15' 25	25°56' 19	24°D52' 14	24°59' 9	24°59' 9	9°44	28°36' 27	27°33' 29	11°14	W27			
T 28	14 20 52	6°56'30	17°48' 26	7°27' 26	26°33' 19	24°52' 14	24°59' 9	24°59' 9	9°46	28°23' 27	27°30' 29	11°19	T 28			
F 29	14 24 49	7°54'44	29°43' 28	8°40' 8	27°11' 19	24°52' 14	24°59' 9	24°59' 9	9°47	28°11' 27	27°27' 29	11°23	F 29			
S 30	14 28 45	8°52'57	11°35' 29	9°11' 27	27°48' 19	24°52' 14	24°59' 9	24°59' 9	9°48	27°59' 27	27°24' 29	11°27	S 30			

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	4n10	13s 9	5n 5	0n32	1s35	12n56	0s10	23n12	1n17	16s50	0s33	14n36	1n39	17s23	0s38	20s41	0n31	11s38	16s36	11n25	11n51	14s27	13n15	1s30	
S 2	4 33	15 44	5 9	1 25	1 29	13 23	0 7	23 18	1 17	16 47	0 33	14 37	1 39	17 22	0 38	20 40	0 31	11 37	16 36	11 27	11 52	14 28	13 17	1 30	
S 3	4 57	17 39	4 59	2 19	1 21	13 49	0 5	23 24	1 17	16 44	0 33	14 38	1 39	17 22	0 38	20 40	0 31	11 37	16 36	11 29	11 54	14 30	13 18	1 30	
M 4	5 20	18 49	4 36	3 13	1 14	14 16	0 2	23 29	1 18	16 41	0 33	14 38	1 39	17 21	0 38	20 40	0 31	11 36	16 36	11 30	11 55	14 31	13 19	1 30	
T 5	5 42	19 9	4 1	4 9	1 5	14 42	0n 1	23 34	1 18	16 38	0 33	14 39	1 39	17 20	0 38	20 40	0 31	11 36	16 36	11 31	11 56	14 33	13 20	1 30	
W 6	6 5	18 36	3 14	5 4	0 57	15 8	0 4	23 39	1 18	16 35	0 34	14 40	1 39	17 20	0 38	20 40	0 31	11 35	16 36	11 31	11 57	14 34	13 21	1 30	
T 7	6 28	17 9	2 18	6 1	0 48	15 33	0 6	23 44	1 18	16 32	0 34	14 41	1 39	17 19	0 38	20 40	0 31	11 35	16 36	11 31	11 58	14 36	13 22	1 30	
F 8	6 51	14 47	1 13	6 57	0 38	15 58	0 9	23 48	1 18	16 29	0 34	14 41	1 39	17 19	0 38	20 40	0 31	11 34	16 36	11 30	11 59	14 37	13 23	1 31	
S 9	7 13	11 35	0 2	7 53	0 28	16 23	0 12	23 53	1 18	16 26	0 34	14 42	1 39	17 18	0 39	20 40	0 31	11 34	16 37	11 30	12 0	14 39	13 25	1 31	
S 10	7 35	7 39	1s12	8 50	0 18	16 47	0 15	23 57	1 18	16 23	0 34	14 42	1 39	17 18	0 39	20 39	0 31	11 33	16 37	11 30	12 1	14 40	13 26	1 31	
M11	7 58	3 10	2 23	9 46	0 7	17 11	0 18	24 1	1 18	16 20	0 34	14 43	1 39	17 17	0 39	20 39	0 31	11 33	16 37	11 31	12 2	14 42	13 27	1 31	
T 12	8 20	1n37	3 27	10 41	0n 3	17 34	0 21	24 5	1 18	16 18	0 35	14 43	1 39	17 17	0 39	20 39	0 31	11 32	16 37	11 33	12 3	14 43	13 28	1 31	
W13	8 42	6 24	4 18	11 36	0 14	17 57	0 23	24 9	1 19	16 15	0 35	14 44	1 38	17 16	0 39	20 39	0 31	11 32	16 37	11 36	12 5	14 45	13 29	1 31	
T 14	9 3	10 50	4 52	12 30	0 25	18 19	0 26	24 13	1 19	16 12	0 35	14 44	1 38	17 16	0 39	20 39	0 31	11 31	16 37	11 38	12 6	14 46	13 30	1 31	
F 15	9 25	14 34	5 5	13 23	0 36	18 41	0 29	24 16	1 19	16 9	0 35	14 45	1 38	17 15	0 39	20 39	0 31	11 31	16 37	11 41	12 7	14 47	13 32	1 31	
S 16	9 47	17 19	4 58	14 15	0 47	19 3	0 32	24 19	1 19	16 7	0 35	14 45	1 38	17 15	0 39	20 39	0 31	11 30	16 37	11 44	12 8	14 49	13 33	1 31	
S 17	10 8	18 53	4 32	15 5	0 58	19 24	0 35	24 22	1 19	16 4	0 36	14 45	1 38	17 14	0 39	20 39	0 31	11 30	16 37	11 46	12 9	14 50	13 34	1 31	
M18	10 29	19 13	3 49	15 53	1 9	19 44	0 38	24 25	1 19	16 2	0 36	14 46	1 38	17 14	0 39	20 39	0 31	11 29	16 37	11 47	12 10	14 52	13 35	1 31	
T 19	10 50	18 21	2 53	16 39	1 19	20 4	0 41	24 28	1 19	15 59	0 36	14 46	1 38	17 14	0 39	20 39	0 31	11 29	16 37	11 47	12 11	14 53	13 36	1 31	
W20	11 11	16 27	1 49	17 23	1 29	20 23	0 43	24 30	1 19	15 56	0 36	14 46	1 38	17 13	0 39	20 39	0 31	11 29	16 37	11 47	12 12	14 55	13 37	1 31	
T 21	11 32	13 43	0 41	18 5	1 39	20 42	0 46	24 33	1 19	15 54	0 36	14 46	1 38	17 13	0 39	20 39	0 31	11 28	16 38	11 47	12 13	14 56	13 39	1 31	
F 22	11 52	10 22	0n28	18 45	1 48	21 1	0 49	24 35	1 19	15 52	0 37	14 46	1 38	17 12	0 39	20 38	0 31	11 28	16 38	11 47	12 14	14 58	13 40	1 31	
S 23	12 12	6 36	1 34	19 23	1 57	21 18	0 52	24 37	1 19	15 49	0 37	14 46	1 38	17 12	0 39	20 38	0 31	11 27	16 38	11 48	12 16	14 59	13 41	1 31	
S 24	12 32	2 36	2 34	19 57	2 4	21 36	0 54	24 39	1 19	15 47	0 37	14 46	1 38	17 12	0 39	20 38	0 31	11 27	16 38	11 49	12 17	15 0	13 42	1 31	
M25	12 52	1s27	3 26	20 30	2 12	21 52	0 57	24 40	1 19	15 44	0 37	14 46	1 37	17 11	0 39	20 38	0 31	11 27	16 38	11 51	12 18	15 2	13 43	1 32	
T 26	13 12	5 24	4 8	21 0	2 18	22 8	1 0	24 42	1 19	15 42	0 37	14 46	1 37	17 11	0 39	20 38	0 31	11 26	16 38	11 54	12 19	15 3	13 45	1 32	
W27	13 31	9 6	4 38	21 27	2 24	22 24	1 3	24 43	1 19	15 40	0 38	14 46	1 37	17 11	0 39	20 38	0 31	11 26	16 38	11 58	12 20	15 5	13 46	1 32	
T 28	13 51	12 24	4 56	21 52	2 28	22 39	1 5	24 44	1 19	15 38	0 38	14 46	1 37	17 11	0 39	20 38	0 31	11 25	16 39	12 3	12 21	15 6	13 47	1 32	
F 29	14 10	15 12	5 1	22 14	2 32	22 53	1 8	24 45	1 19	15 35	0 38	14 46	1 37	17 10	0 39	20 38	0 31	11 25	16 39	12 7	12 22	15 8	13 48	1 32	
S 30	14n28	17s21	4n53	22n34	2n35	23n 7	1n11	24n46	1n19	15s33	0s38	14n46	1n37	17s10	0s39	20s38	0n31	11s25	16s39	12n11	12n23	15s 9	13n49	1s32	



ASTRODIENST EPHEMERIS for the year 1831  
geocentric

JUNE 1831

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	16 34 55	9II42'37	8~42	1°R36	17°43	17°43	22~10	25°54	14°R27	24°R41	10°V23	24°R39	25°42	3~38	13°34	W 1
T 2	16 38 52	10°40'04	21°10	1II12	18°52	18°21	22°12	25°58	14~27	24°340	10°24	24°D38	25°39	3°44	13°38	T 2
F 3	16 42 48	11°37'30	3~55	0°50	20° 2	18°58	22°13	26° 2	14°26	24°39	10°25	24°J38	25°36	3°51	13°41	F 3
S 4	16 46 45	12°34'55	17° 2	0°33	21°11	19°35	22°15	26° 5	14°25	24°38	10°26	24°R38	25°33	3°58	13°45	S 4
S 5	16 50 41	13°32'20	0°V34	0°18	22°21	20°13	22°16	26° 9	14°24	24°37	10°27	24°37	25°29	4° 4	13°49	S 5
M 6	16 54 38	14°29'44	14°33	0° 8	23°30	20°50	22°17	26°13	14°24	24°36	10°27	24°34	25°26	4°11	13°52	M 6
T 7	16 58 34	15°27'08	28°59	0° 3	24°39	21°27	22°18	26°17	14°23	24°35	10°28	24°28	25°23	4°18	13°56	T 7
W 8	17 2 31	16°24'31	13~50	0°D 1	25°48	22° 5	22°19	26°21	14°22	24°33	10°29	24°21	25°20	4°25	14° 0	W 8
T 9	17 6 28	17°21'54	28°58	0° 4	26°57	22°42	22°20	26°25	14°21	24°32	10°30	24°12	25°17	4°31	14° 3	T 9
F 10	17 10 24	18°19'16	14II14	0°12	28° 6	23°20	22°20	26°29	14°20	24°31	10°30	24° 2	25°14	4°38	14° 7	F 10
S 11	17 14 21	19°16'37	29°28	0°24	29°15	23°57	22°R20	26°34	14°19	24°30	10°31	23°53	25°10	4°45	14°10	S 11
S 12	17 18 17	20°13'57	14~28	0°41	0°J23	24°34	22°20	26°38	14°18	24°29	10°32	23°46	25° 7	4°51	14°14	S 12
M13	17 22 14	21°11'17	29° 6	1° 2	1°32	25°12	22°20	26°43	14°17	24°27	10°32	23°42	25° 4	4°58	14°17	M13
T 14	17 26 10	22° 8'36	13~16	1°27	2°40	25°49	22°19	26°47	14°16	24°26	10°33	23°39	25° 1	5° 5	14°21	T 14
W15	17 30 7	23° 5'54	26°59	1°57	3°48	26°27	22°19	26°52	14°15	24°25	10°33	23°D39	24°58	5°12	14°24	W15
T 16	17 34 4	24° 3'11	10~13	2°32	4°56	27° 4	22°18	26°56	14°13	24°23	10°34	23°40	24°54	5°18	14°27	T 16
F 17	17 38 0	25° 0'28	23° 4	3°11	6° 4	27°42	22°17	27° 1	14°12	24°22	10°34	23°R40	24°51	5°25	14°31	F 17
S 18	17 41 57	25°57'43	5~34	3°54	7°12	28°19	22°16	27° 6	14°11	24°21	10°35	23°40	24°48	5°32	14°34	S 18
S 19	17 45 53	26°54'58	17°49	4°41	8°20	28°56	22°15	27°11	14° 9	24°19	10°35	23°37	24°45	5°39	14°37	S 19
M20	17 49 50	27°52'12	29°52	5°32	9°27	29°34	22°13	27°16	14° 8	24°18	10°36	23°33	24°42	5°45	14°41	M20
T 21	17 53 46	28°49'25	11~49	6°27	10°35	0°J11	22°11	27°21	14° 7	24°16	10°36	23°26	24°39	5°52	14°44	T 21
W22	17 57 43	29°46'38	23°42	7°26	11°42	0°49	22° 9	27°26	14° 5	24°15	10°37	23°18	24°35	5°59	14°47	W22
T 23	18 1 39	0~43'51	5~34	8°29	12°49	1°26	22° 7	27°31	14° 4	24°14	10°37	23° 9	24°32	6° 5	14°50	T 23
F 24	18 5 36	1°41'03	17°27	9°36	13°56	2° 4	22° 5	27°37	14° 2	24°12	10°38	22°59	24°29	6°12	14°53	F 24
S 25	18 9 33	2°38'14	29°24	10°47	15° 3	2°41	22° 2	27°42	14° 1	24°11	10°38	22°50	24°26	6°19	14°56	S 25
S 26	18 13 29	3°35'26	11~26	12° 1	16°10	3°19	22° 0	27°47	13°59	24° 9	10°38	22°42	24°23	6°26	14°59	S 26
M27	18 17 26	4°32'37	23°33	13°19	17°16	3°56	21°57	27°53	13°57	24° 8	10°39	22°36	24°20	6°32	15° 2	M27
T 28	18 21 22	5°29'48	5~49	14°41	18°22	4°34	21°54	27°58	13°56	24° 6	10°39	22°33	24°16	6°39	15° 5	T 28
W29	18 25 19	6°26'59	18°14	16° 6	19°29	5°11	21°51	28° 4	13°54	24° 5	10°39	22°D31	24°13	6°46	15° 8	W29
T 30	18 29 15	7~24'10	0~52	17II35	20°J35	5°J49	21~47	28°J10	13~52	24°3 3	10°V40	22°J31	24°J10	6~52	15°J11	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	21n55	16s45	1n23	17n23	3s11	24n23	2n 7	23n34	1n18	14s51	0s46	14n22	1n34	17s 9	0s40	20s41	0n31	11s19	16s47	13n19	12n58	15s53	14n25	1s35	
T 2	22 4	14 10	0 18	17 7	3 23	24 14	2 7	23 29	1 18	14 51	0 46	14 21	1 34	17 9	0 41	20 42	0 31	11 18	16 47	13 19	12 59	15 55	14 26	1 35	
F 3	22 12	10 50	0s49	16 52	3 33	24 4	2 8	23 24	1 18	14 51	0 46	14 19	1 34	17 10	0 41	20 42	0 31	11 18	16 47	13 19	13 0	15 56	14 27	1 35	
S 4	22 19	6 54	1 56	16 40	3 42	23 54	2 8	23 19	1 18	14 51	0 47	14 18	1 34	17 10	0 41	20 42	0 31	11 18	16 48	13 19	13 1	15 57	14 28	1 36	
S 5	22 27	2 30	2 58	16 29	3 49	23 43	2 8	23 13	1 18	14 50	0 47	14 17	1 34	17 10	0 41	20 42	0 31	11 18	16 48	13 20	13 2	15 59	14 29	1 36	
M 6	22 33	2n10	3 53	16 21	3 56	23 31	2 9	23 7	1 17	14 50	0 47	14 15	1 33	17 10	0 41	20 42	0 31	11 18	16 48	13 21	13 3	16 0	14 30	1 36	
T 7	22 40	6 51	4 34	16 15	4 1	23 19	2 9	23 1	1 17	14 50	0 47	14 14	1 33	17 11	0 41	20 43	0 31	11 18	16 49	13 23	13 4	16 1	14 30	1 36	
W 8	22 46	11 16	4 58	16 11	4 5	23 6	2 9	22 55	1 17	14 50	0 48	14 12	1 33	17 11	0 41	20 43	0 31	11 18	16 49	13 25	13 5	16 3	14 31	1 36	
T 9	22 51	15 2	5 2	16 9	4 8	22 53	2 8	22 49	1 17	14 50	0 48	14 11	1 33	17 11	0 41	20 43	0 31	11 19	16 49	13 28	13 6	16 4	14 32	1 36	
F 10	22 57	17 49	4 44	16 9	4 9	22 39	2 8	22 42	1 17	14 50	0 48	14 9	1 33	17 12	0 41	20 43	0 31	11 19	16 50	13 31	13 7	16 5	14 33	1 36	
S 11	23 2	19 21	4 7	16 11	4 10	22 25	2 8	22 36	1 17	14 51	0 48	14 8	1 33	17 12	0 41	20 43	0 31	11 19	16 50	13 34	13 8	16 7	14 34	1 36	
S 12	23 6	19 29	3 13	16 15	4 9	22 10	2 8	22 29	1 17	14 51	0 49	14 6	1 33	17 12	0 41	20 44	0 31	11 19	16 50	13 36	13 10	16 8	14 35	1 37	
M13	23 10	18 17	2 7	16 21	4 7	21 54	2 7	22 22	1 17	14 51	0 49	14 5	1 33	17 13	0 41	20 44	0 31	11 19	16 51	13 38	13 11	16 9	14 36	1 37	
T 14	23 14	15 58	0 55	16 28	4 5	21 38	2 6	22 15	1 16	14 51	0 49	14 3	1 33	17 13	0 41	20 44	0 31	11 19	16 51	13 39	13 12	16 11	14 37	1 37	
W15	23 17	12 49	0n18	16 38	4 1	21 21	2 6	22 8	1 16	14 52	0 50	14 1	1 33	17 13	0 41	20 44	0 31	11 19	16 51	13 39	13 13	16 12	14 38	1 37	
T 16	23 20	9 5	1 27	16 49	3 57	21 4	2 5	22 0	1 16	14 52	0 50	14 0	1 33	17 14	0 41	20 45	0 31	11 19	16 52	13 39	13 14	16 13	14 39	1 37	
F 17	23 22	5 4	2 31	17 2	3 51	20 46	2 4	21 53	1 16	14 53	0 50	13 58	1 33	17 14	0 41	20 45	0 31	11 19	16 52	13 38	13 15	16 15	14 39	1 37	
S 18	23 24	0 55	3 25	17 16	3 45	20 28	2 3	21 45	1 16	14 54	0 50	13 56	1 33	17 15	0 41	20 45	0 31	11 19	16 52	13 39	13 16	16 16	14 40	1 37	
S 19	23 25	3s10	4 8	17 31	3 38	20 9	2 2	21 37	1 16	14 54	0 51	13 54	1 32	17 15	0 41	20 45	0 31	11 19	16 53	13 39	13 17	16 17	14 41	1 38	
M20	23 27	7 4	4 40	17 47	3 30	19 50	2 1	21 30	1 16	14 55	0 51	13 53	1 32	17 15	0 41	20 46	0 31	11 20	16 53	13 41	13 18	16 19	14 42	1 38	
T 21	23 27	10 38	4 59	18 5	3 22	19 31	1 59	21 21	1 16	14 56	0 51	13 51	1 32	17 16	0 41	20 46	0 31	11 20	16 54	13 43	13 19	16 20	14 43	1 38	
W22	23 28	13 47	5 5	18 23	3 13	19 10	1 58	21 13	1 15	14 57	0 51	13 49	1 32	17 16	0 41	20 46	0 31	11 20	16 54	13 46	13 20	16 21	14 43	1 38	
T 23	23 27	16 21	4 58	18 43	3 4	18 50	1 56	21 5	1 15	14 58	0 52	13 47	1 32	17 17	0 41	20 46	0 31	11 20	16 54	13 49	13 21	16 22	14 44	1 38	
F 24	23 27	18 15	4 38	19 2	2 54	18 29	1 54	20 56	1 15	14 59	0 52	13 45	1 32	17 17	0 41	20 47	0 31	11 20	16 55	13 52	13 22	16 24	14 45	1 38	
S 25	23 26	19 21	4 6	19 23	2 44	18 8	1 52	20 47	1 15	15 0	0 52	13 43	1 32	17 18	0 41	20 47	0 31	11 20	16 55	13 55	13 23	16 25	14 46	1 38	
S 26	23 25	19 36	3 23	19 43	2 33	17 46	1 51	20 39	1 15	15 1	0 52	13 41	1 32	17 18	0 41	20 47	0 31	11 21	16 55	13 58	13 24	16 26	14 46	1 39	
M27	23 23	18 57	2 30	20 4	2 22	17 24	1 48	20 30	1 15	15 2	0 53	13 39	1 32	17 19	0 41	20 47	0 31	11 21	16 56	13 59	13 25	16 28	14 47	1 39	
T 28	23 21	17 24	1 29	20 25	2 10	17 1	1 46	20 21	1 14	15 3	0 53	13 37	1 32	17 19	0 41	20 48	0 31	11 21	16 56	14 1	13 27	16 29	14 48	1 39	
W29	23 18	15 1	0 23	20 46	1 58	16 38	1 44	20 11	1 14	15 5	0 53	13 35	1 32	17 20	0 41	20 48	0 31	11 21	16 56	14 1	13 28	16 30	14 49	1 39	
T 30	23n15	11s53	0s45	21n 7	1s46	16n15	1n42	20n 2	1n14	15s 6	0s53	13n33	1n32	17s20	0s41	20s48	0n31	11s22	16s57	14n 1	13n29	16s31	14n49	1s39	



# ASTRODIENST EPHEMERIS for the year 1831

## geocentric

JULY 1831

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 33 12	8 <sup>21</sup> 22	13 <sup>44</sup>	19 <sup>II</sup> 8	21 <sup>Ω</sup> 40	6 <sup>Ω</sup> 26	21 <sup>°</sup> R44	28 <sup>Ω</sup> 15	13 <sup>°</sup> R50	24 <sup>°</sup> R 2	10 <sup>°</sup> Y40	22 <sup>Ω</sup> 33	24 <sup>Ω</sup> 7	6 <sup>°</sup> 59	15 <sup>Ω</sup> 14	F 1
S 2	18 37 8	9 <sup>°</sup> 18'33	26 <sup>°</sup> 54	20 <sup>°</sup> 44	22 <sup>°</sup> 46	7 <sup>°</sup> 4	21 <sup>°</sup> 40	28 <sup>°</sup> 21	13 <sup>°</sup> 49	24 <sup>°</sup> 0	10 <sup>°</sup> 40	22 <sup>°</sup> 34	24 <sup>°</sup> 4	7 <sup>°</sup> 6	15 <sup>°</sup> 17	S 2
S 3	18 41 5	10 <sup>°</sup> 15'45	10 <sup>°</sup> Y24	22 <sup>°</sup> 23	23 <sup>°</sup> 51	7 <sup>°</sup> 41	21 <sup>°</sup> 36	28 <sup>°</sup> 27	13 <sup>°</sup> 47	23 <sup>°</sup> 58	10 <sup>°</sup> 40	22 <sup>°</sup> R34	24 <sup>°</sup> 0	7 <sup>°</sup> 13	15 <sup>°</sup> 19	S 3
M 4	18 45 2	11 <sup>°</sup> 12'57	24 <sup>°</sup> 16	24 <sup>°</sup> 5	24 <sup>°</sup> 57	8 <sup>°</sup> 19	21 <sup>°</sup> 32	28 <sup>°</sup> 33	13 <sup>°</sup> 45	23 <sup>°</sup> 57	10 <sup>°</sup> 40	22 <sup>°</sup> 34	23 <sup>°</sup> 57	7 <sup>°</sup> 19	15 <sup>°</sup> 22	M 4
T 5	18 48 58	12 <sup>°</sup> 10'09	8 <sup>°</sup> 31	25 <sup>°</sup> 51	26 <sup>°</sup> 2	8 <sup>°</sup> 56	21 <sup>°</sup> 27	28 <sup>°</sup> 39	13 <sup>°</sup> 43	23 <sup>°</sup> 55	10 <sup>°</sup> 41	22 <sup>°</sup> 31	23 <sup>°</sup> 54	7 <sup>°</sup> 26	15 <sup>°</sup> 25	T 5
W 6	18 52 55	13 <sup>°</sup> 7'22	23 <sup>°</sup> 6	27 <sup>°</sup> 40	27 <sup>°</sup> 6	9 <sup>°</sup> 34	21 <sup>°</sup> 23	28 <sup>°</sup> 45	13 <sup>°</sup> 41	23 <sup>°</sup> 54	10 <sup>°</sup> 41	22 <sup>°</sup> 27	23 <sup>°</sup> 51	7 <sup>°</sup> 33	15 <sup>°</sup> 27	W 6
T 7	18 56 51	14 <sup>°</sup> 4'35	7 <sup>°</sup> II57	29 <sup>°</sup> 32	28 <sup>°</sup> 11	10 <sup>°</sup> 11	21 <sup>°</sup> 18	28 <sup>°</sup> 51	13 <sup>°</sup> 39	23 <sup>°</sup> 52	10 <sup>°</sup> 41	22 <sup>°</sup> 22	23 <sup>°</sup> 48	7 <sup>°</sup> 39	15 <sup>°</sup> 30	T 7
F 8	19 0 48	15 <sup>°</sup> 1'49	22 <sup>°</sup> 56	19 <sup>°</sup> 27	29 <sup>°</sup> 16	10 <sup>°</sup> 49	21 <sup>°</sup> 14	28 <sup>°</sup> 57	13 <sup>°</sup> 37	23 <sup>°</sup> 51	10 <sup>°</sup> 41	22 <sup>°</sup> 17	23 <sup>°</sup> 45	7 <sup>°</sup> 46	15 <sup>°</sup> 32	F 8
S 9	19 4 44	15 <sup>°</sup> 59'02	7 <sup>°</sup> 56	3 <sup>°</sup> 24	0 <sup>°</sup> 20	11 <sup>°</sup> 26	21 <sup>°</sup> 9	29 <sup>°</sup> 3	13 <sup>°</sup> 35	23 <sup>°</sup> 49	10 <sup>°</sup> 41	22 <sup>°</sup> 12	23 <sup>°</sup> 41	7 <sup>°</sup> 53	15 <sup>°</sup> 35	S 9
S 10	19 8 41	16 <sup>°</sup> 56'17	22 <sup>°</sup> 46	5 <sup>°</sup> 23	1 <sup>°</sup> 24	12 <sup>°</sup> 4	21 <sup>°</sup> 4	29 <sup>°</sup> 10	13 <sup>°</sup> 33	23 <sup>°</sup> 47	10 <sup>°</sup> 41	22 <sup>°</sup> 8	23 <sup>°</sup> 38	8 <sup>°</sup> 0	15 <sup>°</sup> 37	S 10
M 11	19 12 37	17 <sup>°</sup> 53'31	7 <sup>°</sup> Ω20	7 <sup>°</sup> 25	2 <sup>°</sup> 28	12 <sup>°</sup> 42	20 <sup>°</sup> 58	29 <sup>°</sup> 16	13 <sup>°</sup> 31	23 <sup>°</sup> 46	10 <sup>°</sup> 41	22 <sup>°</sup> 6	23 <sup>°</sup> 35	8 <sup>°</sup> 6	15 <sup>°</sup> 40	M 11
T 12	19 16 34	18 <sup>°</sup> 50'45	21 <sup>°</sup> 31	9 <sup>°</sup> 29	3 <sup>°</sup> 31	13 <sup>°</sup> 19	20 <sup>°</sup> 53	29 <sup>°</sup> 22	13 <sup>°</sup> 29	23 <sup>°</sup> 44	10 <sup>°</sup> R41	22 <sup>°</sup> D 5	23 <sup>°</sup> 32	8 <sup>°</sup> 13	15 <sup>°</sup> 42	T 12
W 13	19 20 31	19 <sup>°</sup> 48'00	5 <sup>°</sup> II17	11 <sup>°</sup> 34	4 <sup>°</sup> 34	13 <sup>°</sup> 57	20 <sup>°</sup> 47	29 <sup>°</sup> 29	13 <sup>°</sup> 27	23 <sup>°</sup> 43	10 <sup>°</sup> 41	22 <sup>°</sup> 5	23 <sup>°</sup> 29	8 <sup>°</sup> 20	15 <sup>°</sup> 44	W 13
T 14	19 24 27	20 <sup>°</sup> 45'14	18 <sup>°</sup> 36	13 <sup>°</sup> 40	5 <sup>°</sup> 37	14 <sup>°</sup> 34	20 <sup>°</sup> 42	29 <sup>°</sup> 35	13 <sup>°</sup> 25	23 <sup>°</sup> 41	10 <sup>°</sup> 41	22 <sup>°</sup> 7	23 <sup>°</sup> 26	8 <sup>°</sup> 27	15 <sup>°</sup> 46	T 14
F 15	19 28 24	21 <sup>°</sup> 42'29	1 <sup>°</sup> Ω31	15 <sup>°</sup> 48	6 <sup>°</sup> 40	15 <sup>°</sup> 12	20 <sup>°</sup> 36	29 <sup>°</sup> 42	13 <sup>°</sup> 23	23 <sup>°</sup> 39	10 <sup>°</sup> 41	22 <sup>°</sup> 8	23 <sup>°</sup> 22	8 <sup>°</sup> 33	15 <sup>°</sup> 49	F 15
S 16	19 32 20	22 <sup>°</sup> 39'43	14 <sup>°</sup> 5	17 <sup>°</sup> 56	7 <sup>°</sup> 43	15 <sup>°</sup> 50	20 <sup>°</sup> 30	29 <sup>°</sup> 48	13 <sup>°</sup> 20	23 <sup>°</sup> 38	10 <sup>°</sup> 41	22 <sup>°</sup> 9	23 <sup>°</sup> 19	8 <sup>°</sup> 40	15 <sup>°</sup> 51	S 16
S 17	19 36 17	23 <sup>°</sup> 36'58	26 <sup>°</sup> 21	20 <sup>°</sup> 4	8 <sup>°</sup> 45	16 <sup>°</sup> 27	20 <sup>°</sup> 24	29 <sup>°</sup> 55	13 <sup>°</sup> 18	23 <sup>°</sup> 36	10 <sup>°</sup> 41	22 <sup>°</sup> R10	23 <sup>°</sup> 16	8 <sup>°</sup> 47	15 <sup>°</sup> 53	S 17
M 18	19 40 13	24 <sup>°</sup> 34'13	8 <sup>°</sup> II26	22 <sup>°</sup> 12	9 <sup>°</sup> 47	17 <sup>°</sup> 5	20 <sup>°</sup> 18	0 <sup>°</sup> 22	13 <sup>°</sup> 16	23 <sup>°</sup> 34	10 <sup>°</sup> 41	22 <sup>°</sup> 9	23 <sup>°</sup> 13	8 <sup>°</sup> 53	15 <sup>°</sup> 55	M 18
T 19	19 44 10	25 <sup>°</sup> 31'29	20 <sup>°</sup> 22	24 <sup>°</sup> 20	10 <sup>°</sup> 49	17 <sup>°</sup> 43	20 <sup>°</sup> 11	0 <sup>°</sup> 8	13 <sup>°</sup> 14	23 <sup>°</sup> 33	10 <sup>°</sup> 40	22 <sup>°</sup> 7	23 <sup>°</sup> 10	9 <sup>°</sup> 0	15 <sup>°</sup> 57	T 19
W 20	19 48 6	26 <sup>°</sup> 28'45	2 <sup>°</sup> 15	26 <sup>°</sup> 28	11 <sup>°</sup> 50	18 <sup>°</sup> 20	20 <sup>°</sup> 5	0 <sup>°</sup> 15	13 <sup>°</sup> 11	23 <sup>°</sup> 31	10 <sup>°</sup> 40	22 <sup>°</sup> 4	23 <sup>°</sup> 6	9 <sup>°</sup> 7	15 <sup>°</sup> 59	W 20
T 21	19 52 3	27 <sup>°</sup> 26'01	14 <sup>°</sup> 8	28 <sup>°</sup> 35	12 <sup>°</sup> 51	18 <sup>°</sup> 58	19 <sup>°</sup> 58	0 <sup>°</sup> 22	13 <sup>°</sup> 9	23 <sup>°</sup> 30	10 <sup>°</sup> 40	22 <sup>°</sup> 0	23 <sup>°</sup> 3	9 <sup>°</sup> 14	16 <sup>°</sup> 1	T 21
F 22	19 56 0	28 <sup>°</sup> 23'17	26 <sup>°</sup> 4	0 <sup>°</sup> Ω41	13 <sup>°</sup> 52	19 <sup>°</sup> 36	19 <sup>°</sup> 52	0 <sup>°</sup> 29	13 <sup>°</sup> 7	23 <sup>°</sup> 28	10 <sup>°</sup> 40	21 <sup>°</sup> 56	23 <sup>°</sup> 0	9 <sup>°</sup> 20	16 <sup>°</sup> 3	F 22
S 23	19 59 56	29 <sup>°</sup> 20'34	8 <sup>°</sup> Ω 6	2 <sup>°</sup> 46	14 <sup>°</sup> 52	20 <sup>°</sup> 13	19 <sup>°</sup> 45	0 <sup>°</sup> 35	13 <sup>°</sup> 5	23 <sup>°</sup> 26	10 <sup>°</sup> 40	21 <sup>°</sup> 52	22 <sup>°</sup> 57	9 <sup>°</sup> 27	16 <sup>°</sup> 4	S 23
S 24	20 3 53	0 <sup>°</sup> Ω17'52	20 <sup>°</sup> 16	4 <sup>°</sup> 50	15 <sup>°</sup> 52	20 <sup>°</sup> 51	19 <sup>°</sup> 38	0 <sup>°</sup> 42	13 <sup>°</sup> 2	23 <sup>°</sup> 25	10 <sup>°</sup> 39	21 <sup>°</sup> 49	22 <sup>°</sup> 54	9 <sup>°</sup> 34	16 <sup>°</sup> 6	S 24
M 25	20 7 49	1 <sup>°</sup> 15'10	2 <sup>°</sup> Ω36	6 <sup>°</sup> 53	16 <sup>°</sup> 52	21 <sup>°</sup> 29	19 <sup>°</sup> 31	0 <sup>°</sup> 49	13 <sup>°</sup> 0	23 <sup>°</sup> 23	10 <sup>°</sup> 39	21 <sup>°</sup> 47	22 <sup>°</sup> 51	9 <sup>°</sup> 40	16 <sup>°</sup> 8	M 25
T 26	20 11 46	2 <sup>°</sup> 12'28	15 <sup>°</sup> 6	8 <sup>°</sup> 54	17 <sup>°</sup> 51	22 <sup>°</sup> 7	19 <sup>°</sup> 24	0 <sup>°</sup> 56	12 <sup>°</sup> 58	23 <sup>°</sup> 21	10 <sup>°</sup> 39	21 <sup>°</sup> 46	22 <sup>°</sup> 47	9 <sup>°</sup> 47	16 <sup>°</sup> 9	T 26
W 27	20 15 42	3 <sup>°</sup> 9'48	27 <sup>°</sup> 49	10 <sup>°</sup> 54	18 <sup>°</sup> 50	22 <sup>°</sup> 44	19 <sup>°</sup> 17	1 <sup>°</sup> 3	12 <sup>°</sup> 55	23 <sup>°</sup> 20	10 <sup>°</sup> 38	21 <sup>°</sup> D46	22 <sup>°</sup> 44	9 <sup>°</sup> 54	16 <sup>°</sup> 11	W 27
T 28	20 19 39	4 <sup>°</sup> 7'08	10 <sup>°</sup> II44	12 <sup>°</sup> 52	19 <sup>°</sup> 49	23 <sup>°</sup> 22	19 <sup>°</sup> 9	1 <sup>°</sup> 10	12 <sup>°</sup> 53	23 <sup>°</sup> 18	10 <sup>°</sup> 38	21 <sup>°</sup> 47	22 <sup>°</sup> 41	10 <sup>°</sup> 1	16 <sup>°</sup> 12	T 28
F 29	20 23 35	5 <sup>°</sup> 4'30	23 <sup>°</sup> 53	14 <sup>°</sup> 49	20 <sup>°</sup> 47	24 <sup>°</sup> 0	19 <sup>°</sup> 2	1 <sup>°</sup> 17	12 <sup>°</sup> 51	23 <sup>°</sup> 17	10 <sup>°</sup> 38	21 <sup>°</sup> 48	22 <sup>°</sup> 38	10 <sup>°</sup> 7	16 <sup>°</sup> 14	F 29
S 30	20 27 32	6 <sup>°</sup> 1'52	7 <sup>°</sup> Y16	16 <sup>°</sup> 44	21 <sup>°</sup> 45	24 <sup>°</sup> 38	18 <sup>°</sup> 55	1 <sup>°</sup> 24	12 <sup>°</sup> 48	23 <sup>°</sup> 15	10 <sup>°</sup> 37	21 <sup>°</sup> 49	22 <sup>°</sup> 35	10 <sup>°</sup> 14	16 <sup>°</sup> 15	S 30
S 31	20 31 29	6 <sup>°</sup> Ω59'16	20 <sup>°</sup> Y54	18 <sup>°</sup> Ω37	22 <sup>°</sup> II42	25 <sup>°</sup> Ω16	18 <sup>°</sup> Ω47	1 <sup>°</sup> II31	12 <sup>°</sup> Ω46	23 <sup>°</sup> Ω14	10 <sup>°</sup> Y37	21 <sup>°</sup> Ω50	22 <sup>°</sup> Ω32	10 <sup>°</sup> Ω21	16 <sup>°</sup> Ω17	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
F 1	23n12	8s 8	1s52	21n27	1s34	15n51	1n39	19n52	1n14	15s 7	0s54	13n31	1n32	17s21	0s41	20s48	0n31	11s22	16s57	14n 1	13n30	16s33	14n50	1s39	
S 2	23 8	3 55	2 55	21 47	1 22	15 27	1 36	19 43	1 14	15 9	0 54	13 29	1 32	17 21	0 41	20 49	0 31	11 22	16 57	14 0	13 31	16 34	14 50	1 40	
S 3	23 4	0n35	3 50	22 5	1 9	15 3	1 34	19 33	1 14	15 10	0 54	13 27	1 32	17 22	0 41	20 49	0 31	11 22	16 58	14 0	13 32	16 35	14 51	1 40	
M 4	22 59	5 11	4 33	22 23	0 57	14 38	1 31	19 23	1 13	15 12	0 54	13 25	1 32	17 23	0 42	20 49	0 31	11 23	16 58	14 0	13 33	16 37	14 52	1 40	
T 5	22 54	9 36	5 1	22 39	0 44	14 14	1 28	19 13	1 13	15 13	0 55	13 23	1 32	17 23	0 42	20 50	0 31	11 23	16 59	14 1	13 34	16 38	14 52	1 40	
W 6	22 49	13 33	5 10	22 54	0 32	13 48	1 24	19 3	1 13	15 15	0 55	13 21	1 32	17 24	0 42	20 50	0 31	11 23	16 59	14 2	13 35	16 39	14 53	1 40	
T 7	22 43	16 44	4 59	23 8	0 20	13 23	1 21	18 52	1 13	15 17	0 55	13 19	1 31	17 24	0 42	20 50	0 31	11 23	16 59	14 4	13 36	16 40	14 54	1 40	
F 8	22 37	18 49	4 27	23 19	0 8	12 57	1 18	18 42	1 13	15 19	0 55	13 17	1 31	17 25	0 42	20 50	0 31	11 24	17 0	14 6	13 37	16 42	14 54	1 41	
S 9	22 30	19 36	3 37	23 29	0n 4	12 31	1 14	18 31	1 12	15 20	0 56	13 14	1 31	17 25	0 42	20 51	0 31	11 24	17 0	14 7	13 38	16 43	14 55	1 41	
S 10	22 23	19 1	2 33	23 36	0 15	12 5	1 11	18 21	1 12	15 22	0 56	13 12	1 31	17 26	0 42	20 51	0 31	11 24	17 0	14 9	13 39	16 44	14 55	1 41	
M 11	22 16	17 10	1 20	23 41	0 26	11 39	1 7	18 10	1 12	15 24	0 56	13 10	1 31	17 27	0 42	20 51	0 31	11 25	17 1	14 9	13 40	16 45	14 56	1 41	
T 12	22 8	14 18	0 3	23 43	0 36	11 12	1 3	17 59	1 12	15 26	0 56	13 8	1 31	17 27	0 42	20 52	0 31	11 25	17 1	14 10	13 41	16 47	14 56	1 41	
W 13	22 0	10 42	1n12	23 43	0 46	10 45	0 59	17 48	1 12	15 28	0 56	13 5	1 31	17 28	0 42	20 52	0 31	11 25	17 2	14 9	13 42	16 48	14 57	1 42	
T 14	21 51	6 40	2 20	23 40	0 55	10 18	0 55	17 37	1 11	15 30	0 57	13 3	1 31	17 29	0 42	20 52	0 31	11 26	17 2	14 9	13 43	16 49	14 57	1 42	
F 15	21 42	2 26	3 19	23 35	1 4	9 51	0 51	17 26	1 11	15 32	0 57	13 1	1 31	17 29	0 42	20 52	0 31	11 26	17 2	14 9	13 44	16 50	14 58	1 42	
S 16	21 33	1s46	4 7	23 26	1 11	9 24	0 46	17 14	1 11	15 34	0 57	12 58	1 31	17 30	0 42	20 53	0 31	11 26	17 3	14 8	13 45	16 52	14 58	1 42	
S 17	21 24	5 47	4 42	23 15	1 18	8 56	0 42	17 3	1 11	15 36	0 57	12 56	1 31	17 30	0 42	20 53	0 31	11 27	17 3	14 8	13 46	16 53	14 58	1 42	
M 18	21 14	9 31	5 5	23 1	1 25	8 29	0 37	16 51	1 11	15 39	0 58	12 54	1 31	17 31	0 42	20 53	0 31	11 27	17 3	14 8	13 47	16 54	14 59	1 42	
T 19	21 3	12 49	5 13	22 45	1 30	8 1	0 32	16 39	1 10	15 41	0 58	12 51	1 31	17 32	0 42	20 54	0 31	11 28	17 4	14 9	13 49	16 55	14 59	1 43	
W 20	20 53	15 35	5 8	22 26	1 35	7 33	0 28	16 27	1 10	15 43	0 58	12 49	1 31	17 32	0 42	20 54	0 31	11 28	17 4	14 10	13 50	16 57	15 0	1 43	
T 21	20 41	17 42	4 51	22 4	1 39	7 5	0 23	16 15	1 10	15 45	0 58	12 46	1 31	17 33	0 42	20 54	0 31	11 28	17 4	14 11	13 51	16 58	15 0	1 43	
F 22	20 30	19 4	4 20	21 41	1 42	6 37	0 17	16 1	1 10	15 48	0 58	12 44	1 31	17 34	0 42	20 54	0 31	11 29	17 5	14 13	13 52	16 59	15 0	1 43	
S 23	20 18	19 36	3 38	21 15	1 44	6 9	0 12	15 51	1 10	15 50	0 59	12 42	1 31	17 34	0 42	20 55	0 31	11 29	17 5	14 14	13 53	17 0	15 1	1 43	
S 24	20 6	19 13	2 45	20 47	1 46	5 41	0 7	15 39	1 9	15 52	0 59	12 39	1 31	17 35	0 42	20 55	0 31	11 30	17 5	14 15	13 54	17 2	15 1	1 44	
M 25	19 54	17 55	1 44	20 18	1 47	5 13	0 1	15 27	1 9	15 55	0 59	12 37	1 31	17 36	0 42	20 55	0 31	11 30	17 6	14 15	13 55	17 3	15 1	1 44	
T 26	19 41	15 44	0 37	19 46	1 47	4 44	0s 4	15 14	1 9	15 57	0 59	12 34	1 31	17 36	0 42	20 56	0 31	11 30	17 6	14 16	13 56	17 4	15 2	1 44	
W 27	19 28	12 46	0s33	19 14	1 47	4 16	0 10	15 2	1 9	16 0	0 59	12 32	1 31	17 37	0 42	20 56	0 31	11 31	17 7	14 16	13 57	17 5	15 2	1 44	
T 28	19 15	9 8	1 43	18 39	1 46	3 48	0 16	14 49	1 8	16 2	1 0	12 29	1 31	17 38	0 42	20 56	0 31	11 31	17 7	14 15	13 58	17 6	15 2	1 44	
F 29	19 1	5 0	2 48	18 4	1 44	3 19	0 22	14 36	1 8	16 4	1 0	12 27	1 31	17 38	0 42	20 56	0 31	11 32	17 7	14 15	13 59	17 8	15 2	1 44	
S 30	18 47	0 34	3 46	17 27	1 42	2 51	0 28	14 23	1 8	16 7	1 0	12 24	1 31	17 39	0 42	20 57	0 31	11 32	17 8	14 15	14 0	17 9	15 3	1 45	
S 31	18n32	3n58	4s31	16n50	1n39	2n22	0s34	14n10	1n 8	16s 9	1s 0	12n22	1n31	17s40	0s42	20s57	0n31	11s33	17s 8	14n14	14n 1	17s10	15n 3	1s45	



# ASTRODIENST EPHEMERIS for the year 1831

## geocentric

AUGUST 1831

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	20 35 25	7♏56'40	4♌47	20♏29	23♏39	25♏53	18♏40	1♏39	12♏44	23♏12	10♏37	21♏51	22♏28	10♏27	16♏18	M 1
T 2	20 39 22	8♏54'06	18♏55	22♏19	24♏36	26♏31	18♏32	1♏46	12♏41	23♏10	10♏36	21♏51	22♏25	10♏34	16♏19	T 2
W 3	20 43 18	9♏51'34	3♏15	24♏8	25♏32	27♏9	18♏25	1♏53	12♏39	23♏9	10♏36	21♏50	22♏22	10♏41	16♏20	W 3
T 4	20 47 15	10♏49'02	17♏45	25♏55	26♏27	27♏47	18♏17	2♏0	12♏36	23♏7	10♏35	21♏49	22♏19	10♏48	16♏21	T 4
F 5	20 51 11	11♏46'32	2♏20	27♏41	27♏22	28♏25	18♏9	2♏8	12♏34	23♏6	10♏35	21♏48	22♏16	10♏54	16♏22	F 5
S 6	20 55 8	12♏44'03	16♏55	29♏24	28♏17	29♏3	18♏1	2♏15	12♏32	23♏4	10♏34	21♏47	22♏12	11♏1	16♏23	S 6
S 7	20 59 4	13♏41'35	1♏24	1♏7	29♏11	29♏41	17♏54	2♏22	12♏29	23♏3	10♏34	21♏46	22♏9	11♏8	16♏24	S 7
M 8	21 3 1	14♏39'09	15♏40	2♏48	0♏5	0♏19	17♏46	2♏30	12♏27	23♏1	10♏33	21♏45	22♏6	11♏14	16♏25	M 8
T 9	21 6 58	15♏36'43	29♏40	4♏27	0♏58	0♏57	17♏38	2♏37	12♏24	23♏0	10♏32	21♏46	22♏3	11♏21	16♏26	T 9
W10	21 10 54	16♏34'19	13♏19	6♏4	1♏50	1♏35	17♏30	2♏44	12♏22	22♏58	10♏32	21♏46	22♏0	11♏28	16♏27	W10
T 11	21 14 51	17♏31'55	26♏37	7♏41	2♏42	2♏13	17♏22	2♏52	12♏20	22♏57	10♏31	21♏46	21♏57	11♏35	16♏27	T 11
F 12	21 18 47	18♏29'33	9♏33	9♏15	3♏33	2♏51	17♏14	2♏59	12♏17	22♏56	10♏31	21♏47	21♏53	11♏41	16♏28	F 12
S 13	21 22 44	19♏27'11	22♏9	10♏48	4♏24	3♏29	17♏6	3♏7	12♏15	22♏54	10♏30	21♏47	21♏50	11♏48	16♏29	S 13
S 14	21 26 40	20♏24'51	4♏28	12♏20	5♏13	4♏7	16♏59	3♏14	12♏13	22♏53	10♏29	21♏47	21♏47	11♏55	16♏29	S 14
M15	21 30 37	21♏22'31	16♏34	13♏50	6♏2	4♏45	16♏51	3♏22	12♏10	22♏51	10♏29	21♏47	21♏44	12♏1	16♏30	M15
T 16	21 34 33	22♏20'13	28♏31	15♏18	6♏51	5♏23	16♏43	3♏29	12♏8	22♏50	10♏28	21♏47	21♏41	12♏8	16♏30	T 16
W17	21 38 30	23♏17'55	10♏24	16♏45	7♏38	6♏1	16♏35	3♏37	12♏5	22♏49	10♏27	21♏47	21♏37	12♏15	16♏30	W17
T 18	21 42 27	24♏15'39	22♏18	18♏10	8♏25	6♏39	16♏28	3♏44	12♏3	22♏47	10♏26	21♏47	21♏34	12♏22	16♏31	T 18
F 19	21 46 23	25♏13'24	4♏16	19♏34	9♏11	7♏17	16♏20	3♏52	12♏1	22♏46	10♏26	21♏48	21♏31	12♏28	16♏31	F 19
S 20	21 50 20	26♏11'10	16♏23	20♏55	9♏56	7♏55	16♏12	3♏59	11♏59	22♏45	10♏25	21♏48	21♏28	12♏35	16♏31	S 20
S 21	21 54 16	27♏8'58	28♏41	22♏16	10♏41	8♏33	16♏5	4♏7	11♏56	22♏43	10♏24	21♏49	21♏25	12♏42	16♏31	S 21
M22	21 58 13	28♏6'46	11♏13	23♏34	11♏24	9♏11	15♏57	4♏14	11♏54	22♏42	10♏23	21♏49	21♏22	12♏48	16♏31	M22
T 23	22 2 9	29♏4'36	24♏0	24♏51	12♏6	9♏50	15♏50	4♏22	11♏52	22♏41	10♏22	21♏49	21♏18	12♏55	16♏31	T 23
W24	22 6 6	0♏2'28	7♏4	26♏6	12♏48	10♏28	15♏42	4♏29	11♏49	22♏40	10♏22	21♏49	21♏15	13♏2	16♏31	W24
T 25	22 10 2	1♏0'21	20♏22	27♏19	13♏28	11♏6	15♏35	4♏37	11♏47	22♏39	10♏21	21♏48	21♏12	13♏9	16♏31	T 25
F 26	22 13 59	1♏58'15	3♏56	28♏30	14♏7	11♏44	15♏28	4♏45	11♏45	22♏37	10♏20	21♏47	21♏9	13♏15	16♏31	F 26
S 27	22 17 55	2♏56'12	17♏42	29♏39	14♏45	12♏23	15♏21	4♏52	11♏43	22♏36	10♏19	21♏46	21♏6	13♏22	16♏31	S 27
S 28	22 21 52	3♏54'10	1♏38	0♏46	15♏22	13♏1	15♏14	5♏0	11♏41	22♏35	10♏18	21♏44	21♏3	13♏29	16♏30	S 28
M29	22 25 49	4♏52'10	15♏42	1♏51	15♏58	13♏39	15♏7	5♏7	11♏39	22♏34	10♏17	21♏43	20♏59	13♏35	16♏30	M29
T 30	22 29 45	5♏50'12	29♏52	2♏53	16♏33	14♏18	15♏0	5♏15	11♏36	22♏33	10♏16	21♏43	20♏56	13♏42	16♏29	T 30
W31	22 33 42	6♏48'16	14♏5	3♏53	17♏6	14♏56	14♏53	5♏23	11♏34	22♏32	10♏15	21♏43	20♏53	13♏49	16♏29	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	18n18	8n22	5s 2	16n11	1n36	1n54	0s41	13n57	1n 7	16s12	1s 0	12n19	1n31	17s41	0s42	20s57
T 2	18 3	12 24	5 16	15 32	1 32	1 26	0 47	13 44	1 7	16 14	1 0	12 16	1 31	17 41	0 42	20 58
W 3	17 48	15 45	5 10	14 52	1 28	0 58	0 54	13 31	1 7	16 17	1 1	12 14	1 31	17 42	0 42	20 58
T 4	17 32	18 10	4 45	14 12	1 23	0 29	1 0	13 18	1 7	16 19	1 1	12 11	1 31	17 43	0 42	20 58
F 5	17 16	19 26	4 1	13 31	1 18	0 1	1 7	13 4	1 6	16 22	1 1	12 9	1 31	17 43	0 42	20 58
S 6	17 0	19 23	3 1	12 49	1 13	0s27	1 14	12 51	1 6	16 25	1 1	12 6	1 31	17 44	0 42	20 59
S 7	16 44	18 4	1 50	12 8	1 7	0 55	1 21	12 37	1 6	16 27	1 1	12 3	1 31	17 45	0 42	20 59
M 8	16 27	15 37	0 34	11 26	1 1	1 23	1 28	12 24	1 6	16 30	1 1	12 1	1 31	17 45	0 42	20 59
T 9	16 10	12 17	0n44	10 44	0 54	1 51	1 35	12 10	1 5	16 32	1 1	11 58	1 31	17 46	0 42	20 59
W10	15 53	8 21	1 57	10 1	0 47	2 18	1 43	11 56	1 5	16 35	1 1	11 55	1 31	17 47	0 42	21 0
T 11	15 36	4 7	3 1	9 19	0 40	2 46	1 50	11 42	1 5	16 37	1 2	11 53	1 31	17 47	0 42	21 0
F 12	15 18	0s11	3 55	8 37	0 33	3 13	1 58	11 28	1 5	16 40	1 2	11 50	1 31	17 48	0 42	21 0
S 13	15 0	4 22	4 36	7 54	0 25	3 40	2 6	11 14	1 4	16 42	1 2	11 47	1 31	17 49	0 42	21 0
S 14	14 42	8 16	5 3	7 12	0 17	4 7	2 13	11 0	1 4	16 45	1 2	11 45	1 31	17 49	0 42	21 1
M15	14 23	11 45	5 16	6 30	0 9	4 34	2 21	10 46	1 4	16 47	1 2	11 42	1 31	17 50	0 42	21 1
T 16	14 5	14 43	5 15	5 48	0 1	5 0	2 29	10 32	1 4	16 50	1 2	11 39	1 31	17 51	0 42	21 1
W17	13 46	17 4	5 1	5 7	0s 8	5 27	2 38	10 18	1 3	16 52	1 2	11 37	1 31	17 51	0 42	21 1
T 18	13 27	18 41	4 33	4 26	0 17	5 53	2 46	10 3	1 3	16 54	1 2	11 34	1 31	17 52	0 42	21 2
F 19	13 7	19 29	3 54	3 45	0 25	6 19	2 54	9 49	1 3	16 57	1 2	11 31	1 31	17 53	0 42	21 2
S 20	12 48	19 24	3 4	3 4	0 34	6 44	3 3	9 34	1 2	16 59	1 2	11 29	1 31	17 53	0 42	21 2
S 21	12 28	18 24	2 5	2 25	0 43	7 9	3 11	9 20	1 2	17 2	1 3	11 26	1 32	17 54	0 42	21 2
M22	12 8	16 29	0 58	1 45	0 53	7 34	3 20	9 5	1 2	17 4	1 3	11 23	1 32	17 54	0 42	21 3
T 23	11 48	13 43	0s12	1 6	1 2	7 59	3 28	8 50	1 2	17 6	1 3	11 20	1 32	17 55	0 42	21 3
W24	11 28	10 13	1 23	0 28	1 11	8 23	3 37	8 36	1 1	17 8	1 3	11 18	1 32	17 56	0 42	21 3
T 25	11 8	6 8	2 32	0s10	1 20	8 47	3 46	8 21	1 1	17 11	1 3	11 15	1 32	17 56	0 42	21 3
F 26	10 47	1 41	3 33	0 47	1 30	9 11	3 55	8 6	1 1	17 13	1 3	11 12	1 32	17 57	0 42	21 3
S 27	10 26	2n55	4 22	1 23	1 39	9 34	4 4	7 51	1 0	17 15	1 3	11 9	1 32	17 58	0 42	21 4
S 28	10 5	7 24	4 57	1 58	1 49	9 57	4 13	7 36	1 0	17 17	1 3	11 7	1 32	17 58	0 42	21 4
M29	9 44	11 32	5 14	2 33	1 58	10 19	4 22	7 21	1 0	17 19	1 3	11 4	1 32	17 59	0 42	21 4
T 30	9 23	15 2	5 13	3 6	2 7	10 41	4 31	7 6	0 59	17 21	1 3	11 1	1 32	17 59	0 42	21 4
W31	9n 1	17n40	4s52	3s38	2s17	11s 2	4s40	6n51	0n59	17s23	1s 3	10n59	1n32	18s 0	0s42	21s 5

Julian Day Number = 2390030.5, Delta T = 9.79 sec

Ecliptic obliquity = 23°27'33", Nutation = - 0°00'10", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°23'19", Lahiri = 21°30'19"



# ASTRODIENST EPHEMERIS for the year 1831

## geocentric

OCTOBER 1831

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 35 55	7♂ 3'21	7♂ 2	28°R40	18°R48	4♂56	12°R36	9♂12	10°R45	22°R13	9°R42	20♂57	19♂14	17♂17	15°R45	S 1
S 2	0 39 51	8° 2'27	20°38	27♂57	18♂17	5°35	12♂34	9°19	10♂44	22♂13	9°41	20°R58	19°11	17°24	15♂43	S 2
M 3	0 43 48	9° 1'34	4♂ 4	27°23	17°45	6°14	12°33	9°26	10°43	22°13	9°39	20°57	19° 8	17°30	15°40	M 3
T 4	0 47 44	10° 0'44	17°18	26°59	17°11	6°54	12°32	9°33	10°42	22°13	9°38	20°54	19° 5	17°37	15°38	T 4
W 5	0 51 41	10°59'55	0♂21	26°45	16°37	7°33	12°31	9°40	10°42	22°D13	9°37	20°48	19° 2	17°44	15°36	W 5
T 6	0 55 38	11°59'09	13°11	26°D42	16° 1	8°12	12°30	9°46	10°41	22°13	9°36	20°41	18°59	17°50	15°33	T 6
F 7	0 59 34	12°58'25	25°49	26°50	15°25	8°51	12°30	9°53	10°40	22°13	9°35	20°32	18°55	17°57	15°31	F 7
S 8	1 3 31	13°57'43	8♂14	27° 8	14°49	9°31	12°29	10° 0	10°39	22°13	9°34	20°21	18°52	18° 4	15°28	S 8
S 9	1 7 27	14°57'03	20°27	27°36	14°12	10°10	12°D29	10° 7	10°39	22°13	9°32	20°11	18°49	18°10	15°26	S 9
M10	1 11 24	15°56'24	2♂30	28°13	13°36	10°49	12°29	10°13	10°38	22°13	9°31	20° 2	18°46	18°17	15°23	M10
T 11	1 15 20	16°55'48	14°25	29° 0	12°59	11°29	12°29	10°20	10°38	22°13	9°30	19°55	18°43	18°24	15°21	T 11
W12	1 19 17	17°55'13	26°15	29°54	12°23	12° 8	12°30	10°26	10°37	22°14	9°29	19°50	18°40	18°31	15°18	W12
T 13	1 23 13	18°54'41	8♂ 5	0♂56	11°48	12°48	12°30	10°33	10°37	22°14	9°28	19°48	18°36	18°37	15°15	T 13
F 14	1 27 10	19°54'10	20° 1	2° 4	11°14	13°27	12°31	10°40	10°36	22°14	9°27	19°D47	18°33	18°44	15°13	F 14
S 15	1 31 7	20°53'41	2♂ 6	3°17	10°41	14° 7	12°32	10°46	10°36	22°14	9°25	19°47	18°30	18°51	15°10	S 15
S 16	1 35 3	21°53'13	14°26	4°36	10°10	14°46	12°34	10°52	10°36	22°15	9°24	19°R48	18°27	18°57	15° 7	S 16
M17	1 39 0	22°52'47	27° 7	5°59	9°40	15°26	12°35	10°59	10°35	22°15	9°23	19°48	18°24	19° 4	15° 4	M17
T 18	1 42 56	23°52'23	10♂12	7°25	9°12	16° 5	12°37	11° 5	10°35	22°16	9°22	19°46	18°20	19°11	15° 2	T 18
W19	1 46 53	24°52'01	23°43	8°54	8°46	16°45	12°38	11°11	10°35	22°16	9°21	19°42	18°17	19°17	14°59	W19
T 20	1 50 49	25°51'41	7°41	10°26	8°22	17°24	12°40	11°17	10°35	22°17	9°20	19°35	18°14	19°24	14°56	T 20
F 21	1 54 46	26°51'22	22° 3	12° 0	8° 0	18° 4	12°43	11°23	10°D35	22°17	9°19	19°26	18°11	19°31	14°53	F 21
S 22	1 58 42	27°51'06	6♂43	13°36	7°40	18°44	12°45	11°29	10°35	22°18	9°18	19°15	18° 8	19°38	14°50	S 22
S 23	2 2 39	28°50'52	21°34	15°13	7°23	19°24	12°48	11°35	10°35	22°18	9°17	19° 5	18° 5	19°44	14°47	S 23
M24	2 6 36	29°50'39	6♂27	16°51	7° 8	20° 3	12°51	11°41	10°35	22°19	9°15	18°55	18° 1	19°51	14°44	M24
T 25	2 10 32	0♂50'29	21°13	18°29	6°55	20°43	12°54	11°47	10°35	22°20	9°14	18°48	17°58	19°58	14°41	T 25
W26	2 14 29	1°50'22	5♂45	20° 9	6°45	21°23	12°57	11°53	10°36	22°20	9°13	18°43	17°55	20° 4	14°38	W26
T 27	2 18 25	2°50'16	20° 1	21°48	6°38	22° 3	13° 0	11°59	10°36	22°21	9°12	18°40	17°52	20°11	14°35	T 27
F 28	2 22 22	3°50'13	3♂57	23°28	6°33	22°43	13° 4	12° 4	10°36	22°22	9°11	18°D40	17°49	20°18	14°32	F 28
S 29	2 26 18	4°50'11	17°35	25° 8	6°30	23°23	13° 7	12°10	10°36	22°22	9°10	18°R40	17°46	20°25	14°29	S 29
S 30	2 30 15	5°50'12	0♂57	26°48	6°D30	24° 3	13°11	12°15	10°37	22°23	9° 9	18°40	17°42	20°31	14°26	S 30
M31	2 34 11	6♂50'16	14♂ 3	28♂27	6♂33	24♂43	13♂16	12♂21	10♂37	22♂24	9° 8	18♂37	17♂39	20♂38	14♂23	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	2s48	17n20	1s15	0s33	1s11	14s58	8s14	1s13	0n48	18s 2	1 s 2	9n36	1n35	18s13	0s41	21s 8	0n30	12s 5	17s20	14n32	15n 4	18s20	14n42	1s57	
S 2	3 12	14 36	0 2	0n 2	0 51	14 45	8 13	1 29	0 48	18 2	1 2	9 33	1 35	18 13	0 41	21 8	0 30	12 6	17 20	14 31	15 5	18 21	14 41	1 57	
M 3	3 35	11 7	1n10	0 34	0 31	14 32	8 12	1 45	0 48	18 2	1 2	9 31	1 35	18 13	0 41	21 8	0 30	12 6	17 20	14 32	15 6	18 22	14 40	1 57	
T 4	3 58	7 7	2 17	1 1	0 12	14 16	8 9	2 1	0 47	18 3	1 2	9 28	1 36	18 14	0 41	21 8	0 30	12 7	17 20	14 33	15 7	18 23	14 40	1 57	
W 5	4 21	2 51	3 16	1 24	0n 7	14 0	8 6	2 17	0 47	18 3	1 2	9 26	1 36	18 14	0 41	21 9	0 29	12 7	17 20	14 34	15 8	18 24	14 39	1 58	
T 6	4 45	1s29	4 3	1 41	0 24	13 42	8 1	2 33	0 47	18 3	1 1	9 23	1 36	18 14	0 41	21 9	0 29	12 7	17 20	14 37	15 9	18 25	14 38	1 58	
F 7	5 8	5 40	4 38	1 52	0 40	13 23	7 56	2 48	0 46	18 3	1 1	9 21	1 36	18 14	0 41	21 9	0 29	12 8	17 20	14 40	15 10	18 26	14 37	1 58	
S 8	5 31	9 33	4 58	1 58	0 54	13 3	7 50	3 4	0 46	18 3	1 1	9 19	1 36	18 14	0 41	21 9	0 29	12 8	17 20	14 43	15 11	18 27	14 36	1 58	
S 9	5 54	12 58	5 5	1 59	1 7	12 43	7 43	3 20	0 45	18 3	1 1	9 16	1 36	18 14	0 41	21 9	0 29	12 9	17 20	14 46	15 12	18 28	14 35	1 58	
M10	6 17	15 48	4 58	1 55	1 19	12 21	7 36	3 36	0 45	18 3	1 1	9 14	1 37	18 15	0 41	21 9	0 29	12 9	17 20	14 49	15 13	18 29	14 34	1 58	
T 11	6 39	17 57	4 38	1 46	1 29	11 59	7 27	3 52	0 45	18 3	1 1	9 11	1 37	18 15	0 41	21 9	0 29	12 10	17 20	14 51	15 14	18 30	14 34	1 59	
W12	7 2	19 18	4 6	1 32	1 38	11 36	7 18	4 7	0 44	18 3	1 1	9 9	1 37	18 15	0 41	21 9	0 29	12 10	17 20	14 53	15 15	18 31	14 33	1 59	
T 13	7 25	19 49	3 24	1 14	1 45	11 13	7 8	4 23	0 44	18 2	1 1	9 7	1 37	18 15	0 41	21 9	0 29	12 10	17 20	14 54	15 16	18 32	14 32	1 59	
F 14	7 47	19 27	2 32	0 52	1 51	10 50	6 57	4 39	0 43	18 2	1 1	9 4	1 37	18 15	0 41	21 9	0 29	12 11	17 20	14 54	15 17	18 33	14 31	1 59	
S 15	8 10	18 12	1 33	0 27	1 55	10 26	6 45	4 55	0 43	18 2	1 1	9 2	1 37	18 15	0 41	21 8	0 29	12 11	17 20	14 54	15 18	18 34	14 30	1 59	
S 16	8 32	16 3	0 29	0s 1	1 58	10 3	6 33	5 10	0 42	18 1	1 1	9 0	1 38	18 15	0 41	21 8	0 29	12 11	17 20	14 53	15 19	18 35	14 29	1 59	
M17	8 54	13 6	0s39	0 32	2 1	9 40	6 21	5 26	0 42	18 1	1 0	8 58	1 38	18 15	0 41	21 8	0 29	12 12	17 20	14 53	15 20	18 36	14 28	2 0	
T 18	9 16	9 24	1 46	1 5	2 2	9 17	6 8	5 42	0 42	18 0	1 0	8 55	1 38	18 15	0 41	21 8	0 29	12 12	17 20	14 54	15 21	18 37	14 27	2 0	
W19	9 38	5 6	2 50	1 40	2 2	8 54	5 54	5 57	0 41	17 59	1 0	8 53	1 38	18 15	0 41	21 8	0 29	12 12	17 20	14 55	15 22	18 38	14 26	2 0	
T 20	10 0	0 24	3 46	2 16	2 2	8 32	5 41	6 13	0 41	17 59	1 0	8 51	1 38	18 15	0 41	21 8	0 29	12 13	17 19	14 58	15 23	18 39	14 25	2 0	
F 21	10 22	4n26	4 29	2 54	2 0	8 10	5 27	6 28	0 40	17 58	1 0	8 49	1 38	18 15	0 41	21 8	0 29	12 13	17 19	15 0	15 24	18 40	14 24	2 0	
S 22	10 43	9 7	4 55	3 33	1 58	7 49	5 12	6 44	0 40	17 57	1 0	8 47	1 39	18 15	0 41	21 8	0 29	12 13	17 19	15 4	15 25	18 41	14 23	2 0	
S 23	11 4	13 19	5 2	4 13	1 56	7 29	4 58	6 59	0 39	17 56	1 0	8 45	1 39	18 15	0 41	21 8	0 29	12 14	17 19	15 7	15 26	18 42	14 22	2 0	
M24	11 26	16 40	4 48	4 53	1 53	7 10	4 43	7 15	0 39	17 56	1 0	8 43	1 39	18 15	0 41	21 8	0 29	12 14	17 19	15 10	15 27	18 42	14 21	2 0	
T 25	11 47	18 55	4 15	5 34	1 49	6 52	4 29	7 30	0 39	17 55	1 0	8 40	1 39	18 15	0 41	21 8	0 29	12 14	17 19	15 12	15 27	18 43	14 20	2 1	
W26	12 7	19 54	3 27	6 16	1 45	6 35	4 14	7 45	0 38	17 54	1 0	8 38	1 39	18 15	0 41	21 8	0 29	12 15	17 19	15 14	15 28	18 44	14 19	2 1	
T 27	12 28	19 34	2 26	6 57	1 40	6 18	4 0	8 1	0 38	17 53	0 59	8 36	1 39	18 15	0 41	21 8	0 29	12 15	17 19	15 14	15 29	18 45	14 18	2 1	
F 28	12 48	18 2	1 17	7 39	1 35	6 3	3 45	8 16	0 37	17 51	0 59	8 34	1 40	18 15	0 41	21 8	0 29	12 15	17 18	15 15	15 30	18 46	14 17	2 1	
S 29	13 9	15 29	0 6	8 20	1 30	5 49	3 31	8 31	0 37	17 50	0 59	8 32	1 40	18 14	0 40	21 8	0 29	12 15	17 18	15 15	15 31	18 47	14 16	2 1	
S 30	13 29	12 9	1n 5	9 2	1 24	5 36	3 17	8 46	0 36	17 49	0 59	8 31	1 40	18 14	0 40	21 7	0 29	12 16	17 18	15 15	15 32	18 48	14 15	2 1	
M31	13s49	8n17	2n10	9s43	1n19	5s24	3s 3	9s 1	0n36	17s48	0s59	8n29	1n40	18s14	0s40	21s 7	0n29	12s16	17s18	15n15	15n33	18s49	14n14	2s 1	

# ASTRODIENST EPHEMERIS for the year 1831

## geocentric

NOVEMBER 1831

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 38 8	7♈50'21	26♏57	0♈7	6♏37	25♏23	13♏20	12♏26	10♏38	22♏25	9♏R 7	18♏R32	17♏Ω36	20♏♂45	14♏R20	T 1
W 2	2 42 5	8°50'28	9♏39	1°46	6°44	26° 3	13°24	12°32	10°38	22°26	9♏Y 6	18♏Ω24	17°33	20°51	14♏♂17	W 2
T 3	2 46 1	9°50'37	22°12	3°25	6°54	26°43	13°29	12°37	10°39	22°27	9° 5	18°13	17°30	20°58	14°14	T 3
F 4	2 49 58	10°50'48	4♈134	5° 4	7° 5	27°23	13°34	12°42	10°40	22°28	9° 4	18° 0	17°26	21° 5	14°11	F 4
S 5	2 53 54	11°51'01	16°48	6°43	7°19	28° 3	13°39	12°47	10°41	22°29	9° 3	17°46	17°23	21°11	14° 7	S 5
S 6	2 57 51	12°51'16	28°53	8°21	7°34	28°43	13°44	12°52	10°41	22°30	9° 2	17°31	17°20	21°18	14° 4	S 6
M 7	3 1 47	13°51'33	10♏51	9°59	7°52	29°23	13°50	12°57	10°42	22°31	9° 1	17°18	17°17	21°25	14° 1	M 7
T 8	3 5 44	14°51'51	22°43	11°36	8°12	0♈4	13°55	13° 2	10°43	22°32	9° 0	17° 7	17°14	21°32	13°58	T 8
W 9	3 9 40	15°52'11	4♏31	13°13	8°33	0°44	14° 1	13° 7	10°44	22°33	8°59	16°58	17°11	21°38	13°55	W 9
T 10	3 13 37	16°52'32	16°20	14°50	8°57	1°24	14° 7	13°11	10°45	22°34	8°59	16°53	17° 7	21°45	13°52	T 10
F 11	3 17 34	17°52'55	28°12	16°27	9°22	2° 5	14°13	13°16	10°46	22°36	8°58	16°50	17° 4	21°52	13°49	F 11
S 12	3 21 30	18°53'19	10♏14	18° 3	9°49	2°45	14°19	13°21	10°47	22°37	8°57	16°49	17° 1	21°58	13°46	S 12
S 13	3 25 27	19°53'44	22°30	19°39	10°18	3°25	14°26	13°25	10°48	22°38	8°56	16°49	16°58	22° 5	13°43	S 13
M14	3 29 23	20°54'11	5♏6	21°14	10°48	4° 6	14°32	13°29	10°49	22°39	8°55	16°49	16°55	22°12	13°39	M14
T 15	3 33 20	21°54'39	18° 6	22°50	11°20	4°46	14°39	13°34	10°51	22°41	8°54	16°47	16°51	22°18	13°36	T 15
W16	3 37 16	22°55'09	1°Y35	24°25	11°53	5°27	14°46	13°38	10°52	22°42	8°54	16°42	16°48	22°25	13°33	W16
T 17	3 41 13	23°55'40	15°35	25°59	12°28	6° 7	14°53	13°42	10°53	22°43	8°53	16°35	16°45	22°32	13°30	T 17
F 18	3 45 9	24°56'12	0♏3	27°34	13° 4	6°48	15° 0	13°46	10°55	22°45	8°52	16°26	16°42	22°38	13°27	F 18
S 19	3 49 6	25°56'45	14°56	29° 8	13°41	7°28	15° 7	13°50	10°56	22°46	8°51	16°14	16°39	22°45	13°24	S 19
S 20	3 53 2	26°57'20	0♈5	0♏42	14°20	8° 9	15°15	13°54	10°57	22°48	8°51	16° 3	16°36	22°52	13°21	S 20
M21	3 56 59	27°57'57	15°19	2°16	15° 0	8°50	15°23	13°57	10°59	22°49	8°50	15°52	16°32	22°59	13°18	M21
T 22	4 0 56	28°58'35	0♏27	3°50	15°41	9°30	15°30	14° 1	11° 1	22°51	8°49	15°44	16°29	23° 5	13°15	T 22
W23	4 4 52	29°59'15	15°21	5°24	16°23	10°11	15°38	14° 5	11° 2	22°52	8°48	15°38	16°26	23°12	13°12	W23
T 24	4 8 49	0♏59'56	29°53	6°57	17° 7	10°52	15°47	14° 8	11° 4	22°54	8°48	15°35	16°23	23°19	13° 9	T 24
F 25	4 12 45	2° 0'39	14♏1	8°31	17°51	11°33	15°55	14°12	11° 5	22°55	8°47	15°D35	16°20	23°25	13° 6	F 25
S 26	4 16 42	3° 1'23	27°43	10° 4	18°37	12°14	16° 3	14°15	11° 7	22°57	8°47	15°R35	16°17	23°32	13° 3	S 26
S 27	4 20 38	4° 2'09	11♏3	11°37	19°24	12°54	16°12	14°18	11° 9	22°58	8°46	15°35	16°13	23°39	13° 1	S 27
M28	4 24 35	5° 2'57	24° 2	13°10	20°11	13°35	16°21	14°21	11°11	23° 0	8°45	15°33	16°10	23°45	12°58	M28
T 29	4 28 32	6° 3'46	6♏44	14°43	20°59	14°16	16°29	14°24	11°13	23° 2	8°45	15°29	16° 7	23°52	12°55	T 29
W30	4 32 28	7♏4'36	19♏13	16♏16	21♏49	14♏57	16♏38	14♏27	11♏15	23♏4	8♏Y44	15♏Ω22	16♏Ω 4	23♏♂59	12♏♂52	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s 8	4n 5	3n 8	10s23	1n13	5s13	2s49	9s16	0n35	17s46	0s59	8n27	1n40	18s14	0s40	21s 7
W 2	14 27	0s14	3 55	11 4	1 7	5 3	2 35	9 31	0 35	17 45	0 59	8 25	1 41	18 14	0 40	21 7
T 3	14 47	4 28	4 30	11 43	1 0	4 55	2 22	9 46	0 35	17 44	0 59	8 23	1 41	18 13	0 40	21 7
F 4	15 6	8 29	4 52	12 23	0 54	4 47	2 9	10 1	0 34	17 42	0 59	8 21	1 41	18 13	0 40	21 7
S 5	15 24	12 5	4 59	13 1	0 47	4 41	1 56	10 16	0 34	17 41	0 58	8 20	1 41	18 13	0 40	21 7
S 6	15 43	15 9	4 54	13 39	0 41	4 36	1 44	10 31	0 33	17 39	0 58	8 18	1 42	18 13	0 40	21 7
M 7	16 1	17 33	4 35	14 17	0 34	4 31	1 31	10 45	0 33	17 37	0 58	8 16	1 42	18 13	0 40	21 6
T 8	16 19	19 11	4 5	14 54	0 27	4 28	1 19	11 0	0 32	17 36	0 58	8 14	1 42	18 12	0 40	21 6
W 9	16 36	19 59	3 24	15 30	0 21	4 26	1 8	11 15	0 32	17 34	0 58	8 13	1 42	18 12	0 40	21 6
T 10	16 53	19 55	2 34	16 5	0 14	4 25	0 56	11 29	0 31	17 32	0 58	8 11	1 42	18 12	0 40	21 6
F 11	17 11	18 57	1 37	16 39	0 7	4 24	0 45	11 44	0 31	17 30	0 58	8 10	1 43	18 11	0 40	21 6
S 12	17 27	17 8	0 35	17 13	0 0	4 25	0 34	11 58	0 30	17 28	0 58	8 8	1 43	18 11	0 40	21 6
S 13	17 44	14 30	0s30	17 46	0s 6	4 27	0 24	12 12	0 30	17 26	0 58	8 7	1 43	18 11	0 40	21 5
M14	18 0	11 8	1 35	18 18	0 13	4 29	0 14	12 26	0 29	17 24	0 58	8 5	1 43	18 10	0 40	21 5
T 15	18 16	7 7	2 37	18 49	0 20	4 32	0 4	12 40	0 29	17 22	0 57	8 4	1 44	18 10	0 40	21 5
W16	18 31	2 38	3 33	19 19	0 26	4 37	0n 6	12 54	0 28	17 20	0 57	8 2	1 44	18 10	0 40	21 5
T 17	18 46	2n10	4 18	19 48	0 33	4 42	0 15	13 8	0 28	17 18	0 57	8 1	1 44	18 9	0 40	21 5
F 18	19 1	7 0	4 49	20 16	0 39	4 47	0 24	13 22	0 27	17 16	0 57	8 0	1 44	18 9	0 40	21 4
S 19	19 15	11 32	5 1	20 43	0 45	4 54	0 33	13 36	0 27	17 13	0 57	7 58	1 44	18 9	0 40	21 4
S 20	19 30	15 26	4 52	21 9	0 52	5 1	0 41	13 49	0 26	17 11	0 57	7 57	1 45	18 8	0 40	21 4
M21	19 43	18 18	4 22	21 35	0 58	5 9	0 50	14 3	0 26	17 9	0 57	7 56	1 45	18 8	0 40	21 4
T 22	19 57	19 53	3 35	21 59	1 4	5 18	0 57	14 16	0 25	17 6	0 57	7 55	1 45	18 7	0 40	21 4
W23	20 10	20 3	2 33	22 22	1 10	5 27	1 5	14 30	0 25	17 4	0 57	7 53	1 45	18 7	0 40	21 3
T 24	20 23	18 51	1 22	22 43	1 15	5 37	1 12	14 43	0 24	17 1	0 57	7 52	1 46	18 6	0 40	21 3
F 25	20 35	16 30	0 8	23 4	1 21	5 47	1 19	14 56	0 23	16 59	0 57	7 51	1 46	18 6	0 40	21 3
S 26	20 47	13 17	1n 4	23 24	1 26	5 59	1 26	15 9	0 23	16 56	0 56	7 50	1 46	18 5	0 40	21 3
S 27	20 58	9 27	2 11	23 42	1 31	6 10	1 32	15 22	0 22	16 54	0 56	7 49	1 46	18 5	0 40	21 2
M28	21 9	5 16	3 9	23 59	1 36	6 22	1 39	15 35	0 22	16 51	0 56	7 48	1 47	18 4	0 40	21 2
T 29	21 20	0 57	3 57	24 15	1 41	6 35	1 45	15 48	0 21	16 48	0 56	7 47	1 47	18 4	0 40	21 2
W30	21s31	3s20	4n32	24s30	1s45	6s48	1n50	16s 0	0n21	16s45	0s56	7n46	1n47	18s 3	0s40	21s 2

Julian Day Number = 2390122.5, Delta T = 9.67 sec  
 Ecliptic obliquity = 23°27'34, Nutation = - 0°00'13, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 22°23'31, Lahiri = 21°30'32

ASTRODIENST EPHEMERIS for the year 1831  
geocentric

DECEMBER 1831

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 36 25	8♂ 5'28	1♂31	17♂49	22♂39	15♂38	16♂47	14♂30	11♂17	23♂ 5	8°R44	15°R13	16♂ 1	24♂ 6	12°R49	T 1
F 2	4 40 21	9° 6'21	13°40	19°21	23°30	16°19	16°57	14°32	11°19	23° 7	8°Y43	15♂ 1	15°57	24°12	12♂47	F 2
S 3	4 44 18	10° 7'15	25°43	20°54	24°21	17° 0	17° 6	14°35	11°21	23° 9	8°43	14°48	15°54	24°19	12°44	S 3
S 4	4 48 14	11° 8'11	7♂40	22°26	25°14	17°42	17°16	14°37	11°23	23°11	8°42	14°35	15°51	24°26	12°41	S 4
M 5	4 52 11	12° 9'08	19°33	23°59	26° 7	18°23	17°25	14°40	11°25	23°12	8°42	14°23	15°48	24°32	12°39	M 5
T 6	4 56 7	13°10'05	1♂23	25°31	27° 1	19° 4	17°35	14°42	11°27	23°14	8°41	14°13	15°45	24°39	12°36	T 6
W 7	5 0 4	14°11'04	13°11	27° 3	27°55	19°45	17°45	14°44	11°29	23°16	8°41	14° 6	15°42	24°46	12°34	W 7
T 8	5 4 1	15°12'03	25° 1	28°35	28°51	20°26	17°55	14°46	11°32	23°18	8°41	14° 1	15°38	24°52	12°31	T 8
F 9	5 7 57	16°13'03	6♂56	0♂ 7	29°46	21° 8	18° 5	14°48	11°34	23°20	8°40	13°59	15°35	24°59	12°29	F 9
S 10	5 11 54	17°14'04	18°58	1°38	0♂43	21°49	18°15	14°50	11°36	23°22	8°40	13°D59	15°32	25° 6	12°26	S 10
S 11	5 15 50	18°15'05	1♂12	3° 9	1°40	22°30	18°26	14°52	11°39	23°24	8°40	13°59	15°29	25°12	12°24	S 11
M12	5 19 47	19°16'07	13°44	4°40	2°37	23°12	18°36	14°53	11°41	23°26	8°39	14°R 0	15°26	25°19	12°21	M12
T 13	5 23 43	20°17'09	26°38	6° 9	3°35	23°53	18°47	14°55	11°43	23°28	8°39	14° 0	15°23	25°26	12°19	T 13
W14	5 27 40	21°18'12	9°Y59	7°39	4°33	24°35	18°57	14°56	11°46	23°30	8°39	13°58	15°19	25°33	12°17	W14
T 15	5 31 36	22°19'15	23°48	9° 7	5°32	25°16	19° 8	14°58	11°48	23°32	8°39	13°55	15°16	25°39	12°15	T 15
F 16	5 35 33	23°20'19	8♂ 8	10°35	6°32	25°58	19°19	14°59	11°51	23°34	8°39	13°49	15°13	25°46	12°12	F 16
S 17	5 39 30	24°21'23	22°54	12° 1	7°32	26°39	19°30	15° 0	11°54	23°36	8°38	13°41	15°10	25°53	12°10	S 17
S 18	5 43 26	25°22'27	8♂ 1	13°26	8°32	27°21	19°41	15° 1	11°56	23°38	8°38	13°33	15° 7	25°59	12° 8	S 18
M19	5 47 23	26°23'32	23°20	14°50	9°33	28° 2	19°52	15° 2	11°59	23°40	8°38	13°26	15° 3	26° 6	12° 6	M19
T 20	5 51 19	27°24'38	8♂39	16°11	10°34	28°44	20° 4	15° 3	12° 2	23°42	8°38	13°20	15° 0	26°13	12° 4	T 20
W21	5 55 16	28°25'44	23°47	17°30	11°36	29°26	20°15	15° 3	12° 4	23°44	8°38	13°17	14°57	26°19	12° 2	W21
T 22	5 59 12	29°26'50	8♂35	18°47	12°38	0♂ 8	20°27	15° 4	12° 7	23°46	8°38	13°D15	14°54	26°26	12° 1	T 22
F 23	6 3 9	0♂27'57	22°59	20° 0	13°40	0°49	20°38	15° 4	12°10	23°48	8°38	13°15	14°51	26°33	11°59	F 23
S 24	6 7 5	1°29'05	6♂54	21°10	14°43	1°31	20°50	15° 4	12°13	23°50	8°D38	13°17	14°48	26°39	11°57	S 24
S 25	6 11 2	2°30'13	20°23	22°15	15°46	2°13	21° 2	15° 5	12°16	23°52	8°38	13°18	14°44	26°46	11°55	S 25
M26	6 14 59	3°31'22	3♂26	23°16	16°50	2°55	21°14	15°R 5	12°18	23°55	8°38	13°R19	14°41	26°53	11°54	M26
T 27	6 18 55	4°32'31	16° 8	24°10	17°54	3°37	21°26	15° 5	12°21	23°57	8°38	13°18	14°38	27° 0	11°52	T 27
W28	6 22 52	5°33'41	28°33	24°59	18°58	4°19	21°38	15° 5	12°24	23°59	8°38	13°15	14°35	27° 6	11°51	W28
T 29	6 26 48	6°34'52	10♂44	25°39	20° 2	5° 1	21°50	15° 4	12°27	24° 1	8°38	13°11	14°32	27°13	11°49	T 29
F 30	6 30 45	7°36'02	22°45	26°12	21° 7	5°43	22° 2	15° 4	12°30	24° 3	8°38	13° 5	14°29	27°20	11°48	F 30
S 31	6 34 41	8♂37'13	4♂41	26♂35	22♂12	6♂25	22♂15	15♂ 4	12♂33	24♂ 6	8°Y38	12♂59	14♂25	27♂26	11♂46	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
T 1	21s40	7s25	4n54	24s43	1s50	7s 1	1n56	16s13	0n20	16s42	0s56	7n46	1n47	18s 3	0s40	21s 1	0n28	12s18	17s10	16n17	16n 3	19s17	13n44	2s 4					
F 2	21 50	11 9	5 2	24 55	1 54	7 15	2 1	16 25	0 20	16 40	0 56	7 45	1 48	18 2	0 40	21 1	0 28	12 18	17 10	16 21	16 4	19 17	13 43	2 4					
S 3	21 59	14 24	4 57	25 6	1 58	7 30	2 6	16 37	0 19	16 37	0 56	7 44	1 48	18 1	0 39	21 1	0 28	12 18	17 9	16 25	16 5	19 18	13 42	2 4					
S 4	22 8	17 2	4 39	25 15	2 1	7 44	2 11	16 50	0 19	16 34	0 56	7 43	1 48	18 1	0 39	21 0	0 28	12 18	17 9	16 28	16 6	19 19	13 42	2 4					
M 5	22 16	18 55	4 8	25 24	2 4	7 59	2 15	17 2	0 18	16 31	0 56	7 43	1 48	18 0	0 39	21 0	0 28	12 18	17 9	16 32	16 7	19 20	13 41	2 4					
T 6	22 24	20 0	3 27	25 30	2 7	8 15	2 20	17 13	0 17	16 28	0 56	7 42	1 49	17 59	0 39	21 0	0 28	12 17	17 8	16 35	16 8	19 21	13 40	2 4					
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S 10	22 51	15 35	0s27	25 42	2 15	9 19	2 35	18 0	0 15	16 15	0 55	7 40	1 50	17 57	0 39	20 59	0 28	12 17	17 7	16 39	16 12	19 24	13 37	2 4					
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T 27	23 23	2s 5	4 37	22 22	1 6	14 14	3 4	20 49	0 5	15 14	0 54	7 38	1 54	17 44	0 39	20 53	0 28	12 12	17 1	16 51	16 27	19 37	13 27	2 4					
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S 31	23s11	16s21	4n49	21s 1	0s10	15s22	3n 4	21s22	0n 2	14s58	0s54	7n40	1n55	17s41	0s39	20s52	0n27	12s10	16s59	16n56	16n31	19s40	13n25	2s 4					