



# Astrodienst Ephemeris Tables for the year 1856

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 1856  
geocentric

JANUARY 1856

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 39 22	9♌49'01	15♊15	9♌50	24♍7	8♌8	0♈45	25°R30	17°R 6	15♌45	2°R46	1°D 2	0♌11	14♍7	27♌56	T 1
W 2	6 43 19	10°50'11	27°20	11°27	25°14	8°34	0°57	25II25	17♌4	15°46	2♌45	1°R 3	0° 7	14°14	28° 1	W 2
T 3	6 47 16	11°51'22	9♍42	13° 5	26°22	8°59	1° 8	25°20	17° 3	15°47	2°45	1♌2	0° 4	14°21	28° 6	T 3
F 4	6 51 12	12°52'33	22°24	14°42	27°29	9°23	1°20	25°16	17° 2	15°49	2°45	1° 0	0° 1	14°27	28°11	F 4
S 5	6 55 9	13°53'44	5♌30	16°20	28°37	9°48	1°32	25°11	17° 1	15°50	2°45	0°56	29♍58	14°34	28°16	S 5
S 6	6 59 5	14°54'55	19° 3	17°59	29°45	10°12	1°44	25° 7	17° 0	15°51	2°44	0°49	29°55	14°41	28°21	S 6
M 7	7 3 2	15°56'06	3♌1	19°37	0♌53	10°36	1°56	25° 2	16°59	15°53	2°44	0°39	29°52	14°47	28°26	M 7
T 8	7 6 58	16°57'17	17°21	21°17	2° 2	11° 0	2° 9	24°58	16°58	15°54	2°44	0°27	29°48	14°54	28°31	T 8
W 9	7 10 55	17°58'28	1♌57	22°56	3°10	11°23	2°21	24°53	16°57	15°55	2°44	0°15	29°45	15° 1	28°37	W 9
T 10	7 14 51	18°59'38	16°42	24°36	4°19	11°46	2°33	24°49	16°57	15°57	2°44	0° 4	29°42	15° 7	28°42	T 10
F 11	7 18 48	20° 0'48	1♌26	26°16	5°28	12° 9	2°46	24°45	16°56	15°58	2°43	29♍55	29°39	15°14	28°47	F 11
S 12	7 22 45	21° 1'57	16° 3	27°57	6°37	12°31	2°58	24°41	16°55	16° 0	2°43	29°48	29°36	15°21	28°52	S 12
S 13	7 26 41	22° 3'05	0♍28	29°38	7°46	12°53	3°11	24°37	16°54	16° 1	2°43	29°45	29°32	15°28	28°57	S 13
M14	7 30 38	23° 4'13	14°37	1♌19	8°55	13°15	3°24	24°33	16°54	16° 3	2°43	29°43	29°29	15°34	29° 2	M14
T 15	7 34 34	24° 5'20	28°30	3° 1	10° 5	13°36	3°36	24°29	16°53	16° 4	2°43	29°43	29°26	15°41	29° 7	T 15
W16	7 38 31	25° 6'26	12♌7	4°42	11°14	13°57	3°49	24°25	16°53	16° 6	2°43	29°43	29°23	15°48	29°13	W16
T 17	7 42 27	26° 7'31	25°31	6°24	12°24	14°18	4° 2	24°21	16°52	16° 7	2°D43	29°41	29°20	15°54	29°18	T 17
F 18	7 46 24	27° 8'36	8♌II41	8° 5	13°34	14°39	4°15	24°17	16°52	16° 9	2°43	29°37	29°17	16° 1	29°23	F 18
S 19	7 50 20	28° 9'40	21°40	9°47	14°44	14°59	4°28	24°13	16°51	16°11	2°43	29°29	29°13	16° 8	29°28	S 19
S 20	7 54 17	29°10'43	4♌29	11°28	15°54	15°18	4°41	24°10	16°51	16°12	2°43	29°19	29°10	16°14	29°33	S 20
M21	7 58 14	0♌11'45	17° 6	13° 9	17° 4	15°38	4°54	24° 6	16°51	16°14	2°43	29° 6	29° 7	16°21	29°38	M21
T 22	8 2 10	1°12'46	29°34	14°49	18°14	15°57	5° 7	24° 3	16°51	16°16	2°43	28°51	29° 4	16°28	29°44	T 22
W23	8 6 7	2°13'47	11♌21	16°28	19°25	16°15	5°21	23°59	16°51	16°17	2°43	28°37	29° 1	16°34	29°49	W23
T 24	8 10 3	3°14'47	23°59	18° 6	20°35	16°33	5°34	23°56	16°50	16°19	2°44	28°23	28°58	16°41	29°54	T 24
F 25	8 14 0	4°15'46	5♍57	19°42	21°46	16°51	5°47	23°53	16°D50	16°21	2°44	28°12	28°54	16°48	29°59	F 25
S 26	8 17 56	5°16'44	17°49	21°17	22°56	17° 8	6° 1	23°50	16°50	16°23	2°44	28° 3	28°51	16°54	0♌4	S 26
S 27	8 21 53	6°17'41	29°37	22°49	24° 7	17°25	6°14	23°47	16°50	16°25	2°44	27°57	28°48	17° 1	0° 9	S 27
M28	8 25 49	7°18'38	11♌25	24°18	25°18	17°42	6°28	23°44	16°51	16°26	2°44	27°54	28°45	17° 8	0°15	M28
T 29	8 29 46	8°19'34	23°18	25°44	26°29	17°58	6°42	23°41	16°51	16°28	2°45	27°D53	28°42	17°14	0°20	T 29
W30	8 33 43	9°20'30	5♍21	27° 6	27°40	18°13	6°55	23°38	16°51	16°30	2°45	27°R53	28°38	17°21	0°25	W30
T 31	8 37 39	10°21'24	17♍38	28°23	28♌51	18♌28	7♈9	23II36	16♌51	16♈32	2♌45	27♍53	28♍35	17♍28	0°30	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	23s 6	4s44	1n23	24s52	1s47	16s 0	2n54	1s 8	2n17	12s11	1s 2	22n11	1s12	16n39	0s19	6s36
W 2	23 1	10 14	0 20	24 48	1 50	16 17	2 53	1 17	2 17	12 6	1 2	22 11	1 12	16 38	0 19	6 36
T 3	22 56	15 27	0s46	24 42	1 53	16 34	2 52	1 27	2 18	12 2	1 1	22 11	1 12	16 38	0 19	6 35
F 4	22 50	20 10	1 51	24 35	1 56	16 50	2 51	1 36	2 19	11 58	1 1	22 11	1 11	16 38	0 19	6 35
S 5	22 44	24 3	2 52	24 26	1 59	17 6	2 50	1 44	2 20	11 54	1 1	22 11	1 11	16 37	0 19	6 34
S 6	22 37	26 45	3 45	24 15	2 1	17 22	2 49	1 53	2 21	11 49	1 1	22 11	1 11	16 37	0 19	6 34
M 7	22 30	27 52	4 27	24 3	2 3	17 37	2 48	2 2	2 21	11 45	1 1	22 11	1 11	16 37	0 19	6 33
T 8	22 23	27 10	4 53	23 49	2 4	17 52	2 46	2 10	2 22	11 40	1 1	22 11	1 11	16 37	0 19	6 33
W 9	22 15	24 37	5 0	23 34	2 6	18 7	2 45	2 19	2 23	11 36	1 1	22 11	1 11	16 36	0 19	6 32
T 10	22 7	20 25	4 48	23 18	2 6	18 21	2 43	2 27	2 24	11 31	1 1	22 11	1 11	16 36	0 19	6 32
F 11	21 58	14 58	4 17	22 59	2 7	18 35	2 41	2 35	2 25	11 27	1 1	22 11	1 10	16 36	0 19	6 31
S 12	21 49	8 43	3 29	22 39	2 7	18 49	2 40	2 43	2 26	11 22	1 1	22 11	1 10	16 36	0 19	6 31
S 13	21 39	2 5	2 28	22 18	2 6	19 2	2 38	2 51	2 26	11 18	1 1	22 11	1 10	16 36	0 19	6 30
M14	21 29	4n33	1 19	21 55	2 5	19 15	2 36	2 58	2 27	11 13	1 1	22 11	1 10	16 36	0 19	6 29
T 15	21 19	10 51	0 6	21 30	2 3	19 27	2 34	3 6	2 28	11 8	1 1	22 11	1 10	16 35	0 19	6 29
W16	21 8	16 31	1 5	21 4	2 1	19 39	2 31	3 13	2 29	11 3	1 1	22 11	1 10	16 35	0 19	6 28
T 17	20 57	21 17	2 12	20 36	1 58	19 50	2 29	3 21	2 30	10 59	1 1	22 11	1 9	16 35	0 19	6 27
F 18	20 45	24 54	3 10	20 7	1 55	20 1	2 27	3 28	2 31	10 54	1 0	22 11	1 9	16 35	0 19	6 27
S 19	20 33	27 9	3 58	19 36	1 51	20 12	2 24	3 35	2 31	10 49	1 0	22 11	1 9	16 35	0 19	6 26
S 20	20 20	27 55	4 32	19 4	1 47	20 22	2 22	3 41	2 32	10 44	1 0	22 11	1 9	16 35	0 19	6 25
M21	20 8	27 12	4 53	18 31	1 42	20 31	2 19	3 48	2 33	10 39	1 0	22 11	1 9	16 35	0 19	6 25
T 22	19 54	25 8	4 59	17 56	1 36	20 40	2 17	3 55	2 34	10 35	1 0	22 11	1 8	16 35	0 19	6 24
W23	19 41	21 55	4 52	17 20	1 29	20 49	2 14	4 1	2 35	10 30	1 0	22 11	1 8	16 35	0 19	6 23
T 24	19 27	17 47	4 31	16 43	1 22	20 57	2 11	4 7	2 36	10 25	1 0	22 11	1 8	16 35	0 19	6 23
F 25	19 13	13 1	3 58	16 5	1 13	21 4	2 8	4 13	2 37	10 20	1 0	22 11	1 8	16 35	0 19	6 22
S 26	18 58	7 48	3 15	15 26	1 5	21 11	2 5	4 19	2 37	10 15	1 0	22 11	1 8	16 35	0 19	6 21
S 27	18 43	2 21	2 24	14 47	0 55	21 18	2 2	4 24	2 38	10 10	1 0	22 11	1 8	16 35	0 19	6 21
M28	18 28	3s12	1 26	14 8	0 44	21 23	1 59	4 30	2 39	10 5	1 0	22 11	1 7	16 35	0 19	6 20
T 29	18 12	8 41	0 24	13 28	0 33	21 29	1 56	4 35	2 40	10 0	1 0	22 11	1 7	16 35	0 19	6 19
W30	17 56	13 56	0s39	12 48	0 20	21 33	1 53	4 40	2 41	9 54	1 0	22 12	1 7	16 35	0 19	6 18
T 31	17s40	18s45	1s43	12s 9	0s 7	21s37	1n50	4s45	2n42	9s49	1s 0	22n12	1s 7	16n35	0s19	6s18

Julian Day Number = 2398949.5, Delta T = 10.15 sec  
Ecliptic obliquity = 23°27'36", Nutation = - 0°00'08", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°43'46", Lahiri = 21°50'46"

## ASTRODIENST EPHEMERIS for the year 1856

### geocentric

**FEBRUARY 1856**

00:00 UT

Day	Sid.t	☉	☽	♈	♀	♊	♈	♏	♏	♏	♏	♏	♏	♏	♏	♏	Day
F 1	8 41 36	11≈22°18	0♌16	29≈35	0♋2	18♊43	7♈23	23°R33	16♊52	16♈34	2♌46	27°R51	28°V32	17♎34	0≈35	F 1	
S 2	8 45 32	12°23'11	13°20	0♈40	1°14	18°57	7°37	23°II31	16°52	16°36	2°46	27°V48	28°29	17°41	0°40	S 2	
S 3	8 49 29	13°24'04	26°52	1°39	2°25	19°10	7°50	23°29	16°52	16°38	2°46	27°42	28°26	17°48	0°45	S 3	
M 4	8 53 25	14°24'55	10♌54	2°30	3°36	19°23	8° 4	23°26	16°53	16°40	2°47	27°33	28°23	17°54	0°50	M 4	
T 5	8 57 22	15°25'45	25°24	3°12	4°48	19°36	8°18	23°24	16°53	16°42	2°47	27°22	28°19	18° 1	0°55	T 5	
W 6	9 1 19	16°26'35	10≈15	3°46	5°59	19°48	8°32	23°22	16°54	16°44	2°47	27°11	28°16	18° 8	1° 0	W 6	
T 7	9 5 15	17°27'23	25°20	4° 9	7°11	19°59	8°46	23°20	16°55	16°46	2°48	27° 0	28°13	18°15	1° 5	T 7	
F 8	9 9 12	18°28'09	10♈27	4°22	8°23	20°10	9° 0	23°19	16°55	16°48	2°48	26°52	28°10	18°21	1°10	F 8	
S 9	9 13 8	19°28'54	25°28	4°R24	9°35	20°20	9°14	23°17	16°56	16°50	2°49	26°46	28° 7	18°28	1°15	S 9	
S 10	9 17 5	20°29'38	10♌14	4°16	10°46	20°30	9°28	23°15	16°57	16°52	2°49	26°42	28° 4	18°35	1°20	S 10	
M11	9 21 1	21°30'20	24°40	3°57	11°58	20°39	9°43	23°14	16°58	16°54	2°50	26°D41	28° 0	18°41	1°25	M11	
T 12	9 24 58	22°31'00	8♊43	3°27	13°10	20°48	9°57	23°12	16°59	16°56	2°50	26°41	27°57	18°48	1°30	T 12	
W13	9 28 54	23°31'38	22°23	2°48	14°22	20°56	10°11	23°11	17° 0	16°59	2°51	26°R42	27°54	18°55	1°35	W13	
T 14	9 32 51	24°32'15	5♐43	2° 1	15°34	21° 3	10°25	23°10	17° 1	17° 1	2°52	26°41	27°51	19° 1	1°40	T 14	
F 15	9 36 48	25°32'51	18°44	1° 6	16°46	21°10	10°39	23° 9	17° 2	17° 3	2°52	26°39	27°48	19° 8	1°45	F 15	
S 16	9 40 44	26°33'24	1♌29	0° 6	17°58	21°16	10°54	23° 8	17° 3	17° 5	2°53	26°33	27°44	19°15	1°49	S 16	
S 17	9 44 41	27°33'56	14° 2	29≈1	19°10	21°21	11° 8	23° 7	17° 4	17° 7	2°54	26°26	27°41	19°21	1°54	S 17	
M18	9 48 37	28°34'25	26°23	27°54	20°23	21°26	11°22	23° 7	17° 5	17° 9	2°54	26°16	27°38	19°28	1°59	M18	
T 19	9 52 34	29°34'54	8♊36	26°47	21°35	21°30	11°37	23° 6	17° 6	17°12	2°55	26° 5	27°35	19°35	2° 4	T 19	
W20	9 56 30	0♈35'20	20°41	25°40	22°47	21°33	11°51	23° 6	17° 8	17°14	2°56	25°54	27°32	19°41	2° 8	W20	
T 21	10 0 27	1°35'45	2♎39	24°36	23°59	21°36	12° 6	23° 5	17° 9	17°16	2°56	25°43	27°29	19°48	2°13	T 21	
F 22	10 4 23	2°36'08	14°32	23°37	25°12	21°38	12°20	23° 5	17°10	17°18	2°57	25°35	27°25	19°55	2°18	F 22	
S 23	10 8 20	3°36'29	26°22	22°42	26°24	21°39	12°34	23° 5	17°12	17°20	2°58	25°28	27°22	20° 1	2°22	S 23	
S 24	10 12 16	4°36'49	8♏10	21°53	27°37	21°R40	12°49	23°D 5	17°13	17°23	2°59	25°24	27°19	20° 8	2°27	S 24	
M25	10 16 13	5°37'07	19°59	21°11	28°49	21°40	13° 3	23° 5	17°15	17°25	2°59	25°D22	27°16	20°15	2°31	M25	
T 26	10 20 10	6°37'23	1♎54	20°36	0≈2	21°39	13°18	23° 5	17°16	17°27	3° 0	25°22	27°13	20°21	2°36	T 26	
W27	10 24 6	7°37'39	13°57	20° 7	1°14	21°37	13°32	23° 6	17°18	17°29	3° 1	25°23	27°10	20°28	2°40	W27	
T 28	10 28 3	8°37'52	26°13	19°46	2°27	21°35	13°47	23° 6	17°20	17°32	3° 2	25°25	27° 6	20°35	2°45	T 28	
F 29	10 31 59	9♈38'05	8♊48	19≈32	3≈39	21♏32	14♈1	23°II 7	17♊22	17♈34	3♌3	25°R25	27°V 3	20♎41	2≈49	F 29	

[illegible]

Julian Day Number = 2398980.5. Delta T = 10.13 sec

Ecliptic obliquity =  $23^{\circ}27'37''$ , Nutation =  $-0^{\circ}00'07''$ , out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°43'50. Lahiri = 21°50'51

# ASTRODIENST EPHEMERIS for the year 1856

## geocentric

MARCH 1856

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 35 56	10 <sup>h</sup> 38'15	21 <sup>h</sup> 46	19°R25	4 <sup>h</sup> 52	21°R28	14 <sup>h</sup> 16	23 <sup>h</sup> 7	17 <sup>h</sup> 23	17 <sup>h</sup> 36	3 <sup>h</sup> 4	25°R25	27 <sup>h</sup> 0	20 <sup>h</sup> 48	2 <sup>h</sup> 53	S 1
S 2	10 39 52	11°38'25	5 <sup>h</sup> 11	19°D25	6° 5	21 <sup>h</sup> 23	14°30	23° 8	17°25	17°38	3° 5	25 <sup>h</sup> 22	26°57	20°55	2°58	S 2
M 3	10 43 49	12°38'32	19° 5	19 <sup>h</sup> 31	7°17	21°17	14°45	23° 9	17°27	17°41	3° 6	25°18	26°54	21° 1	3° 2	M 3
T 4	10 47 46	13°38'38	3 <sup>h</sup> 28	19°43	8°30	21°11	14°59	23°10	17°29	17°43	3° 7	25°12	26°50	21° 8	3° 6	T 4
W 5	10 51 42	14°38'43	18°16	20° 1	9°43	21° 4	15°14	23°11	17°31	17°45	3° 7	25° 6	26°47	21°15	3°10	W 5
T 6	10 55 39	15°38'45	3 <sup>h</sup> 23	20°24	10°56	20°56	15°28	23°12	17°33	17°47	3° 8	25° 0	26°44	21°21	3°15	T 6
F 7	10 59 35	16°38'46	18°38	20°52	12° 9	20°47	15°43	23°14	17°35	17°50	3° 9	24°55	26°41	21°28	3°19	F 7
S 8	11 3 32	17°38'45	3 <sup>h</sup> 52	21°24	13°21	20°38	15°57	23°15	17°37	17°52	3°10	24°51	26°38	21°35	3°23	S 8
S 9	11 7 28	18°38'41	18°55	22° 1	14°34	20°28	16°12	23°17	17°39	17°54	3°11	24°D50	26°35	21°41	3°27	S 9
M10	11 11 25	19°38'36	3 <sup>h</sup> 38	22°42	15°47	20°17	16°26	23°18	17°41	17°57	3°12	24°50	26°31	21°48	3°31	M10
T 11	11 15 21	20°38'28	17°56	23°27	17° 0	20° 5	16°41	23°20	17°43	17°59	3°14	24°51	26°28	21°55	3°35	T 11
W12	11 19 18	21°38'19	1 <sup>h</sup> 49	24°15	18°13	19°53	16°55	23°22	17°46	18° 1	3°15	24°53	26°25	22° 1	3°39	W12
T 13	11 23 14	22°38'07	15°15	25° 7	19°26	19°39	17°10	23°24	17°48	18° 3	3°16	24°54	26°22	22° 8	3°42	T 13
F 14	11 27 11	23°37'53	28°18	26° 1	20°39	19°25	17°24	23°26	17°50	18° 6	3°17	24°R54	26°19	22°15	3°46	F 14
S 15	11 31 8	24°37'36	1 <sup>h</sup> 51	26°59	21°52	19°11	17°39	23°28	17°53	18° 8	3°18	24°53	26°15	22°21	3°50	S 15
S 16	11 35 4	25°37'17	23°27	27°59	23° 5	18°55	17°53	23°31	17°55	18°10	3°19	24°50	26°12	22°28	3°54	S 16
M17	11 39 1	26°36'56	5 <sup>h</sup> 40	29° 2	24°18	18°39	18° 8	23°33	17°57	18°12	3°20	24°46	26° 9	22°35	3°57	M17
T 18	11 42 57	27°36'33	17°43	0 <sup>h</sup> 8	25°31	18°23	18°22	23°36	18° 0	18°15	3°21	24°42	26° 6	22°41	4° 1	T 18
W19	11 46 54	28°36'08	29°39	1°16	26°44	18° 6	18°37	23°38	18° 2	18°17	3°22	24°37	26° 3	22°48	4° 4	W19
T 20	11 50 50	29°35'40	1 <sup>h</sup> 31	2°26	27°57	17°48	18°51	23°41	18° 5	18°19	3°24	24°33	26° 0	22°55	4° 8	T 20
F 21	11 54 47	0 <sup>h</sup> 35'10	23°20	3°38	29°10	17°29	19° 5	23°44	18° 8	18°21	3°25	24°29	25°56	23° 1	4°11	F 21
S 22	11 58 43	1°34'38	5 <sup>h</sup> 49	4°52	0 <sup>h</sup> 23	17°10	19°20	23°47	18°10	18°24	3°26	24°26	25°53	23° 8	4°15	S 22
S 23	12 2 40	2°34'04	17° 0	6° 8	1°36	16°51	19°34	23°50	18°13	18°26	3°27	24°25	25°50	23°15	4°18	S 23
M24	12 6 37	3°33'28	28°55	7°26	2°49	16°30	19°48	23°53	18°15	18°28	3°28	24°D25	25°47	23°21	4°21	M24
T 25	12 10 33	4°32'50	10 <sup>h</sup> 56	8°45	4° 2	16°10	20° 3	23°56	18°18	18°30	3°30	24°26	25°44	23°28	4°24	T 25
W26	12 14 30	5°32'11	23° 6	10° 7	5°15	15°49	20°17	23°59	18°21	18°33	3°31	24°27	25°41	23°35	4°28	W26
T 27	12 18 26	6°31'29	5 <sup>h</sup> 29	11°30	6°28	15°28	20°31	24° 3	18°24	18°35	3°32	24°29	25°37	23°41	4°31	T 27
F 28	12 22 23	7°30'46	18° 7	12°55	7°41	15° 6	20°45	24° 6	18°27	18°37	3°33	24°30	25°34	23°48	4°34	F 28
S 29	12 26 19	8°30'01	1 <sup>h</sup> 35	14°21	8°55	14°44	21° 0	24°10	18°29	18°39	3°34	24°31	25°31	23°55	4°37	S 29
S 30	12 30 16	9°29'14	14°24	15°49	10° 8	14°21	21°14	24°14	18°32	18°41	3°36	24°R31	25°28	24° 1	4°40	S 30
M31	12 34 12	10 <sup>h</sup> 28'26	28 <sup>h</sup> 38	17 <sup>h</sup> 18	11 <sup>h</sup> 21	13 <sup>h</sup> 59	21 <sup>h</sup> 28	24 <sup>h</sup> 18	18 <sup>h</sup> 35	18 <sup>h</sup> 43	3 <sup>h</sup> 37	24 <sup>h</sup> 30	25 <sup>h</sup> 25	24 <sup>h</sup> 8	4 <sup>h</sup> 42	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	7s35	27s30	4s18	13s10	1n56	18s57	0n 7	5s32	3n 3	7s 7	1s 0	22n16	1s 1	16n45	0s18	S 1
S 2	7 12	28 12	4 51	13 24	1 42	18 42	0 4	5 30	3 4	7 2	1 0	22 17	1 0	16 46	0 18	S 2
M 3	6 49	27 11	5 8	13 35	1 28	18 27	0 1	5 28	3 4	6 56	1 0	22 17	1 0	16 46	0 18	M 3
T 4	6 26	24 22	5 6	13 44	1 15	18 12	0s 3	5 25	3 4	6 51	1 0	22 17	1 0	16 47	0 18	T 4
W 5	6 3 19	53 4	4 45	13 51	1 1	17 56	0 6	5 22	3 5	6 45	1 0	22 17	1 0	16 47	0 18	W 5
T 6	5 40	14 3	4 3	13 56	0 48	17 39	0 9	5 19	3 5	6 39	1 0	22 18	1 0	16 48	0 18	T 6
F 7	5 17	7 19	3 4	14 0	0 35	17 22	0 12	5 16	3 5	6 34	1 0	22 18	0 59	16 48	0 18	F 7
S 8	4 53	0 10	1 52	14 1	0 23	17 4	0 15	5 12	3 5	6 28	1 0	22 18	0 59	16 49	0 18	S 8
S 9	4 30	6n55	0 32	14 1	0 11	16 46	0 18	5 8	3 5	6 23	1 0	22 18	0 59	16 50	0 18	S 9
M10	4 6	13 29	0n48	13 59	0s 1	16 28	0 21	5 4	3 5	6 17	1 0	22 19	0 59	16 50	0 18	M10
T 11	3 43	19 9	2 3	13 55	0 12	16 8	0 24	5 0	3 5	6 11	1 0	22 19	0 59	16 51	0 18	T 11
W12	3 19	23 37	3 8	13 49	0 23	15 49	0 27	4 55	3 5	6 6	1 0	22 19	0 58	16 52	0 18	W12
T 13	2 56	26 38	4 1	13 42	0 34	15 29	0 30	4 50	3 5	6 0	1 0	22 20	0 58	16 52	0 18	T 13
F 14	2 32	28 7	4 40	13 32	0 44	15 9	0 33	4 45	3 5	5 55	1 1	22 20	0 58	16 53	0 18	F 14
S 15	2 8	28 3	5 4	13 22	0 53	14 48	0 36	4 40	3 5	5 49	1 1	22 20	0 58	16 54	0 18	S 15
S 16	1 44	26 33	5 13	13 9	1 2	14 27	0 39	4 34	3 4	5 43	1 1	22 20	0 58	16 54	0 18	S 16
M17	1 21	23 50	5 7	12 56	1 11	14 5	0 41	4 29	3 4	5 38	1 1	22 21	0 57	16 55	0 18	M17
T 18	0 57	20 6	4 48	12 40	1 19	13 43	0 44	4 23	3 4	5 32	1 1	22 21	0 57	16 56	0 18	T 18
W19	0 33	15 37	4 17	12 23	1 27	13 21	0 47	4 17	3 3	5 27	1 1	22 21	0 57	16 56	0 18	W19
T 20	0 10	10 33	3 34	12 5	1 34	12 58	0 49	4 10	3 3	5 21	1 1	22 22	0 57	16 57	0 18	T 20
F 21	0n14	5 8	2 43	11 45	1 41	12 35	0 52	4 4	3 2	5 15	1 1	22 22	0 57	16 58	0 18	F 21
S 22	0 38	0s27	1 44	11 24	1 47	12 11	0 54	3 58	3 1	5 10	1 1	22 22	0 56	16 59	0 18	S 22
S 23	1 1	6 3	0 41	11 1	1 53	11 48	0 56	3 51	3 0	5 4	1 1	22 23	0 56	16 59	0 18	S 23
M24	1 25	11 29	0s25	10 38	1 59	11 23	0 59	3 44	2 59	4 59	1 1	22 23	0 56	17 0	0 17	M24
T 25	1 49	16 33	1 30	10 12	2 4	10 59	1 1	3 37	2 59	4 53	1 1	22 23	0 56	17 1	0 17	T 25
W26	2 12	21 1	2 32	9 46	2 8	10 34	1 3	3 30	2 57	4 48	1 1	22 24	0 56	17 2	0 17	W26
T 27	2 36	24 39	3 28	9 18	2 12	10 9	1 5	3 23	2 56	4 42	1 1	22 24	0 56	17 2	0 17	T 27
F 28	2 59	27 10	4 15	8 48	2 16	9 44	1 7	3 15	2 55	4 37	1 1	22 24	0 55	17 3	0 17	F 28
S 29	3 22	28 18	4 51	8 18	2 19	9 18	1 9	3 8	2 54	4 31	1 2	22 25	0 55	17 4	0 17	S 29
S 30	3 46	27 51	5 12	7 46	2 21	8 52	1 11	3 1	2 53	4 26	1 2	22 25	0 55	17 5	0 17	S 30
M31	4n 9	25s42	5s16	7s13	2s23	8s26	1s13	2s53	2n51	4s20	1s 2	22n25	0s55	17n 6	0s17	M31

Julian Day Number = 2399009.5, Delta T = 10.11 sec  
 Ecliptic obliquity = 23°27'37, Nutation = - 0°00'07, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 22°43'54, Lahiri = 21°50'55

# ASTRODIENST EPHEMERIS for the year 1856

## geocentric

APRIL 1856

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 38 9	11°27'35	12°18'18	18°50'50	12°34'34	13°R36	21°42'42	24°II21	18°38'38	18°46'46	3°38'38	24°R29	25°Y21	24°M15	4°45'45	T 1
W 2	12 42 6	12°26'43	26°50'50	20°22'22	13°47'47	13°13'13	21°56'56	24°25'25	18°41'41	18°48'48	3°40'40	24°Y28	25°18'18	24°21'21	4°48'48	W 2
T 3	12 46 2	13°25'49	11°43'43	21°56'56	15°1'1	12°50'50	22°10'10	24°30'30	18°44'44	18°50'50	3°41'41	24°26'26	25°15'15	24°28'28	4°51'51	T 3
F 4	12 49 59	14°24'53	26°47'47	23°32'32	16°14'14	12°27'27	22°24'24	24°34'34	18°47'47	18°52'52	3°42'42	24°25'25	25°12'12	24°35'35	4°53'53	F 4
S 5	12 53 55	15°23'55	11°56'56	25°9'9	17°27'27	12°3'3	22°38'38	24°38'38	18°50'50	18°54'54	3°44'44	24°25'25	25°9'9	24°41'41	4°56'56	S 5
S 6	12 57 52	16°22'55	27°0'0	26°48'48	18°40'40	11°40'40	22°52'52	24°42'42	18°53'53	18°56'56	3°45'45	24°D24	25°6'6	24°48'48	4°58'58	S 6
M 7	13 1 48	17°21'53	11°49'49	28°28'28	19°53'53	11°17'17	23°6'6	24°47'47	18°56'56	18°58'58	3°46'46	24°25'25	25°2'2	24°55'55	5°1'1	M 7
T 8	13 5 45	18°20'49	26°18'18	0°Y9	21°7'7	10°54'54	23°20'20	24°51'51	18°59'59	19°0'0	3°47'47	24°25'25	24°59'59	25°1'1	5°3'3	T 8
W 9	13 9 41	19°19'43	10°II21	1°53'53	22°20'20	10°32'32	23°33'33	24°56'56	19°2'2	19°2'2	3°49'49	24°26'26	24°56'56	25°8'8	5°5'5	W 9
T 10	13 13 38	20°18'35	23°58'58	3°37'37	23°33'33	10°9'9	23°47'47	25°1'1	19°5'5	19°4'4	3°50'50	24°26'26	24°53'53	25°15'15	5°7'7	T 10
F 11	13 17 35	21°17'24	7°8'8	5°23'23	24°46'46	9°47'47	24°1'1	25°5'5	19°9'9	19°6'6	3°52'52	24°26'26	24°50'50	25°21'21	5°10'10	F 11
S 12	13 21 31	22°16'11	19°55'55	7°11'11	26°0'0	9°25'25	24°15'15	25°10'10	19°12'12	19°8'8	3°53'53	24°R26	24°47'47	25°28'28	5°12'12	S 12
S 13	13 25 28	23°14'56	2°II22	9°0'0	27°13'13	9°3'3	24°28'28	25°15'15	19°15'15	19°10'10	3°54'54	24°26'26	24°43'43	25°35'35	5°14'14	S 13
M14	13 29 24	24°13'38	14°33'33	10°51'51	28°26'26	8°42'42	24°42'42	25°20'20	19°18'18	19°12'12	3°56'56	24°D26	24°40'40	25°41'41	5°16'16	M14
T 15	13 33 21	25°12'18	26°32'32	12°44'44	29°39'39	8°21'21	24°55'55	25°25'25	19°21'21	19°14'14	3°57'57	24°26'26	24°37'37	25°48'48	5°18'18	T 15
W16	13 37 17	26°10'56	8°M25	14°38'38	0°Y53	8°0'0	25°9'9	25°30'30	19°25'25	19°16'16	3°58'58	24°27'27	24°34'34	25°55'55	5°19'19	W16
T 17	13 41 14	27°9'32	20°13'13	16°33'33	2°6'6	7°40'40	25°22'22	25°36'36	19°28'28	19°18'18	4°0'0	24°27'27	24°31'31	26°1'1	5°21'21	T 17
F 18	13 45 10	28°8'06	2°12'12	18°30'30	3°19'19	7°21'21	25°35'35	25°41'41	19°31'31	19°20'20	4°1'1	24°27'27	24°27'27	26°8'8	5°23'23	F 18
S 19	13 49 7	29°6'37	13°53'53	20°29'29	4°32'32	7°2'2	25°49'49	25°46'46	19°35'35	19°22'22	4°2'2	24°27'27	24°24'24	26°15'15	5°24'24	S 19
S 20	13 53 4	0°5'07	25°50'50	22°29'29	5°46'46	6°44'44	26°2'2	25°52'52	19°38'38	19°24'24	4°4'4	24°R27	24°21'21	26°21'21	5°26'26	S 20
M21	13 57 0	1°3'35	7°M54	24°30'30	6°59'59	6°26'26	26°15'15	25°57'57	19°41'41	19°25'25	4°5'5	24°27'27	24°18'18	26°28'28	5°27'27	M21
T 22	14 0 57	2°2'00	20°8'8	26°33'33	8°12'12	6°9'9	26°28'28	26°3'3	19°45'45	19°27'27	4°6'6	24°27'27	24°15'15	26°35'35	5°29'29	T 22
W23	14 4 53	3°0'25	2°X32	28°38'38	9°25'25	5°53'53	26°41'41	26°9'9	19°48'48	19°29'29	4°8'8	24°26'26	24°12'12	26°41'41	5°30'30	W23
T 24	14 8 50	3°58'47	15°9'9	0°B43	10°39'39	5°37'37	26°54'54	26°14'14	19°51'51	19°31'31	4°9'9	24°25'25	24°8'8	26°48'48	5°31'31	T 24
F 25	14 12 46	4°57'08	28°0'0	2°50'50	11°52'52	5°22'22	27°7'7	26°20'20	19°55'55	19°32'32	4°11'11	24°23'23	24°5'5	26°55'55	5°33'33	F 25
S 26	14 16 43	5°55'27	11°B6	4°57'57	13°5'5	5°8'8	27°20'20	26°26'26	19°58'58	19°34'34	4°12'12	24°22'22	24°2'2	27°1'1	5°34'34	S 26
S 27	14 20 39	6°53'45	24°29'29	7°6'6	14°19'19	4°54'54	27°33'33	26°32'32	20°1'1	19°36'36	4°13'13	24°21'21	23°59'59	27°8'8	5°35'35	S 27
M28	14 24 36	7°52'01	8°M10	9°15'15	15°32'32	4°41'41	27°46'46	26°38'38	20°5'5	19°38'38	4°15'15	24°D21	23°56'56	27°15'15	5°36'36	M28
T 29	14 28 33	8°50'16	22°9'9	11°24'24	16°45'45	4°29'29	27°58'58	26°44'44	20°8'8	19°39'39	4°16'16	24°21'21	23°52'52	27°21'21	5°37'37	T 29
W30	14 32 29	9°48'29	6°X25	13°B34	17°Y58	4°18'18	28°X11	26°II50	20°B12	19°X41	4°B17	24°Y22	23°Y49	27°M28	5°X37	W30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	4n32	21s57	5s 2	6s39	2s25	8s 0	1s15	2s46	2n50	4s15	1s 2	22n26	0s55	17n 6	0s17	5s26	1s 4	2s34	16s14	9n30	9n49	4n44	12s28	6n49	
W 2	4 55	16 46	4 28	6 3	2 26	7 33	1 16	2 38	2 48	4 9	1 2	22 26	0 54	17 7	0 17	5 25	1 4	2 33	16 14	9 29	9 48	4 41	12 27	6 49	
T 3	5 18	10 30	3 35	5 27	2 27	7 7	1 18	2 31	2 46	4 4	1 2	22 27	0 54	17 8	0 17	5 24	1 4	2 33	16 14	9 29	9 47	4 37	12 26	6 50	
F 4	5 41	3 32	2 27	4 49	2 27	6 40	1 20	2 24	2 45	3 58	1 2	22 27	0 54	17 9	0 17	5 23	1 4	2 32	16 14	9 28	9 46	4 34	12 25	6 50	
S 5	6 4	3n40	1 9	4 10	2 26	6 12	1 21	2 16	2 43	3 53	1 2	22 27	0 54	17 10	0 17	5 22	1 4	2 32	16 14	9 28	9 44	4 31	12 24	6 51	
S 6	6 27	10 38	0n14	3 30	2 26	5 45	1 22	2 9	2 41	3 47	1 2	22 28	0 54	17 11	0 17	5 22	1 4	2 31	16 14	9 28	9 43	4 27	12 23	6 51	
M 7	6 49	16 54	1 35	2 49	2 24	5 17	1 24	2 2	2 39	3 42	1 2	22 28	0 54	17 11	0 17	5 21	1 4	2 31	16 13	9 28	9 42	4 24	12 22	6 52	
T 8	7 12	22 4	2 48	2 7	2 22	4 50	1 25	1 55	2 37	3 37	1 3	22 28	0 53	17 12	0 17	5 20	1 4	2 30	16 13	9 28	9 41	4 21	12 21	6 52	
W 9	7 34	25 47	3 48	1 24	2 20	4 22	1 26	1 48	2 35	3 31	1 3	22 29	0 53	17 13	0 17	5 19	1 4	2 30	16 13	9 29	9 40	4 17	12 20	6 52	
T 10	7 57	27 53	4 34	0 40	2 17	3 54	1 27	1 41	2 33	3 26	1 3	22 29	0 53	17 14	0 17	5 18	1 4	2 29	16 13	9 29	9 39	4 14	12 19	6 53	
F 11	8 19	28 19	5 3	0n 6	2 14	3 26	1 28	1 34	2 31	3 20	1 3	22 29	0 53	17 15	0 17	5 18	1 4	2 29	16 13	9 29	9 37	4 10	12 18	6 53	
S 12	8 41	27 12	5 17	0 52	2 10	2 58	1 29	1 27	2 28	3 15	1 3	22 30	0 53	17 16	0 17	5 17	1 4	2 28	16 13	9 29	9 36	4 7	12 17	6 54	
S 13	9 2	24 45	5 15	1 39	2 6	2 29	1 30	1 21	2 26	3 10	1 3	22 30	0 53	17 17	0 17	5 16	1 4	2 28	16 13	9 29	9 35	4 4	12 16	6 54	
M14	9 24	21 14	4 58	2 27	2 1	2 1	1 31	1 15	2 24	3 5	1 3	22 30	0 52	17 18	0 17	5 15	1 4	2 27	16 13	9 29	9 34	4 0	12 15	6 55	
T 15	9 46	16 54	4 29	3 16	1 55	1 33	1 32	1 9	2 21	2 59	1 3	22 31	0 52	17 18	0 17	5 15	1 4	2 27	16 13	9 29	9 33	3 57	12 14	6 55	
W16	10 7	11 57	3 49	4 5	1 50	1 4	1 33	1 3	2 19	2 54	1 3	22 31	0 52	17 19	0 17	5 14	1 4	2 26	16 13	9 29	9 32	3 54	12 14	6 56	
T 17	10 28	6 37	2 59	4 55	1 43	0 36	1 33	0 57	2 17	2 49	1 4	22 31	0 52	17 20	0 17	5 13	1 4	2 26	16 13	9 29	9 30	3 50	12 13	6 56	
F 18	10 49	1 3	2 1	5 46	1 36	0 7	1 34	0 52	2 14	2 44	1 4	22 32	0 52	17 21	0 17	5 13	1 4	2 25	16 13	9 29	9 29	3 47	12 12	6 57	
S 19	11 10	4s35	0 58	6 38	1 29	0n22	1 34	0 47	2 11	2 39	1 4	22 32	0 52	17 22	0 17	5 12	1 4	2 25	16 13	9 29	9 28	3 44	12 11	6 57	
S 20	11 31	10 7	0s 8	7 30	1 21	0 50	1 35	0 42	2 9	2 33	1 4	22 32	0 51	17 23	0 17	5 11	1 4	2 24	16 13	9 29	9 27	3 40	12 10	6 58	
M21	11 51	15 19	1 14	8 22	1 13	1 19	1 35	0 37	2 6	2 28	1 4	22 33	0 51	17 24	0 17	5 11	1 4	2 24	16 12	9 29	9 26	3 37	12 9	6 58	
T 22	12 11	20 0	2 18	9 15	1 4	1 48	1 35	0 33	2 4	2 23	1 4	22 33	0 51	17 25	0 17	5 10	1 4	2 23	16 12	9 29	9 25	3 33	12 8	6 59	
W23	12 31	23 53	3 16	10 8	0 55	2 16	1 36	0 29	2 1	2 18	1 4	22 33	0 51	17 26	0 17	5 9	1 4	2 23	16 12	9 29	9 23	3 30	12 8	6 59	
T 24	12 51	26 42	4 6	11 1	0 46	2 45	1 36	0 25	1 58	2 13	1 4	22 34	0 51	17 27	0 17	5 8	1 4	2 22	16 12	9 28	9 22	3 27	12 7	7 0	
F 25	13 11	28 11	4 44	11 54	0 36	3 14	1 36	0 22	1 56	2 8	1 5	22 34	0 51	17 28	0 17	5 8	1 4	2 22	16 12	9 28	9 21	3 23	12 6	7 0	
S 26	13 30	28 7	5 8	12 47	0 26	3 42	1 36	0 19	1 53	2 3	1 5	22 34	0 50	17 28	0 17	5 7	1 4	2 21	16 12	9 27	9 20	3 20	12 5	7 1	
S 27	13 50	26 26	5 17	13 39	0 16	4 11	1 36	0 16	1 50	1 58	1 5	22 35	0 50	17 29	0 17	5 7	1 4	2 21	16 12	9 27	9 19	3 17	12 5	7 1	
M28	14 9	23 11	5 8	14 30	0 5	4 39	1 35	0 13	1 48	1 53	1 5	22 35	0 50	17 30	0 17	5 6	1 4	2 21	16 12	9 27	9 18	3 13	12 4	7 2	
T 29	14 27	18 33	4 40	15 21	0n 5	5 7	1 35	0 11	1 45	1 48	1 5	22 35	0 50	17 31	0 17	5 5	1 4	2 20	16 12	9 27	9 16	3 10	12 3	7 2	
W30	14n46	12s48	3s55	16n11	0n16	5n36	1s35	0s 9	1n42	1s43	1s 5	22n36	0s50	17n32	0s17	5s 5	1s 5	2s20	16s12	9n27	9n15	3n 7	12s 2	7n 3	

# ASTRODIENST EPHEMERIS for the year 1856

## geocentric

MAY 1856

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 36 26	10♌46'41	20♋57	15♌43	19♏12	4°R 7	28♋24	26♏56	20♌15	19♋42	4♌19	24♏23	23♏46	27♏35	5♌38	T 1
F 2	14 40 22	11°44'51	5♏40	17°52	20°25	3♌57	28°36	27° 3	20°19	19°44	4°20	24°24	23°43	27°41	5°39	F 2
S 3	14 44 19	12°42'59	20°28	20° 0	21°38	3°48	28°49	27° 9	20°22	19°46	4°22	24°R25	23°40	27°48	5°40	S 3
S 4	14 48 15	13°41'06	5♌16	22° 8	22°52	3°40	29° 1	27°15	20°26	19°47	4°23	24°25	23°37	27°55	5°40	S 4
M 5	14 52 12	14°39'12	19°56	24°13	24° 5	3°33	29°13	27°22	20°29	19°49	4°24	24°23	23°33	28° 1	5°41	M 5
T 6	14 56 8	15°37'16	4♏21	26°18	25°18	3°26	29°25	27°28	20°33	19°50	4°26	24°21	23°30	28° 8	5°41	T 6
W 7	15 0 5	16°35'18	18°25	28°20	26°32	3°21	29°37	27°35	20°36	19°52	4°27	24°18	23°27	28°15	5°41	W 7
T 8	15 4 2	17°33'19	2♌6	0♏21	27°45	3°16	29°49	27°41	20°39	19°53	4°28	24°15	23°24	28°21	5°42	T 8
F 9	15 7 58	18°31'17	15°21	2°19	28°58	3°11	0♏1	27°48	20°43	19°54	4°30	24°12	23°21	28°28	5°42	F 9
S 10	15 11 55	19°29'14	28°13	4°14	0♌12	3° 8	0°13	27°55	20°46	19°56	4°31	24° 9	23°18	28°35	5°42	S 10
S 11	15 15 51	20°27'09	10♏43	6° 7	1°25	3° 6	0°25	28° 1	20°50	19°57	4°32	24° 8	23°14	28°41	5°R42	S 11
M12	15 19 48	21°25'02	22°55	7°57	2°38	3° 4	0°37	28° 8	20°53	19°58	4°34	24°D 7	23°11	28°48	5°42	M12
T 13	15 23 44	22°22'53	4♏55	9°44	3°51	3° 3	0°48	28°15	20°57	20° 0	4°35	24° 8	23° 8	28°55	5°42	T 13
W14	15 27 41	23°20'43	16°47	11°28	5° 5	3°D 3	1° 0	28°22	21° 0	20° 1	4°36	24° 9	23° 5	29° 1	5°42	W14
T 15	15 31 37	24°18'31	28°35	13° 8	6°18	3° 3	1°11	28°29	21° 4	20° 2	4°38	24°11	23° 2	29° 8	5°41	T 15
F 16	15 35 34	25°16'17	10♌25	14°46	7°31	3° 4	1°22	28°36	21° 7	20° 3	4°39	24°13	22°58	29°15	5°41	F 16
S 17	15 39 31	26°14'02	22°20	16°20	8°45	3° 7	1°34	28°43	21°11	20° 5	4°40	24°R14	22°55	29°21	5°41	S 17
S 18	15 43 27	27°11'45	4♏24	17°50	9°58	3° 9	1°45	28°50	21°14	20° 6	4°42	24°13	22°52	29°28	5°40	S 18
M19	15 47 24	28° 9'26	16°40	19°18	11°11	3°13	1°56	28°57	21°18	20° 7	4°43	24°11	22°49	29°35	5°40	M19
T 20	15 51 20	29° 7'07	29° 9	20°41	12°25	3°17	2° 7	29° 4	21°21	20° 8	4°44	24° 7	22°46	29°41	5°39	T 20
W21	15 55 17	0♏446	11♌52	22° 2	13°38	3°22	2°17	29°11	21°25	20° 9	4°45	24° 2	22°43	29°48	5°38	W21
T 22	15 59 13	1° 2'24	24°49	23°18	14°51	3°28	2°28	29°18	21°28	20°10	4°47	23°56	22°39	29°54	5°38	T 22
F 23	16 3 10	2° 0'00	8♌1	24°32	16° 5	3°34	2°39	29°25	21°32	20°11	4°48	23°50	22°36	0♌1	5°37	F 23
S 24	16 7 6	2°57'36	21°25	25°41	17°18	3°41	2°49	29°33	21°35	20°12	4°49	23°45	22°33	0° 8	5°36	S 24
S 25	16 11 3	3°55'11	5♌2	26°47	18°31	3°49	3° 0	29°40	21°38	20°13	4°50	23°40	22°30	0°14	5°35	S 25
M26	16 15 0	4°52'44	18°50	27°49	19°45	3°57	3°10	29°47	21°42	20°14	4°52	23°37	22°27	0°21	5°34	M26
T 27	16 18 56	5°50'17	2♌48	28°47	20°58	4° 6	3°20	29°55	21°45	20°15	4°53	23°D36	22°24	0°28	5°33	T 27
W28	16 22 53	6°47'49	16°55	29°41	22°11	4°16	3°30	0♌2	21°49	20°16	4°54	23°36	22°20	0°34	5°32	W28
T 29	16 26 49	7°45'20	1♏1	0♌31	23°25	4°26	3°40	0°10	21°52	20°16	4°55	23°37	22°17	0°41	5°31	T 29
F 30	16 30 46	8°42'51	15°31	1°18	24°38	4°37	3°50	0°17	21°55	20°17	4°56	23°39	22°14	0°48	5°29	F 30
S 31	16 34 42	9♏40'20	29♏55	2♌0	25♌52	4♌49	4°0	0♌24	21♌59	20♌18	4♌58	23°R39	22♏11	0♌54	5♌28	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n 4	6s16	2s55	16n59	0n27	6n 4	1s35	0s 7	1n40	1s38	1s 5	22n36	0s50	17n33	0s17	5s 4
F 2	15 22	0n41	1 42	17 46	0 37	6 32	1 34	0 5	1 37	1 34	1 6	22 36	0 50	17 34	0 17	5 4
S 3	15 40	7 40	0 22	18 31	0 48	7 0	1 34	0 4	1 34	1 29	1 6	22 36	0 49	17 35	0 17	5 3
S 4	15 58	14 14	1n 0	19 15	0 58	7 27	1 33	0 3	1 32	1 24	1 6	22 37	0 49	17 36	0 17	5 2
M 5	16 15	19 56	2 16	19 56	1 8	7 55	1 32	0 3	1 29	1 19	1 6	22 37	0 49	17 37	0 17	5 2
T 6	16 32	24 21	3 23	20 35	1 17	8 22	1 32	0 3	1 26	1 15	1 6	22 37	0 49	17 38	0 17	5 1
W 7	16 49	27 12	4 15	21 12	1 26	8 50	1 31	0 3	1 24	1 10	1 6	22 37	0 49	17 39	0 17	5 1
T 8	17 5	28 18	4 51	21 47	1 34	9 17	1 30	0 3	1 21	1 5	1 7	22 38	0 49	17 40	0 17	5 0
F 9	17 21	27 43	5 11	22 19	1 42	9 44	1 29	0 4	1 19	1 1	1 7	22 38	0 49	17 41	0 17	5 0
S 10	17 37	25 39	5 14	22 48	1 49	10 10	1 28	0 5	1 16	0 56	1 7	22 38	0 48	17 42	0 17	4 59
S 11	17 53	22 24	5 1	23 15	1 56	10 37	1 27	0 6	1 14	0 52	1 7	22 38	0 48	17 42	0 17	4 59
M12	18 8	18 14	4 36	23 39	2 2	11 3	1 26	0 8	1 11	0 47	1 7	22 39	0 48	17 43	0 17	4 58
T 13	18 23	13 25	3 58	24 1	2 7	11 29	1 25	0 10	1 9	0 43	1 7	22 39	0 48	17 44	0 17	4 58
W14	18 38	8 9	3 11	24 21	2 11	11 55	1 24	0 12	1 6	0 38	1 8	22 39	0 48	17 45	0 17	4 57
T 15	18 52	2 39	2 16	24 37	2 15	12 20	1 23	0 15	1 4	0 34	1 8	22 39	0 48	17 46	0 17	4 57
F 16	19 6	2s59	1 15	24 52	2 17	12 45	1 21	0 17	1 1	0 30	1 8	22 40	0 48	17 47	0 17	4 56
S 17	19 20	8 33	0 10	25 4	2 19	13 10	1 20	0 20	0 59	0 25	1 8	22 40	0 47	17 48	0 17	4 56
S 18	19 33	13 52	0s55	25 14	2 20	13 34	1 19	0 24	0 56	0 21	1 8	22 40	0 47	17 49	0 17	4 56
M19	19 46	18 44	2 0	25 22	2 21	13 59	1 17	0 27	0 54	0 17	1 9	22 40	0 47	17 50	0 17	4 55
T 20	19 59	22 54	2 59	25 27	2 20	14 23	1 16	0 31	0 52	0 13	1 9	22 40	0 47	17 51	0 17	4 55
W21	20 11	26 2	3 51	25 31	2 18	14 46	1 14	0 35	0 49	0 9	1 9	22 40	0 47	17 52	0 17	4 54
T 22	20 23	27 53	4 31	25 33	2 16	15 9	1 12	0 39	0 47	0 4	1 9	22 41	0 47	17 53	0 17	4 54
F 23	20 35	28 11	4 59	25 33	2 13	15 32	1 11	0 44	0 45	0 0	1 9	22 41	0 47	17 53	0 17	4 54
S 24	20 46	26 51	5 10	25 32	2 8	15 55	1 9	0 49	0 43	0n 4	1 10	22 41	0 47	17 54	0 17	4 53
S 25	20 57	23 56	5 4	25 29	2 3	16 17	1 7	0 54	0 41	0 8	1 10	22 41	0 47	17 55	0 17	4 53
M26	21 8	19 38	4 41	25 24	1 57	16 38	1 5	0 59	0 38	0 11	1 10	22 41	0 46	17 56	0 17	4 53
T 27	21 18	14 13	4 1	25 18	1 51	17 0	1 4	1 5	0 36	0 15	1 10	22 41	0 46	17 57	0 17	4 52
W28	21 28	8 1	3 6	25 11	1 43	17 20	1 2	1 11	0 34	0 19	1 10	22 41	0 46	17 58	0 17	4 52
T 29	21 37	1 21	1 59	25 2	1 35	17 41	1 0	1 16	0 32	0 23	1 11	22 42	0 46	17 59	0 17	4 52
F 30	21 46	5n26	0 44	24 53	1 25	18 1	0 58	1 23	0 30	0 27	1 11	22 42	0 46	18 0	0 17	4 52
S 31	21n55	11n59	0n34	24n42	1n15	18n20	0s56	1s29	0n28	0n30	1s11	22n42	0s46	18n 1	0s17	4s51

Julian Day Number = 2399070.5, Delta T = 10.06 sec  
 Ecliptic obliquity = 23°27'37", Nutation = - 0°00'08", out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 22°44'03", Lahiri = 21°51'03"



ASTRODIENST EPHEMERIS for the year 1856  
geocentric

JUNE 1856

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 38 39	10Ⅱ3749	14♂18	2♂38	27♂ 5	5♂ 1	4♂10	0♂32	22♂ 2	20♂19	4♂59	23°R37	22°Y 8	1♂ 1	5°R26	S 1
M 2	16 42 35	11°35'17	28°36	3°11	28°18	5°13	4°19	0°39	22° 6	20°19	5° 0	23°Y33	22° 4	1° 8	5°25	M 2
T 3	16 46 32	12°32'44	12Ⅱ44	3°40	29°32	5°27	4°28	0°47	22° 9	20°20	5° 1	23°27	22° 1	1°14	5°23	T 3
W 4	16 50 29	13°30'11	26°36	4° 5	0Ⅱ45	5°41	4°38	0°55	22°12	20°21	5° 2	23°20	21°58	1°21	5°22	W 4
T 5	16 54 25	14°27'36	10♂10	4°25	1°59	5°55	4°47	1° 2	22°15	20°21	5° 3	23°11	21°55	1°28	5°20	T 5
F 6	16 58 22	15°25'01	23°22	4°41	3°12	6°10	4°56	1°10	22°19	20°22	5° 4	23° 3	21°52	1°34	5°18	F 6
S 7	17 2 18	16°22'24	6♂12	4°52	4°25	6°25	5° 5	1°18	22°22	20°22	5° 5	22°55	21°49	1°41	5°17	S 7
S 8	17 6 15	17°19'46	18°43	4°58	5°39	6°41	5°13	1°25	22°25	20°23	5° 7	22°50	21°45	1°48	5°15	S 8
M 9	17 10 11	18°17'07	0♂56	5°R 0	6°52	6°58	5°22	1°33	22°29	20°23	5° 8	22°46	21°42	1°54	5°13	M 9
T 10	17 14 8	19°14'28	12°56	4°58	8° 6	7°15	5°31	1°41	22°32	20°24	5° 9	22°44	21°39	2° 1	5°11	T 10
W11	17 18 4	20°11'47	24°48	4°51	9°19	7°33	5°39	1°48	22°35	20°24	5°10	22°D44	21°36	2° 8	5° 9	W11
T 12	17 22 1	21° 9'05	6♂37	4°39	10°33	7°51	5°47	1°56	22°38	20°25	5°11	22°45	21°33	2°14	5° 7	T 12
F 13	17 25 58	22° 6'22	18°28	4°24	11°46	8° 9	5°55	2° 4	22°41	20°25	5°12	22°R46	21°30	2°21	5° 5	F 13
S 14	17 29 54	23° 3'39	0♂27	4° 5	12°59	8°28	6° 3	2°11	22°44	20°25	5°13	22°45	21°26	2°28	5° 3	S 14
S 15	17 33 51	24° 0'55	12°37	3°42	14°13	8°48	6°11	2°19	22°47	20°26	5°14	22°43	21°23	2°34	5° 0	S 15
M16	17 37 47	24°58'10	25° 2	3°16	15°26	9° 7	6°19	2°27	22°51	20°26	5°15	22°39	21°20	2°41	4°58	M16
T 17	17 41 44	25°55'24	7♂46	2°47	16°40	9°28	6°26	2°35	22°54	20°26	5°16	22°33	21°17	2°48	4°56	T 17
W18	17 45 40	26°52'38	20°48	2°16	17°53	9°48	6°34	2°43	22°57	20°26	5°16	22°24	21°14	2°54	4°53	W18
T 19	17 49 37	27°49'51	4♂ 8	1°44	19° 7	10°10	6°41	2°50	23° 0	20°26	5°17	22°14	21°10	3° 1	4°51	T 19
F 20	17 53 34	28°47'04	17°44	1° 9	20°20	10°31	6°48	2°58	23° 3	20°26	5°18	22° 3	21° 7	3° 7	4°48	F 20
S 21	17 57 30	29°44'17	1♂33	0°35	21°34	10°53	6°55	3° 6	23° 6	20°27	5°19	21°53	21° 4	3°14	4°46	S 21
S 22	18 1 27	0♂41'30	15°32	29Ⅱ59	22°47	11°15	7° 2	3°14	23° 9	20°27	5°20	21°45	21° 1	3°21	4°43	S 22
M23	18 5 23	1°38'42	29°37	29°25	24° 1	11°38	7° 8	3°22	23°11	20°R27	5°21	21°39	20°58	3°27	4°41	M23
T 24	18 9 20	2°35'54	13♂45	28°52	25°15	12° 1	7°15	3°29	23°14	20°27	5°22	21°35	20°55	3°34	4°38	T 24
W25	18 13 16	3°33'06	27°54	28°20	26°28	12°25	7°21	3°37	23°17	20°27	5°23	21°34	20°51	3°41	4°35	W25
T 26	18 17 13	4°30'19	12°Y 2	27°51	27°42	12°49	7°27	3°45	23°20	20°26	5°23	21°D34	20°48	3°47	4°32	T 26
F 27	18 21 9	5°27'31	26° 8	27°24	28°55	13°13	7°33	3°53	23°23	20°26	5°24	21°R34	20°45	3°54	4°30	F 27
S 28	18 25 6	6°24'43	10♂12	27° 1	0♂ 9	13°37	7°39	4° 1	23°26	20°26	5°25	21°33	20°42	4° 1	4°27	S 28
S 29	18 29 3	7°21'56	24°11	26°41	1°23	14° 2	7°45	4° 9	23°28	20°26	5°26	21°30	20°39	4° 7	4°24	S 29
M30	18 32 59	8♂19'09	8Ⅱ 4	26Ⅱ25	2♂36	14♂28	7°Y50	4♂16	23♂31	20♂26	5♂26	21°Y24	20°Y36	4♂14	4♂21	M30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑	♒	♓	♈	♉	♊	♋	♌	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat				
S 1	22n 4	17n53	1n49	24n30	1n 4	18n39	0s54	1s36	0n26	0n34	1s11	22n42	0s46	18n 1	0s17	4s51	1s 6	2s10	16s15	9n11	8n37	1n18	11s50	7n19		
M 2	22 12	22 45	2 57	24 18	0 52	18 58	0 52	1 43	0 24	0 37	1 11	22 42	0 46	18 2	0 17	4 51	1 6	2 9	16 16	9 9	8 36	1 15	11 50	7 19		
T 3	22 19	26 12	3 53	24 4	0 40	19 16	0 50	1 50	0 22	0 41	1 12	22 42	0 45	18 3	0 17	4 51	1 6	2 9	16 16	9 7	8 35	1 11	11 50	7 19		
W 4	22 26	27 59	4 34	23 51	0 27	19 33	0 47	1 57	0 20	0 44	1 12	22 42	0 45	18 4	0 17	4 50	1 6	2 9	16 16	9 4	8 34	1 8	11 50	7 20		
T 5	22 33	28 2	4 59	23 36	0 13	19 50	0 45	2 4	0 18	0 48	1 12	22 42	0 45	18 5	0 17	4 50	1 6	2 9	16 16	9 1	8 33	1 4	11 50	7 20		
F 6	22 40	26 28	5 7	23 21	0s 2	20 7	0 43	2 12	0 16	0 51	1 12	22 42	0 45	18 6	0 17	4 50	1 6	2 9	16 16	8 58	8 32	1 1	11 50	7 21		
S 7	22 46	23 33	4 58	23 5	0 17	20 23	0 41	2 20	0 15	0 55	1 13	22 42	0 45	18 7	0 17	4 50	1 6	2 9	16 17	8 55	8 30	0 57	11 50	7 21		
S 8	22 51	19 36	4 36	22 49	0 33	20 38	0 39	2 28	0 13	0 58	1 13	22 42	0 45	18 7	0 17	4 50	1 6	2 8	16 17	8 53	8 29	0 54	11 50	7 21		
M 9	22 57	14 55	4 2	22 33	0 49	20 53	0 36	2 36	0 11	1 1	1 13	22 42	0 45	18 8	0 17	4 50	1 6	2 8	16 17	8 52	8 28	0 51	11 50	7 22		
T 10	23 1	9 44	3 17	22 17	1 5	21 7	0 34	2 44	0 9	1 4	1 13	22 42	0 45	18 9	0 17	4 49	1 6	2 8	16 17	8 51	8 27	0 47	11 50	7 22		
W11	23 6	4 16	2 24	22 0	1 22	21 21	0 32	2 53	0 8	1 7	1 14	22 42	0 45	18 10	0 17	4 49	1 6	2 8	16 17	8 51	8 26	0 44	11 50	7 23		
T 12	23 10	1s19	1 25	21 44	1 39	21 34	0 29	3 1	0 6	1 10	1 14	22 42	0 45	18 11	0 17	4 49	1 6	2 8	16 18	8 51	8 24	0 40	11 50	7 23		
F 13	23 13	6 54	0 23	21 27	1 56	21 46	0 27	3 10	0 4	1 13	1 14	22 42	0 44	18 11	0 17	4 49	1 6	2 8	16 18	8 52	8 23	0 37	11 50	7 23		
S 14	23 17	12 17	0s41	21 11	2 13	21 58	0 25	3 19	0 3	1 16	1 14	22 42	0 44	18 12	0 17	4 49	1 6	2 8	16 18	8 51	8 22	0 34	11 50	7 24		
S 15	23 19	17 17	1 44	20 55	2 29	22 9	0 22	3 29	0 1	1 19	1 15	22 42	0 44	18 13	0 17	4 49	1 6	2 8	16 18	8 51	8 21	0 30	11 50	7 24		
M16	23 22	21 41	2 43	20 40	2 45	22 20	0 20	3 38	0s 1	1 22	1 15	22 42	0 44	18 14	0 17	4 49	1 7	2 8	16 19	8 49	8 20	0 27	11 51	7 25		
T 17	23 24	25 10	3 36	20 25	3 1	22 30	0 18	3 47	0 2	1 25	1 15	22 42	0 44	18 15	0 17	4 49	1 7	2 8	16 19	8 47	8 18	0 23	11 51	7 25		
W18	23 25	27 26	4 18	20 10	3 16	22 39	0 15	3 57	0 4	1 27	1 15	22 42	0 44	18 15	0 17	4 49	1 7	2 8	16 19	8 43	8 17	0 20	11 51	7 25		
T 19	23 27	28 12	4 48	19 57	3 30	22 48	0 13	4 7	0 5	1 30	1 16	22 42	0 44	18 16	0 17	4 49	1 7	2 7	16 19	8 40	8 16	0 17	11 51	7 26		
F 20	23 27	27 16	5 2	19 44	3 43	22 56	0 10	4 16	0 7	1 32	1 16	22 42	0 44	18 17	0 17	4 49	1 7	2 7	16 20	8 36	8 15	0 13	11 52	7 26		
S 21	23 28	24 41	4 58	19 32	3 55	23 3	0 8	4 26	0 8	1 35	1 16	22 42	0 44	18 18	0 17	4 49	1 7	2 7	16 20	8 32	8 14	0 10	11 52	7 26		
S 22	23 27	20 36	4 37	19 22	4 6	23 10	0 6	4 37	0 10	1 37	1 16	22 42	0 44	18 18	0 17	4 49	1 7	2 7	16 20	8 29	8 13	0 6	11 52	7 27		
M23	23 27	15 21	3 59	19 12	4 15	23 16	0 3	4 47	0 11	1 40	1 17	22 41	0 44	18 19	0 17	4 49	1 7	2 7	16 20	8 27	8 11	0 3	11 52	7 27		
T 24	23 26	9 16	3 7	19 4	4 23	23 22	0 1	4 57	0 13	1 42	1 17	22 41	0 43	18 20	0 17	4 49	1 7	2 7	16 21	8 25	8 10	0s 1	11 53	7 27		
W25	23 25	2 42	2 2	18 57	4 30	23 26	0n 2	5 8	0 14	1 44	1 17	22 41	0 43	18 21	0 17	4 49	1 7	2 7	16 21	8 25	8 9	0 4	11 53	7 27		
T 26	23 23	3n59	0 50	18 52	4 35	23 30	0 4	5 18	0 16	1 46	1 17	22 41	0 43	18 21	0 17	4 49	1 7	2 7	16 21	8 25	8 8	0 7	11 53	7 28		
F 27	23 21	10 29	0n24	18 48	4 39	23 34	0 6	5 29	0 17	1 49	1 18	22 41	0 43	18 22	0 17	4 49	1 7	2 7	16 21	8 25	8 7	0 11	11 54	7 28		
S 28	23 18	16 25	1 37	18 45	4 41	23 36	0 9	5 40	0 18	1 51	1 18	22 41	0 43	18 23	0 17	4 49	1 7	2 7	16 22	8 25	8 5	0 14	11 54	7 28		
S 29	23 15	21 28	2 44	18 44	4 41	23 38	0 11	5 51	0 20	1 53	1 18	22 41	0 43	18 23	0 17	4 49	1 7	2 7	16 22	8 23	8 4	0 18	11 55	7 28		
M30	23n12	25n17	3n40	18n45	4s40	23n40	0n14	6s 2	0s21	1n55	1s18	22n40	0s43	18n24	0s17	4s49	1s 7	2s 7	16s22	8n21	8n 3	0s21	11s55	7n29		

ASTRODIENST EPHEMERIS for the year 1856  
geocentric

JULY 1856

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 36 56	9 <sup>56</sup> 16'22	21 <sup>II</sup> 47	26°R13	3 <sup>56</sup> 50	14 <sup>53</sup> 53	7 <sup>Y</sup> 55	4 <sup>56</sup> 24	23 <sup>8</sup> 34	20°R26	5 <sup>8</sup> 27	21°R15	20°Y32	4 <sup>56</sup> 21	4°R18	T 1
W 2	18 40 52	10°13'35	5 <sup>56</sup> 19	26 <sup>II</sup> 6	5° 4	15°19	8° 1	4°32	23°36	20°R25	5°28	21°Y 4	20°29	4°27	4 <sup>56</sup> 15	W 2
T 3	18 44 49	11°10'48	18°35	26°D 4	6°17	15°45	8° 6	4°40	23°39	20°25	5°28	20°52	20°26	4°34	4°12	T 3
F 4	18 48 45	12° 8'01	1 <sup>56</sup> 35	26° 6	7°31	16°12	8°10	4°48	23°42	20°25	5°29	20°40	20°23	4°41	4° 9	F 4
S 5	18 52 42	13° 5'14	14°18	26°14	8°45	16°39	8°15	4°55	23°44	20°24	5°30	20°29	20°20	4°47	4° 6	S 5
S 6	18 56 38	14° 2'27	26°43	26°26	9°58	17° 6	8°20	5° 3	23°47	20°24	5°30	20°19	20°16	4°54	4° 3	S 6
M 7	19 0 35	14°59'40	8 <sup>Y</sup> 53	26°44	11°12	17°34	8°24	5°11	23°49	20°23	5°31	20°13	20°13	5° 1	3°59	M 7
T 8	19 4 32	15°56'52	20°52	27° 7	12°26	18° 2	8°28	5°19	23°52	20°23	5°32	20° 9	20°10	5° 7	3°56	T 8
W 9	19 8 28	16°54'05	2 <sup>56</sup> 43	27°35	13°40	18°30	8°32	5°26	23°54	20°22	5°32	20° 7	20° 7	5°14	3°53	W 9
T 10	19 12 25	17°51'17	14°31	28° 9	14°53	18°58	8°36	5°34	23°56	20°22	5°33	20° 6	20° 4	5°21	3°50	T 10
F 11	19 16 21	18°48'30	26°22	28°47	16° 7	19°27	8°39	5°42	23°59	20°21	5°33	20° 6	20° 1	5°27	3°47	F 11
S 12	19 20 18	19°45'42	8 <sup>Y</sup> 22	29°31	17°21	19°56	8°43	5°49	24° 1	20°21	5°34	20° 6	19°57	5°34	3°43	S 12
S 13	19 24 14	20°42'55	20°35	0 <sup>56</sup> 19	18°35	20°25	8°46	5°57	24° 3	20°20	5°34	20° 3	19°54	5°40	3°40	S 13
M14	19 28 11	21°40'08	3 <sup>Y</sup> 6	1°13	19°48	20°54	8°49	6° 5	24° 6	20°20	5°35	19°59	19°51	5°47	3°37	M14
T 15	19 32 7	22°37'21	15°58	2°12	21° 2	21°24	8°52	6°12	24° 8	20°19	5°35	19°51	19°48	5°54	3°33	T 15
W16	19 36 4	23°34'34	29°13	3°15	22°16	21°54	8°54	6°20	24°10	20°18	5°35	19°42	19°45	6° 0	3°30	W16
T 17	19 40 1	24°31'48	12 <sup>56</sup> 52	4°24	23°30	22°25	8°57	6°27	24°12	20°17	5°36	19°31	19°42	6° 7	3°27	T 17
F 18	19 43 57	25°29'02	26°51	5°37	24°44	22°55	8°59	6°35	24°14	20°17	5°36	19°19	19°38	6°14	3°23	F 18
S 19	19 47 54	26°26'17	11 <sup>56</sup> 5	6°55	25°58	23°26	9° 1	6°43	24°16	20°16	5°37	19° 8	19°35	6°20	3°20	S 19
S 20	19 51 50	27°23'32	25°30	8°17	27°11	23°57	9° 3	6°50	24°18	20°15	5°37	18°59	19°32	6°27	3°17	S 20
M21	19 55 47	28°20'47	9 <sup>Y</sup> 59	9°44	28°25	24°28	9° 5	6°58	24°20	20°14	5°37	18°52	19°29	6°34	3°13	M21
T 22	19 59 43	29°18'04	24°26	11°15	29°39	24°59	9° 6	7° 5	24°22	20°13	5°38	18°48	19°26	6°40	3°10	T 22
W23	20 3 40	0 <sup>56</sup> 15'21	8 <sup>Y</sup> 47	12°50	0 <sup>56</sup> 53	25°31	9° 8	7°12	24°24	20°12	5°38	18°47	19°22	6°47	3° 6	W23
T 24	20 7 36	1°12'40	23° 0	14°29	2° 7	26° 3	9° 9	7°20	24°26	20°12	5°38	18°D46	19°19	6°54	3° 3	T 24
F 25	20 11 33	2° 9'59	7 <sup>56</sup> 2	16°12	3°21	26°35	9°10	7°27	24°27	20°11	5°38	18°R46	19°16	7° 0	2°59	F 25
S 26	20 15 30	3° 7'19	20°55	17°59	4°35	27° 8	9°10	7°35	24°29	20°10	5°39	18°45	19°13	7° 7	2°56	S 26
S 27	20 19 26	4° 4'41	4 <sup>II</sup> 37	19°48	5°49	27°40	9°11	7°42	24°31	20° 9	5°39	18°42	19°10	7°14	2°53	S 27
M28	20 23 23	5° 2'04	18° 8	21°41	7° 3	28°13	9°11	7°49	24°33	20° 8	5°39	18°37	19° 7	7°20	2°49	M28
T 29	20 27 19	5°59'27	1 <sup>56</sup> 28	23°36	8°17	28°46	9°R11	7°56	24°34	20° 7	5°39	18°28	19° 3	7°27	2°46	T 29
W30	20 31 16	6°56'52	14°37	25°34	9°31	29°19	9°11	8° 4	24°36	20° 5	5°39	18°18	19° 0	7°33	2°42	W30
T 31	20 35 12	7 <sup>56</sup> 54'18	27 <sup>56</sup> 32	27 <sup>56</sup> 34	10 <sup>56</sup> 45	29 <sup>56</sup> 53	9°Y11	8 <sup>56</sup> 11	24 <sup>8</sup> 37	20°R 4	5 <sup>8</sup> 39	18°Y 6	18°Y57	7 <sup>56</sup> 40	2 <sup>56</sup> 39	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	23n 8	27n34	4n22	18n47	4s38	23n40	0n16	6s13	0s22	1n56	1s19	22n40	0s43	18n25	0s17	4s50
W 2	23 4	28 11	4 50	18 50	4 34	23 40	0 18	6 24	0 24	1 58	1 19	22 40	0 43	18 25	0 17	4 50
T 3	22 59	27 8	5 0	18 55	4 29	23 39	0 21	6 35	0 25	2 0	1 19	22 40	0 43	18 26	0 17	4 50
F 4	22 54	24 37	4 55	19 1	4 23	23 38	0 23	6 47	0 26	2 2	1 20	22 40	0 43	18 27	0 17	4 50
S 5	22 49	20 57	4 36	19 8	4 16	23 35	0 25	6 58	0 27	2 3	1 20	22 40	0 43	18 27	0 17	4 50
S 6	22 43	16 25	4 3	19 17	4 8	23 32	0 27	7 10	0 29	2 5	1 20	22 39	0 43	18 28	0 17	4 50
M 7	22 37	11 20	3 20	19 26	3 59	23 29	0 30	7 21	0 30	2 6	1 20	22 39	0 42	18 28	0 17	4 51
T 8	22 30	5 54	2 28	19 37	3 49	23 24	0 32	7 33	0 31	2 7	1 21	22 39	0 42	18 29	0 17	4 51
W 9	22 23	0 19	1 31	19 48	3 38	23 19	0 34	7 45	0 32	2 9	1 21	22 39	0 42	18 30	0 17	4 51
T 10	22 16	5s16	0 30	20 0	3 27	23 14	0 36	7 57	0 33	2 10	1 21	22 38	0 42	18 30	0 17	4 51
F 11	22 8	10 42	0s33	20 12	3 15	23 7	0 38	8 9	0 34	2 11	1 22	22 38	0 42	18 31	0 17	4 52
S 12	22 0	15 48	1 35	20 25	3 3	23 0	0 40	8 21	0 36	2 12	1 22	22 38	0 42	18 31	0 17	4 52
S 13	21 52	20 23	2 34	20 38	2 50	22 52	0 42	8 33	0 37	2 13	1 22	22 38	0 42	18 32	0 17	4 52
M14	21 43	24 10	3 27	20 51	2 36	22 44	0 44	8 45	0 38	2 14	1 22	22 37	0 42	18 32	0 17	4 52
T 15	21 34	26 52	4 10	21 4	2 23	22 35	0 46	8 57	0 39	2 15	1 23	22 37	0 42	18 33	0 17	4 53
W16	21 24	28 9	4 42	21 16	2 9	22 25	0 48	9 9	0 40	2 16	1 23	22 37	0 42	18 34	0 17	4 53
T 17	21 14	27 47	4 59	21 28	1 55	22 14	0 50	9 22	0 41	2 16	1 23	22 36	0 42	18 34	0 17	4 53
F 18	21 4	25 41	4 58	21 40	1 41	22 3	0 52	9 34	0 42	2 17	1 24	22 36	0 42	18 35	0 17	4 54
S 19	20 53	21 56	4 39	21 50	1 27	21 52	0 54	9 46	0 43	2 18	1 24	22 36	0 42	18 35	0 17	4 54
S 20	20 42	16 50	4 2	21 59	1 13	21 39	0 56	9 59	0 44	2 18	1 24	22 35	0 42	18 36	0 17	4 54
M21	20 31	10 46	3 10	22 7	0 59	21 26	0 58	10 11	0 45	2 18	1 25	22 35	0 42	18 36	0 17	4 55
T 22	20 19	4 8	2 5	22 14	0 45	21 13	0 59	10 24	0 46	2 19	1 25	22 35	0 41	18 36	0 17	4 55
W23	20 7	2n41	0 53	22 19	0 32	20 58	1 1	10 36	0 47	2 19	1 25	22 34	0 41	18 37	0 17	4 56
T 24	19 54	9 18	0n22	22 22	0 19	20 43	1 3	10 49	0 48	2 19	1 25	22 34	0 41	18 37	0 17	4 56
F 25	19 42	15 22	1 35	22 23	0 6	20 28	1 4	11 1	0 49	2 19	1 26	22 34	0 41	18 38	0 17	4 56
S 26	19 29	20 36	2 42	22 22	0n 7	20 12	1 6	11 14	0 50	2 19	1 26	22 33	0 41	18 38	0 17	4 57
S 27	19 15	24 39	3 38	22 18	0 18	19 55	1 7	11 26	0 50	2 19	1 26	22 33	0 41	18 39	0 17	4 57
M28	19 1	27 15	4 21	22 12	0 30	19 38	1 9	11 39	0 51	2 19	1 27	22 33	0 41	18 39	0 17	4 58
T 29	18 47	28 16	4 49	22 3	0 40	19 20	1 10	11 52	0 52	2 19	1 27	22 32	0 41	18 39	0 17	4 58
W30	18 33	27 39	5 1	21 52	0 50	19 2	1 12	12 4	0 53	2 19	1 27	22 32	0 41	18 40	0 17	4 59
T 31	18n18	25n32	4n58	21n38	0n59	18n43	1n13	12s17	0s54	2n18	1s27	22n32	0s41	18n40	0s17	4s59

Julian Day Number = 2399131.5, Delta T = 10.01 sec  
Ecliptic obliquity = 23°27'37", Nutation = - 0°00'06", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°44'11", Lahiri = 21°51'11"



ASTRODIENST EPHEMERIS for the year 1856  
geocentric

AUGUST 1856

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 39 9	8♂51'44	10♂15	29♂35	11♂59	0♂26	9°R11	8♂18	24♂39	20°R 3	5♂39	17°R54	18°Y54	7♂47	2°R36	F 1
S 2	20 43 6	9°49'12	22°44	1♂38	13°13	1° 0	9°Y10	8°25	24°40	20°X 2	5°40	17°Y43	18°51	7°53	2°32	S 2
S 3	20 47 2	10°46'40	4♂59	3°41	14°27	1°34	9° 9	8°32	24°42	20° 1	5°40	17°34	18°48	8° 0	2°29	S 3
M 4	20 50 59	11°44'09	17° 3	5°45	15°41	2° 8	9° 8	8°39	24°43	20° 0	5°40	17°28	18°44	8° 7	2°26	M 4
T 5	20 54 55	12°41'39	28°57	7°50	16°55	2°43	9° 7	8°46	24°44	19°58	5°R40	17°24	18°41	8°13	2°22	T 5
W 6	20 58 52	13°39'10	10♂46	9°54	18° 9	3°17	9° 5	8°53	24°45	19°57	5°40	17°22	18°38	8°20	2°19	W 6
T 7	21 2 48	14°36'42	22°33	11°58	19°24	3°52	9° 4	9° 0	24°47	19°56	5°40	17°D22	18°35	8°27	2°16	T 7
F 8	21 6 45	15°34'14	4♂23	14° 2	20°38	4°27	9° 2	9° 7	24°48	19°55	5°40	17°23	18°32	8°33	2°12	F 8
S 9	21 10 41	16°31'48	16°21	16° 5	21°52	5° 2	9° 0	9°13	24°49	19°53	5°39	17°R23	18°28	8°40	2° 9	S 9
S 10	21 14 38	17°29'22	28°34	18° 7	23° 6	5°38	8°58	9°20	24°50	19°52	5°39	17°22	18°25	8°47	2° 6	S 10
M 11	21 18 34	18°26'58	11♂5	20° 8	24°20	6°13	8°55	9°27	24°51	19°51	5°39	17°20	18°22	8°53	2° 3	M 11
T 12	21 22 31	19°24'34	23°59	22° 8	25°34	6°49	8°52	9°34	24°52	19°49	5°39	17°15	18°19	9° 0	1°59	T 12
W 13	21 26 28	20°22'12	7♂20	24° 7	26°48	7°25	8°50	9°40	24°53	19°48	5°39	17° 9	18°16	9° 7	1°56	W 13
T 14	21 30 24	21°19'50	21° 7	26° 5	28° 3	8° 1	8°47	9°47	24°54	19°47	5°39	17° 1	18°13	9°13	1°53	T 14
F 15	21 34 21	22°17'30	5♂19	28° 2	29°17	8°37	8°44	9°53	24°54	19°45	5°39	16°52	18° 9	9°20	1°50	F 15
S 16	21 38 17	23°15'11	19°52	29°57	0♂31	9°13	8°40	10° 0	24°55	19°44	5°38	16°44	18° 6	9°27	1°47	S 16
S 17	21 42 14	24°12'53	4♂38	1♂51	1°45	9°50	8°37	10° 6	24°56	19°42	5°38	16°37	18° 3	9°33	1°44	S 17
M 18	21 46 10	25°10'36	19°31	3°43	2°59	10°26	8°33	10°12	24°57	19°41	5°38	16°32	18° 0	9°40	1°41	M 18
T 19	21 50 7	26° 8'21	4°Y21	5°34	4°13	11° 3	8°29	10°19	24°57	19°39	5°38	16°29	17°57	9°46	1°38	T 19
W 20	21 54 4	27° 6'07	19° 2	7°24	5°28	11°40	8°25	10°25	24°58	19°38	5°37	16°D29	17°54	9°53	1°35	W 20
T 21	21 58 0	28° 3'56	3♂29	9°12	6°42	12°17	8°21	10°31	24°58	19°36	5°37	16°30	17°50	10° 0	1°32	T 21
F 22	22 1 57	29° 1'46	17°39	10°59	7°56	12°55	8°16	10°37	24°59	19°35	5°37	16°31	17°47	10° 6	1°29	F 22
S 23	22 5 53	29°59'38	1♂31	12°44	9°10	13°32	8°12	10°43	24°59	19°33	5°36	16°R31	17°44	10°13	1°26	S 23
S 24	22 9 50	0♂57'31	15° 6	14°28	10°25	14°10	8° 7	10°49	25° 0	19°32	5°36	16°30	17°41	10°20	1°23	S 24
M 25	22 13 46	1°55'27	28°25	16°11	11°39	14°47	8° 2	10°55	25° 0	19°30	5°36	16°27	17°38	10°26	1°21	M 25
T 26	22 17 43	2°53'25	11♂28	17°53	12°53	15°25	7°57	11° 1	25° 0	19°29	5°35	16°23	17°34	10°33	1°18	T 26
W 27	22 21 39	3°51'24	24°17	19°33	14° 7	16° 3	7°51	11° 6	25° 0	19°27	5°35	16°16	17°31	10°40	1°15	W 27
T 28	22 25 36	4°49'25	6♂54	21°12	15°22	16°42	7°46	11°12	25° 1	19°26	5°34	16° 9	17°28	10°46	1°13	T 28
F 29	22 29 33	5°47'27	19°19	22°50	16°36	17°20	7°40	11°18	25° 1	19°24	5°34	16° 2	17°25	10°53	1°10	F 29
S 30	22 33 29	6°45'32	1♂32	24°26	17°50	17°58	7°35	11°23	25° 1	19°22	5°33	15°55	17°22	11° 0	1° 8	S 30
S 31	22 37 26	7♂43'38	13♂37	26♂1	19♂4	18♂37	7°Y29	11♂29	25°R 1	19°X21	5♂33	15°Y50	17°Y19	11♂6	1°35	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18n 4	22n10	4n40	21n21	1n 7	18n24	1n14	12s29	0s55	2n18	1s28	22n31	0s41	18n41	0s17	F 1
S 2	17 48	17 51	4 8	21 2	1 15	18 4	1 15	12 42	0 56	2 17	1 28	22 31	0 41	18 41	0 17	S 2
S 3	17 33	12 53	3 26	20 40	1 22	17 44	1 16	12 55	0 56	2 17	1 28	22 30	0 41	18 41	0 17	S 3
M 4	17 17	7 29	2 34	20 16	1 27	17 23	1 17	13 7	0 57	2 16	1 29	22 30	0 41	18 42	0 17	M 4
T 5	17 1	1 54	1 37	19 49	1 32	17 1	1 18	13 20	0 58	2 15	1 29	22 30	0 41	18 42	0 17	T 5
W 6	16 44	3s43	0 35	19 20	1 37	16 39	1 19	13 33	0 59	2 14	1 29	22 29	0 41	18 42	0 17	W 6
T 7	16 28	9 13	0s28	18 49	1 40	16 17	1 20	13 45	1 0	2 13	1 30	22 29	0 41	18 42	0 17	T 7
F 8	16 11	14 24	1 30	18 16	1 43	15 54	1 21	13 58	1 0	2 12	1 30	22 28	0 41	18 43	0 17	F 8
S 9	15 54	19 7	2 29	17 41	1 44	15 31	1 22	14 10	1 1	2 11	1 30	22 28	0 41	18 43	0 17	S 9
S 10	15 36	23 8	3 22	17 5	1 45	15 8	1 22	14 23	1 2	2 10	1 30	22 27	0 41	18 43	0 17	S 10
M 11	15 19	26 12	4 7	16 27	1 46	14 44	1 23	14 35	1 3	2 9	1 31	22 27	0 40	18 43	0 17	M 11
T 12	15 1	28 0	4 41	15 48	1 46	14 19	1 24	14 48	1 3	2 8	1 31	22 27	0 40	18 44	0 17	T 12
W 13	14 43	28 16	5 1	15 8	1 45	13 54	1 24	15 0	1 4	2 6	1 31	22 26	0 40	18 44	0 17	W 13
T 14	14 24	26 49	5 5	14 27	1 43	13 29	1 25	15 13	1 5	2 5	1 31	22 26	0 40	18 44	0 17	T 14
F 15	14 6	23 39	4 50	13 45	1 41	13 4	1 25	15 25	1 5	2 3	1 32	22 25	0 40	18 44	0 17	F 15
S 16	13 47	18 56	4 17	13 2	1 38	12 38	1 25	15 37	1 6	2 2	1 32	22 25	0 40	18 44	0 17	S 16
S 17	13 28	13 0	3 26	12 19	1 35	12 12	1 26	15 50	1 7	2 0	1 32	22 24	0 40	18 45	0 17	S 17
M 18	13 8	6 18	2 20	11 35	1 32	11 45	1 26	16 2	1 7	1 59	1 32	22 24	0 40	18 45	0 17	M 18
T 19	12 49	0n44	1 5	10 50	1 28	11 18	1 26	16 14	1 8	1 57	1 33	22 24	0 40	18 45	0 17	T 19
W 20	12 29	7 40	0n14	10 5	1 23	10 51	1 26	16 26	1 9	1 55	1 33	22 23	0 40	18 45	0 17	W 20
T 21	12 9	14 6	1 30	9 20	1 18	10 23	1 26	16 38	1 9	1 53	1 33	22 23	0 40	18 45	0 17	T 21
F 22	11 49	19 40	2 40	8 35	1 13	9 56	1 26	16 50	1 10	1 51	1 33	22 22	0 40	18 45	0 17	F 22
S 23	11 29	24 3	3 39	7 50	1 8	9 28	1 26	17 2	1 10	1 49	1 34	22 22	0 40	18 45	0 17	S 23
S 24	11 9	27 0	4 24	7 4	1 2	8 59	1 25	17 14	1 11	1 47	1 34	22 21	0 40	18 45	0 17	S 24
M 25	10 48	28 21	4 54	6 19	0 56	8 31	1 25	17 26	1 11	1 45	1 34	22 21	0 40	18 46	0 17	M 25
T 26	10 27	28 5	5 8	5 33	0 49	8 2	1 25	17 37	1 12	1 43	1 34	22 20	0 40	18 46	0 17	T 26
W 27	10 6	26 18	5 6	4 48	0 43	7 33	1 24	17 49	1 13	1 40	1 35	22 20	0 40	18 46	0 17	W 27
T 28	9 45	23 14	4 49	4 2	0 36	7 4	1 24	18 0	1 13	1 38	1 35	22 20	0 40	18 46	0 17	T 28
F 29	9 24	19 8	4 19	3 17	0 29	6 34	1 23	18 12	1 14	1 36	1 35	22 19	0 40	18 46	0 17	F 29
S 30	9 2	14 19	3 37	2 32	0 22	6 5	1 23	18 23	1 14	1 33	1 35	22 19	0 40	18 46	0 17	S 30
S 31	8n41	9n 0	2n46	1n48	0n14	5n35	1n22	18s35	1s15	1n31	1s35	22n18	0s40	18n46	0s17	S 31

Julian Day Number = 2399162.5, Delta T = 9.99 sec  
Ecliptic obliquity = 23°27'37, Nutation = - 0°00'04, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°44'15, Lahiri = 21°51'16

# ASTRODIENST EPHEMERIS for the year 1856

## geocentric

SEPTEMBER 1856

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 41 22	8 <sup>h</sup> 41'45"	25 <sup>h</sup> 33'	27 <sup>h</sup> 35'	20 <sup>h</sup> 19'	19 <sup>h</sup> 16'	7°R23	11 <sup>h</sup> 34'	25°R 1	19°R19	5°R32	15°R46	17°Y15	11 <sup>h</sup> 13'	1°R 3	M 1
T 2	22 45 19	9°39'54"	7 <sup>h</sup> 23'	29° 8'	21°33'	19°55'	7°Y16	11°40'	25°R 1	19°R18	5°R32	15°Y44	17°12'	11°19'	1 <sup>h</sup> 00'	T 2
W 3	22 49 15	10°38'05"	19° 9'	0 <sup>h</sup> 23'	22°47'	20°34'	7°10'	11°45'	25° 0'	19°16'	5°31'	15°D43	17° 9'	11°26'	0°58'	W 3
T 4	22 53 12	11°36'18"	0 <sup>h</sup> 15'	2°10'	24° 2'	21°13'	7° 4'	11°50'	25° 0'	19°14'	5°31'	15°44'	17° 6'	11°33'	0°56'	T 4
F 5	22 57 8	12°34'32"	12°46'	3°39'	25°16'	21°52'	6°57'	11°55'	25° 0'	19°13'	5°30'	15°46'	17° 3'	11°39'	0°54'	F 5
S 6	23 1 5	13°32'47"	24°44'	5° 6'	26°30'	22°32'	6°50'	12° 0'	25° 0'	19°11'	5°29'	15°48'	17° 0'	11°46'	0°51'	S 6
S 7	23 5 1	14°31'04"	6 <sup>h</sup> 55'	6°33'	27°45'	23°11'	6°44'	12° 5'	24°59'	19° 9'	5°29'	15°49'	16°56'	11°53'	0°49'	S 7
M 8	23 8 58	15°29'23"	19°23'	7°58'	28°59'	23°51'	6°37'	12°10'	24°59'	19° 8'	5°28'	15°R49	16°53'	11°59'	0°47'	M 8
T 9	23 12 15	16°27'43"	2 <sup>h</sup> 14'	9°22'	0 <sup>h</sup> 13'	24°31'	6°30'	12°15'	24°59'	19° 6'	5°27'	15°48'	16°50'	12° 6'	0°45'	T 9
W10	23 16 51	17°26'05"	15°31'	10°44'	1°27'	25°11'	6°22'	12°20'	24°58'	19° 4'	5°27'	15°46'	16°47'	12°13'	0°43'	W10
T 11	23 20 48	18°24'29"	29°15'	12° 6'	2°42'	25°51'	6°15'	12°24'	24°57'	19° 3'	5°26'	15°42'	16°44'	12°19'	0°42'	T 11
F 12	23 24 44	19°22'54"	13 <sup>h</sup> 27'	13°25'	3°56'	26°31'	6° 8'	12°29'	24°57'	19° 1'	5°25'	15°39'	16°40'	12°26'	0°40'	F 12
S 13	23 28 41	20°21'21"	28° 4'	14°44'	5°10'	27°11'	6° 0'	12°33'	24°56'	18°59'	5°24'	15°35'	16°37'	12°33'	0°38'	S 13
S 14	23 32 37	21°19'49"	13 <sup>h</sup> 1'	16° 1'	6°25'	27°52'	5°53'	12°38'	24°56'	18°58'	5°24'	15°32'	16°34'	12°39'	0°36'	S 14
M15	23 36 34	22°18'19"	28° 8'	17°16'	7°39'	28°32'	5°45'	12°42'	24°55'	18°56'	5°23'	15°30'	16°31'	12°46'	0°35'	M15
T 16	23 40 30	23°16'51"	13 <sup>h</sup> Y16	18°29'	8°53'	29°13'	5°38'	12°46'	24°54'	18°55'	5°22'	15°D30	16°28'	12°52'	0°33'	T 16
W17	23 44 27	24°15'25"	28°17'	19°41'	10° 8'	29°54'	5°30'	12°51'	24°53'	18°53'	5°21'	15°30'	16°25'	12°59'	0°32'	W17
T 18	23 48 24	25°14'02"	13 <sup>h</sup> 3'	20°52'	11°22'	0 <sup>h</sup> 35'	5°22'	12°55'	24°52'	18°51'	5°21'	15°31'	16°21'	13° 6'	0°30'	T 18
F 19	23 52 20	26°12'40"	27°29'	22° 0'	12°36'	1°15'	5°14'	12°59'	24°51'	18°50'	5°20'	15°32'	16°18'	13°12'	0°29'	F 19
S 20	23 56 17	27°11'21"	11 <sup>h</sup> 31'	23° 6'	13°50'	1°57'	5° 7'	13° 2'	24°50'	18°48'	5°19'	15°33'	16°15'	13°19'	0°28'	S 20
S 21	0 0 13	28°10'05"	25°10'	24°10'	15° 5'	2°38'	4°59'	13° 6'	24°49'	18°46'	5°18'	15°R34	16°12'	13°26'	0°26'	S 21
M22	0 4 10	29° 8'50"	8 <sup>h</sup> 25'	25°12'	16°19'	3°19'	4°51'	13°10'	24°48'	18°45'	5°17'	15°34'	16° 9'	13°32'	0°25'	M22
T 23	0 8 6	0 <sup>h</sup> 21'	21°21'	26°11'	17°33'	4° 1'	4°43'	13°13'	24°47'	18°43'	5°16'	15°33'	16° 5'	13°39'	0°24'	T 23
W24	0 12 3	1° 6'28"	3 <sup>h</sup> 25'	27° 8'	18°48'	4°42'	4°35'	13°17'	24°46'	18°41'	5°15'	15°31'	16° 2'	13°46'	0°23'	W24
T 25	0 15 59	2° 5'20"	16°21'	28° 2'	20° 2'	5°24'	4°27'	13°20'	24°45'	18°40'	5°14'	15°29'	15°59'	13°52'	0°22'	T 25
F 26	0 19 56	3° 4'14"	28°32'	28°53'	21°16'	6° 6'	4°19'	13°24'	24°44'	18°38'	5°14'	15°27'	15°56'	13°59'	0°21'	F 26
S 27	0 23 53	4° 3'11"	10 <sup>h</sup> 34'	29°40'	22°31'	6°47'	4°10'	13°27'	24°42'	18°37'	5°13'	15°26'	15°53'	14° 6'	0°20'	S 27
S 28	0 27 49	5° 2'10"	22°28'	0 <sup>h</sup> 24'	23°45'	7°29'	4° 2'	13°30'	24°41'	18°35'	5°12'	15°24'	15°50'	14°12'	0°20'	S 28
M29	0 31 46	6° 1'10"	4 <sup>h</sup> 18'	1° 3'	24°59'	8°11'	3°54'	13°33'	24°40'	18°34'	5°11'	15°24'	15°46'	14°19'	0°19'	M29
T 30	0 35 42	7 <sup>h</sup> 0'13"	16 <sup>h</sup> 5'	1 <sup>h</sup> 39'	26°13'	8°54'	3°Y46	13°36'	24°38'	18°32'	5°Y10	15°D23	15°Y43	14°26'	0°18'	T 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	8n19	3n25	1n48	1n 4	0n 7	5n 5	1n21	18s46	1s15	1n28	1s36	22n18	0s40	18n46	0s17	5s18	1s 9	2s24	16s42	6n13	6n47	3s56	12s43	7n24							
T 2	7 57	2s14	0 45	0 20	0s 1	4 35	1 21	18 57	1 16	1 25	1 36	22 17	0 40	18 46	0 17	5 18	1 9	2 24	16 42	6 12	6 46	4 0	12 44	7 24							
W 3	7 35	7 48	0s19	0s24	0 9	4 5	1 20	19 8	1 16	1 23	1 36	22 17	0 40	18 46	0 17	5 19	1 9	2 25	16 42	6 12	6 45	4 3	12 44	7 23							
T 4	7 13	13 5	1 22	1 7	0 17	3 35	1 19	19 19	1 17	1 20	1 36	22 16	0 40	18 46	0 17	5 20	1 9	2 25	16 42	6 12	6 43	4 7	12 45	7 23							
F 5	6 51	17 57	2 23	1 50	0 25	3 4	1 18	19 29	1 17	1 17	1 36	22 16	0 40	18 45	0 17	5 20	1 9	2 26	16 43	6 13	6 42	4 10	12 46	7 23							
S 6	6 28	22 10	3 18	2 32	0 33	2 34	1 17	19 40	1 17	1 14	1 36	22 16	0 40	18 45	0 17	5 21	1 9	2 26	16 43	6 13	6 41	4 13	12 47	7 22							
S 7	6 6	25 30	4 5	3 14	0 41	2 3	1 16	19 51	1 18	1 12	1 37	22 15	0 40	18 45	0 17	5 22	1 9	2 27	16 43	6 14	6 40	4 17	12 48	7 22							
M 8	5 43	27 43	4 41	3 55	0 49	1 33	1 14	20 1	1 18	1 9	1 37	22 15	0 40	18 45	0 17	5 22	1 9	2 27	16 43	6 14	6 38	4 20	12 49	7 21							
T 9	5 21	28 32	5 5	4 36	0 57	1 2	1 13	20 11	1 19	1 6	1 37	22 14	0 39	18 45	0 17	5 23	1 9	2 27	16 44	6 13	6 37	4 24	12 49	7 21							
W10	4 58	27 45	5 14	5 16	1 6	0 31	1 12	20 21	1 19	1 3	1 37	22 14	0 39	18 45	0 17	5 24	1 9	2 28	16 44	6 13	6 36	4 27	12 50	7 21							
T 11	4 35	25 18	5 5	5 55	1 14	0 0	1 11	20 31	1 20	1 0	1 37	22 14	0 39	18 45	0 17	5 24	1 9	2 28	16 44	6 11	6 35	4 31	12 51	7 20							
F 12	4 12	21 14	4 38	6 34	1 22	0s30	1 9	20 41	1 20	0 57	1 37	22 13	0 39	18 45	0 17	5 25	1 9	2 29	16 44	6 10	6 34	4 34	12 52	7 20							
S 13	3 49	15 47	3 52	7 12	1 30	1 1	1 8	20 51	1 20	0 54	1 37	22 13	0 39	18 45	0 17	5 25	1 9	2 29	16 45	6 8	6 32	4 37	12 53	7 19							
S 14	3 26	9 17	2 50	7 49	1 38	1 32	1 6	21 1	1 21	0 51	1 38	22 12	0 39	18 44	0 17	5 26	1 9	2 30	16 45	6 7	6 31	4 41	12 53	7 19							
M15	3 3	2 11	1 34	8 25	1 46	2 3	1 5	21 10	1 21	0 48	1 38	22 12	0 39	18 44	0 17	5 27	1 9	2 30	16 45	6 7	6 30	4 44	12 54	7 18							
T 16	2 40	5n 3	0 12	9 1	1 54	2 34	1 3	21 19	1 21	0 45	1 38	22 12	0 39	18 44	0 17	5 27	1 9	2 31	16 45	6 6	6 29	4 48	12 55	7 18							
W17	2 17	11 58	1n10	9 36	2 2	3 4	1 1	21 29	1 22	0 41	1 38	22 11	0 39	18 44	0 17	5 28	1 9	2 31	16 46	6 6	6 27	4 51	12 56	7 18							
T 18	1 54	18 6	2 26	10 9	2 10	3 35	1 0	21 38	1 22	0 38	1 38	22 11	0 39	18 44	0 17	5 29	1 9	2 32	16 46	6 7	6 26	4 54	12 56	7 17							
F 19	1 30	23 3	3 32	10 42	2 17	4 6	0 58	21 46	1 22	0 35	1 38	22 11	0 39	18 43	0 17	5 29	1 9	2 32	16 46	6 7	6 25	4 58	12 57	7 17							
S 20	1 7	26 31	4 22	11 14	2 25	4 36	0 56	21 55	1 23	0 32	1 38	22 10	0 39	18 43	0 17	5 30	1 9	2 32	16 46	6 8	6 24	5 1	12 58	7 16							
S 21	0 44	28 19	4 57	11 44	2 32	5 7	0 54	22 4	1 23	0 29	1 38	22 10	0 39	18 43	0 17	5 31	1 9	2 33	16 46	6 8	6 23	5 5	12 59	7 16							
M22	0 20	28 25	5 14	12 14	2 39	5 37	0 52	22 12	1 23	0 25	1 38	22 10	0 39	18 43	0 17	5 31	1 9	2 33	16 47	6 8	6 21	5 8	12 59	7 15							
T 23	0s 3	26 57	5 15	12 42	2 46	6 8	0 50	22 20	1 24	0 22	1 38	22 9	0 39	18 42	0 17	5 32	1 9	2 34	16 47	6 8	6 20	5 11	13 0	7 15							
W24	0 26	24 8	5 0	13 8	2 52	6 38	0 48	22 28	1 24	0 19	1 38	22 9	0 39	18 42	0 17	5 33	1 9	2 34	16 47	6 7	6 19	5 15	13 1	7 14							
T 25	0 50	20 16	4 32	13 34	2 59	7 8	0 46	22 36	1 24	0 16	1 38	22 9	0 39	18 42	0 17	5 33	1 9	2 35	16 47	6 6	6 18	5 18	13 1	7 14							
F 26	1 13	15 37	3 52	13 57	3 4	7 38	0 44	22 44	1 24	0 13	1 38	22 8	0 39	18 41	0 17	5 34	1 9	2 35	16 47	6 5	6 16	5 21	13 2	7 13							
S 27	1 37	10 25	3 1	14 19	3 10	8 7	0 42	22 51	1 25	0 9	1 38	22 8	0 39	18 41	0 17	5 34	1 9	2 36	16 47	6 5	6 15	5 25	13 3	7 13							
S 28	2 0	4 53	2 4	14 40	3 15	8 37	0 39	22 58	1 25	0 6	1 38	22 8	0 39	18 41	0 17	5 35	1 9	2 36	16 48	6 4	6 14	5 28	13 3	7 12							
M29	2 24	0s47	1 1	14 58	3 19	9 6	0 37	23 6	1 25	0 3	1 38	22 7	0 39	18 40	0 17	5 36	1 9	2 36	16 48	6 4	6 13	5 32	13 4	7 12							
T 30	2s47	6s24	0s 4	15s14	3s23	9s35	0n35	23s12	1s25	0s 0	1s38	22n 7	0s39	18n40	0s17	5s36	1s 9	2s37	16s48	6n 4	6n12	5s35	13s 5	7n11							



# ASTRODIENST EPHEMERIS for the year 1856

## geocentric

NOVEMBER 1856

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 41 52	8♉46°57	12♊54	20♈11	5♋48	2♉10	0°R11	14°R13	23°R35	17°R52	4°R35	15°R17	14°V 2	17♊58	0♈36	S 1
S 2	2 45 49	9°47'05	25°16	21° 6	7° 2	2°55	0°V 6	14♈12	23♊32	17♋51	4♋34	15°V13	13°58	18° 5	0°38	S 2
M 3	2 49 45	10°47'16	7♊52	22° 7	8°16	3°40	0° 2	14°11	23°30	17°50	4°33	15° 9	13°55	18°11	0°40	M 3
T 4	2 53 42	11°47'27	20°42	23°14	9°30	4°25	29♋58	14°10	23°27	17°49	4°32	15° 6	13°52	18°18	0°42	T 4
W 5	2 57 38	12°47'40	3♋49	24°25	10°44	5°11	29°54	14° 9	23°25	17°48	4°31	15° 5	13°49	18°25	0°44	W 5
T 6	3 1 35	13°47'55	17°16	25°41	11°58	5°56	29°50	14° 8	23°22	17°47	4°29	15°D 4	13°46	18°31	0°46	T 6
F 7	3 5 31	14°48'11	1♋ 4	27° 0	13°12	6°41	29°46	14° 7	23°20	17°47	4°28	15° 5	13°43	18°38	0°48	F 7
S 8	3 9 28	15°48'29	15°14	28°22	14°26	7°26	29°43	14° 5	23°18	17°46	4°27	15° 7	13°39	18°45	0°50	S 8
S 9	3 13 24	16°48'47	29°44	29°47	15°40	8°12	29°40	14° 4	23°15	17°45	4°26	15° 8	13°36	18°51	0°52	S 9
M10	3 17 21	17°49'08	14°V32	1♉13	16°54	8°57	29°37	14° 2	23°13	17°45	4°25	15°R 9	13°33	18°58	0°54	M10
T 11	3 21 18	18°49'30	29°33	2°42	18° 8	9°43	29°34	14° 1	23°10	17°44	4°24	15° 8	13°30	19° 5	0°57	T 11
W12	3 25 14	19°49'53	14♊37	4°11	19°22	10°28	29°31	13°59	23° 8	17°43	4°23	15° 6	13°27	19°11	0°59	W12
T 13	3 29 11	20°50'18	29°36	5°42	20°36	11°14	29°29	13°57	23° 5	17°43	4°22	15° 2	13°23	19°18	1° 1	T 13
F 14	3 33 7	21°50'45	14♈22	7°14	21°50	11°59	29°27	13°55	23° 3	17°42	4°21	14°56	13°20	19°25	1° 4	F 14
S 15	3 37 4	22°51'13	28°46	8°47	23° 4	12°45	29°25	13°53	23° 0	17°42	4°20	14°50	13°17	19°31	1° 7	S 15
S 16	3 41 0	23°51'44	12♈44	10°20	24°17	13°31	29°23	13°51	22°58	17°42	4°19	14°44	13°14	19°38	1° 9	S 16
M17	3 44 57	24°52'16	26°13	11°54	25°31	14°17	29°21	13°48	22°55	17°41	4°18	14°39	13°11	19°44	1°12	M17
T 18	3 48 53	25°52'50	9♈16	13°28	26°45	15° 2	29°20	13°46	22°53	17°41	4°17	14°36	13° 8	19°51	1°15	T 18
W19	3 52 50	26°53'25	21°53	15° 2	27°59	15°48	29°19	13°44	22°50	17°40	4°15	14°D34	13° 4	19°58	1°17	W19
T 20	3 56 47	27°54'02	4♈10	16°36	29°13	16°34	29°18	13°41	22°48	17°40	4°14	14°35	13° 1	20° 4	1°20	T 20
F 21	4 0 43	28°54'41	16°12	18°11	0♉27	17°20	29°17	13°38	22°45	17°40	4°13	14°36	12°58	20°11	1°23	F 21
S 22	4 4 40	29°55'22	28° 4	19°46	1°40	18° 6	29°16	13°35	22°43	17°40	4°12	14°37	12°55	20°18	1°26	S 22
S 23	4 8 36	0♉56°04	9♈51	21°20	2°54	18°52	29°16	13°33	22°40	17°39	4°11	14°R38	12°52	20°24	1°29	S 23
M24	4 12 33	1°56'48	21°37	22°55	4° 8	19°39	29°D16	13°30	22°38	17°39	4°10	14°38	12°49	20°31	1°32	M24
T 25	4 16 29	2°57'33	3♈27	24°29	5°22	20°25	29°16	13°26	22°35	17°39	4° 9	14°36	12°45	20°38	1°36	T 25
W26	4 20 26	3°58'19	15°24	26° 4	6°35	21°11	29°16	13°23	22°33	17°39	4° 8	14°32	12°42	20°44	1°39	W26
T 27	4 24 22	4°59'08	27°29	27°39	7°49	21°57	29°17	13°20	22°30	17°39	4° 8	14°25	12°39	20°51	1°42	T 27
F 28	4 28 19	5°59'57	9♉46	29°13	9° 3	22°44	29°17	13°17	22°28	17°39	4° 7	14°16	12°36	20°58	1°45	F 28
S 29	4 32 16	7° 0'48	22°14	0♉47	10°16	23°30	29°18	13°13	22°25	17°D39	4° 6	14° 6	12°33	21° 4	1°49	S 29
S 30	4 36 12	8♉ 1'39	4♉53	2♉22	11♉30	24♉16	29♋19	13♈10	22♊23	17♋39	4♋ 5	13°V56	12°V29	21♊11	1♈52	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	14s26	26s45	4s26	5s55	2n 8	22s 6	0s49	24s54	1s27	1s22	1s34	22n 4	0s38	18n24	0s17	5s52	1s 9	2s49	16s50	6n 1	5n32	7s23	13s17	6n55			
S 2	14 46	28 18	4 55	6 13	2 11	22 21	0 52	24 53	1 27	1 24	1 34	22 4	0 38	18 24	0 17	5 52	1 9	2 50	16 50	6 0	5 31	7 26	13 17	6 54			
M 3	15 4	28 25	5 11	6 34	2 13	22 36	0 54	24 52	1 27	1 25	1 34	22 4	0 38	18 23	0 17	5 52	1 9	2 50	16 50	5 58	5 30	7 30	13 17	6 54			
T 4	15 23	27 1	5 12	6 58	2 13	22 50	0 57	24 50	1 27	1 27	1 33	22 5	0 38	18 23	0 17	5 53	1 9	2 50	16 50	5 57	5 29	7 33	13 17	6 53			
W 5	15 42	24 8	4 57	7 25	2 13	23 3	0 59	24 49	1 27	1 28	1 33	22 5	0 38	18 22	0 17	5 53	1 9	2 51	16 50	5 57	5 27	7 36	13 18	6 53			
T 6	16 0	19 54	4 26	7 53	2 12	23 16	1 2	24 46	1 27	1 29	1 33	22 5	0 38	18 21	0 17	5 53	1 9	2 51	16 49	5 57	5 26	7 40	13 18	6 52			
F 7	16 18	14 30	3 38	8 24	2 10	23 28	1 4	24 44	1 27	1 31	1 33	22 5	0 38	18 21	0 17	5 53	1 9	2 51	16 49	5 57	5 25	7 43	13 18	6 52			
S 8	16 35	8 14	2 37	8 56	2 7	23 39	1 7	24 42	1 27	1 32	1 32	22 5	0 38	18 20	0 17	5 54	1 9	2 52	16 49	5 57	5 24	7 46	13 18	6 51			
S 9	16 52	1 23	1 23	9 29	2 4	23 50	1 9	24 39	1 27	1 33	1 32	22 5	0 38	18 20	0 17	5 54	1 9	2 52	16 49	5 58	5 22	7 50	13 18	6 51			
M10	17 9	5n41	0 3	10 2	2 0	24 0	1 12	24 36	1 26	1 34	1 32	22 6	0 38	18 19	0 17	5 54	1 9	2 52	16 49	5 58	5 21	7 53	13 18	6 50			
T 11	17 26	12 32	1n18	10 37	1 55	24 9	1 14	24 32	1 26	1 35	1 32	22 6	0 38	18 18	0 17	5 54	1 9	2 52	16 49	5 58	5 20	7 56	13 18	6 50			
W12	17 43	18 41	2 34	11 12	1 50	24 18	1 16	24 29	1 26	1 35	1 31	22 6	0 38	18 18	0 17	5 55	1 9	2 53	16 49	5 57	5 19	8 0	13 18	6 49			
T 13	17 59	23 39	3 39	11 47	1 45	24 26	1 18	24 25	1 26	1 36	1 31	22 6	0 38	18 17	0 17	5 55	1 9	2 53	16 49	5 55	5 17	8 3	13 18	6 49			
F 14	18 15	26 59	4 28	12 23	1 39	24 33	1 21	24 20	1 26	1 37	1 31	22 6	0 38	18 17	0 17	5 55	1 9	2 53	16 49	5 53	5 16	8 6	13 17	6 48			
S 15	18 30	28 26	4 59	12 58	1 33	24 40	1 23	24 16	1 26	1 37	1 31	22 7	0 38	18 16	0 17	5 55	1 9	2 53	16 49	5 51	5 15	8 10	13 17	6 48			
S 16	18 45	28 0	5 11	13 33	1 27	24 45	1 25	24 11	1 25	1 38	1 30	22 7	0 38	18 15	0 17	5 55	1 9	2 53	16 48	5 49	5 14	8 13	13 17	6 47			
M17	19 0	25 54	5 4	14 8	1 21	24 50	1 27	24 6	1 25	1 38	1 30	22 7	0 38	18 15	0 17	5 55	1 9	2 54	16 48	5 47	5 12	8 16	13 17	6 47			
T 18	19 15	22 30	4 43	14 43	1 14	24 54	1 29	24 1	1 25	1 38	1 30	22 8	0 37	18 14	0 17	5 56	1 9	2 54	16 48	5 46	5 11	8 20	13 17	6 47			
W19	19 29	18 8	4 8	15 17	1 8	24 58	1 31	23 55	1 25	1 39	1 30	22 8	0 37	18 13	0 17	5 56	1 9	2 54	16 48	5 45	5 10	8 23	13 17	6 46			
T 20	19 43	13 7	3 22	15 50	1 1	25 1	1 33	23 50	1 24	1 39	1 29	22 8	0 37	18 13	0 17	5 56	1 8	2 54	16 48	5 45	5 9	8 26	13 17	6 46			
F 21	19 56	7 43	2 28	16 24	0 54	25 3	1 35	23 44	1 24	1 39	1 29	22 9	0 37	18 12	0 17	5 56	1 8	2 54	16 48	5 45	5 8	8 30	13 16	6 45			
S 22	20 9	2 8	1 29	16 56	0 47	25 4	1 37	23 37	1 24	1 39	1 29	22 9	0 37	18 12	0 17	5 56	1 8	2 55	16 47	5 46	5 6	8 33	13 16	6 45			
S 23	20 22	3s30	0 26	17 28	0 40	25 4	1 39	23 31	1 24	1 39	1 28	22 9	0 37	18 11	0 17	5 56	1 8	2 55	16 47	5 46	5 5	8 36	13 16	6 44			
M24	20 34	9 1	0s38	17 59	0 33	25 4	1 40	23 24	1 23	1 38	1 28	22 10	0 37	18 10	0 17	5 56	1 8	2 55	16 47	5 46	5 4	8 40	13 16	6 44			
T 25	20 46	14 14	1 40	18 29	0 26	25 3	1 42	23 17	1 23	1 38	1 28	22 10	0 37	18 10	0 17	5 56	1 8	2 55	16 47	5 46	5 3	8 43	13 16	6 44			
W26	20 58	18 59	2 38	18 58	0 19	25 1	1 44	23 9	1 23	1 38	1 28	22 10	0 37	18 9	0 17	5 56	1 8	2 55	16 47	5 44	5 1	8 46	13 15	6 43			
T 27	21 9	23 1	3 30	19 27	0 13	24 59	1 45	23 2	1 23	1 37	1 27	22 11	0 37	18 9	0 17	5 56	1 8	2 55	16 47	5 41	5 0	8 50	13 15	6 43			
F 28	21 20	26 6	4 12	19 55	0 6	24 56	1 47	22 54	1 22	1 37	1 27	22 11	0 37	18 8	0 17	5 56	1 8	2 55	16 46	5 38	4 59	8 53	13 15	6 42			
S 29	21 30	27 57	4 44	20 21	0s 1	24 51	1 48	22 46	1 22	1 36	1 27	22 11	0 37	18 7	0 17	5 56	1 8	2 55	16 46	5 34	4 58	8 56	13 14	6 42			
S 30	21s40	28s24	5s 2	20s47	0s 8	24s47	1s49	22s37	1s22	1s36	1s26	22n12	0s37	18n 7	0s17	5s56	1s 8	2s55	16s46	5n30	4n56	9s 0	13s14	6n42			

ASTRODIENST EPHEMERIS for the year 1856  
geocentric

DECEMBER 1856

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 40 9	9♂ 2'32	17♂45	3♂56	12♂44	25♂ 3	29♂21	13°R 6	22°R21	17♂39	4°R 4	13°R46	12°Y26	21♂18	1♂56	M 1
T 2	4 44 5	10° 3'26	0♂49	5°30	13°57	25°49	29°22	13♂ 2	22♂18	17°39	4♂ 3	13°Y38	12°23	21°24	1°59	T 2
W 3	4 48 2	11° 4'20	14° 5	7° 5	15°11	26°36	29°24	12°59	22°16	17°39	4° 2	13°32	12°20	21°31	2° 3	W 3
T 4	4 51 58	12° 5'16	27°33	8°39	16°24	27°22	29°26	12°55	22°14	17°39	4° 1	13°29	12°17	21°37	2° 6	T 4
F 5	4 55 55	13° 6'12	11♂16	10°13	17°38	28° 9	29°28	12°51	22°11	17°39	4° 0	13°D28	12°14	21°44	2°10	F 5
S 6	4 59 51	14° 7'08	25°13	11°47	18°51	28°55	29°30	12°47	22° 9	17°40	4° 0	13°28	12°10	21°51	2°14	S 6
S 7	5 3 48	15° 8'05	9°Y24	13°21	20° 4	29°42	29°33	12°43	22° 7	17°40	3°59	13°R29	12° 7	21°57	2°17	S 7
M 8	5 7 45	16° 9'03	23°49	14°56	21°18	0♂29	29°35	12°39	22° 5	17°40	3°58	13°28	12° 4	22° 4	2°21	M 8
T 9	5 11 41	17°10'02	8♂25	16°30	22°31	1°15	29°38	12°35	22° 2	17°41	3°57	13°26	12° 1	22°11	2°25	T 9
W10	5 15 38	18°11'01	23° 6	18° 4	23°44	2° 2	29°42	12°30	22° 0	17°41	3°56	13°21	11°58	22°17	2°29	W10
T 11	5 19 34	19°12'01	7♂47	19°39	24°58	2°49	29°45	12°26	21°58	17°41	3°56	13°13	11°55	22°24	2°33	T 11
F 12	5 23 31	20°13'02	22°20	21°13	26°11	3°35	29°48	12°22	21°56	17°42	3°55	13° 3	11°51	22°31	2°37	F 12
S 13	5 27 27	21°14'03	6♂38	22°48	27°24	4°22	29°52	12°17	21°54	17°42	3°54	12°52	11°48	22°37	2°41	S 13
S 14	5 31 24	22°15'05	20°34	24°22	28°37	5° 9	29°56	12°13	21°52	17°43	3°53	12°40	11°45	22°44	2°45	S 14
M15	5 35 21	23°16'08	4♂ 6	25°57	29°50	5°56	0°Y 0	12° 8	21°50	17°43	3°53	12°30	11°42	22°51	2°49	M15
T 16	5 39 17	24°17'12	17°11	27°32	1♂ 3	6°43	0° 4	12° 4	21°48	17°44	3°52	12°22	11°39	22°57	2°53	T 16
W17	5 43 14	25°18'17	29°53	29° 7	2°16	7°29	0° 9	11°59	21°46	17°45	3°51	12°17	11°35	23° 4	2°57	W17
T 18	5 47 10	26°19'22	12♂13	0♂43	3°29	8°16	0°14	11°55	21°44	17°45	3°51	12°14	11°32	23°11	3° 2	T 18
F 19	5 51 7	27°20'28	24°17	2°18	4°42	9° 3	0°18	11°50	21°42	17°46	3°50	12°D13	11°29	23°17	3° 6	F 19
S 20	5 55 3	28°21'35	6♂ 9	3°54	5°55	9°50	0°24	11°45	21°40	17°47	3°50	12°R13	11°26	23°24	3°10	S 20
S 21	5 59 0	29°22'43	17°57	5°30	7° 8	10°37	0°29	11°40	21°38	17°47	3°49	12°13	11°23	23°30	3°14	S 21
M22	6 2 56	0♂23'51	29°44	7° 6	8°20	11°24	0°34	11°36	21°36	17°48	3°48	12°12	11°20	23°37	3°19	M22
T 23	6 6 53	1°25'00	11♂17	8°42	9°33	12°11	0°40	11°31	21°35	17°49	3°48	12° 8	11°16	23°44	3°23	T 23
W24	6 10 50	2°26'09	23°39	10°18	10°46	12°58	0°45	11°26	21°33	17°50	3°47	12° 2	11°13	23°50	3°28	W24
T 25	6 14 46	3°27'19	5♂54	11°55	11°58	13°45	0°51	11°21	21°31	17°51	3°47	11°53	11°10	23°57	3°32	T 25
F 26	6 18 43	4°28'30	18°23	13°32	13°11	14°32	0°58	11°16	21°30	17°52	3°46	11°41	11° 7	24° 4	3°36	F 26
S 27	6 22 39	5°29'41	1♂ 9	15° 8	14°23	15°19	1° 4	11°11	21°28	17°52	3°46	11°28	11° 4	24°10	3°41	S 27
S 28	6 26 36	6°30'52	14°10	16°45	15°36	16° 6	1°10	11° 6	21°26	17°53	3°45	11°14	11° 1	24°17	3°46	S 28
M29	6 30 32	7°32'03	27°24	18°22	16°48	16°53	1°17	11° 1	21°25	17°54	3°45	11° 0	10°57	24°24	3°50	M29
T 30	6 34 29	8°33'14	10♂51	19°59	18° 0	17°40	1°24	10°56	21°23	17°56	3°45	10°49	10°54	24°30	3°55	T 30
W31	6 38 25	9♂34'25	24♂28	21♂36	19♂12	18♂27	1°Y31	10♂51	21♂22	17♂57	3♂44	10°Y40	10°Y51	24♂37	3♂59	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	21s50	27s19	5s 5	21s12	0s15	24s41	1s51	22s29	1s21	1s35	1s26	22n12	0s37	18n 6	0s17	5s56
T 2	21 59	24 44	4 52	21 35	0 21	24 35	1 52	22 20	1 21	1 34	1 26	22 13	0 37	18 6	0 17	5 56
W 3	22 7	20 49	4 23	21 58	0 28	24 28	1 53	22 10	1 21	1 33	1 26	22 13	0 37	18 5	0 17	5 56
T 4	22 16	15 46	3 40	22 20	0 34	24 20	1 54	22 1	1 20	1 32	1 25	22 14	0 37	18 4	0 17	5 56
F 5	22 23	9 52	2 43	22 40	0 41	24 12	1 55	21 51	1 20	1 31	1 25	22 14	0 36	18 4	0 17	5 56
S 6	22 31	3 22	1 36	23 0	0 47	24 3	1 56	21 42	1 20	1 30	1 25	22 14	0 36	18 3	0 17	5 55
S 7	22 38	3n24	0 22	23 18	0 53	23 53	1 57	21 31	1 19	1 28	1 24	22 15	0 36	18 3	0 17	5 55
M 8	22 44	10 6	0n55	23 35	0 59	23 42	1 57	21 21	1 19	1 27	1 24	22 15	0 36	18 2	0 17	5 55
T 9	22 50	16 21	2 9	23 51	1 5	23 31	1 58	21 10	1 19	1 26	1 24	22 16	0 36	18 2	0 17	5 55
W10	22 56	21 42	3 15	24 5	1 10	23 19	1 59	21 0	1 18	1 24	1 24	22 16	0 36	18 1	0 17	5 55
T 11	23 1	25 41	4 7	24 19	1 16	23 7	1 59	20 49	1 18	1 22	1 23	22 17	0 36	18 0	0 17	5 55
F 12	23 6	27 57	4 43	24 31	1 21	22 53	1 59	20 37	1 17	1 21	1 23	22 17	0 36	18 0	0 17	5 54
S 13	23 10	28 18	5 1	24 42	1 26	22 39	2 0	20 26	1 17	1 19	1 23	22 18	0 36	17 59	0 17	5 54
S 14	23 14	26 49	5 0	24 51	1 31	22 25	2 0	20 14	1 17	1 17	1 22	22 18	0 36	17 59	0 17	5 54
M15	23 17	23 48	4 41	24 59	1 35	22 10	2 0	20 2	1 16	1 15	1 22	22 19	0 36	17 58	0 17	5 54
T 16	23 20	19 39	4 9	25 6	1 40	21 54	2 0	19 50	1 16	1 13	1 22	22 19	0 36	17 58	0 17	5 53
W17	23 23	13 43	3 25	25 11	1 44	21 37	2 0	19 38	1 15	1 11	1 22	22 20	0 36	17 57	0 17	5 53
T 18	23 25	9 20	2 32	25 15	1 48	21 20	2 0	19 25	1 15	1 9	1 21	22 20	0 35	17 57	0 17	5 53
F 19	23 26	3 43	1 34	25 18	1 52	21 3	2 0	19 12	1 14	1 7	1 21	22 21	0 35	17 56	0 17	5 53
S 20	23 27	1s57	0 32	25 19	1 55	20 44	1 59	18 59	1 14	1 5	1 21	22 21	0 35	17 56	0 16	5 52
S 21	23 28	7 31	0s30	25 19	1 58	20 25	1 59	18 46	1 14	1 2	1 21	22 22	0 35	17 55	0 16	5 52
M22	23 28	12 49	1 32	25 17	2 1	20 6	1 58	18 33	1 13	1 0	1 20	22 22	0 35	17 55	0 16	5 52
T 23	23 27	17 42	2 29	25 13	2 3	19 46	1 58	18 19	1 13	0 58	1 20	22 23	0 35	17 55	0 16	5 51
W24	23 26	21 56	3 21	25 8	2 5	19 26	1 57	18 5	1 12	0 55	1 20	22 23	0 35	17 54	0 16	5 51
T 25	23 25	25 18	4 4	25 2	2 7	19 5	1 56	17 51	1 12	0 52	1 19	22 24	0 35	17 54	0 16	5 51
F 26	23 23	27 32	4 36	24 54	2 8	18 43	1 55	17 37	1 11	0 50	1 19	22 24	0 35	17 53	0 16	5 50
S 27	23 21	28 22	4 55	24 44	2 9	18 21	1 54	17 23	1 11	0 47	1 19	22 25	0 35	17 53	0 16	5 50
S 28	23 18	27 40	4 59	24 33	2 10	17 59	1 53	17 8	1 10	0 44	1 19	22 25	0 35	17 53	0 16	5 49
M29	23 15	25 24	4 48	24 21	2 10	17 36	1 52	16 54	1 10	0 41	1 18	22 26	0 34	17 52	0 16	5 49
T 30	23 11	21 42	4 20	24 6	2 10	17 12	1 51	16 39	1 9	0 38	1 18	22 26	0 34	17 52	0 16	5 49
W31	23s 7	16s48	3s38	23s51	2s 9	16s49	1s50	16s24	1s 9	0s35	1s18	22n27	0s34	17n51	0s16	5s48

Julian Day Number = 2399284.5, Delta T = 9.88 sec  
Ecliptic obliquity = 23°27'37", Nutation = - 0°00'04", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°44'32", Lahiri = 21°51'33"