



# Astrodienst Ephemeris Tables for the year 1862

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 1862  
geocentric

JANUARY 1862

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 41 33	10°22'56	16°32' 2	3°34' 26	26°40	26°28	27°16	22°41	13°R17	28°58	8°R33	4°R20	4°37	18°20	28°52	W 1
T 2	6 45 30	11°24'07	0°38' 18	5°21' 27	27°33	27° 8	27°18	22°R41	13°II15	28°59	8°33	4°30	4° 3	18°26	28°55	T 2
F 3	6 49 26	12°25'18	14°12	6°56' 28	28°24	27°48	27°20	22°41	13°13	29° 0	8°33	4°19	4° 0	18°33	28°58	F 3
S 4	6 53 23	13°26'29	27°43	8°31' 29	29°15	28°28	27°21	22°41	13°11	29° 1	8°32	4°18	3°57	18°40	29° 2	S 4
S 5	6 57 20	14°27'40	10°49	10° 7	0°45	29° 9	27°23	22°41	13° 8	29° 2	8°32	4°16	3°54	18°46	29° 5	S 5
M 6	7 1 16	15°28'50	23°32	11°43	0°55	29°49	27°24	22°40	13° 6	29° 2	8°31	4°15	3°51	18°53	29° 8	M 6
T 7	7 5 13	16°29'59	5°56	13°19	1°43	0°29	27°25	22°40	13° 4	29° 3	8°31	4°14	3°47	19° 0	29°11	T 7
W 8	7 9 9	17°31'09	18° 5	14°56	2°31	1° 9	27°26	22°39	13° 2	29° 4	8°31	4°D14	3°44	19° 6	29°14	W 8
T 9	7 13 6	18°32'17	0°8' 2	16°33	3°17	1°50	27°27	22°39	13° 0	29° 5	8°30	4°14	3°41	19°13	29°18	T 9
F 10	7 17 2	19°33'25	11°53	18°11	4° 3	2°30	27°27	22°38	12°58	29° 6	8°30	4°15	3°38	19°20	29°21	F 10
S 11	7 20 59	20°34'33	23°43	19°49	4°47	3°10	27°27	22°37	12°57	29° 7	8°30	4°17	3°35	19°26	29°24	S 11
S 12	7 24 55	21°35'40	5°II35	21°28	5°31	3°51	27°R28	22°36	12°55	29° 8	8°30	4°18	3°32	19°33	29°28	S 12
M13	7 28 52	22°36'46	17°35	23° 7	6°13	4°31	27°27	22°35	12°53	29°10	8°29	4°20	3°28	19°40	29°31	M13
T 14	7 32 49	23°37'52	29°45	24°47	6°55	5°12	27°27	22°33	12°51	29°11	8°29	4°R20	3°25	19°47	29°35	T 14
W15	7 36 45	24°38'57	12°57	26°27	7°35	5°52	27°27	22°32	12°49	29°12	8°29	4°20	3°22	19°53	29°38	W15
T 16	7 40 42	25°40'02	24°44	28° 8	8°13	6°33	27°26	22°31	12°48	29°13	8°29	4°19	3°19	20° 0	29°42	T 16
F 17	7 44 38	26°41'06	7°35	29°49	8°51	7°13	27°25	22°29	12°46	29°14	8°29	4°17	3°16	20° 7	29°45	F 17
S 18	7 48 35	27°42'09	20°41	1°30	9°27	7°54	27°24	22°27	12°45	29°16	8°29	4°13	3°13	20°13	29°49	S 18
S 19	7 52 31	28°43'12	4°11	3°13	10° 2	8°34	27°23	22°26	12°43	29°17	8°29	4°10	3° 9	20°20	29°53	S 19
M20	7 56 28	29°44'14	17°33	4°55	10°35	9°15	27°21	22°24	12°41	29°18	8°29	4° 6	3° 6	20°27	29°56	M20
T 21	8 0 24	0°45'16	1°17	6°38	11° 7	9°55	27°20	22°22	12°40	29°20	8°29	4° 2	3° 3	20°33	29°59	T 21
W22	8 4 21	1°46'18	15°10	8°22	11°37	10°36	27°18	22°20	12°39	29°21	8°D28	4° 0	3° 0	20°40	0°4' 4	W22
T 23	8 8 18	2°47'19	29°11	10° 6	12° 5	11°16	27°16	22°18	12°37	29°23	8°29	3°D59	2°57	20°47	0° 7	T 23
F 24	8 12 14	3°48'19	13°11	11°50	12°32	11°57	27°14	22°15	12°36	29°24	8°29	3°59	2°53	20°53	0°11	F 24
S 25	8 16 11	4°49'19	27°32	13°34	12°57	12°37	27°11	22°13	12°35	29°25	8°29	4° 0	2°50	21° 0	0°15	S 25
S 26	8 20 7	5°50'19	11°48	15°19	13°21	13°18	27° 9	22°10	12°33	29°27	8°29	4° 2	2°47	21° 7	0°19	S 26
M27	8 24 4	6°51'17	26° 5	17° 3	13°42	13°59	27° 6	22° 8	12°32	29°28	8°29	4° 3	2°44	21°13	0°22	M27
T 28	8 28 0	7°52'15	10°31	18°48	14° 2	14°39	27° 3	22° 5	12°31	29°30	8°29	4°R 3	2°41	21°20	0°26	T 28
W29	8 31 57	8°53'13	24°27	20°32	14°19	15°20	27° 0	22° 3	12°30	29°32	8°29	4° 2	2°38	21°27	0°30	W29
T 30	8 35 54	9°54'09	8°24	22°16	14°34	16° 1	26°57	22° 0	12°29	29°33	8°29	3°58	2°34	21°33	0°34	T 30
F 31	8 39 50	10°55'04	22°26	23°59	14°48	16°42	26°53	21°57	12°28	29°35	8°29	3°53	2°31	21°40	0°38	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
W 1	23s 3	21s25	1n 5	24s39	1s15	13s17	0s41	18s59	0n25	2n16	1n17	4n50	2n 6	22n26	0n 1	1s40
T 2	22 58	17 50	2 19	24 41	1 20	12 53	0 35	19 9	0 24	2 16	1 18	4 50	2 7	22 25	0 1	1 40
F 3	22 53	13 20	3 24	24 41	1 25	12 28	0 28	19 18	0 23	2 15	1 18	4 51	2 7	22 25	0 1	1 39
S 4	22 47	8 17	4 15	24 41	1 30	12 3	0 20	19 28	0 23	2 15	1 18	4 51	2 7	22 25	0 1	1 39
S 5	22 40	3 2	4 51	24 38	1 34	11 39	0 13	19 37	0 22	2 15	1 19	4 51	2 7	22 25	0 1	1 38
M 6	22 34	2n12	5 11	24 35	1 39	11 14	0 5	19 46	0 22	2 14	1 19	4 52	2 8	22 24	0 1	1 38
T 7	22 26	7 12	5 17	24 29	1 42	10 49	0n 3	19 56	0 21	2 14	1 19	4 52	2 8	22 24	0 1	1 38
W 8	22 19	11 50	5 8	24 23	1 46	10 25	0 11	20 4	0 20	2 14	1 19	4 53	2 8	22 24	0 1	1 37
T 9	22 10	15 56	4 45	24 15	1 50	10 0	0 20	20 13	0 20	2 14	1 20	4 53	2 9	22 24	0 1	1 37
F 10	22 2	19 23	4 11	24 5	1 53	9 36	0 28	20 22	0 19	2 14	1 20	4 54	2 9	22 24	0 1	1 36
S 11	21 53	22 3	3 26	23 54	1 56	9 11	0 37	20 30	0 18	2 14	1 20	4 55	2 9	22 23	0 1	1 36
S 12	21 43	23 45	2 32	23 41	1 58	8 47	0 46	20 39	0 18	2 15	1 21	4 55	2 9	22 23	0 1	1 35
M13	21 34	24 24	1 31	23 27	2 0	8 23	0 56	20 47	0 17	2 15	1 21	4 56	2 10	22 23	0 1	1 35
T 14	21 23	23 53	0 25	23 11	2 2	7 58	1 5	20 55	0 17	2 15	1 21	4 57	2 10	22 23	0 1	1 34
W15	21 13	22 12	0s43	22 54	2 4	7 35	1 15	21 2	0 16	2 16	1 21	4 57	2 10	22 22	0 1	1 34
T 16	21 2	19 23	1 50	22 35	2 5	7 11	1 25	21 10	0 15	2 16	1 22	4 58	2 10	22 22	0 1	1 33
F 17	20 50	15 36	2 53	22 15	2 5	6 47	1 35	21 18	0 15	2 17	1 22	4 59	2 11	22 22	0 1	1 33
S 18	20 38	11 0	3 48	21 53	2 6	6 24	1 46	21 25	0 14	2 17	1 22	5 0	2 11	22 22	0 1	1 32
S 19	20 26	5 49	4 32	21 29	2 5	6 1	1 56	21 32	0 13	2 18	1 22	5 1	2 11	22 22	0 1	1 32
M20	20 13	0 18	5 1	21 4	2 5	5 39	2 7	21 39	0 12	2 19	1 23	5 2	2 11	22 21	0 1	1 31
T 21	20 0	5s18	5 13	20 37	2 4	5 16	2 18	21 46	0 12	2 20	1 23	5 3	2 12	22 21	0 1	1 31
W22	19 47	10 42	5 8	20 9	2 2	4 54	2 30	21 52	0 11	2 21	1 23	5 4	2 12	22 21	0 1	1 30
T 23	19 33	15 37	4 44	19 39	2 0	4 33	2 41	21 59	0 10	2 22	1 24	5 5	2 12	22 21	0 1	1 30
F 24	19 19	19 42	4 3	19 8	1 57	4 12	2 53	22 5	0 10	2 23	1 24	5 6	2 12	22 21	0 1	1 29
S 25	19 4	22 39	3 7	18 35	1 54	3 51	3 5	22 11	0 9	2 24	1 24	5 7	2 13	22 21	0 1	1 28
S 26	18 50	24 11	1 59	18 1	1 50	3 31	3 17	22 17	0 8	2 25	1 24	5 9	2 13	22 20	0 1	1 28
M27	18 34	24 7	0 43	17 25	1 46	3 11	3 30	22 22	0 7	2 27	1 25	5 10	2 13	22 20	0 1	1 27
T 28	18 19	22 29	0n34	16 48	1 41	2 52	3 42	22 28	0 7	2 28	1 25	5 11	2 13	22 20	0 1	1 26
W29	18 3	19 27	1 49	16 9	1 35	2 34	3 55	22 33	0 6	2 30	1 25	5 12	2 14	22 20	0 1	1 26
T 30	17 47	15 20	2 56	15 30	1 28	2 16	4 8	22 38	0 5	2 31	1 25	5 14	2 14	22 20	0 1	1 25
F 31	17s30	10s30	3n52	14s49	1s21	1s59	4n21	22s43	0n 4	2n33	1n26	5n15	2n14	22n20	0n 1	1s24

Julian Day Number = 2401141.5, Delta T = 8.97 sec  
Ecliptic obliquity = 23°27'26, Nutation = 0°00'18, out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°48'48, Lahiri = 21°55'48

# ASTRODIENST EPHEMERIS for the year 1862

## geocentric

FEBRUARY 1862

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day	
S 1	8 43 47	11°55'58	5°30	25°41	14°59	17°22	26°R50	21°R54	12°R27	29°36	8°30	3°R46	2°28	21°47	0°42	S 1	
S 2	8 47 43	12°56'51	18°34	27°21	15° 8	18° 3	26°46	21°51	12°26	29°38	8°30	3°39	2°25	21°53	0°46	S 2	
M 3	8 51 40	13°57'42	1°18	29° 0	15°14	18°44	26°42	21°47	12°25	29°40	8°30	3°32	2°22	22° 0	0°50	M 3	
T 4	8 55 36	14°58'32	13°44	0°37	15°18	19°25	26°38	21°44	12°24	29°42	8°30	3°27	2°19	22° 7	0°54	T 4	
W 5	8 59 33	15°59'21	25°54	2°12	15°R20	20° 5	26°33	21°41	12°23	29°43	8°31	3°23	2°15	22°13	0°58	W 5	
T 6	9 3 29	17° 0'08	7°53	3°43	15°19	20°46	26°29	21°37	12°23	29°45	8°31	3°20	2°12	22°20	1° 2	T 6	
F 7	9 7 26	18° 0'53	19°44	5°11	15°16	21°27	26°24	21°34	12°22	29°47	8°31	3°D20	2° 9	22°27	1° 6	F 7	
S 8	9 11 22	19° 1'37	1°33	6°34	15°10	22° 8	26°19	21°30	12°21	29°49	8°32	3°21	2° 6	22°34	1°10	S 8	
S 9	9 15 19	20° 2'20	13°26	7°53	15° 2	22°49	26°14	21°27	12°21	29°51	8°32	3°22	2° 3	22°40	1°14	S 9	
M10	9 19 16	21° 3'01	25°27	9° 5	14°51	23°29	26° 9	21°23	12°20	29°52	8°32	3°23	1°59	22°47	1°18	M10	
T 11	9 23 12	22° 3'40	7°42	10°12	14°38	24°10	26° 4	21°19	12°20	29°54	8°33	3°R23	1°56	22°54	1°22	T 11	
W12	9 27 9	23° 4'18	20°12	11°11	14°22	24°51	25°58	21°15	12°20	29°56	8°33	3°22	1°53	23° 0	1°26	W12	
T 13	9 31 5	24° 4'54	3°3	12° 2	14° 4	25°32	25°53	21°12	12°19	29°58	8°34	3°18	1°50	23° 7	1°30	T 13	
F 14	9 35 2	25° 5'28	16°13	12°45	13°43	26°13	25°47	21° 8	12°19	29°59	8°34	3°12	1°47	23°14	1°34	F 14	
S 15	9 38 58	26° 6'01	29°43	13°19	13°20	26°54	25°41	21° 4	12°19	0°2	8°35	3° 4	1°44	23°20	1°38	S 15	
S 16	9 42 55	27° 6'33	13°31	13°43	12°54	27°35	25°35	20°59	12°18	0° 4	8°35	2°55	1°40	23°27	1°42	S 16	
M17	9 46 51	28° 7'03	27°32	13°57	12°27	28°16	25°29	20°55	12°18	0° 6	8°36	2°45	1°37	23°34	1°46	M17	
T 18	9 50 48	29° 7'31	11°41	14°R 1	11°58	28°57	25°23	20°51	12°18	0° 8	8°36	2°37	1°34	23°40	1°50	T 18	
W19	9 54 45	0°37	7°58	25°55	13°54	11°27	29°38	25°16	20°47	12°D18	0°10	8°37	2°30	1°31	23°47	1°54	W19
T 20	9 58 41	1° 8'24	10°38	13°38	10°54	0°19	25°10	20°42	12°18	0°12	8°37	2°26	1°28	23°54	1°58	T 20	
F 21	10 2 38	2° 8'49	24°20	13°12	10°20	1° 0	25° 3	20°38	12°18	0°14	8°38	2°24	1°24	24° 0	2° 2	F 21	
S 22	10 6 34	3° 9'12	8°27	12°37	9°45	1°41	24°57	20°34	12°18	0°16	8°39	2°D24	1°21	24° 7	2° 6	S 22	
S 23	10 10 31	4° 9'34	22°28	11°54	9° 9	2°22	24°50	20°29	12°19	0°18	8°39	2°24	1°18	24°14	2°11	S 23	
M24	10 14 27	5° 9'54	6°22	11° 4	8°32	3° 3	24°43	20°25	12°19	0°20	8°40	2°R25	1°15	24°20	2°15	M24	
T 25	10 18 24	6°10'14	20°10	10° 9	7°55	3°44	24°36	20°20	12°19	0°22	8°41	2°23	1°12	24°27	2°19	T 25	
W26	10 22 20	7°10'31	3°50	9° 9	7°17	4°25	24°29	20°16	12°20	0°24	8°41	2°19	1° 9	24°34	2°23	W26	
T 27	10 26 17	8°10'47	17°21	8° 7	6°40	5° 6	24°22	20°11	12°20	0°27	8°42	2°13	1° 5	24°40	2°27	T 27	
F 28	10 30 14	9°11'01	0°40	7°3	6°32	5°47	24°14	20°7	12°20	0°29	8°43	2°3	1°32	24°47	2°31	F 28	

Day	☉	☽		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17s14	5s16	4n33	14s 7	1s13	1s42	4n34	22s48	0n 4	2n35	1n26	5n16	2n14	22n20	0n 1	1s24	1s21	0s52	16s 2	23s24	23s26	21n28	6s 2	5n34			
S 2	16 56	0n 4	4 59	13 25	1 5	1 27	4 47	22 52	0 3	2 36	1 26	5 18	2 15	22 20	0 1	1 23	1 21	0 52	16 2	23 24	23 26	21 29	6 0	5 34			
M 3	16 39	5 15	5 10	12 41	0 55	1 12	5 0	22 57	0 2	2 38	1 26	5 19	2 15	22 19	0 1	1 22	1 21	0 52	16 1	23 25	23 26	21 30	5 59	5 33			
T 4	16 21	10 6	5 5	11 58	0 45	0 58	5 14	23 1	0 1	2 40	1 27	5 21	2 15	22 19	0 1	1 22	1 21	0 51	16 1	23 25	23 26	21 31	5 58	5 33			
W 5	16 3	14 27	4 46	11 14	0 34	0 45	5 27	23 5	0 0	2 42	1 27	5 22	2 15	22 19	0 1	1 21	1 21	0 51	16 1	23 25	23 26	21 32	5 57	5 33			
T 6	15 45	18 10	4 16	10 30	0 22	0 33	5 40	23 9	0s 0	2 44	1 27	5 24	2 15	22 19	0 1	1 20	1 21	0 50	16 0	23 25	23 26	21 34	5 55	5 33			
F 7	15 27	21 7	3 34	9 46	0 10	0 22	5 54	23 12	0 1	2 46	1 27	5 25	2 16	22 19	0 1	1 19	1 21	0 50	16 0	23 25	23 26	21 35	5 54	5 33			
S 8	15 8	23 10	2 44	9 3	0n 3	0 12	6 7	23 15	0 2	2 48	1 28	5 27	2 16	22 19	0 1	1 19	1 21	0 49	16 0	23 25	23 26	21 36	5 53	5 33			
S 9	14 49	24 11	1 46	8 21	0 17	0 4	6 20	23 19	0 3	2 50	1 28	5 29	2 16	22 19	0 1	1 18	1 21	0 49	15 59	23 25	23 26	21 37	5 51	5 33			
M10	14 30	24 6	0 43	7 41	0 32	0n 4	6 33	23 22	0 4	2 53	1 28	5 30	2 16	22 19	0 1	1 17	1 21	0 49	15 59	23 25	23 27	21 38	5 50	5 33			
T 11	14 10	22 51	0s23	7 2	0 47	0 11	6 45	23 24	0 5	2 55	1 28	5 32	2 16	22 19	0 1	1 16	1 21	0 48	15 59	23 25	23 27	21 39	5 49	5 32			
W12	13 50	20 28	1 29	6 25	1 2	0 16	6 57	23 27	0 5	2 57	1 28	5 34	2 17	22 19	0 1	1 16	1 21	0 48	15 58	23 25	23 27	21 40	5 48	5 32			
T 13	13 30	17 1	2 33	5 51	1 18	0 20	7 9	23 29	0 6	3 0	1 29	5 35	2 17	22 19	0 1	1 15	1 21	0 47	15 58	23 25	23 27	21 41	5 46	5 32			
F 14	13 10	12 39	3 29	5 20	1 34	0 23	7 21	23 31	0 7	3 2	1 29	5 37	2 17	22 19	0 1	1 14	1 21	0 47	15 58	23 25	23 27	21 42	5 45	5 32			
S 15	12 50	7 35	4 16	4 53	1 50	0 24	7 32	23 33	0 8	3 5	1 29	5 39	2 17	22 19	0 1	1 13	1 21	0 46	15 57	23 25	23 27	21 43	5 44	5 32			
S 16	12 29	2 3	4 48	4 29	2 5	0 24	7 42	23 35	0 9	3 7	1 29	5 41	2 17	22 19	0 2	1 12	1 21	0 46	15 57	23 26	23 27	21 44	5 42	5 32			
M17	12 8	3s40	5 4	4 9	2 21	0 23	7 52	23 37	0 10	3 10	1 29	5 42	2 17	22 19	0 2	1 12	1 21	0 45	15 57	23 26	23 27	21 45	5 41	5 32			
T 18	11 47	9 15	5 1	3 54	2 35	0 21	8 2	23 38	0 11	3 13	1 30	5 44	2 18	22 19	0 2	1 11	1 21	0 45	15 56	23 26	23 27	21 46	5 39	5 32			
W19	11 26	14 22	4 40	3 44	2 49	0 17	8 10	23 39	0 12	3 15	1 30	5 46	2 18	22 19	0 2	1 10	1 21	0 44	15 56	23 26	23 27	21 47	5 38	5 32			
T 20	11 5	18 42	4 2	3 38	3 2	0 12	8 18	23 40	0 13	3 18	1 30	5 48	2 18	22 19	0 2	1 9	1 21	0 44	15 56	23 26	23 27	21 48	5 37	5 32			
F 21	10 43	21 55	3 9	3 38	3 13	0 6	8 25	23 41	0 14	3 21	1 30	5 50	2 18	22 19	0 2	1 8	1 21	0 43	15 55	23 26	23 27	21 49	5 35	5 32			
S 22	10 21	23 47	2 4	3 42	3 23	0s 1	8 31	23 41	0 14	3 24	1 30	5 52	2 18	22 19	0 2	1 8	1 21	0 43	15 55	23 26	23 27	21 50	5 34	5 32			
S 23	10 0	24 7	0 53	3 51	3 31	0 10	8 36	23 42	0 15	3 26	1 31	5 53	2 18	22 19	0 2	1 7	1 21	0 42	15 55	23 26	23 27	21 51	5 33	5 32			
M24	9 37	22 57	0n21	4 4	3 37	0 19	8 41	23 42	0 16	3 29	1 31	5 55	2 19	22 19	0 2	1 6	1 21	0 42	15 54	23 26	23 27	21 52	5 31	5 32			
T 25	9 15	20 24	1 33	4 21	3 41	0 30	8 44	23 42	0 17	3 32	1 31	5 57	2 19	22 19	0 2	1 5	1 21	0 41	15 54	23 26	23 27	21 53	5 30	5 32			
W26	8 53	16 44	2 39	4 42	3 43	0 41	8 46	23 41	0 18	3 35	1 31	5 59	2 19	22 19	0 2	1 4	1 21	0 41	15 54	23 26	23 27	21 54	5 28	5 32			
T 27	8 31	12 14	3 35	5 5	3 43	0 54	8 48	23 41	0 19	3 38	1 31	6 1	2 19	22 19	0 2	1 3	1 21	0 40	15 53	23 26	23 27	21 55	5 27	5 32			
F 28	8s 8	7s13	4n18	5s31	3n40	1s 7	8n48	23s40	0s20	3n41	1n31	6n 3	2n19	22n19	0n 2	1s 2	1s21	0s40	15s53	23s26	23s27	21n56	5s25	5n32			

Julian Day Number = 2401172.5, Delta T = 8.97 sec

Ecliptic obliquity = 23°27'26, Nutation = 0°00'19, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°48'52, Lahiri = 21°55'52

ASTRODIENST EPHEMERIS for the year 1862  
geocentric

MARCH 1862

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 34 10	10♈11'14	13♈47	6°R 0	5°R26	6♈28	24°R 7	20°R 2	12♈21	0°Y31	8♈44	1°R52	0♈59	24♈54	2♈35	S 1
S 2	10 38 7	11°11'24	26°39	4♈59	4♈50	7°10	24♈0	19♈57	12°21	0°33	8°45	1♈39	0°56	25° 0	2°39	S 2
M 3	10 42 3	12°11'33	9°Y15	4° 1	4°15	7°51	23°52	19°53	12°22	0°35	8°45	1°27	0°53	25° 7	2°43	M 3
T 4	10 46 0	13°11'39	21°37	3° 7	3°42	8°32	23°45	19°48	12°23	0°37	8°46	1°15	0°50	25°14	2°47	T 4
W 5	10 49 56	14°11'44	3♈45	2°19	3° 9	9°13	23°37	19°43	12°23	0°40	8°47	1° 6	0°46	25°20	2°51	W 5
T 6	10 53 53	15°11'47	15°42	1°36	2°39	9°54	23°29	19°38	12°24	0°42	8°48	1° 0	0°43	25°27	2°55	T 6
F 7	10 57 49	16°11'47	27°33	0°59	2°10	10°35	23°22	19°34	12°25	0°44	8°49	0°56	0°40	25°34	2°59	F 7
S 8	11 1 46	17°11'46	9♈21	0°29	1°43	11°16	23°14	19°29	12°26	0°46	8°50	0°55	0°37	25°40	3° 3	S 8
S 9	11 5 43	18°11'42	21°13	0° 5	1°19	11°58	23° 6	19°24	12°27	0°48	8°51	0°D54	0°34	25°47	3° 7	S 9
M10	11 9 39	19°11'36	3♈13	29♈48	0°56	12°39	22°59	19°19	12°28	0°51	8°52	0°R54	0°30	25°54	3°11	M10
T 11	11 13 36	20°11'28	15°27	29°37	0°36	13°20	22°51	19°15	12°29	0°53	8°52	0°54	0°27	26° 0	3°15	T 11
W12	11 17 32	21°11'17	28° 0	29°D33	0°18	14° 1	22°43	19°10	12°30	0°55	8°53	0°51	0°24	26° 7	3°19	W12
T 13	11 21 29	22°11'05	10♈57	29°35	0° 2	14°42	22°35	19° 5	12°31	0°57	8°54	0°46	0°21	26°14	3°23	T 13
F 14	11 25 25	23°10'50	24°18	29°43	29♈49	15°23	22°27	19° 0	12°32	1° 0	8°55	0°38	0°18	26°20	3°27	F 14
S 15	11 29 22	24°10'33	8♈5	29°57	29°38	16° 5	22°20	18°56	12°34	1° 2	8°56	0°28	0°15	26°27	3°30	S 15
S 16	11 33 18	25°10'14	22°14	0♈15	29°30	16°46	22°12	18°51	12°35	1° 4	8°57	0°16	0°11	26°34	3°34	S 16
M17	11 37 15	26° 9'53	6♈41	0°39	29°25	17°27	22° 4	18°46	12°36	1° 6	8°58	0° 4	0° 8	26°40	3°38	M17
T 18	11 41 12	27° 9'30	21°18	1° 8	29°21	18° 8	21°56	18°41	12°38	1° 9	8°59	29♈53	0° 5	26°47	3°42	T 18
W19	11 45 8	28° 9'05	5♈59	1°41	29°D21	18°50	21°49	18°37	12°39	1°11	9° 1	29°44	0° 2	26°54	3°46	W19
T 20	11 49 5	29° 8'18	20°36	2°19	29°22	19°31	21°41	18°32	12°40	1°13	9° 2	29°38	29♈59	27° 0	3°50	T 20
F 21	11 53 1	0°Y 8'10	5♈3	3° 0	29°26	20°12	21°33	18°28	12°42	1°15	9° 3	29°34	29°56	27° 7	3°53	F 21
S 22	11 56 58	1° 7'40	19°17	3°45	29°33	20°53	21°26	18°23	12°44	1°18	9° 4	29°33	29°52	27°14	3°57	S 22
S 23	12 0 54	2° 7'08	3♈17	4°34	29°41	21°35	21°18	18°18	12°45	1°20	9° 5	29°33	29°49	27°20	4° 1	S 23
M24	12 4 51	3° 6'35	17° 3	5°25	29°52	22°16	21°11	18°14	12°47	1°22	9° 6	29°33	29°46	27°27	4° 4	M24
T 25	12 8 47	4° 5'59	0♈35	6°20	0♈5	22°57	21° 3	18° 9	12°49	1°25	9° 7	29°31	29°43	27°34	4° 8	T 25
W26	12 12 44	5° 5'22	13°55	7°18	0°20	23°38	20°56	18° 5	12°50	1°27	9° 8	29°27	29°40	27°40	4°12	W26
T 27	12 16 41	6° 4'43	27° 3	8°19	0°37	24°20	20°48	18° 0	12°52	1°29	9°10	29°19	29°36	27°47	4°15	T 27
F 28	12 20 37	7° 4'02	10♈0	9°22	0°56	25° 1	20°41	17°56	12°54	1°31	9°11	29° 9	29°33	27°54	4°19	F 28
S 29	12 24 34	8° 3'20	22°46	10°28	1°17	25°42	20°34	17°52	12°56	1°34	9°12	28°57	29°30	28° 0	4°22	S 29
S 30	12 28 30	9° 2'35	5°Y20	11°36	1°39	26°23	20°27	17°47	12°58	1°36	9°13	28°43	29°27	28° 7	4°26	S 30
M31	12 32 27	10°Y 1'48	17°Y43	12♈47	2♈4	27♈5	20♈20	17♈43	13♈0	1°Y38	9♈14	28♈30	29♈24	28♈14	4♈29	M31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	7s45	1s58	4n47	5s58	3n36	1s20	8n47	23s39	0s21	3n44	1n31	6n 5	2n19	22n19	0n 2	1s 2
S 2	7 22	3n16	5 1	6 27	3 29	1 35	8 46	23 38	0 22	3 47	1 31	6 7	2 19	22 19	0 2	1 1
M 3	7 0	8 15	4 59	6 55	3 21	1 49	8 43	23 37	0 23	3 50	1 32	6 9	2 19	22 19	0 2	1 0
T 4	6 37	12 48	4 43	7 24	3 11	2 4	8 40	23 35	0 24	3 53	1 32	6 11	2 19	22 19	0 2	0 59
W 5	6 13	16 46	4 15	7 52	3 0	2 20	8 36	23 33	0 25	3 56	1 32	6 13	2 20	22 19	0 2	0 58
T 6	5 50	19 59	3 36	8 18	2 48	2 35	8 30	23 31	0 26	4 0	1 32	6 15	2 20	22 20	0 2	0 57
F 7	5 27	22 20	2 47	8 44	2 34	2 51	8 25	23 29	0 27	4 3	1 32	6 17	2 20	22 20	0 2	0 56
S 8	5 4	23 43	1 52	9 7	2 21	3 6	8 18	23 27	0 28	4 6	1 32	6 19	2 20	22 20	0 2	0 55
S 9	4 40	24 1	0 51	9 29	2 7	3 22	8 11	23 24	0 29	4 9	1 32	6 20	2 20	22 20	0 2	0 55
M10	4 17	23 13	0s12	9 48	1 52	3 37	8 3	23 22	0 31	4 12	1 32	6 22	2 20	22 20	0 2	0 54
T 11	3 53	21 18	1 16	10 5	1 38	3 52	7 54	23 19	0 32	4 15	1 32	6 24	2 20	22 20	0 2	0 53
W12	3 30	18 19	2 18	10 20	1 23	4 7	7 45	23 16	0 33	4 18	1 32	6 26	2 20	22 20	0 2	0 52
T 13	3 6	14 22	3 15	10 33	1 9	4 21	7 35	23 12	0 34	4 21	1 32	6 28	2 20	22 21	0 2	0 51
F 14	2 43	9 37	4 3	10 43	0 55	4 35	7 26	23 9	0 35	4 25	1 32	6 30	2 20	22 21	0 2	0 50
S 15	2 19	4 15	4 38	10 52	0 41	4 48	7 15	23 5	0 36	4 28	1 32	6 32	2 20	22 21	0 2	0 49
S 16	1 55	1s28	4 57	10 58	0 28	5 1	7 5	23 1	0 37	4 31	1 32	6 34	2 20	22 21	0 2	0 48
M17	1 32	7 13	4 58	11 1	0 14	5 13	6 54	22 57	0 38	4 34	1 32	6 36	2 20	22 21	0 2	0 47
T 18	1 8	12 38	4 40	11 3	0 2	5 25	6 43	22 53	0 39	4 37	1 32	6 38	2 20	22 21	0 2	0 46
W19	0 44	17 21	4 3	11 3	0s11	5 35	6 31	22 48	0 40	4 40	1 32	6 39	2 20	22 22	0 2	0 46
T 20	0 20	20 58	3 10	11 0	0 22	5 46	6 20	22 43	0 42	4 43	1 32	6 41	2 20	22 22	0 2	0 45
F 21	0n 3	23 13	2 6	10 56	0 34	5 55	6 8	22 38	0 43	4 46	1 32	6 43	2 20	22 22	0 2	0 44
S 22	0 27	23 55	0 54	10 50	0 44	6 4	5 57	22 33	0 44	4 49	1 32	6 45	2 20	22 22	0 2	0 43
S 23	0 51	23 5	0n20	10 42	0 55	6 12	5 45	22 28	0 45	4 52	1 32	6 47	2 20	22 22	0 2	0 42
M24	1 14	20 52	1 31	10 32	1 5	6 19	5 34	22 23	0 46	4 55	1 32	6 48	2 20	22 23	0 2	0 41
T 25	1 38	17 30	2 36	10 20	1 14	6 25	5 22	22 17	0 47	4 58	1 32	6 50	2 20	22 23	0 2	0 40
W26	2 1	13 17	3 31	10 7	1 23	6 31	5 10	22 11	0 49	5 1	1 32	6 52	2 20	22 23	0 2	0 39
T 27	2 25	8 31	4 15	9 52	1 31	6 36	4 59	22 5	0 50	5 4	1 32	6 54	2 20	22 23	0 2	0 38
F 28	2 48	3 26	4 44	9 35	1 39	6 40	4 47	21 59	0 51	5 6	1 32	6 55	2 20	22 24	0 2	0 38
S 29	3 12	1n42	4 59	9 17	1 46	6 44	4 36	21 53	0 52	5 9	1 32	6 57	2 20	22 24	0 2	0 37
S 30	3 35	6 41	4 58	8 57	1 52	6 46	4 24	21 46	0 54	5 12	1 32	6 59	2 20	22 24	0 2	0 36
M31	3n59	11n20	4n44	8s36	1s59	6s48	4n13	21s39	0s55	5n15	1n32	7n 0	2n20	22n24	0n 2	0s35

Julian Day Number = 2401200.5, Delta T = 8.97 sec  
Ecliptic obliquity = 23°27'27", Nutation = 0°00'18", out-of-bounds declination in red  
Ayanamsha: Fagan/Bradley = 22°48'56", Lahiri = 21°55'56"



ASTRODIENST EPHEMERIS for the year 1862  
geocentric

MAY 1862

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	14 34 40	10 <sup>8</sup> 20'34	2 <sup>II</sup> 23	3 <sup>8</sup> 54	24 <sup>✕</sup> 25	18 <sup>≈</sup> 18	17 <sup>°</sup> R46	16 <sup>°</sup> R 7	14 <sup>II</sup> 20	2 <sup>Y</sup> 44	9 <sup>8</sup> 55	25 <sup>°</sup> R50	27 <sup>°</sup> 45	1 <sup>II</sup> 40	5 <sup>✕</sup> 59	T 1
F 2	14 38 36	11 <sup>°</sup> 18'45	14 <sup>°</sup> 10	5 <sup>°</sup> 59	25 <sup>°</sup> 21	18 <sup>°</sup> 59	17 <sup>°</sup> 44	16 <sup>°</sup> 5	14 <sup>°</sup> 23	2 <sup>°</sup> 45	9 <sup>°</sup> 56	25 <sup>°</sup> 47	27 <sup>°</sup> 42	1 <sup>°</sup> 47	6 <sup>°</sup> 1	F 2
S 3	14 42 33	12 <sup>°</sup> 16'55	25 <sup>°</sup> 58	8 <sup>°</sup> 5	26 <sup>°</sup> 17	19 <sup>°</sup> 39	17 <sup>°</sup> 42	16 <sup>°</sup> 3	14 <sup>°</sup> 26	2 <sup>°</sup> 47	9 <sup>°</sup> 58	25 <sup>°</sup> D46	27 <sup>°</sup> 39	1 <sup>°</sup> 54	6 <sup>°</sup> 3	S 3
S 4	14 46 30	13 <sup>°</sup> 15'02	7 <sup>°</sup> 49	10 <sup>°</sup> 13	27 <sup>°</sup> 13	20 <sup>°</sup> 20	17 <sup>°</sup> 40	16 <sup>°</sup> 2	14 <sup>°</sup> 29	2 <sup>°</sup> 49	9 <sup>°</sup> 59	25 <sup>°</sup> 47	27 <sup>°</sup> 36	2 <sup>°</sup> 0	6 <sup>°</sup> 6	S 4
M 5	14 50 26	14 <sup>°</sup> 13'08	19 <sup>°</sup> 48	12 <sup>°</sup> 21	28 <sup>°</sup> 10	21 <sup>°</sup> 0	17 <sup>°</sup> 38	16 <sup>°</sup> 1	14 <sup>°</sup> 33	2 <sup>°</sup> 51	10 <sup>°</sup> 0	25 <sup>°</sup> 48	27 <sup>°</sup> 33	2 <sup>°</sup> 7	6 <sup>°</sup> 8	M 5
T 6	14 54 23	15 <sup>°</sup> 11'12	2 <sup>°</sup> 0	14 <sup>°</sup> 31	29 <sup>°</sup> 8	21 <sup>°</sup> 41	17 <sup>°</sup> 36	15 <sup>°</sup> 59	14 <sup>°</sup> 36	2 <sup>°</sup> 53	10 <sup>°</sup> 2	25 <sup>°</sup> 50	27 <sup>°</sup> 29	2 <sup>°</sup> 14	6 <sup>°</sup> 10	T 6
W 7	14 58 19	16 <sup>°</sup> 9'14	14 <sup>°</sup> 29	16 <sup>°</sup> 41	0 <sup>Y</sup> 6	22 <sup>°</sup> 22	17 <sup>°</sup> 35	15 <sup>°</sup> 58	14 <sup>°</sup> 39	2 <sup>°</sup> 55	10 <sup>°</sup> 3	25 <sup>°</sup> R51	27 <sup>°</sup> 26	2 <sup>°</sup> 20	6 <sup>°</sup> 12	W 7
T 8	15 2 16	17 <sup>°</sup> 7'14	27 <sup>°</sup> 21	18 <sup>°</sup> 51	1 <sup>°</sup> 4	23 <sup>°</sup> 2	17 <sup>°</sup> 34	15 <sup>°</sup> 57	14 <sup>°</sup> 42	2 <sup>°</sup> 56	10 <sup>°</sup> 5	25 <sup>°</sup> 50	27 <sup>°</sup> 23	2 <sup>°</sup> 27	6 <sup>°</sup> 13	T 8
F 9	15 6 12	18 <sup>°</sup> 5'12	10 <sup>°</sup> 38	21 <sup>°</sup> 2	2 <sup>°</sup> 2	23 <sup>°</sup> 42	17 <sup>°</sup> 33	15 <sup>°</sup> 56	14 <sup>°</sup> 45	2 <sup>°</sup> 58	10 <sup>°</sup> 6	25 <sup>°</sup> 48	27 <sup>°</sup> 20	2 <sup>°</sup> 34	6 <sup>°</sup> 15	F 9
S 10	15 10 9	19 <sup>°</sup> 3'08	24 <sup>°</sup> 24	23 <sup>°</sup> 12	3 <sup>°</sup> 1	24 <sup>°</sup> 23	17 <sup>°</sup> 32	15 <sup>°</sup> 55	14 <sup>°</sup> 49	3 <sup>°</sup> 0	10 <sup>°</sup> 7	25 <sup>°</sup> 44	27 <sup>°</sup> 17	2 <sup>°</sup> 40	6 <sup>°</sup> 17	S 10
S 11	15 14 5	20 <sup>°</sup> 1'02	8 <sup>°</sup> 39	25 <sup>°</sup> 22	4 <sup>°</sup> 1	25 <sup>°</sup> 3	17 <sup>°</sup> 31	15 <sup>°</sup> 54	14 <sup>°</sup> 52	3 <sup>°</sup> 2	10 <sup>°</sup> 9	25 <sup>°</sup> 40	27 <sup>°</sup> 13	2 <sup>°</sup> 47	6 <sup>°</sup> 19	S 11
M 12	15 18 2	20 <sup>°</sup> 58'55	23 <sup>°</sup> 19	27 <sup>°</sup> 32	5 <sup>°</sup> 0	25 <sup>°</sup> 43	17 <sup>°</sup> 30	15 <sup>°</sup> 53	14 <sup>°</sup> 55	3 <sup>°</sup> 3	10 <sup>°</sup> 10	25 <sup>°</sup> 35	27 <sup>°</sup> 10	2 <sup>°</sup> 53	6 <sup>°</sup> 20	M 12
T 13	15 21 59	21 <sup>°</sup> 56'46	8 <sup>°</sup> 19	29 <sup>°</sup> 40	6 <sup>°</sup> 0	26 <sup>°</sup> 24	17 <sup>°</sup> 30	15 <sup>°</sup> 53	14 <sup>°</sup> 59	3 <sup>°</sup> 5	10 <sup>°</sup> 11	25 <sup>°</sup> 30	27 <sup>°</sup> 7	3 <sup>°</sup> 0	6 <sup>°</sup> 22	T 13
W 14	15 25 55	22 <sup>°</sup> 54'35	23 <sup>°</sup> 30	1 <sup>II</sup> 48	7 <sup>°</sup> 1	27 <sup>°</sup> 4	17 <sup>°</sup> 30	15 <sup>°</sup> 52	15 <sup>°</sup> 2	3 <sup>°</sup> 6	10 <sup>°</sup> 13	25 <sup>°</sup> 26	27 <sup>°</sup> 4	3 <sup>°</sup> 7	6 <sup>°</sup> 24	W 14
T 15	15 29 52	23 <sup>°</sup> 52'23	8 <sup>°</sup> 43	3 <sup>°</sup> 53	8 <sup>°</sup> 1	27 <sup>°</sup> 44	17 <sup>°</sup> D30	15 <sup>°</sup> 52	15 <sup>°</sup> 5	3 <sup>°</sup> 8	10 <sup>°</sup> 14	25 <sup>°</sup> 24	27 <sup>°</sup> 1	3 <sup>°</sup> 13	6 <sup>°</sup> 25	T 15
F 16	15 33 48	24 <sup>°</sup> 50'10	23 <sup>°</sup> 48	5 <sup>°</sup> 57	9 <sup>°</sup> 2	28 <sup>°</sup> 24	17 <sup>°</sup> 30	15 <sup>°</sup> 52	15 <sup>°</sup> 9	3 <sup>°</sup> 10	10 <sup>°</sup> 15	25 <sup>°</sup> D23	26 <sup>°</sup> 58	3 <sup>°</sup> 20	6 <sup>°</sup> 27	F 16
S 17	15 37 45	25 <sup>°</sup> 47'56	8 <sup>°</sup> 36	7 <sup>°</sup> 59	10 <sup>°</sup> 4	29 <sup>°</sup> 4	17 <sup>°</sup> 30	15 <sup>°</sup> 51	15 <sup>°</sup> 12	3 <sup>°</sup> 11	10 <sup>°</sup> 17	25 <sup>°</sup> 23	26 <sup>°</sup> 54	3 <sup>°</sup> 27	6 <sup>°</sup> 28	S 17
S 18	15 41 41	26 <sup>°</sup> 45'40	23 <sup>°</sup> 2	9 <sup>°</sup> 59	11 <sup>°</sup> 5	29 <sup>°</sup> 44	17 <sup>°</sup> 31	15 <sup>°</sup> D51	15 <sup>°</sup> 15	3 <sup>°</sup> 13	10 <sup>°</sup> 18	25 <sup>°</sup> 25	26 <sup>°</sup> 51	3 <sup>°</sup> 33	6 <sup>°</sup> 29	S 18
M 19	15 45 38	27 <sup>°</sup> 43'23	7 <sup>°</sup> ≈ 3	11 <sup>°</sup> 56	12 <sup>°</sup> 7	0 <sup>✕</sup> 24	17 <sup>°</sup> 31	15 <sup>°</sup> 51	15 <sup>°</sup> 19	3 <sup>°</sup> 14	10 <sup>°</sup> 19	25 <sup>°</sup> 26	26 <sup>°</sup> 48	3 <sup>°</sup> 40	6 <sup>°</sup> 31	M 19
T 20	15 49 34	28 <sup>°</sup> 41'05	20 <sup>°</sup> 40	13 <sup>°</sup> 51	13 <sup>°</sup> 9	1 <sup>°</sup> 4	17 <sup>°</sup> 32	15 <sup>°</sup> 51	15 <sup>°</sup> 22	3 <sup>°</sup> 16	10 <sup>°</sup> 21	25 <sup>°</sup> 27	26 <sup>°</sup> 45	3 <sup>°</sup> 47	6 <sup>°</sup> 32	T 20
W 21	15 53 31	29 <sup>°</sup> 38'46	3 <sup>✕</sup> 52	15 <sup>°</sup> 44	14 <sup>°</sup> 12	1 <sup>°</sup> 44	17 <sup>°</sup> 33	15 <sup>°</sup> 52	15 <sup>°</sup> 26	3 <sup>°</sup> 17	10 <sup>°</sup> 22	25 <sup>°</sup> R27	26 <sup>°</sup> 42	3 <sup>°</sup> 53	6 <sup>°</sup> 33	W 21
T 22	15 57 28	0 <sup>II</sup> 36'26	16 <sup>°</sup> 44	17 <sup>°</sup> 33	15 <sup>°</sup> 14	2 <sup>°</sup> 23	17 <sup>°</sup> 35	15 <sup>°</sup> 52	15 <sup>°</sup> 29	3 <sup>°</sup> 19	10 <sup>°</sup> 23	25 <sup>°</sup> 26	26 <sup>°</sup> 39	4 <sup>°</sup> 0	6 <sup>°</sup> 34	T 22
F 23	16 1 24	1 <sup>°</sup> 34'05	29 <sup>°</sup> 17	19 <sup>°</sup> 20	16 <sup>°</sup> 17	3 <sup>°</sup> 3	17 <sup>°</sup> 36	15 <sup>°</sup> 52	15 <sup>°</sup> 33	3 <sup>°</sup> 20	10 <sup>°</sup> 24	25 <sup>°</sup> 24	26 <sup>°</sup> 35	4 <sup>°</sup> 7	6 <sup>°</sup> 35	F 23
S 24	16 5 21	2 <sup>°</sup> 31'43	11 <sup>°</sup> Y36	21 <sup>°</sup> 4	17 <sup>°</sup> 20	3 <sup>°</sup> 42	17 <sup>°</sup> 38	15 <sup>°</sup> 53	15 <sup>°</sup> 36	3 <sup>°</sup> 21	10 <sup>°</sup> 26	25 <sup>°</sup> 21	26 <sup>°</sup> 32	4 <sup>°</sup> 13	6 <sup>°</sup> 36	S 24
S 25	16 9 17	3 <sup>°</sup> 29'20	23 <sup>°</sup> 43	22 <sup>°</sup> 45	18 <sup>°</sup> 24	4 <sup>°</sup> 22	17 <sup>°</sup> 39	15 <sup>°</sup> 53	15 <sup>°</sup> 40	3 <sup>°</sup> 23	10 <sup>°</sup> 27	25 <sup>°</sup> 18	26 <sup>°</sup> 29	4 <sup>°</sup> 20	6 <sup>°</sup> 37	S 25
M 26	16 13 14	4 <sup>°</sup> 26'56	5 <sup>°</sup> 42	24 <sup>°</sup> 23	19 <sup>°</sup> 27	5 <sup>°</sup> 1	17 <sup>°</sup> 41	15 <sup>°</sup> 54	15 <sup>°</sup> 43	3 <sup>°</sup> 24	10 <sup>°</sup> 28	25 <sup>°</sup> 15	26 <sup>°</sup> 26	4 <sup>°</sup> 27	6 <sup>°</sup> 38	M 26
T 27	16 17 10	5 <sup>°</sup> 24'31	17 <sup>°</sup> 35	25 <sup>°</sup> 58	20 <sup>°</sup> 31	5 <sup>°</sup> 41	17 <sup>°</sup> 43	15 <sup>°</sup> 55	15 <sup>°</sup> 47	3 <sup>°</sup> 25	10 <sup>°</sup> 29	25 <sup>°</sup> 11	26 <sup>°</sup> 23	4 <sup>°</sup> 33	6 <sup>°</sup> 39	T 27
W 28	16 21 7	6 <sup>°</sup> 22'05	29 <sup>°</sup> 24	27 <sup>°</sup> 30	21 <sup>°</sup> 35	6 <sup>°</sup> 20	17 <sup>°</sup> 46	15 <sup>°</sup> 56	15 <sup>°</sup> 50	3 <sup>°</sup> 27	10 <sup>°</sup> 31	25 <sup>°</sup> 9	26 <sup>°</sup> 19	4 <sup>°</sup> 40	6 <sup>°</sup> 40	W 28
T 29	16 25 3	7 <sup>°</sup> 19'38	11 <sup>II</sup> 12	28 <sup>°</sup> 58	22 <sup>°</sup> 40	6 <sup>°</sup> 59	17 <sup>°</sup> 48	15 <sup>°</sup> 57	15 <sup>°</sup> 54	3 <sup>°</sup> 28	10 <sup>°</sup> 32	25 <sup>°</sup> 8	26 <sup>°</sup> 16	4 <sup>°</sup> 47	6 <sup>°</sup> 41	T 29
F 30	16 29 0	8 <sup>°</sup> 17'10	23 <sup>°</sup> 0	0 <sup>°</sup> 24	23 <sup>°</sup> 44	7 <sup>°</sup> 38	17 <sup>°</sup> 51	15 <sup>°</sup> 58	15 <sup>°</sup> 57	3 <sup>°</sup> 29	10 <sup>°</sup> 33	25 <sup>°</sup> D 7	26 <sup>°</sup> 13	4 <sup>°</sup> 53	6 <sup>°</sup> 41	F 30
S 31	16 32 57	9 <sup>II</sup> 14'41	4 <sup>°</sup> 51	1 <sup>°</sup> 47	24 <sup>°</sup> Y49	8 <sup>✕</sup> 17	17 <sup>°</sup> 54	15 <sup>°</sup> 59	16 <sup>II</sup> 1	3 <sup>Y</sup> 30	10 <sup>°</sup> 34	25 <sup>°</sup> 7	26 <sup>°</sup> 10	5 <sup>II</sup> 0	6 <sup>✕</sup> 42	S 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
T 1	14n56	22n40	2n 3	11n55	0s58	2s30	0s18	16s54	1s38	6n11	1n28	7n35	2n17	22n34	0n 2	0s 9	1s21	0s 8	15s42	23s23	23s26	22n44	4s 3	5n40
F 2	15 14	23 33	1 3	12 46	0 48	2 13	0 24	16 43	1 39	6 11	1 27	7 35	2 17	22 35	0 2	0 9	1 21	0 8	15 42	23 23	23 26	22 44	4 2	5 40
S 3	15 32	23 23	0s 1	13 36	0 38	1 56	0 30	16 32	1 41	6 12	1 27	7 36	2 16	22 35	0 2	0 8	1 21	0 8	15 42	23 23	23 26	22 45	4 1	5 40
S 4	15 50	22 9	1 5	14 27	0 28	1 39	0 36	16 20	1 42	6 13	1 27	7 36	2 16	22 35	0 2	0 7	1 21	0 7	15 42	23 23	23 26	22 46	4 0	5 40
M 5	16 7	19 54	2 7	15 16	0 18	1 21	0 41	16 9	1 44	6 13	1 27	7 37	2 16	22 36	0 2	0 7	1 21	0 7	15 42	23 23	23 26	22 46	3 59	5 41
T 6	16 24	16 44	3 4	16 5	0 8	1 3	0 47	15 57	1 45	6 14	1 27	7 37	2 16	22 36	0 2	0 6	1 21	0 6	15 42	23 23	23 26	22 47	3 58	5 41
W 7	16 41	12 45	3 54	16 53	0n 3	0 45	0 52	15 45	1 47	6 14	1 26	7 37	2 16	22 37	0 2	0 5	1 22	0 6	15 42	23 24	23 26	22 47	3 57	5 41
T 8	16 58	8 6	4 34	17 40	0 13	0 27	0 57	15 33	1 48	6 14	1 26	7 38	2 16	22 37	0 2	0 5	1 22	0 6	15 42	23 23	23 26	22 48	3 56	5 41
F 9	17 14	2 56	5 1	18 25	0 24	0 8	1 2	15 21	1 50	6 15	1 26	7 38	2 15	22 37	0 2	0 4	1 22	0 5	15 42	23 23	23 26	22 48	3 56	5 42
S 10	17 30	2s33	5 12	19 9	0 34	0n11	1 6	15 9	1 51	6 15	1 26	7 38	2 15	22 38	0 2	0 3	1 22	0 5	15 42	23 23	23 26	22 49	3 55	5 42
S 11	17 46	8 5	5 4	19 51	0 45	0 30	1 11	14 57	1 53	6 15	1 25	7 38	2 15	22 38	0 2	0 3	1 22	0 4	15 42	23 23	23 26	22 49	3 54	5 42
M12	18 1	13 20	4 36	20 31	0 55	0 50	1 16	14 45	1 55	6 15	1 25	7 38	2 15	22 38	0 2	0 2	1 22	0 4	15 42	23 23	23 26	22 50	3 53	5 43
T 13	18 16	17 54	3 49	21 8	1 4	1 10	1 20	14 33	1 56	6 15	1 25	7 38	2 15	22 39	0 2	0 1	1 22	0 4	15 43	23 23	23 26	22 50	3 52	5 43
W14	18 31	21 20	2 46	21 44	1 13	1 30	1 24	14 21	1 58	6 15	1 25	7 38	2 14	22 39	0 2	0 1	1 22	0 3	15 43	23 23	23 25	22 51	3 51	5 43
T 15	18 45	23 15	1 30	22 17	1 22	1 50	1 28	14 8	1 59	6 15	1 25	7 38	2 14	22 40	0 2	0 0	1 22	0 3	15 43	23 23	23 25	22 51	3 50	5 43
F 16	18 59	23 27	0 9	22 48	1 30	2 11	1 32	13 56	2 1	6 14	1 24	7 38	2 14	22 40	0 2	0n 0	1 22	0 3	15 43	23 23	23 25	22 52	3 50	5 44
S 17	19 13	21 59	1n12	23 16	1 38	2 31	1 35	13 43	2 3	6 14	1 24	7 38	2 14	22 40	0 2	0 1	1 22	0 2	15 43	23 23	23 25	22 52	3 49	5 44
S 18	19 27	19 5	2 26	23 42	1 45	2 52	1 39	13 31	2 4	6 14	1 24	7 38	2 14	22 41	0 2	0 1	1 22	0 2	15 43	23 23	23 25	22 53	3 48	5 44
M19	19 40	15 9	3 29	24 4	1 51	3 13	1 42	13 18	2 6	6 13	1 24	7 38	2 14	22 41	0 2	0 2	1 22	0 2	15 43	23 23	23 25	22 53	3 47	5 45
T 20	19 53	10 32	4 19	24 25	1 57	3 35	1 46	13 5	2 7	6 13	1 23	7 38	2 13	22 41	0 2	0 3	1 22	0 1	15 43	23 23	23 25	22 54	3 47	5 45
W21	20 5	5 33	4 53	24 42	2 52	3 56	1 49	12 53	2 9	6 12	1 23	7 38	2 13	22 42	0 2	0 3	1 22	0 1	15 43	23 23	23 25	22 54	3 46	5 45
T 22	20 18	0 28	5 11	24 58	2 6	4 17	1 52	12 40	2 11	6 11	1 23	7 37	2 13	22 42	0 2	0 4	1 22	0 1	15 43	23 23	23 25	22 55	3 45	5 45
F 23	20 29	4n31	5 14	25 10	2 9	4 39	1 55	12 27	2 12	6 10	1 23	7 37	2 13	22 43	0 2	0 4	1 22	0 1	15 43	23 23	23 25	22 55	3 45	5 46
S 24	20 41	9 13	5 2	25 20	2 11	5 1	1 57	12 14	2 14	6 10	1 23	7 37	2 13	22 43	0 2	0 5	1 22	0 0	15 43	23 23	23 25	22 56	3 44	5 46
S 25	20 52	13 30	4 37	25 28	2 13	5 22	2 0	12 1	2 16	6 9	1 22	7 36	2 12	22 43	0 2	0 5	1 22	0 0	15 43	23 22	23 25	22 56	3 43	5 46
M26	21 3	17 12	4 0	25 34	2 14	5 44	2 2	11 48	2 17	6 8	1 22	7 36	2 12	22 44	0 2	0 6	1 22	0n 0	15 44	23 22	23 25	22 57	3 43	5 47
T 27	21 13	20 10	3 13	25 38	2 14	6 6	2 4	11 35	2 19	6 7	1 22	7 35	2 12	22 44	0 2	0 6	1 22	0 0	15 44	23 22	23 24	22 57	3 42	5 47
W28	21 23	22 16	2 17	25 39	2 13	6 28	2 7	11 22	2 21	6 6	1 22	7 35	2 12	22 45	0 2	0 7	1 22	0 1	15 44	23 22	23 24	22 57	3 42	5 47
T 29	21 33	23 24	1 16	25 39	2 12	6 50	2 9	11 9	2 22	6 4	1 21	7 34	2 12	22 45	0 2	0 7	1 22	0 1	15 44	23 22	23 24	22 58	3 41	5 47
F 30	21 42	23 28	0 12	25 37	2 9	7 12	2 10	10 56	2 24	6 3	1 21	7 34	2 12	22 45	0 2	0 7	1 23	0 1	15 44	23 22	23 24	22 58	3 40	5 48
S 31	21n51	22n28	0s54	25n33	2n 6	7n34	2s12	10s43	2s26	6n 2	1n21	7n33	2n11	22n46	0n 2	0n 8	1s23	0n 1	15s44	23s22	23s24	22n59	3s40	5n48



# ASTRODIENST EPHEMERIS for the year 1862

## geocentric

JUNE 1862

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 36 53	10 <sup>II</sup> 12'10	16 <sup>☾</sup> 47	3 <sup>☾</sup> 6	25 <sup>♂</sup> 53	8 <sup>♂</sup> 56	17 <sup>♂</sup> 57	16 <sup>♂</sup> 1	16 <sup>II</sup> 4	3 <sup>♂</sup> 31	10 <sup>♂</sup> 36	25 <sup>♂</sup> 8	26 <sup>♂</sup> 7	5 <sup>II</sup> 7	6 <sup>♂</sup> 42	S 1
M 2	16 40 50	11° 9'39	28°53	4°22	26°58	9°35	18° 0	16° 2	16° 8	3°33	10°37	25° 9	26° 4	5°13	6°43	M 2
T 3	16 44 46	12° 7'06	11 <sup>II</sup> 10	5°35	28° 4	10°13	18° 3	16° 4	16°11	3°34	10°38	25°10	26° 0	5°20	6°43	T 3
W 4	16 48 43	13° 4'32	23°42	6°44	29° 9	10°52	18° 7	16° 5	16°15	3°35	10°39	25°11	25°57	5°27	6°44	W 4
T 5	16 52 39	14° 1'57	6 <sup>♂</sup> 33	7°50	0 <sup>♂</sup> 14	11°30	18°10	16° 7	16°18	3°36	10°40	25°12	25°54	5°33	6°44	T 5
F 6	16 56 36	14°59'21	19°47	8°52	1°20	12° 8	18°14	16° 9	16°22	3°37	10°42	25°R12	25°51	5°40	6°44	F 6
S 7	17 0 32	15°56'43	3 <sup>♂</sup> 25	9°51	2°26	12°47	18°18	16°11	16°26	3°38	10°43	25°12	25°48	5°47	6°45	S 7
S 8	17 4 29	16°54'04	17°29	10°47	3°32	13°25	18°22	16°13	16°29	3°39	10°44	25°11	25°44	5°53	6°45	S 8
M 9	17 8 26	17°51'25	1 <sup>♂</sup> 57	11°38	4°38	14° 2	18°27	16°15	16°33	3°40	10°45	25°10	25°41	6° 0	6°45	M 9
T 10	17 12 22	18°48'44	16°46	12°26	5°44	14°40	18°31	16°17	16°36	3°41	10°46	25° 9	25°38	6° 7	6°45	T 10
W11	17 16 19	19°46'03	1 <sup>♂</sup> 50	13°10	6°50	15°18	18°36	16°20	16°40	3°41	10°47	25° 9	25°35	6°13	6°45	W11
T 12	17 20 15	20°43'21	17° 0	13°49	7°57	15°56	18°40	16°22	16°43	3°42	10°48	25° 9	25°32	6°20	6°45	T 12
F 13	17 24 12	21°40'38	2 <sup>♂</sup> 7	14°25	9° 4	16°33	18°45	16°25	16°47	3°43	10°49	25°D 9	25°29	6°26	6°45	F 13
S 14	17 28 8	22°37'55	17° 3	14°57	10°10	17°10	18°50	16°27	16°50	3°44	10°50	25° 9	25°25	6°33	6°44	S 14
S 15	17 32 5	23°35'11	1 <sup>♂</sup> 39	15°24	11°17	17°47	18°56	16°30	16°54	3°45	10°52	25° 9	25°22	6°40	6°44	S 15
M16	17 36 2	24°32'27	15°51	15°47	12°25	18°24	19° 1	16°33	16°58	3°45	10°53	25° 9	25°19	6°46	6°44	M16
T 17	17 39 58	25°29'42	29°37	16° 5	13°32	19° 1	19° 7	16°36	17° 1	3°46	10°54	25°R 9	25°16	6°53	6°43	T 17
W18	17 43 55	26°26'57	12 <sup>♂</sup> 56	16°19	14°39	19°38	19°12	16°39	17° 5	3°47	10°55	25° 9	25°13	7° 0	6°43	W18
T 19	17 47 51	27°24'12	25°50	16°29	15°47	20°15	19°18	16°42	17° 8	3°47	10°56	25°D 9	25°10	7° 6	6°42	T 19
F 20	17 51 48	28°21'27	8 <sup>♂</sup> 23	16°33	16°54	20°51	19°24	16°45	17°12	3°48	10°57	25° 9	25° 6	7°13	6°42	F 20
S 21	17 55 44	29°18'41	20°39	16°R34	18° 2	21°27	19°30	16°48	17°15	3°48	10°58	25° 9	25° 3	7°20	6°41	S 21
S 22	17 59 41	0 <sup>♂</sup> 15'56	2 <sup>♂</sup> 42	16°30	19°10	22° 3	19°36	16°51	17°19	3°49	10°59	25°10	25° 0	7°26	6°41	S 22
M23	18 3 37	1°13'10	14°36	16°21	20°18	22°39	19°43	16°55	17°22	3°49	11° 0	25°10	24°57	7°33	6°40	M23
T 24	18 7 34	2°10'24	26°24	16° 8	21°26	23°15	19°49	16°58	17°26	3°50	11° 0	25°11	24°54	7°40	6°39	T 24
W25	18 11 31	3° 7'39	8 <sup>II</sup> 12	15°51	22°34	23°50	19°56	17° 2	17°29	3°50	11° 1	25°12	24°50	7°46	6°38	W25
T 26	18 15 27	4° 4'53	20° 0	15°30	23°42	24°25	20° 3	17° 6	17°32	3°51	11° 2	25°R12	24°47	7°53	6°37	T 26
F 27	18 19 24	5° 2'07	1 <sup>♂</sup> 53	15° 5	24°50	25° 0	20°10	17° 9	17°36	3°51	11° 3	25°12	24°44	8° 0	6°36	F 27
S 28	18 23 20	5°59'20	13°51	14°37	25°59	25°35	20°17	17°13	17°39	3°51	11° 4	25°11	24°41	8° 6	6°35	S 28
S 29	18 27 17	6°56'34	25°59	14° 7	27° 7	26°10	20°24	17°17	17°43	3°52	11° 5	25°10	24°38	8°13	6°34	S 29
M30	18 31 13	7 <sup>♂</sup> 53'47	8 <sup>II</sup> 16	13°33	28°16	26°44	20°31	17°21	17°46	3°52	11° 6	25° 9	24°35	8°12	6°33	M30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	22n 0	20n28	1s57	25n27	2n 2	7n56	2s14	10s30	2s28	6n 1	1n21	7n32	2n11	22n46	0n 8	S 1
M 2	22 8	17 31	2 56	25 20	1 57	8 18	2 15	10 17	2 29	5 59	1 21	7 31	2 11	22 46	0 2	M 2
T 3	22 16	13 46	3 48	25 12	1 52	8 40	2 17	10 4	2 31	5 58	1 20	7 31	2 11	22 47	0 2	T 3
W 4	22 23	9 22	4 31	25 3	1 46	9 2	2 18	9 51	2 33	5 56	1 20	7 30	2 11	22 47	0 2	W 4
T 5	22 30	4 27	5 1	24 52	1 38	9 24	2 19	9 38	2 34	5 54	1 20	7 29	2 10	22 48	0 2	T 5
F 6	22 37	0s48	5 16	24 40	1 30	9 45	2 20	9 25	2 36	5 53	1 20	7 28	2 10	22 48	0 2	F 6
S 7	22 43	6 10	5 14	24 27	1 22	10 7	2 21	9 12	2 38	5 51	1 20	7 27	2 10	22 48	0 2	S 7
S 8	22 49	11 23	4 54	24 13	1 12	10 29	2 22	8 59	2 40	5 49	1 19	7 26	2 10	22 49	0 2	S 8
M 9	22 54	16 8	4 15	23 59	1 2	10 50	2 22	8 46	2 41	5 47	1 19	7 25	2 10	22 49	0 2	M 9
T 10	22 59	20 1	3 18	23 44	0 51	11 12	2 23	8 33	2 43	5 45	1 19	7 24	2 10	22 49	0 2	T 10
W11	23 4	22 36	2 6	23 28	0 40	11 33	2 23	8 20	2 45	5 43	1 19	7 23	2 9	22 50	0 2	W11
T 12	23 8	23 34	0 45	23 12	0 28	11 54	2 24	8 7	2 47	5 41	1 18	7 22	2 9	22 50	0 2	T 12
F 13	23 12	22 48	0n39	22 55	0 15	12 15	2 24	7 54	2 48	5 39	1 18	7 21	2 9	22 50	0 2	F 13
S 14	23 15	20 24	1 59	22 39	0 1	12 36	2 24	7 41	2 50	5 37	1 18	7 20	2 9	22 51	0 2	S 14
S 15	23 18	16 44	3 9	22 22	0s13	12 57	2 24	7 28	2 52	5 35	1 18	7 18	2 9	22 51	0 2	S 15
M16	23 21	12 10	4 6	22 4	0 27	13 18	2 24	7 15	2 54	5 32	1 18	7 17	2 9	22 52	0 2	M16
T 17	23 23	7 8	4 47	21 47	0 42	13 38	2 23	7 2	2 55	5 30	1 17	7 16	2 8	22 52	0 3	T 17
W18	23 25	1 56	5 11	21 30	0 58	13 58	2 23	6 49	2 57	5 28	1 17	7 15	2 8	22 52	0 3	W18
T 19	23 26	3n12	5 18	21 13	1 13	14 18	2 23	6 36	2 59	5 25	1 17	7 13	2 8	22 53	0 3	T 19
F 20	23 27	8 4	5 9	20 57	1 30	14 38	2 22	6 24	3 1	5 23	1 17	7 12	2 8	22 53	0 3	F 20
S 21	23 27	12 30	4 47	20 41	1 46	14 57	2 21	6 11	3 2	5 20	1 17	7 10	2 8	22 53	0 3	S 21
S 22	23 27	16 22	4 12	20 25	2 2	15 16	2 21	5 58	3 4	5 17	1 16	7 9	2 7	22 54	0 3	S 22
M23	23 27	19 31	3 27	20 10	2 18	15 35	2 20	5 46	3 6	5 15	1 16	7 7	2 7	22 54	0 3	M23
T 24	23 26	21 51	2 33	19 55	2 35	15 54	2 19	5 33	3 8	5 12	1 16	7 6	2 7	22 54	0 3	T 24
W25	23 25	23 13	1 33	19 42	2 51	16 12	2 18	5 21	3 9	5 9	1 16	7 4	2 7	22 55	0 3	W25
T 26	23 24	23 34	0 29	19 29	3 6	16 30	2 17	5 8	3 11	5 6	1 16	7 3	2 7	22 55	0 3	T 26
F 27	23 22	22 50	0s37	19 16	3 21	16 48	2 16	4 56	3 13	5 3	1 15	7 1	2 7	22 55	0 3	F 27
S 28	23 19	21 3	1 42	19 5	3 35	17 5	2 14	4 44	3 15	5 0	1 15	7 0	2 7	22 56	0 3	S 28
S 29	23 16	18 18	2 43	18 55	3 49	17 22	2 13	4 32	3 16	4 58	1 15	6 58	2 6	22 56	0 3	S 29
M30	23n13	14n43	3s37	18n46	4s 1	17n39	2s12	4s20	3s18	4n54	1n15	6n56	2n 6	22n56	0n 3	M30

Julian Day Number = 2401292.5, Delta T = 8.97 sec  
 Ecliptic obliquity = 23°27'25, Nutation = 0°00'17, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 22°49'08, Lahiri = 21°56'09

## ASTRODIENST EPHEMERIS for the year 1862

geocentric

JULY 1862

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 35 10	8°51'00	20°45	12°R58	29°825	27°18	20°39	17°25	17°49	3°V52	11°8 6	25°R 7	24°731	8°II26	6°R32	T 1
W 2	18 39 6	9°48'13	3°28	12°22	0°II33	27°52	20°46	17°30	17°53	3°52	11° 7	25°7 5	24°28	8°33	6°31	W 2
T 3	18 43 3	10°45'25	16°26	11°45	1°42	28°26	20°54	17°34	17°56	3°52	11° 8	25° 3	24°25	8°40	6°30	T 3
F 4	18 47 0	11°42'38	29°42	11° 8	2°51	28°59	21° 2	17°38	18° 0	3°52	11° 9	25° 2	24°22	8°46	6°28	F 4
S 5	18 50 56	12°39'50	13°17	10°32	4° 0	29°32	21° 9	17°43	18° 3	3°53	11°10	25°D 2	24°19	8°53	6°27	S 5
S 6	18 54 53	13°37'01	27°11	9°57	5°10	0°V 5	21°18	17°47	18° 6	3°53	11°10	25° 2	24°16	8°59	6°25	S 6
M 7	18 58 49	14°34'13	11°24	9°24	6°19	0°38	21°26	17°52	18° 9	3°R53	11°11	25° 3	24°12	9° 6	6°24	M 7
T 8	19 2 46	15°31'24	25°56	8°53	7°28	1°10	21°34	17°56	18°13	3°53	11°12	25° 5	24° 9	9°13	6°22	T 8
W 9	19 6 42	16°28'36	10°41	8°25	8°38	1°43	21°42	18° 1	18°16	3°53	11°12	25° 6	24° 6	9°19	6°21	W 9
T 10	19 10 39	17°25'48	25°34	8° 0	9°47	2°14	21°51	18° 6	18°19	3°52	11°13	25°R 6	24° 3	9°26	6°19	T 10
F 11	19 14 35	18°22'59	10°29	7°40	10°57	2°46	21°59	18°11	18°22	3°52	11°14	25° 5	24° 0	9°33	6°18	F 11
S 12	19 18 32	19°20'11	25°18	7°24	12° 6	3°17	22° 8	18°16	18°26	3°52	11°14	25° 4	23°56	9°39	6°16	S 12
S 13	19 22 29	20°17'23	9°52	7°12	13°16	3°48	22°17	18°21	18°29	3°52	11°15	25° 1	23°53	9°46	6°14	S 13
M14	19 26 25	21°14'36	24° 7	7° 6	14°26	4°19	22°26	18°26	18°32	3°52	11°15	24°57	23°50	9°53	6°12	M14
T 15	19 30 22	22°11'49	7°56	7°D 4	15°36	4°49	22°35	18°31	18°35	3°52	11°16	24°54	23°47	9°59	6°10	T 15
W16	19 34 18	23° 9'02	21°20	7° 8	16°46	5°19	22°44	18°36	18°38	3°51	11°17	24°50	23°44	10° 6	6° 9	W16
T 17	19 38 15	24° 6'16	4°V19	7°18	17°56	5°49	22°53	18°42	18°41	3°51	11°17	24°47	23°41	10°13	6° 7	T 17
F 18	19 42 11	25° 3'31	16°54	7°33	19° 6	6°18	23° 3	18°47	18°44	3°51	11°18	24°46	23°37	10°19	6° 5	F 18
S 19	19 46 8	26° 0'47	29°11	7°54	20°16	6°47	23°12	18°52	18°47	3°50	11°18	24°D46	23°34	10°26	6° 3	S 19
S 20	19 50 4	26°58'04	11°13	8°21	21°27	7°16	23°22	18°58	18°50	3°50	11°19	24°46	23°31	10°33	6° 0	S 20
M21	19 54 1	27°55'21	23° 6	8°53	22°37	7°44	23°31	19° 3	18°53	3°50	11°19	24°48	23°28	10°39	5°58	M21
T 22	19 57 58	28°52'39	4°II54	9°31	23°47	8°12	23°41	19° 9	18°56	3°49	11°19	24°50	23°25	10°46	5°56	T 22
W23	20 1 54	29°49'58	16°42	10°15	24°58	8°39	23°51	19°15	18°59	3°49	11°20	24°51	23°22	10°53	5°54	W23
T 24	20 5 51	0°47'18	28°33	11° 4	26° 9	9° 6	24° 1	19°20	19° 2	3°48	11°20	24°R51	23°18	10°59	5°52	T 24
F 25	20 9 47	1°44'39	10°33	11°59	27°19	9°33	24°11	19°26	19° 5	3°48	11°21	24°50	23°15	11° 6	5°49	F 25
S 26	20 13 44	2°42'00	22°42	12°59	28°30	9°59	24°21	19°32	19° 7	3°47	11°21	24°47	23°12	11°12	5°47	S 26
S 27	20 17 40	3°39'23	5°D 3	14° 5	29°41	10°24	24°31	19°38	19°10	3°46	11°21	24°42	23° 9	11°19	5°45	S 27
M28	20 21 37	4°36'46	17°37	15°16	0°52	10°50	24°41	19°44	19°13	3°46	11°22	24°36	23° 6	11°26	5°42	M28
T 29	20 25 33	5°34'09	0°25	16°32	2° 3	11°14	24°51	19°50	19°16	3°45	11°22	24°29	23° 2	11°32	5°40	T 29
W30	20 29 30	6°31'34	13°26	17°53	3°14	11°39	25° 2	19°56	19°18	3°44	11°22	24°22	22°59	11°39	5°38	W30
T 31	20 33 27	7°28'59	26°41	19°18	4°25	12°V 2	25°12	20°22	19°21	3°V44	11°22	24°16	22°56	11°46	5°35	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	23n10	10n27	4s21	18n38	4s12	17n55	2s10	4s 8	3s20	4n51	1n15	6n54	2n 6	22n57	0n 3	0n15
W 2	23 6	5 40	4 54	18 32	4 22	18 11	2 8	3 56	3 22	4 48	1 15	6 53	2 6	22 57	0 3	0 15
T 3	23 1	0 33	5 13	18 26	4 31	18 27	2 7	3 44	3 24	4 45	1 14	6 51	2 6	22 57	0 3	0 15
F 4	22 56	4s42	5 15	18 22	4 38	18 42	2 5	3 32	3 25	4 42	1 14	6 49	2 6	22 57	0 3	0 15
S 5	22 51	9 51	5 0	18 20	4 43	18 57	2 3	3 21	3 27	4 39	1 14	6 47	2 5	22 58	0 3	0 15
S 6	22 46	14 38	4 28	18 18	4 47	19 11	2 1	3 9	3 29	4 35	1 14	6 45	2 5	22 58	0 3	0 15
M 7	22 40	18 43	3 39	18 18	4 50	19 25	1 59	2 58	3 31	4 32	1 14	6 43	2 5	22 58	0 3	0 15
T 8	22 33	21 45	2 34	18 20	4 51	19 39	1 57	2 47	3 32	4 28	1 14	6 41	2 5	22 59	0 3	0 15
W 9	22 26	23 22	1 19	18 22	4 50	19 52	1 55	2 36	3 34	4 25	1 13	6 39	2 5	22 59	0 3	0 15
T 10	22 19	23 20	0n 3	18 26	4 47	20 4	1 53	2 25	3 36	4 21	1 13	6 37	2 5	22 59	0 3	0 15
F 11	22 12	21 39	1 24	18 31	4 43	20 16	1 51	2 14	3 38	4 18	1 13	6 35	2 5	23 0	0 3	0 15
S 12	22 4	18 29	2 39	18 37	4 38	20 28	1 49	2 3	3 39	4 14	1 13	6 33	2 4	23 0	0 3	0 15
S 13	21 55	14 13	3 42	18 45	4 32	20 39	1 46	1 52	3 41	4 11	1 13	6 31	2 4	23 0	0 3	0 14
M14	21 47	9 15	4 30	18 53	4 24	20 49	1 44	1 42	3 43	4 7	1 13	6 29	2 4	23 0	0 3	0 14
T 15	21 38	3 57	5 0	19 2	4 15	21 0	1 42	1 31	3 44	4 3	1 12	6 27	2 4	23 1	0 3	0 14
W16	21 28	1n22	5 13	19 12	4 5	21 9	1 39	1 21	3 46	4 0	1 12	6 25	2 4	23 1	0 3	0 14
T 17	21 18	6 27	5 10	19 22	3 54	21 18	1 37	1 11	3 48	3 56	1 12	6 22	2 4	23 1	0 3	0 14
F 18	21 8	11 7	4 51	19 33	3 42	21 27	1 34	1 1	3 50	3 52	1 12	6 20	2 4	23 2	0 3	0 14
S 19	20 58	15 14	4 19	19 44	3 29	21 35	1 32	0 51	3 51	3 48	1 12	6 18	2 4	23 2	0 3	0 13
S 20	20 47	18 38	3 37	19 56	3 16	21 42	1 29	0 41	3 53	3 44	1 12	6 16	2 3	23 2	0 3	0 13
M21	20 36	21 13	2 45	20 7	3 2	21 49	1 26	0 31	3 55	3 40	1 12	6 13	2 3	23 2	0 3	0 13
T 22	20 24	22 53	1 47	20 19	2 48	21 55	1 24	0 22	3 56	3 36	1 11	6 11	2 3	23 3	0 3	0 13
W23	20 12	23 32	0 44	20 30	2 34	22 1	1 21	0 13	3 58	3 32	1 11	6 9	2 3	23 3	0 3	0 13
T 24	20 0	23 7	0s20	20 41	2 19	22 6	1 18	0 4	4 0	3 28	1 11	6 6	2 3	23 3	0 3	0 12
F 25	19 47	21 38	1 25	20 51	2 4	22 11	1 15	0n 5	4 1	3 24	1 11	6 4	2 3	23 3	0 3	0 12
S 26	19 34	19 9	2 26	21 0	1 49	22 15	1 12	0 14	4 3	3 20	1 11	6 2	2 3	23 4	0 3	0 12
S 27	19 21	15 46	3 21	21 9	1 34	22 18	1 9	0 22	4 5	3 16	1 11	5 59	2 3	23 4	0 3	0 12
M28	19 7	11 38	4 8	21 16	1 20	22 21	1 7	0 31	4 6	3 12	1 11	5 57	2 3	23 4	0 3	0 11
T 29	18 54	6 55	4 43	21 22	1 5	22 23	1 4	0 39	4 8	3 7	1 10	5 54	2 2	23 4	0 3	0 11
W30	18 39	1 50	5 4	21 26	0 50	22 24	1 1	0 47	4 9	3 3	1 10	5 52	2 2	23 4	0 3	0 11
T 31	18n25	3s24	5s 9	21n28	0s36	22n25	0s58	0n55	4s11	2n59	1n10	5n49	2n 2	23n 5	0n 3	0n10

Julian Day Number = 2401322.5, Delta T = 8.96 sec

Ecliptic obliquity = 23°27'25", Nutation = 0°00'18", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 22°49'12", Lahiri = 21°56'13"



# ASTRODIENST EPHEMERIS for the year 1862

## geocentric

AUGUST 1862

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 37 23	8♌26'25	10♊8	20♊49	5♊36	12♊26	25♊23	20♊8	19♊24	3♊43	11♊23	24♊R11	22♊53	11♊52	5♊R32	F 1
S 2	20 41 20	9°23'51	23°48	22°24	6°47	12°48	25°34	20°15	19°26	3♊42	11°23	24♊8	22°50	11°59	5♊30	S 2
S 3	20 45 16	10°21'18	7♌40	24° 3	7°58	13°11	25°44	20°21	19°29	3°41	11°23	24°D 7	22°47	12° 6	5°27	S 3
M 4	20 49 13	11°18'46	21°44	25°45	9°10	13°32	25°55	20°27	19°31	3°40	11°23	24° 7	22°43	12°12	5°25	M 4
T 5	20 53 9	12°16'14	5♌59	27°32	10°21	13°54	26° 6	20°33	19°34	3°40	11°23	24° 9	22°40	12°19	5°22	T 5
W 6	20 57 6	13°13'44	20°23	29°21	11°33	14°14	26°17	20°40	19°36	3°39	11°23	24°R 9	22°37	12°26	5°19	W 6
T 7	21 1 2	14°11'14	4♌53	1♌14	12°44	14°34	26°28	20°46	19°39	3°38	11°24	24° 9	22°34	12°32	5°17	T 7
F 8	21 4 59	15° 8'45	19°26	3° 9	13°56	14°54	26°39	20°53	19°41	3°37	11°24	24° 7	22°31	12°39	5°14	F 8
S 9	21 8 56	16° 6'17	3♌54	5° 6	15° 8	15°13	26°50	20°59	19°43	3°36	11°24	24° 2	22°28	12°46	5°11	S 9
S 10	21 12 52	17° 3'50	18°14	7° 5	16°19	15°31	27° 1	21° 6	19°45	3°35	11°24	23°55	22°24	12°52	5° 9	S 10
M 11	21 16 49	18° 1'24	2♌18	9° 5	17°31	15°49	27°13	21°13	19°48	3°34	11°24	23°47	22°21	12°59	5° 6	M 11
T 12	21 20 45	18°58'59	16° 3	11° 6	18°43	16° 6	27°24	21°19	19°50	3°33	11°24	23°38	22°18	13° 5	5° 3	T 12
W 13	21 24 42	19°56'36	29°24	13° 8	19°55	16°22	27°35	21°26	19°52	3°32	11°24	23°29	22°15	13°12	5° 0	W 13
T 14	21 28 38	20°54'14	12♊23	15°10	21° 7	16°38	27°47	21°33	19°54	3°31	11°24	23°22	22°12	13°19	4°57	T 14
F 15	21 32 35	21°51'53	24°59	17°12	22°19	16°53	27°58	21°40	19°56	3°29	11°24	23°16	22° 8	13°25	4°54	F 15
S 16	21 36 31	22°49'35	7♌17	19°14	23°31	17° 8	28°10	21°46	19°58	3°28	11°23	23°13	22° 5	13°32	4°52	S 16
S 17	21 40 28	23°47'17	19°19	21°16	24°43	17°21	28°22	21°53	20° 0	3°27	11°23	23°D12	22° 2	13°39	4°49	S 17
M 18	21 44 25	24°45'02	1♌12	23°17	25°55	17°34	28°33	22° 0	20° 2	3°26	11°23	23°12	21°59	13°45	4°46	M 18
T 19	21 48 21	25°42'48	13° 0	25°17	27° 8	17°47	28°45	22° 7	20° 4	3°25	11°23	23°12	21°56	13°52	4°43	T 19
W 20	21 52 18	26°40'36	24°50	27°17	28°20	17°58	28°57	22°14	20° 6	3°23	11°23	23°R13	21°53	13°59	4°40	W 20
T 21	21 56 14	27°38'25	6♌45	29°15	29°33	18° 9	29° 9	22°21	20° 8	3°22	11°23	23°12	21°49	14° 5	4°37	T 21
F 22	22 0 11	28°36'16	18°50	1♌13	0♌45	18°19	29°21	22°28	20°10	3°21	11°23	23° 9	21°46	14°12	4°34	F 22
S 23	22 4 7	29°34'09	1♌9	3° 9	1°58	18°28	29°33	22°35	20°12	3°20	11°22	23° 3	21°43	14°19	4°31	S 23
S 24	22 8 4	0♌32'03	13°45	5° 4	3°10	18°36	29°45	22°42	20°13	3°18	11°22	22°55	21°40	14°25	4°28	S 24
M 25	22 12 0	1°29'59	26°37	6°58	4°23	18°44	29°57	22°49	20°15	3°17	11°22	22°45	21°37	14°32	4°25	M 25
T 26	22 15 57	2°27'57	9♌47	8°51	5°36	18°51	0♌9	22°57	20°16	3°16	11°21	22°34	21°34	14°39	4°22	T 26
W 27	22 19 54	3°25'55	23°12	10°42	6°48	18°57	0°21	23° 4	20°18	3°14	11°21	22°22	21°30	14°45	4°19	W 27
T 28	22 23 50	4°23'56	6♌50	12°32	8° 1	19° 2	0°33	23°11	20°20	3°13	11°21	22°12	21°27	14°52	4°16	T 28
F 29	22 27 47	5°21'58	20°38	14°21	9°14	19° 6	0°46	23°18	20°21	3°11	11°20	22° 3	21°24	14°58	4°13	F 29
S 30	22 31 43	6°20'01	4♌33	16° 8	10°27	19° 9	0°58	23°25	20°22	3°10	11°20	21°57	21°21	15° 5	4°11	S 30
S 31	22 35 40	7♌18'06	18♌34	17♌54	11♌40	19♊12	1♌10	23♊33	20♊24	3♊8	11♊20	21♊54	21♊18	15♊12	4♊8	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18n10	8s34	4s57	21n29	0s22	22n26	0s55	1n 2	4s12	2n55	1n10	5n47	2n 2	23n 5	0n 3	F 1
S 2	17 55	13 24	4 29	21 27	0 9	22 25	0 52	1 10	4 14	2 50	1 10	5 44	2 2	23 5	0 3	S 2
S 3	17 39	17 37	3 45	21 23	0n 4	22 24	0 49	1 17	4 16	2 46	1 10	5 42	2 2	23 5	0 3	S 3
M 4	17 24	20 53	2 46	21 16	0 16	22 23	0 46	1 24	4 17	2 41	1 10	5 39	2 2	23 6	0 3	M 4
T 5	17 8	22 54	1 37	21 7	0 28	22 20	0 43	1 31	4 18	2 37	1 10	5 37	2 2	23 6	0 3	T 5
W 6	16 52	23 27	0 20	20 56	0 39	22 18	0 40	1 37	4 20	2 33	1 9	5 34	2 2	23 6	0 3	W 6
T 7	16 35	22 24	0n58	20 42	0 49	22 14	0 37	1 44	4 21	2 28	1 9	5 31	2 2	23 6	0 3	T 7
F 8	16 18	19 52	2 12	20 25	0 58	22 10	0 34	1 50	4 23	2 24	1 9	5 29	2 2	23 6	0 3	F 8
S 9	16 1 16	6 3	3 17	20 5	1 7	22 5	0 31	1 56	4 24	2 19	1 9	5 26	2 2	23 7	0 3	S 9
S 10	15 44	11 25	4 9	19 43	1 14	22 0	0 28	2 2	4 25	2 14	1 9	5 23	2 1	23 7	0 3	S 10
M 11	15 26	6 14	4 45	19 18	1 21	21 54	0 25	2 7	4 27	2 10	1 9	5 21	2 1	23 7	0 3	M 11
T 12	15 9	0 51	5 3	18 51	1 27	21 47	0 22	2 13	4 28	2 5	1 9	5 18	2 1	23 7	0 3	T 12
W 13	14 51	4n25	5 4	18 22	1 32	21 40	0 19	2 18	4 29	2 1	1 9	5 15	2 1	23 7	0 3	W 13
T 14	14 32	9 20	4 49	17 50	1 37	21 32	0 16	2 23	4 31	1 56	1 9	5 13	2 1	23 7	0 3	T 14
F 15	14 14	13 43	4 21	17 17	1 40	21 24	0 13	2 27	4 32	1 51	1 9	5 10	2 1	23 8	0 3	F 15
S 16	13 55	17 25	3 40	16 41	1 43	21 15	0 10	2 32	4 33	1 47	1 8	5 7	2 1	23 8	0 3	S 16
S 17	13 36	20 19	2 51	16 4	1 44	21 5	0 7	2 36	4 34	1 42	1 8	5 4	2 1	23 8	0 3	S 17
M 18	13 17	22 18	1 55	15 26	1 46	20 55	0 4	2 40	4 35	1 37	1 8	5 2	2 1	23 8	0 3	M 18
T 19	12 57	23 16	0 54	14 46	1 46	20 44	0 1	2 43	4 36	1 32	1 8	4 59	2 1	23 8	0 3	T 19
W 20	12 38	23 13	0s 9	14 5	1 46	20 32	0n 2	2 47	4 37	1 28	1 8	4 56	2 1	23 8	0 3	W 20
T 21	12 18	22 6	1 12	13 22	1 45	20 20	0 5	2 50	4 38	1 23	1 8	4 53	2 1	23 9	0 3	T 21
F 22	11 58	19 57	2 12	12 39	1 43	20 8	0 8	2 53	4 39	1 18	1 8	4 50	2 1	23 9	0 3	F 22
S 23	11 38	16 52	3 8	11 55	1 41	19 55	0 11	2 56	4 40	1 13	1 8	4 48	2 1	23 9	0 3	S 23
S 24	11 18	12 57	3 55	11 11	1 38	19 41	0 13	2 58	4 41	1 8	1 8	4 45	2 1	23 9	0 3	S 24
M 25	10 57	8 23	4 32	10 26	1 35	19 26	0 16	3 0	4 41	1 3	1 8	4 42	2 1	23 9	0 3	M 25
T 26	10 36	3 21	4 55	9 40	1 32	19 11	0 19	3 2	4 42	0 58	1 8	4 39	2 1	23 9	0 3	T 26
W 27	10 15	1s55	5 2	8 55	1 27	18 56	0 22	3 4	4 43	0 54	1 8	4 36	2 1	23 9	0 3	W 27
T 28	9 54	7 11	4 52	8 8	1 23	18 40	0 24	3 5	4 43	0 49	1 8	4 33	2 1	23 9	0 3	T 28
F 29	9 33	12 10	4 26	7 22	1 18	18 23	0 27	3 6	4 44	0 44	1 7	4 30	2 1	23 10	0 3	F 29
S 30	9 12	16 33	3 43	6 36	1 13	18 6	0 29	3 7	4 44	0 39	1 7	4 28	2 1	23 10	0 3	S 30
S 31	8n50	20s 2	2s47	5n49	1n 8	17n49	0n32	3n 8	4s44	0n34	1n 7	4n25	2n 1	23n10	0n 3	S 31

Julian Day Number = 2401353.5, Delta T = 8.96 sec  
 Ecliptic obliquity = 23°27'25, Nutation = 0°00'18, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 22°49'17, Lahiri = 21°56'17

# ASTRODIENST EPHEMERIS for the year 1862

## geocentric

SEPTEMBER 1862

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 39 36	8♍16'12	2♊38	19♍39	12♏53	19♍14	1♌23	23♍40	20♏25	3°R 7	11°R19	21°R53	21♊14	15♏18	4°R 5	M 1
T 2	22 43 33	9°14'19	16°45	21°23	14° 6	19°R14	1°35	23°47	20°26	3°Y 6	11♏19	21♊53	21°11	15°25	4♋2	T 2
W 3	22 47 29	10°12'28	0♌54	23° 5	15°19	19°14	1°48	23°55	20°28	3° 4	11°18	21°53	21° 8	15°32	3°59	W 3
T 4	22 51 26	11°10'39	15° 3	24°47	16°33	19°14	2° 0	24° 2	20°29	3° 3	11°18	21°51	21° 5	15°38	3°56	T 4
F 5	22 55 23	12° 8'50	29°10	26°27	17°46	19°12	2°13	24° 9	20°30	3° 1	11°17	21°47	21° 2	15°45	3°53	F 5
S 6	22 59 19	13° 7'04	13♋14	28° 6	18°59	19° 9	2°25	24°17	20°31	3° 0	11°17	21°41	20°59	15°52	3°50	S 6
S 7	23 3 16	14° 5'18	27° 9	29°43	20°13	19° 6	2°38	24°24	20°32	2°58	11°16	21°31	20°55	15°58	3°47	S 7
M 8	23 7 12	15° 3'35	10♋53	1♌20	21°26	19° 2	2°50	24°31	20°33	2°56	11°16	21°20	20°52	16° 5	3°44	M 8
T 9	23 11 9	16° 1'53	24°22	2°55	22°40	18°56	3° 3	24°39	20°34	2°55	11°15	21° 7	20°49	16°12	3°41	T 9
W10	23 15 5	17° 0'13	7♍32	4°30	23°53	18°50	3°16	24°46	20°35	2°53	11°15	20°55	20°46	16°18	3°39	W10
T 11	23 19 2	17°58'35	20°23	6° 3	25° 7	18°44	3°28	24°54	20°36	2°52	11°14	20°44	20°43	16°25	3°36	T 11
F 12	23 22 58	18°57'00	2♌55	7°35	26°20	18°36	3°41	25° 1	20°36	2°50	11°14	20°35	20°39	16°31	3°33	F 12
S 13	23 26 55	19°55'26	15°11	9° 6	27°34	18°28	3°54	25° 9	20°37	2°48	11°13	20°29	20°36	16°38	3°30	S 13
S 14	23 30 51	20°53'54	27°12	10°36	28°48	18°18	4° 7	25°16	20°38	2°47	11°12	20°26	20°33	16°45	3°27	S 14
M15	23 34 48	21°52'25	9♏4	12° 4	0♍1	18° 8	4°19	25°24	20°38	2°45	11°12	20°24	20°30	16°51	3°25	M15
T 16	23 38 45	22°50'57	20°53	13°32	1°15	17°57	4°32	25°31	20°39	2°44	11°11	20°24	20°27	16°58	3°22	T 16
W17	23 42 41	23°49'32	2♌42	14°59	2°29	17°46	4°45	25°38	20°40	2°42	11°10	20°24	20°24	17° 5	3°19	W17
T 18	23 46 38	24°48'09	14°38	16°24	3°43	17°34	4°58	25°46	20°40	2°40	11° 9	20°23	20°20	17°11	3°16	T 18
F 19	23 50 34	25°46'49	26°47	17°48	4°57	17°21	5°11	25°53	20°40	2°39	11° 9	20°20	20°17	17°18	3°14	F 19
S 20	23 54 31	26°45'30	9♏12	19°11	6°11	17° 7	5°24	26° 1	20°41	2°37	11° 8	20°14	20°14	17°25	3°11	S 20
S 21	23 58 27	27°44'14	21°56	20°33	7°25	16°53	5°37	26° 8	20°41	2°35	11° 7	20° 6	20°11	17°31	3° 8	S 21
M22	0 2 24	28°42'59	5♍3	21°53	8°39	16°38	5°50	26°16	20°41	2°34	11° 6	19°55	20° 8	17°38	3° 6	M22
T 23	0 6 20	29°41'47	18°31	23°13	9°53	16°22	6° 3	26°23	20°42	2°32	11° 6	19°43	20° 5	17°45	3° 3	T 23
W24	0 10 17	0♌40	2♌19	24°31	11° 7	16° 6	6°16	26°31	20°42	2°30	11° 5	19°31	20° 1	17°51	3° 1	W24
T 25	0 14 14	1°39'28	16°23	25°47	12°22	15°50	6°28	26°38	20°42	2°29	11° 4	19°20	19°58	17°58	2°58	T 25
F 26	0 18 10	2°38'22	0♍37	27° 2	13°36	15°33	6°41	26°46	20°R42	2°27	11° 3	19°11	19°55	18° 4	2°56	F 26
S 27	0 22 7	3°37'18	14°56	28°16	14°50	15°15	6°54	26°53	20°42	2°25	11° 2	19° 4	19°52	18°11	2°53	S 27
S 28	0 26 3	4°36'15	29°16	29°27	16° 4	14°58	7° 7	27° 0	20°42	2°24	11° 1	19° 1	19°49	18°18	2°51	S 28
M29	0 30 0	5°35'15	13♊33	0♍37	17°19	14°40	7°20	27° 8	20°42	2°22	11° 1	18°D59	19°45	18°24	2°49	M29
T 30	0 33 56	6♌34'16	27♊44	1♍46	18♍33	14°Y22	7♌33	27♍15	20♏42	2°Y20	11♏0	19♊0	19♊42	18♏31	2♋46	T 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	8n28	22s20	1s40	5n 3	1n 2	17n31	0n35	3n 8	4s45	0n29	1n 7	4n22	2n 1	23n10	0n 3	0s 5
T 2	8 7	23 15	0 27	4 17	0 56	17 12	0 37	3 9	4 45	0 24	1 7	4 19	2 1	23 10	0 3	0 6
W 3	7 45	22 40	0n48	3 30	0 50	16 53	0 39	3 8	4 45	0 19	1 7	4 16	2 1	23 10	0 3	0 7
T 4	7 23	20 38	1 59	2 44	0 43	16 33	0 42	3 8	4 45	0 14	1 7	4 13	2 1	23 10	0 3	0 7
F 5	7 1	17 21	3 4	1 58	0 36	16 13	0 44	3 8	4 45	0 9	1 7	4 10	2 1	23 10	0 3	0 8
S 6	6 38	13 5	3 56	1 13	0 30	15 53	0 46	3 7	4 45	0 4	1 7	4 7	2 1	23 10	0 3	0 9
S 7	6 16	8 10	4 34	0 27	0 23	15 32	0 49	3 6	4 44	0s 1	1 7	4 4	2 1	23 11	0 3	0 9
M 8	5 53	2 56	4 56	0s18	0 15	15 10	0 51	3 5	4 44	0 6	1 7	4 1	2 1	23 11	0 3	0 10
T 9	5 31	2n21	5 0	1 2	0 8	14 48	0 53	3 3	4 43	0 11	1 7	3 58	2 1	23 11	0 3	0 10
W10	5 8	7 24	4 48	1 47	0 1	14 26	0 55	3 1	4 43	0 17	1 7	3 55	2 1	23 11	0 3	0 11
T 11	4 45	12 1	4 22	2 31	0s 7	14 4	0 57	2 59	4 42	0 22	1 7	3 53	2 1	23 11	0 3	0 12
F 12	4 23	15 59	3 43	3 14	0 15	13 40	0 59	2 57	4 41	0 27	1 7	3 50	2 1	23 11	0 3	0 12
S 13	4 0	19 11	2 55	3 57	0 22	13 17	1 1	2 55	4 40	0 32	1 7	3 47	2 1	23 11	0 3	0 13
S 14	3 37	21 29	2 0	4 39	0 30	12 53	1 3	2 52	4 39	0 37	1 7	3 44	2 1	23 11	0 3	0 14
M15	3 14	22 49	1 0	5 21	0 38	12 29	1 5	2 50	4 38	0 42	1 7	3 41	2 1	23 11	0 3	0 14
T 16	2 50	23 6	0s 3	6 3	0 46	12 4	1 7	2 47	4 37	0 47	1 7	3 38	2 1	23 11	0 4	0 15
W17	2 27	22 21	1 5	6 43	0 53	11 39	1 8	2 44	4 35	0 52	1 7	3 35	2 1	23 11	0 4	0 16
T 18	2 4	20 35	2 5	7 24	1 1	11 14	1 10	2 41	4 34	0 57	1 7	3 32	2 1	23 11	0 4	0 16
F 19	1 41	17 52	3 0	8 3	1 9	10 49	1 11	2 37	4 32	1 2	1 7	3 29	2 1	23 11	0 4	0 17
S 20	1 17	14 18	3 48	8 42	1 17	10 23	1 13	2 34	4 31	1 8	1 7	3 26	2 1	23 11	0 4	0 18
S 21	0 54	10 0	4 26	9 20	1 24	9 57	1 14	2 30	4 29	1 13	1 7	3 23	2 1	23 11	0 4	0 18
M22	0 31	5 9	4 51	9 58	1 32	9 30	1 16	2 26	4 27	1 18	1 7	3 20	2 1	23 11	0 4	0 19
T 23	0 7	0s 4	5 1	10 34	1 40	9 3	1 17	2 22	4 24	1 23	1 7	3 17	2 1	23 11	0 4	0 20
W24	0s16	5 25	4 54	11 10	1 47	8 36	1 18	2 18	4 22	1 28	1 7	3 14	2 1	23 11	0 4	0 20
T 25	0 40	10 34	4 29	11 45	1 55	8 9	1 20	2 14	4 20	1 33	1 7	3 11	2 1	23 11	0 4	0 21
F 26	1 3	15 14	3 47	12 19	2 2	7 42	1 21	2 10	4 17	1 38	1 7	3 9	2 1	23 11	0 4	0 22
S 27	1 26	19 2	2 50	12 52	2 9	7 14	1 22	2 6	4 14	1 44	1 6	3 6	2 1	23 11	0 4	0 22
S 28	1 50	21 41	1 43	13 24	2 16	6 46	1 23	2 2	4 11	1 49	1 6	3 3	2 1	23 11	0 4	0 23
M29	2 13	22 55	0 29	13 56	2 23	6 18	1 24	1 58	4 8	1 54	1 6	3 0	2 1	23 11	0 4	0 24
T 30	2s37	22s40	0n46	14s26	2s29	5n50	1n25	1n54	4s 5	1s59	1n 6	2n57	2n 1	23n11	0n 4	0s24

Julian Day Number = 2401384.5, Delta T = 8.96 sec  
 Ecliptic obliquity = 23°27'25, Nutation = 0°00'18, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 22°49'21, Lahiri = 21°56'21



# ASTRODIENST EPHEMERIS for the year 1862

## geocentric

NOVEMBER 1862

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 40 6	8♉20'23	3♊36	28♉44	28♉29	7♉R 0	14♉23	1♉0	20♉R10	1♉R32	10♉R26	16♉R50	18♉1	22♉II 4	1♉R57	S 1
S 2	2 44 3	9°20'29	16°47	27♉59	29°45	6♉V57	14°36	1° 7	20♉II 9	1♉V31	10♉X25	16♉X46	17°57	22°10	1♉X56	S 2
M 3	2 47 59	10°20'36	29°45	27°25	1♉0	6°55	14°48	1°13	20° 7	1°30	10°24	16°40	17°54	22°17	1°56	M 3
T 4	2 51 56	11°20'45	12♉V29	27° 2	2°15	6°53	15° 1	1°19	20° 5	1°28	10°23	16°34	17°51	22°24	1°55	T 4
W 5	2 55 52	12°20'55	25° 2	26°D50	3°30	6°52	15°13	1°25	20° 3	1°27	10°22	16°27	17°48	22°30	1°55	W 5
T 6	2 59 49	13°21'07	7♉22	26°51	4°46	6°D52	15°25	1°32	20° 1	1°26	10°21	16°22	17°45	22°37	1°54	T 6
F 7	3 3 45	14°21'21	19°32	27° 2	6° 1	6°53	15°37	1°38	19°59	1°25	10°20	16°17	17°42	22°44	1°54	F 7
S 8	3 7 42	15°21'37	1♉II33	27°23	7°16	6°54	15°49	1°44	19°57	1°24	10°18	16°15	17°38	22°50	1°54	S 8
S 9	3 11 38	16°21'55	13°26	27°54	8°32	6°57	16° 1	1°50	19°56	1°23	10°17	16°D14	17°35	22°57	1°54	S 9
M10	3 15 35	17°22'15	25°15	28°34	9°47	7° 0	16°13	1°56	19°53	1°22	10°16	16°14	17°32	23° 3	1°53	M10
T 11	3 19 32	18°22'36	7♉1	29°21	11° 2	7° 3	16°25	2° 2	19°51	1°21	10°15	16°15	17°29	23°10	1°53	T 11
W12	3 23 28	19°22'59	18°49	0♉15	12°18	7° 8	16°37	2° 8	19°49	1°20	10°14	16°17	17°26	23°17	1°D53	W12
T 13	3 27 25	20°23'24	0♉44	1°15	13°33	7°13	16°49	2°14	19°47	1°19	10°13	16°19	17°22	23°23	1°53	T 13
F 14	3 31 21	21°23'51	12°50	2°20	14°49	7°19	17° 1	2°19	19°45	1°18	10°12	16°20	17°19	23°30	1°53	F 14
S 15	3 35 18	22°24'20	25°11	3°30	16° 4	7°26	17°13	2°25	19°43	1°17	10°11	16°R20	17°16	23°37	1°54	S 15
S 16	3 39 14	23°24'50	7♉53	4°43	17°19	7°34	17°24	2°31	19°41	1°16	10°10	16°20	17°13	23°43	1°54	S 16
M17	3 43 11	24°25'23	21° 0	6° 0	18°35	7°42	17°36	2°36	19°39	1°15	10° 8	16°18	17°10	23°50	1°54	M17
T 18	3 47 7	25°25'57	4♉33	7°20	19°50	7°51	17°48	2°42	19°36	1°14	10° 7	16°15	17° 7	23°57	1°54	T 18
W19	3 51 4	26°26'33	18°34	8°42	21° 6	8° 0	17°59	2°47	19°34	1°13	10° 6	16°12	17° 3	24° 3	1°55	W19
T 20	3 55 1	27°27'10	3♉1	10° 6	22°21	8°11	18°11	2°53	19°32	1°13	10° 5	16°10	17° 0	24°10	1°55	T 20
F 21	3 58 57	28°27'50	17°49	11°32	23°36	8°21	18°22	2°58	19°29	1°12	10° 4	16° 8	16°57	24°17	1°56	F 21
S 22	4 2 54	29°28'31	2♉51	12°59	24°52	8°33	18°33	3° 3	19°27	1°11	10° 3	16° 6	16°54	24°23	1°56	S 22
S 23	4 6 50	0♉29'13	17°58	14°27	26° 7	8°45	18°45	3° 8	19°25	1°11	10° 2	16°D 6	16°51	24°30	1°57	S 23
M24	4 10 47	1°29'56	3♉0	15°56	27°23	8°58	18°56	3°13	19°22	1°10	10° 1	16° 6	16°48	24°37	1°57	M24
T 25	4 14 43	2°30'41	17°51	17°27	28°38	9°11	19° 7	3°18	19°20	1° 9	10° 0	16° 7	16°44	24°43	1°58	T 25
W26	4 18 40	3°31'27	2♉23	18°57	29°54	9°26	19°18	3°23	19°17	1° 9	9°59	16° 8	16°41	24°50	1°59	W26
T 27	4 22 37	4°32'13	16°33	20°29	1♉9	9°40	19°29	3°28	19°15	1° 8	9°58	16° 9	16°38	24°56	2° 0	T 27
F 28	4 26 33	5°33'01	0♉20	22° 0	2°25	9°55	19°40	3°33	19°13	1° 8	9°57	16°R10	16°35	25° 3	2° 1	F 28
S 29	4 30 30	6°33'49	13°44	23°32	3°40	10°11	19°50	3°37	19°10	1° 7	9°56	16°10	16°32	25°10	2° 2	S 29
S 30	4 34 26	7♉34'39	26♉47	25♉5	4♉56	10♉V28	20♉1	3♉42	19♉II 8	1♉V 7	9♉X55	16♉X 9	16♉X28	25♉II16	2♉X 3	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	decl	lat	
S 1	14s18	5s29	5n 3	10s20	0n45	9s46	1n16	1n 3	1s53	4s38	1n 8	1n31	2n 5	23n10	0n 4	0s43	1s27	0s33	16s18	22s48	22s55	22n51	5s22	5n48						
S 2	14 37	0 27	5 11	9 48	1 2	10 13	1 15	1 6	1 49	4 43	1 8	1 29	2 5	23 10	0 4	0 44	1 27	0 33	16 18	22 48	22 55	22 51	5 23	5 47						
M 3	14 56	4n32	5 3	9 21	1 18	10 41	1 14	1 8	1 45	4 48	1 8	1 26	2 6	23 9	0 4	0 44	1 27	0 34	16 18	22 47	22 54	22 50	5 24	5 47						
T 4	15 15	9 14	4 40	9 0	1 32	11 8	1 12	1 11	1 41	4 52	1 8	1 24	2 6	23 9	0 4	0 45	1 27	0 34	16 18	22 47	22 54	22 50	5 24	5 46						
W 5	15 33	13 28	4 4	8 45	1 44	11 35	1 11	1 15	1 37	4 57	1 8	1 21	2 6	23 9	0 4	0 45	1 27	0 34	16 18	22 46	22 54	22 49	5 25	5 46						
T 6	15 51	17 5	3 17	8 35	1 54	12 2	1 9	1 18	1 33	5 2	1 8	1 19	2 6	23 9	0 4	0 46	1 27	0 35	16 18	22 45	22 53	22 49	5 25	5 46						
F 7	16 9	19 53	2 21	8 32	2 2	12 28	1 8	1 22	1 29	5 6	1 8	1 17	2 6	23 9	0 4	0 46	1 27	0 35	16 18	22 45	22 53	22 48	5 26	5 45						
S 8	16 27	21 47	1 20	8 33	2 8	12 55	1 6	1 26	1 25	5 11	1 8	1 15	2 6	23 9	0 4	0 46	1 27	0 35	16 18	22 45	22 53	22 48	5 26	5 45						
S 9	16 45	22 41	0 15	8 40	2 13	13 20	1 4	1 31	1 21	5 15	1 8	1 12	2 7	23 9	0 4	0 47	1 27	0 35	16 18	22 45	22 53	22 47	5 27	5 44						
M10	17 2	22 33	0s49	8 50	2 17	13 46	1 3	1 35	1 18	5 20	1 8	1 10	2 7	23 8	0 4	0 47	1 27	0 36	16 18	22 45	22 52	22 47	5 27	5 44						
T 11	17 19	21 24	1 52	9 5	2 19	14 11	1 1	1 40	1 14	5 25	1 8	1 8	2 7	23 8	0 4	0 48	1 27	0 36	16 17	22 45	22 52	22 46	5 27	5 44						
W12	17 35	19 20	2 50	9 23	2 19	14 36	0 59	1 45	1 10	5 29	1 9	1 6	2 7	23 8	0 4	0 48	1 27	0 36	16 17	22 45	22 52	22 46	5 28	5 43						
T 13	17 51	16 24	3 41	9 44	2 19	15 0	0 57	1 51	1 7	5 33	1 9	1 4	2 7	23 8	0 4	0 48	1 27	0 36	16 17	22 45	22 51	22 45	5 28	5 43						
F 14	18 7	12 46	4 23	10 8	2 18	15 25	0 55	1 56	1 3	5 38	1 9	1 2	2 8	23 8	0 4	0 49	1 27	0 37	16 17	22 45	22 51	22 45	5 28	5 42						
S 15	18 23	8 30	4 55	10 34	2 16	15 48	0 54	2 2	1 0	5 42	1 9	0 59	2 8	23 8	0 4	0 49	1 27	0 37	16 17	22 45	22 51	22 44	5 29	5 42						
S 16	18 38	3 47	5 12	11 1	2 13	16 11	0 52	2 8	0 56	5 47	1 9	0 57	2 8	23 8	0 4	0 49	1 27	0 37	16 17	22 45	22 50	22 43	5 29	5 42						
M17	18 53	1s15	5 15	11 30	2 9	16 34	0 50	2 15	0 53	5 51	1 9	0 55	2 8	23 7	0 4	0 50	1 27	0 37	16 17	22 45	22 50	22 43	5 29	5 41						
T 18	19 8	6 24	5 0	12 0	2 5	16 57	0 48	2 21	0 50	5 55	1 9	0 53	2 8	23 7	0 4	0 50	1 27	0 38	16 17	22 45	22 50	22 42	5 30	5 41						
W19	19 22	11 24	4 27	12 31	2 0	17 19	0 45	2 28	0 47	6 0	1 9	0 51	2 9	23 7	0 4	0 50	1 27	0 38	16 17	22 44	22 50	22 42	5 30	5 40						
T 20	19 36	15 55	3 36	13 2	1 55	17 40	0 43	2 35	0 44	6 4	1 9	0 49	2 9	23 7	0 4	0 50	1 27	0 38	16 17	22 44	22 49	22 41	5 30	5 40						
F 21	19 50	19 34	2 30	13 34	1 50	18 1	0 41	2 42	0 40	6 8	1 9	0 48	2 9	23 7	0 4	0 51	1 26	0 38	16 16	22 44	22 49	22 41	5 30	5 40						
S 22	20 3	21 56	1 13	14 6	1 44	18 22	0 39	2 49	0 37	6 12	1 10	0 46	2 9	23 7	0 4	0 51	1 26	0 38	16 16	22 44	22 49	22 40	5 30	5 39						
S 23	20 16	22 44	0n10	14 38	1 38	18 42	0 37	2 57	0 34	6 16	1 10	0 44	2 9	23 6	0 4	0 51	1 26	0 39	16 16	22 44	22 48	22 39	5 31	5 39						
M24	20 29	21 53	1 32	15 10	1 31	19 1	0 35	3 4	0 32	6 21	1 10	0 42	2 10	23 6	0 4	0 51	1 26	0 39	16 16	22 44	22 48	22 39	5 31	5 38						
T 25	20 41	19 30	2 47	15 42	1 25	19 21	0 33	3 12	0 29	6 25	1 10	0 40	2 10	23 6	0 4	0 52	1 26	0 39	16 16	22 44	22 48	22 38	5 31	5 38						
W26	20 52	15 55	3 50	16 13	1 18	19 39	0 30	3 20	0 26	6 29	1 10	0 38	2 10	23 6	0 4	0 52	1 26	0 39	16 16	22 44	22 47	22 38	5 31	5 38						
T 27	21 4	11 29	4 36	16 44	1 11	19 57	0 28	3 29	0 23	6 33	1 10	0 37	2 10	23 6	0 4	0 52	1 26	0 39	16 16	22 44	22 47	22 37	5 31	5 37						
F 28	21 15	6 36	5 6	17 15	1 4	20 14	0 26	3 37	0 21	6 37	1 10	0 35	2 11	23 5	0 4	0 52	1 26	0 39	16 15	22 44	22 47	22 36	5 31	5 37						
S 29	21 25	1 31	5 17	17 45	0 57	20 31	0 23	3 46	0 18	6 41	1 10	0 33	2 11	23 5	0 4	0 52	1 26	0 40	16 15	22 44	22 46	22 36	5 31	5 36						
S 30	21s35	3n29	5n12	18s14	0n50	20s47	0n21	3n54	0s15	6s44	1n11	0n32	2n11	23n 5	0n 4	0s52	1s26	0s40	16s15	22s44	22s46	22n35	5s31	5n36						

# ASTRODIENST EPHEMERIS for the year 1862

## geocentric

DECEMBER 1862

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 38 23	8°35'29	9°31	26°37	6°11	10°44	20°12	3°47	19°R 5	1°R 6	9°R54	16°R 8	16°25	25°23	2°4	M 1
T 2	4 42 19	9°36'20	22° 0	28°10	7°27	11° 2	20°22	3°51	19°II 3	1°Y 6	9°R53	16°R 8	16°22	25°30	2° 5	T 2
W 3	4 46 16	10°37'12	4°16	29°43	8°42	11°20	20°33	3°55	19° 0	1° 6	9°52	16° 7	16°19	25°36	2° 6	W 3
T 4	4 50 12	11°38'05	16°23	1°16	9°58	11°38	20°43	4° 0	18°58	1° 5	9°51	16° 6	16°16	25°43	2° 8	T 4
F 5	4 54 9	12°38'59	28°21	2°49	11°13	11°57	20°53	4° 4	18°55	1° 5	9°50	16° 6	16°13	25°50	2° 9	F 5
S 6	4 58 6	13°39'54	10°II 14	4°22	12°29	12°16	21° 3	4° 8	18°52	1° 5	9°49	16°D 6	16° 9	25°56	2°10	S 6
S 7	5 2 2	14°40'49	22° 3	5°55	13°44	12°36	21°13	4°12	18°50	1° 5	9°48	16° 6	16° 6	26° 3	2°12	S 7
M 8	5 5 59	15°41'46	3°35	7°29	15° 0	12°56	21°23	4°16	18°47	1° 4	9°47	16°R 6	16° 3	26°10	2°13	M 8
T 9	5 9 55	16°42'44	15°39	9° 2	16°15	13°17	21°33	4°20	18°45	1° 4	9°47	16° 6	16° 0	26°16	2°15	T 9
W10	5 13 52	17°43'43	27°31	10°36	17°31	13°38	21°43	4°23	18°42	1° 4	9°46	16° 5	15°57	26°23	2°16	W10
T 11	5 17 48	18°44'42	9°II 29	12° 9	18°46	14° 0	21°53	4°27	18°40	1° 4	9°45	16° 5	15°54	26°30	2°18	T 11
F 12	5 21 45	19°45'43	21°36	13°43	20° 2	14°21	22° 2	4°31	18°37	1° 4	9°44	16° 5	15°50	26°36	2°20	F 12
S 13	5 25 41	20°46'45	3°II 57	15°17	21°17	14°44	22°12	4°34	18°35	1°D 4	9°43	16° 4	15°47	26°43	2°22	S 13
S 14	5 29 38	21°47'47	16°35	16°50	22°33	15° 6	22°21	4°38	18°32	1° 4	9°42	16°D 4	15°44	26°49	2°24	S 14
M15	5 33 35	22°48'51	29°34	18°24	23°48	15°29	22°30	4°41	18°29	1° 4	9°42	16° 4	15°41	26°56	2°25	M15
T 16	5 37 31	23°49'55	12°57	19°58	25° 4	15°53	22°39	4°44	18°27	1° 4	9°41	16° 4	15°38	27° 3	2°27	T 16
W17	5 41 28	24°51'01	26°46	21°32	26°19	16°17	22°48	4°47	18°24	1° 4	9°40	16° 5	15°34	27° 9	2°29	W17
T 18	5 45 24	25°52'07	11°II 2	23° 7	27°35	16°41	22°57	4°50	18°22	1° 5	9°39	16° 6	15°31	27°16	2°31	T 18
F 19	5 49 21	26°53'15	25°43	24°41	28°50	17° 5	23° 6	4°53	18°19	1° 5	9°39	16° 7	15°28	27°23	2°33	F 19
S 20	5 53 17	27°54'22	10°II 43	26°16	0° 6	17°30	23°15	4°56	18°17	1° 5	9°38	16°R 7	15°25	27°29	2°36	S 20
S 21	5 57 14	28°55'31	25°55	27°51	1°21	17°55	23°23	4°58	18°14	1° 5	9°37	16° 7	15°22	27°36	2°38	S 21
M22	6 1 10	29°56'40	11°II 9	29°26	2°37	18°21	23°32	5° 1	18°12	1° 6	9°37	16° 6	15°19	27°43	2°40	M22
T 23	6 5 7	0°57'49	26°16	1° 1	3°52	18°46	23°40	5° 4	18° 9	1° 6	9°36	16° 5	15°15	27°49	2°42	T 23
W24	6 9 4	1°58'59	11°II 7	2°37	5° 8	19°12	23°48	5° 6	18° 7	1° 6	9°35	16° 3	15°12	27°56	2°45	W24
T 25	6 13 0	3° 0'08	25°34	4°13	6°23	19°39	23°56	5° 8	18° 4	1° 7	9°35	16° 1	15° 9	28° 3	2°47	T 25
F 26	6 16 57	4° 1'18	9°II 34	5°49	7°39	20° 5	24° 4	5°10	18° 2	1° 7	9°34	15°59	15° 6	28° 9	2°50	F 26
S 27	6 20 53	5° 2'27	23° 6	7°25	8°54	20°32	24°12	5°12	18° 0	1° 8	9°33	15°57	15° 3	28°16	2°52	S 27
S 28	6 24 50	6° 3'36	6°Y 11	9° 2	10°10	21° 0	24°20	5°14	17°57	1° 8	9°33	15°D57	15° 0	28°23	2°55	S 28
M29	6 28 46	7° 4'46	18°53	10°38	11°25	21°27	24°27	5°16	17°55	1° 9	9°32	15°57	14°56	28°29	2°57	M29
T 30	6 32 43	8° 5'55	1°II 16	12°16	12°41	21°55	24°35	5°18	17°52	1° 9	9°32	15°59	14°53	28°36	3° 0	T 30
W31	6 36 39	9° 7'04	13°II 24	13°53	13°56	22°Y 23	24°42	5°20	17°II 50	1°Y 10	9°R31	16°R 0	14°II 50	28°II 42	3°II 3	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	21s45	8n14	4n52	18s43	0n43	21s 3	0n19	4n 3	0s13	6s48	1n11	0n30	2n11	23n 5	0n 4	0s53
T 2	21 54	12 33	4 18	19 11	0 36	21 18	0 16	4 12	0 10	6 52	1 11	0 29	2 11	23 5	0 4	0 53
W 3	22 3	16 17	3 32	19 38	0 29	21 32	0 14	4 22	0 8	6 56	1 11	0 27	2 12	23 4	0 4	0 53
T 4	22 12	19 16	2 38	20 5	0 21	21 46	0 12	4 31	0 6	7 0	1 11	0 26	2 12	23 4	0 4	0 53
F 5	22 20	21 23	1 37	20 30	0 14	21 59	0 9	4 40	0 3	7 3	1 11	0 24	2 12	23 4	0 4	0 53
S 6	22 27	22 32	0 33	20 55	0 7	22 12	0 7	4 50	0 1	7 7	1 11	0 23	2 12	23 4	0 5	0 53
S 7	22 35	22 40	0s33	21 18	0 0	22 23	0 5	5 0	0n 1	7 11	1 12	0 22	2 13	23 4	0 5	0 53
M 8	22 41	21 47	1 37	21 41	0s 7	22 35	0 2	5 10	0 3	7 14	1 12	0 20	2 13	23 3	0 5	0 53
T 9	22 48	19 56	2 37	22 2	0 13	22 45	0s 0	5 20	0 5	7 18	1 12	0 19	2 13	23 3	0 5	0 53
W10	22 53	17 14	3 31	22 23	0 20	22 55	0 3	5 30	0 7	7 21	1 12	0 18	2 13	23 3	0 5	0 53
T 11	22 59	13 47	4 16	22 42	0 27	23 4	0 5	5 40	0 9	7 25	1 12	0 16	2 14	23 3	0 5	0 53
F 12	23 4	9 44	4 50	23 1	0 33	23 12	0 7	5 50	0 11	7 28	1 12	0 15	2 14	23 3	0 5	0 53
S 13	23 8	5 14	5 11	23 18	0 40	23 20	0 10	6 1	0 13	7 32	1 13	0 14	2 14	23 2	0 5	0 53
S 14	23 12	0 25	5 18	23 34	0 46	23 27	0 12	6 11	0 15	7 35	1 13	0 13	2 14	23 2	0 5	0 53
M15	23 16	4s33	5 9	23 49	0 52	23 33	0 15	6 22	0 17	7 38	1 13	0 12	2 15	23 2	0 5	0 53
T 16	23 19	9 28	4 44	24 2	0 58	23 39	0 17	6 32	0 19	7 41	1 13	0 11	2 15	23 2	0 5	0 53
W17	23 21	14 5	4 1	24 15	1 4	23 44	0 19	6 43	0 20	7 45	1 13	0 10	2 15	23 2	0 5	0 53
T 18	23 24	18 3	3 3	24 26	1 9	23 48	0 22	6 54	0 22	7 48	1 13	0 9	2 16	23 1	0 5	0 53
F 19	23 25	21 0	1 51	24 36	1 15	23 51	0 24	7 5	0 24	7 51	1 14	0 8	2 16	23 1	0 5	0 53
S 20	23 26	22 34	0 30	24 44	1 20	23 54	0 26	7 16	0 25	7 54	1 14	0 7	2 16	23 1	0 5	0 52
S 21	23 27	22 29	0n54	24 51	1 25	23 55	0 29	7 27	0 27	7 57	1 14	0 6	2 16	23 1	0 5	0 52
M22	23 27	20 45	2 15	24 57	1 30	23 57	0 31	7 38	0 29	8 0	1 14	0 7	2 17	23 1	0 5	0 52
T 23	23 27	17 34	3 25	25 1	1 34	23 57	0 33	7 49	0 30	8 3	1 14	0 5	2 17	23 0	0 5	0 52
W24	23 26	13 17	4 20	25 4	1 39	23 57	0 35	8 1	0 32	8 5	1 14	0 4	2 17	23 0	0 5	0 52
T 25	23 25	8 21	4 57	25 6	1 43	23 56	0 37	8 12	0 33	8 8	1 15	0 4	2 17	23 0	0 5	0 51
F 26	23 24	3 8	5 14	25 6	1 47	23 54	0 40	8 24	0 35	8 11	1 15	0 3	2 18	23 0	0 5	0 51
S 27	23 22	2n 4	5 14	25 5	1 50	23 51	0 42	8 35	0 36	8 14	1 15	0 2	2 18	22 59	0 5	0 51
S 28	23 19	7 0	4 57	25 2	1 53	23 48	0 44	8 46	0 37	8 16	1 15	0 2	2 18	22 59	0 5	0 51
M29	23 16	11 30	4 26	24 58	1 56	23 44	0 46	8 58	0 39	8 19	1 15	0 1	2 19	22 59	0 5	0 51
T 30	23 13	15 24	3 43	24 52	1 59	23 39	0 48	9 10	0 40	8 21	1 16	0 1	2 19	22 59	0 5	0 50
W31	23s 9	18n35	2n51	24s45	2s 1	23s33	0s50	9n21	0n41	8s24	1n16	0n 1	2n19	22n59	0n 5	0s50

Julian Day Number = 2401475.5, Delta T = 8.94 sec  
 Ecliptic obliquity = 23°27'23, Nutation = 0°00'16, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 22°49'34, Lahiri = 21°56'34