



Astrodienst Ephemeris Tables for the year 2177

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 2177

geocentric

JANUARY 2177

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 44 21	10°55'11	20°31'4	25°57'50	21°58'17	3°19'19	26°12'12	17°27'27	21°32'32	1°35'35	20°59'59	0°28'28	1°40'40	25°30'30	0°6'6	W 1
T 2	6 48 18	11°56'20	2°10'10	27°19'19	21°48'48	3°59'59	26°20'20	17°28'28	21°34'34	1°36'36	20°58'58	0°28'28	1°37'37	25°37'37	0°6'6	T 2
F 3	6 52 14	12°57'30	14°13'13	28°49'49	22°17'17	4°38'38	26°29'29	17°23'23	21°35'35	1°38'38	20°57'57	0°28'28	1°34'34	25°44'44	0°5'5	F 3
S 4	6 56 11	13°58'40	26°24'24	0°31'31	22°44'44	5°18'18	26°37'37	17°22'22	21°37'37	1°39'39	20°55'55	0°30'30	1°31'31	25°50'50	0°5'5	S 4
S 5	7 0 8	14°59'49	8°48'48	1°50'50	23°10'10	5°58'58	26°46'46	17°20'20	21°39'39	1°41'41	20°54'54	0°31'31	1°28'28	25°57'57	0°5'5	S 5
M 6	7 4 4	16°0'59	21°26'26	3°21'21	23°34'34	6°37'37	26°55'55	17°19'19	21°41'41	1°43'43	20°53'53	0°32'32	1°25'25	26°4'4	0°5'5	M 6
T 7	7 8 1	17°2'08	4°22'22	4°52'52	23°56'56	7°17'17	27°4'4	17°17'17	21°43'43	1°45'45	20°52'52	0°33'33	1°21'21	26°10'10	0°4'4	T 7
W 8	7 11 57	18°3'16	17°39'39	6°24'24	24°16'16	7°57'57	27°13'13	17°16'16	21°44'44	1°46'46	20°50'50	0°34'34	1°18'18	26°17'17	0°4'4	W 8
T 9	7 15 54	19°4'25	18°19'19	7°56'56	24°34'34	8°37'37	27°22'22	17°15'15	21°46'46	1°48'48	20°49'49	0°33'33	1°15'15	26°24'24	0°4'4	T 9
F 10	7 19 50	20°5'33	15°23'23	9°29'29	24°50'50	9°17'17	27°31'31	17°14'14	21°48'48	1°50'50	20°48'48	0°33'33	1°12'12	26°30'30	0°4'4	F 10
S 11	7 23 47	21°6'41	29°51'51	11°2'2	25°4'4	9°56'56	27°41'41	17°13'13	21°50'50	1°52'52	20°46'46	0°32'32	1°9'9	26°37'37	0°4'4	S 11
S 12	7 27 43	22°7'48	14°38'38	12°35'35	25°15'15	10°36'36	27°51'51	17°13'13	21°52'52	1°54'54	20°45'45	0°30'30	1°5'5	26°44'44	0°4'4	S 12
M13	7 31 40	23°8'55	29°40'40	14°9'9	25°24'24	11°16'16	28°0'0	17°12'12	21°55'55	1°55'55	20°44'44	0°30'30	1°2'2	26°50'50	0°5'5	M13
T14	7 35 37	24°10'01	14°47'47	15°43'43	25°31'31	11°56'56	28°10'10	17°12'12	21°57'57	1°57'57	20°43'43	0°29'29	0°59'59	26°57'57	0°5'5	T14
W15	7 39 33	25°11'07	29°50'50	17°18'18	25°36'36	12°36'36	28°20'20	17°11'11	21°59'59	1°59'59	20°41'41	0°29'29	0°56'56	27°4'4	0°5'5	W15
T16	7 43 30	26°12'13	14°41'41	18°53'53	25°38'38	13°16'16	28°31'31	17°11'11	22°1'1	2°1'1	20°40'40	0°29'29	0°53'53	27°10'10	0°6'6	T16
F17	7 47 26	27°13'18	29°13'13	20°29'29	25°38'38	13°56'56	28°41'41	17°11'11	22°3'3	2°3'3	20°39'39	0°29'29	0°50'50	27°17'17	0°6'6	F17
S18	7 51 23	28°14'23	13°20'20	22°5'5	25°35'35	14°36'36	28°51'51	17°11'11	22°6'6	2°5'5	20°38'38	0°30'30	0°46'46	27°24'24	0°6'6	S18
S19	7 55 19	29°15'28	27°0'0	23°41'41	25°30'30	15°16'16	29°2'2	17°11'11	22°8'8	2°7'7	20°36'36	0°30'30	0°43'43	27°30'30	0°7'7	S19
M20	7 59 16	0°16'32	10°13'13	25°18'18	25°22'22	15°56'56	29°12'12	17°11'11	22°10'10	2°9'9	20°35'35	0°30'30	0°40'40	27°37'37	0°8'8	M20
T21	8 3 13	1°17'37	23°2'2	26°56'56	25°12'12	16°36'36	29°23'23	17°11'11	22°13'13	2°11'11	20°34'34	0°30'30	0°37'37	27°44'44	0°8'8	T21
W22	8 7 9	2°18'41	5°29'29	28°34'34	24°59'59	17°16'16	29°34'34	17°12'12	22°15'15	2°13'13	20°33'33	0°30'30	0°34'34	27°50'50	0°9'9	W22
T23	8 11 6	3°19'45	17°40'40	0°13'13	24°44'44	17°56'56	29°45'45	17°12'12	22°18'18	2°15'15	20°31'31	0°30'30	0°31'31	27°57'57	0°10'10	T23
F24	8 15 2	4°20'48	29°39'39	1°52'52	24°27'27	18°36'36	29°56'56	17°13'13	22°20'20	2°17'17	20°30'30	0°30'30	0°27'27	28°4'4	0°11'11	F24
S25	8 18 59	5°21'51	11°31'31	3°32'32	24°7'7	19°16'16	0°17'17	17°14'14	22°23'23	2°19'19	20°29'29	0°31'31	0°24'24	28°10'10	0°11'11	S25
S26	8 22 55	6°22'54	23°19'19	5°13'13	23°44'44	19°57'57	0°18'18	17°15'15	22°26'26	2°21'21	20°28'28	0°31'31	0°21'21	28°17'17	0°12'12	S26
M27	8 26 52	7°23'56	5°7'7	6°54'54	23°20'20	20°37'37	0°30'30	17°15'15	22°28'28	2°23'23	20°26'26	0°32'32	0°18'18	28°24'24	0°13'13	M27
T28	8 30 48	8°24'57	16°59'59	8°36'36	22°53'53	21°17'17	0°41'41	17°17'17	22°31'31	2°26'26	20°25'25	0°33'33	0°15'15	28°30'30	0°14'14	T28
W29	8 34 45	9°25'58	28°58'58	10°18'18	22°25'25	21°57'57	0°53'53	17°18'18	22°34'34	2°28'28	20°24'24	0°33'33	0°11'11	28°37'37	0°16'16	W29
T30	8 38 42	10°26'58	11°4'4	12°1'1	21°54'54	22°37'37	1°4'4	17°19'19	22°36'36	2°30'30	20°23'23	0°33'33	0°8'8	28°44'44	0°17'17	T30
F31	8 42 38	11°27'57	23°21'21	13°45'45	21°52'52	23°17'17	1°16'16	17°20'20	22°39'39	2°32'32	20°22'22	0°32'32	0°5'5	28°50'50	0°18'18	F31

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
W 1	22s58	22s49	0s56	23s23	0s 2	14s18	0n 5	1n 7	0s13	2s39	1s15	14n45	2s22	4s 3	0s45	11s26	0s34	21n10	0s37	20s 2	19s46	26s23	11n16	0s15			
T 2	22 53	19 30	0n 9	23 33	0 10	13 59	0 16	1 24	0 11	2 36	1 15	14 45	2 22	4 2	0 45	11 26	0 34	21 11	0 37	20 2	19 47	26 22	11 16	0 15			
F 3	22 47	15 21	1 15	23 41	0 17	13 39	0 26	1 41	0 10	2 32	1 15	14 45	2 21	4 1	0 45	11 25	0 34	21 11	0 37	20 2	19 48	26 22	11 16	0 15			
S 4	22 41	10 32	2 19	23 49	0 24	13 20	0 37	1 58	0 9	2 29	1 14	14 44	2 21	4 1	0 45	11 24	0 34	21 11	0 37	20 2	19 48	26 21	11 16	0 15			
S 5	22 34	5 13	3 17	23 55	0 31	13 1	0 48	2 15	0 7	2 25	1 14	14 44	2 21	4 0	0 45	11 24	0 34	21 11	0 37	20 1	19 49	26 21	11 16	0 15			
M 6	22 27	0n23	4 6	24 0	0 37	12 43	1 0	2 32	0 6	2 21	1 14	14 44	2 21	3 59	0 45	11 23	0 34	21 12	0 37	20 1	19 50	26 20	11 15	0 15			
T 7	22 20	6 5	4 45	24 3	0 44	12 24	1 12	2 49	0 5	2 18	1 14	14 44	2 20	3 58	0 45	11 23	0 34	21 12	0 37	20 1	19 50	26 20	11 15	0 15			
W 8	22 12	11 41	5 9	24 6	0 50	12 6	1 24	3 6	0 3	2 14	1 13	14 44	2 20	3 58	0 45	11 22	0 34	21 12	0 37	20 1	19 51	26 19	11 15	0 15			
T 9	22 4	16 52	5 17	24 7	0 56	11 48	1 37	3 23	0 2	2 10	1 13	14 44	2 20	3 57	0 45	11 21	0 34	21 12	0 36	20 1	19 52	26 19	11 15	0 15			
F 10	21 55	21 19	5 7	24 7	1 2	11 31	1 49	3 39	0 1	2 6	1 13	14 44	2 19	3 56	0 45	11 21	0 34	21 13	0 36	20 1	19 52	26 18	11 15	0 15			
S 11	21 46	24 36	4 37	24 5	1 8	11 14	2 2	3 56	0n 0	2 2	1 13	14 44	2 19	3 55	0 45	11 20	0 34	21 13	0 36	20 1	19 53	26 18	11 15	0 15			
S 12	21 36	26 19	3 48	24 2	1 13	10 58	2 16	4 13	0 1	1 58	1 13	14 44	2 19	3 54	0 45	11 19	0 34	21 13	0 36	20 1	19 54	26 17	11 15	0 15			
M13	21 26	26 8	2 43	23 58	1 19	10 42	2 29	4 30	0 3	1 54	1 13	14 44	2 19	3 54	0 45	11 19	0 34	21 13	0 36	20 2	19 55	26 17	11 15	0 15			
T14	21 16	24 2	1 26	23 53	1 24	10 26	2 43	4 46	0 4	1 50	1 12	14 44	2 18	3 53	0 45	11 18	0 34	21 14	0 36	20 2	19 55	26 16	11 15	0 15			
W15	21 5	20 13	0 4	23 46	1 29	10 11	2 57	5 3	0 5	1 46	1 12	14 45	2 18	3 52	0 45	11 17	0 34	21 14	0 36	20 2	19 56	26 15	11 15	0 15			
T16	20 53	15 10	1s18	23 38	1 33	9 57	3 12	5 20	0 6	1 42	1 12	14 45	2 18	3 51	0 45	11 17	0 34	21 14	0 36	20 2	19 57	26 15	11 15	0 15			
F17	20 42	9 21	2 33	23 28	1 38	9 44	3 26	5 36	0 7	1 37	1 12	14 45	2 17	3 50	0 45	11 16	0 34	21 14	0 36	20 2	19 57	26 14	11 15	0 16			
S18	20 30	3 13	3 36	23 17	1 42	9 31	3 41	5 53	0 8	1 33	1 12	14 45	2 17	3 49	0 45	11 15	0 34	21 15	0 36	20 2	19 58	26 14	11 15	0 16			
S 19	20 17	2s52	4 25	23 4	1 45	9 18	3 56	6 9	0 10	1 29	1 11	14 46	2 17	3 48	0 45	11 14	0 34	21 15	0 36	20 2	19 59	26 13	11 15	0 16			
M20	20 4	8 37	4 58	22 50	1 49	9 7	4 11	6 26	0 11	1 24	1 11	14 46	2 17	3 47	0 45	11 14	0 34	21 15	0 36	20 2	19 59	26 12	11 16	0 16			
T21	19 51	13 49	5 15	22 35	1 52	8 56	4 25	6 42	0 12	1 20	1 11	14 46	2 16	3 46	0 45	11 13	0 34	21 15	0 36	20 2	20 0	26 12	11 16	0 16			
W22	19 38	18 19	5 17	22 18	1 55	8 46	4 40	6 58	0 13	1 15	1 11	14 47	2 16	3 45	0 44	11 12	0 34	21 16	0 36	20 2	20 1	26 11	11 16	0 16			
T23	19 24	21 56	5 4	22 0	1 57	8 37	4 55	7 15	0 14	1 11	1 11	14 47	2 16	3 44	0 44	11 12	0 34	21 16	0 36	20 2	20 1	26 11	11 16	0 16			
F24	19 9	24 35	4 38	21 40	2 0	8 29	5 10	7 31	0 15	1 6	1 11	14 48	2 15	3 43	0 44	11 11	0 34	21 16	0 35	20 1	20 2	26 10	11 16	0 16			
S 25	18 55	26 6	4 0	21 19	2 2	8 22	5 25	7 47	0 16	1 2	1 10	14 48	2 15	3 42	0 44	11 10	0 34	21 16	0 35	20 1	20 3	26 9	11 17	0 16			
S 26	18 40	26 27	3 12	20 56	2 3	8 15	5 39	8 3	0 17	0 57	1 10	14 49	2 15	3 41	0 44	11 9	0 34	21 17	0 35	20 1	20 3	26 9	11 17	0 16			
M27	18 24	25 36	2 17	20 32	2 4	8 10	5 53	8 19	0 18	0 52	1 10	14 49	2 14	3 40	0 44	11 9	0 34	21 17	0 35	20 1	20 4	26 8	11 17	0 16			
T28	18 9	23 34	1 15	20 6	2 5	8 5	6 7	8 35	0 19	0 48	1 10	14 50	2 14	3 39	0 44	11 8	0 34	21 17	0 35	20 1	20 5	26 7	11 18	0 16			
W29	17 53	20 30	0 9	19 39	2 5	8 1	6 21	8 51	0 20	0 43	1 10	14 50	2 14	3 38	0 44	11 7	0 34	21 17	0 35	20 1	20 5	26 7	11 18	0 16			
T30	17 36	16 30	0n58	19 11	2 5	7 59	6 34	9 7	0 21	0 38	1 10	14 51	2 14	3 37	0 44	11 6	0 34	21 18	0 35	20 1	20 6	26 6	11 18	0 16			
F31	17s20	11s47	2n 3	18s40	2s 5	7s57	6n46	9n23	0n22	0s33	1s 9	14n52	2s13	3s35	0s44	11s 6	0s34	21n18	0s35	20s 1	20s 7	26s 5	11n19	0s16			

ASTRODIENST EPHEMERIS for the year 2177

geocentric

FEBRUARY 2177

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 46 35	12≈28'54	5✠49	15≈29	20°R49	23℥57	1℥28	17♁22	22✠42	2✠34	20°R20	0°R31	0≈ 2	28≈57	0♁19	S 1
S 2	8 50 31	13°29'51	18°29	17°14	20≈14	24°38	1°40	17°24	22°45	2°36	20♁19	0≈29	29♁59	29° 4	0°21	S 2
M 3	8 54 28	14°30'47	1℥23	18°59	19°39	25°18	1°52	17°25	22°47	2°38	20°18	0°27	29°56	29°10	0°22	M 3
T 4	8 58 24	15°31'41	14°30	20°45	19° 2	25°58	2° 4	17°27	22°50	2°41	20°17	0°25	29°52	29°17	0°23	T 4
W 5	9 2 21	16°32'35	27°53	22°31	18°25	26°38	2°16	17°29	22°53	2°43	20°16	0°23	29°49	29°24	0°25	W 5
T 6	9 6 17	17°33'26	11♁31	24°18	17°48	27°18	2°29	17°31	22°56	2°45	20°15	0°D22	29°46	29°30	0°26	T 6
F 7	9 10 14	18°34'17	25°26	26° 5	17°11	27°58	2°41	17°33	22°59	2°47	20°14	0°22	29°43	29°37	0°28	F 7
S 8	9 14 11	19°35'06	9Ⅱ36	27°52	16°34	28°39	2°53	17°36	23° 2	2°50	20°13	0°23	29°40	29°44	0°30	S 8
S 9	9 18 7	20°35'54	24° 0	29°40	15°58	29°19	3° 6	17°38	23° 5	2°52	20°11	0°25	29°37	29°50	0°31	S 9
M10	9 22 4	21°36'40	8♁35	1✠27	15°22	29°59	3°19	17°41	23° 8	2°54	20°10	0°26	29°33	29°57	0°33	M10
T 11	9 26 0	22°37'25	23°17	3°15	14°47	0♁39	3°31	17°43	23°11	2°56	20° 9	0°R27	29°30	0♁ 4	0°35	T 11
W12	9 29 57	23°38'08	8♁ 0	5° 2	14°14	1°19	3°44	17°46	23°14	2°59	20° 8	0°27	29°27	0°10	0°37	W12
T 13	9 33 53	24°38'50	22°36	6°48	13°42	1°59	3°57	17°49	23°17	3° 1	20° 7	0°26	29°24	0°17	0°39	T 13
F 14	9 37 50	25°39'30	7Ⅱ0	8°33	13°11	2°40	4°10	17°52	23°21	3° 3	20° 6	0°23	29°21	0°24	0°41	F 14
S 15	9 41 46	26°40'09	21° 5	10°18	12°43	3°20	4°23	17°55	23°24	3° 5	20° 5	0°19	29°17	0°30	0°43	S 15
S 16	9 45 43	27°40'47	4Ⅱ48	12° 0	12°16	4° 0	4°36	17°58	23°27	3° 8	20° 4	0°15	29°14	0°37	0°45	S 16
M17	9 49 40	28°41'24	18° 7	13°41	11°52	4°40	4°49	18° 1	23°30	3°10	20° 3	0°11	29°11	0°44	0°47	M17
T 18	9 53 36	29°42'00	1Ⅱ1	15°19	11°29	5°20	5° 2	18° 4	23°33	3°12	20° 2	0° 7	29° 8	0°50	0°49	T 18
W19	9 57 33	0✠42'34	13°34	16°54	11° 9	6° 0	5°15	18° 8	23°36	3°14	20° 1	0° 4	29° 5	0°57	0°51	W19
T 20	10 1 29	1°43'07	25°49	18°26	10°52	6°40	5°28	18°11	23°40	3°17	20° 1	0° 3	29° 2	1° 4	0°53	T 20
F 21	10 5 26	2°43'39	7♁49	19°54	10°37	7°20	5°42	18°15	23°43	3°19	20° 0	0°D 3	28°58	1°10	0°56	F 21
S 22	10 9 22	3°44'10	19°41	21°17	10°24	8° 0	5°55	18°19	23°46	3°21	19°59	0° 4	28°55	1°17	0°58	S 22
S 23	10 13 19	4°44'39	1♁29	22°34	10°14	8°40	6° 8	18°22	23°49	3°24	19°58	0° 5	28°52	1°24	1° 0	S 23
M24	10 17 15	5°45'07	13°19	23°45	10° 6	9°20	6°22	18°26	23°53	3°26	19°57	0° 7	28°49	1°30	1° 3	M24
T 25	10 21 12	6°45'34	25°14	24°50	10° 1	10° 0	6°36	18°30	23°56	3°28	19°56	0°R 8	28°46	1°37	1° 5	T 25
W26	10 25 9	7°45'59	7≈18	25°47	9°58	10°41	6°49	18°34	23°59	3°30	19°55	0° 8	28°43	1°44	1° 8	W26
T 27	10 29 5	8°46'23	19°36	26°37	9°D58	11°21	7° 3	18°38	24° 3	3°33	19°55	0° 6	28°39	1°50	1°10	T 27
F 28	10 33 2	9✠46'45	2✠7	27✠17	10≈0	12♁ 1	7℥16	18♁43	24✠6	3✠35	19♁54	0≈ 2	28♁36	1♁57	1♁13	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
S 1	17s 3	6s32	3n 3	18s 9	2s 4	7s56	6n58	9n38	0n23	0s29	1s 9	14n52	2s13	3s34	0s44	11s 5	0s34	21n18	0s35	20s 1	20s 8	26s 4	11n19	0s16	
S 2	16 45	0 56	3 55	17 36	2 2	7 56	7 9	9 54	0 24	0 24	1 9	14 53	2 13	3 33	0 44	11 4	0 34	21 18	0 35	20 2	20 8	26 4	11 19	0 17	
M 3	16 28	4n47	4 37	17 1	2 0	7 57	7 19	10 10	0 25	0 19	1 9	14 54	2 12	3 32	0 44	11 3	0 34	21 19	0 35	20 2	20 9	26 3	11 20	0 17	
T 4	16 10	10 23	5 4	16 25	1 58	7 59	7 29	10 25	0 25	0 14	1 9	14 55	2 12	3 31	0 44	11 2	0 34	21 19	0 35	20 3	20 10	26 2	11 20	0 17	
W 5	15 52	15 37	5 16	15 48	1 55	8 1	7 38	10 40	0 26	0 9	1 9	14 56	2 12	3 30	0 44	11 2	0 34	21 19	0 35	20 3	20 10	26 2	11 21	0 17	
T 6	15 33	20 11	5 10	15 9	1 51	8 5	7 46	10 56	0 27	0 4	1 9	14 56	2 12	3 29	0 44	11 1	0 34	21 19	0 35	20 3	20 11	26 1	11 21	0 17	
F 7	15 15	23 44	4 47	14 29	1 47	8 9	7 53	11 11	0 28	0n 1	1 8	14 57	2 11	3 27	0 44	11 0	0 34	21 20	0 35	20 3	20 12	26 0	11 22	0 17	
S 8	14 56	25 55	4 5	13 48	1 42	8 13	7 59	11 26	0 29	0 6	1 8	14 58	2 11	3 26	0 44	10 59	0 34	21 20	0 34	20 3	20 12	25 59	11 22	0 17	
S 9	14 37	26 25	3 8	13 6	1 37	8 19	8 5	11 41	0 30	0 11	1 8	14 59	2 11	3 25	0 44	10 58	0 34	21 20	0 34	20 3	20 13	25 59	11 23	0 17	
M10	14 17	25 6	1 58	12 22	1 31	8 25	8 9	11 56	0 31	0 16	1 8	15 0	2 10	3 24	0 44	10 58	0 34	21 20	0 34	20 2	20 14	25 58	11 23	0 17	
T 11	13 58	22 4	0 39	11 37	1 24	8 31	8 12	12 11	0 31	0 22	1 8	15 1	2 10	3 23	0 44	10 57	0 34	21 21	0 34	20 2	20 14	25 57	11 24	0 17	
W12	13 38	17 35	0s41	10 51	1 17	8 39	8 15	12 26	0 32	0 27	1 8	15 2	2 10	3 21	0 44	10 56	0 34	21 21	0 34	20 2	20 15	25 56	11 25	0 17	
T 13	13 18	12 5	1 59	10 4	1 9	8 46	8 16	12 40	0 33	0 32	1 8	15 3	2 10	3 20	0 44	10 55	0 34	21 21	0 34	20 2	20 16	25 56	11 25	0 17	
F 14	12 57	6 2	3 8	9 17	1 0	8 54	8 17	12 55	0 34	0 37	1 8	15 4	2 9	3 19	0 44	10 54	0 34	21 21	0 34	20 3	20 16	25 55	11 26	0 17	
S 15	12 37	0s12	4 3	8 29	0 51	9 2	8 16	13 9	0 34	0 42	1 7	15 5	2 9	3 18	0 44	10 54	0 34	21 21	0 34	20 4	20 17	25 54	11 26	0 17	
S 16	12 16	6 14	4 43	7 41	0 41	9 10	8 15	13 24	0 35	0 48	1 7	15 6	2 9	3 16	0 44	10 53	0 34	21 22	0 34	20 5	20 17	25 53	11 27	0 17	
M17	11 55	11 49	5 7	6 52	0 30	9 18	8 13	13 38	0 36	0 53	1 7	15 8	2 8	3 15	0 44	10 52	0 34	21 22	0 34	20 6	20 18	25 52	11 28	0 17	
T 18	11 34	16 43	5 13	6 4	0 18	9 27	8 11	13 52	0 37	0 58	1 7	15 9	2 8	3 14	0 44	10 51	0 34	21 22	0 34	20 6	20 19	25 52	11 28	0 18	
W19	11 13	20 44	5 5	5 15	0 6	9 35	8 7	14 6	0 37	1 3	1 7	15 10	2 8	3 12	0 44	10 50	0 34	21 22	0 34	20 7	20 19	25 51	11 29	0 18	
T 20	10 51	23 46	4 43	4 28	0n 7	9 44	8 3	14 20	0 38	1 9	1 7	15 11	2 8	3 11	0 44	10 50	0 34	21 22	0 34	20 7	20 20	25 50	11 30	0 18	
F 21	10 30	25 40	4 8	3 41	0 20	9 52	7 59	14 34	0 39	1 14	1 7	15 12	2 7	3 10	0 44	10 49	0 34	21 23	0 34	20 7	20 21	25 49	11 31	0 18	
S 22	10 8	26 24	3 23	2 56	0 34	10 0	7 54	14 47	0 40	1 20	1 7	15 14	2 7	3 9	0 44	10 48	0 34	21 23	0 33	20 7	20 21	25 48	11 31	0 18	
S 23	9 46	25 55	2 30	2 12	0 48	10 9	7 48	15 1	0 40	1 25	1 7	15 15	2 7	3 7	0 44	10 47	0 34	21 23	0 33	20 7	20 22	25 47	11 32	0 18	
M24	9 24	24 15	1 31	1 31	1 3	10 17	7 42	15 14	0 41	1 30	1 7	15 16	2 7	3 6	0 44	10 46	0 34	21 23	0 33	20 6	20 23	25 46	11 33	0 18	
T 25	9 1	21 31	0 27	0 51	1 18	10 24	7 35	15 28	0 42	1 36	1 6	15 18	2 6	3 5	0 44	10 45	0 34	21 23	0 33	20 6	20 23	25 46	11 34	0 18	
W26	8 39	17 48	0n39	0 15	1 33	10 32	7 28	15 41	0 42	1 41	1 6	15 19	2 6	3 3	0 44	10 45	0 34	21 24	0 33	20 6	20 24	25 45	11 35	0 18	
T 27	8 16	13 17	1 44	0n18	1 48	10 39	7 20	15 54	0 43	1 47	1 6	15 20	2 6	3 2	0 44	10 44	0 34	21 24	0 33	20 7	20 25	25 44	11 35	0 18	
F 28	7s54	8s 8	2n45	0n48	2n 3	10s46	7n13	16n 7	0n43	1n52	1s 6	15n22	2s 6	3s 1	0s44	10s43	0s34	21n24	0s33	20s 7	20s25	25s43	11n36	0s18	

Julian Day Number = 2516224.5, Delta T = 142.24 sec

Ecliptic obliquity = 23°25'03, Nutation = 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 27°12'54, Lahiri = 26°19'54

ASTRODIENST EPHEMERIS for the year 2177
geocentric

MARCH 2177

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 36 58	10♈47'06	14♈55	27♈49	10♈4	12♈41	7♈30	18♈47	24♈9	3♈37	19♈53	29♈57	28♈33	2♈4	1♈16	S 1
S 2	10 40 55	11°47'24	27°58	28°11	10°11	13°21	7°44	18°51	24°13	3°39	19°52	29°50	28°30	2°10	1°18	S 2
M 3	10 44 51	12°47'41	11°15	28°24	10°20	14°1	7°58	18°56	24°16	3°42	19°52	29°42	28°27	2°17	1°21	M 3
T 4	10 48 48	13°47'56	24°45	28°R28	10°31	14°41	8°12	19°1	24°20	3°44	19°51	29°35	28°23	2°24	1°24	T 4
W 5	10 52 44	14°48'09	8♌26	28°21	10°44	15°20	8°26	19°5	24°23	3°46	19°50	29°28	28°20	2°30	1°27	W 5
T 6	10 56 41	15°48'20	22°16	28°6	11°0	16°0	8°40	19°10	24°26	3°48	19°50	29°24	28°17	2°37	1°29	T 6
F 7	11 0 37	16°48'30	6♊14	27°42	11°17	16°40	8°54	19°15	24°30	3°51	19°49	29°21	28°14	2°44	1°32	F 7
S 8	11 4 34	17°48'37	20°18	27°9	11°36	17°20	9°8	19°20	24°33	3°53	19°48	29°D21	28°11	2°50	1°35	S 8
S 9	11 8 31	18°48'42	4♌27	26°29	11°57	18°0	9°22	19°25	24°37	3°55	19°48	29°22	28°8	2°57	1°38	S 9
M10	11 12 27	19°48'44	18°40	25°43	12°20	18°40	9°36	19°30	24°40	3°57	19°47	29°23	28°4	3°4	1°41	M10
T 11	11 16 24	20°48'45	2♌55	24°51	12°45	19°20	9°50	19°35	24°43	4°0	19°47	29°R23	28°1	3°10	1°44	T 11
W12	11 20 20	21°48'43	17°10	23°56	13°12	20°0	10°4	19°40	24°47	4°2	19°46	29°22	27°58	3°17	1°47	W12
T 13	11 24 17	22°48'40	1♏20	22°58	13°40	20°40	10°18	19°46	24°50	4°4	19°46	29°18	27°55	3°24	1°50	T 13
F 14	11 28 13	23°48'34	15°21	21°59	14°9	21°19	10°32	19°51	24°54	4°6	19°45	29°12	27°52	3°30	1°53	F 14
S 15	11 32 10	24°48'26	29°10	21°0	14°40	21°59	10°47	19°56	24°57	4°8	19°45	29°3	27°48	3°37	1°56	S 15
S 16	11 36 6	25°48'16	12♌43	20°2	15°13	22°39	11°1	20°2	25°1	4°10	19°44	28°54	27°45	3°44	2°0	S 16
M17	11 40 3	26°48'05	25°56	19°7	15°47	23°19	11°15	20°8	25°4	4°13	19°44	28°43	27°42	3°50	2°3	M17
T 18	11 44 0	27°47'52	8♏49	18°16	16°23	23°58	11°30	20°13	25°7	4°15	19°44	28°34	27°39	3°57	2°6	T 18
W19	11 47 56	28°47'37	21°22	17°29	16°59	24°38	11°44	20°19	25°11	4°17	19°43	28°26	27°36	4°4	2°9	W19
T 20	11 51 53	29°47'20	3♌78	16°47	17°37	25°18	11°58	20°25	25°14	4°19	19°43	28°20	27°33	4°10	2°12	T 20
F 21	11 55 49	0♈47'01	15°40	16°11	18°16	25°58	12°13	20°31	25°18	4°21	19°43	28°17	27°29	4°17	2°16	F 21
S 22	11 59 46	1°46'41	27°32	15°40	18°57	26°37	12°27	20°37	25°21	4°23	19°42	28°D15	27°26	4°23	2°19	S 22
S 23	12 3 42	2°46'20	9♌21	15°16	19°38	27°17	12°41	20°43	25°25	4°25	19°42	28°15	27°23	4°30	2°22	S 23
M24	12 7 39	3°45'56	21°11	14°57	20°20	27°57	12°56	20°49	25°28	4°27	19°42	28°16	27°20	4°37	2°26	M24
T 25	12 11 35	4°45'31	3♏8	14°45	21°4	28°36	13°10	20°55	25°31	4°29	19°42	28°R16	27°17	4°43	2°29	T 25
W26	12 15 32	5°45'03	15°16	14°39	21°48	29°16	13°25	21°1	25°35	4°31	19°41	28°14	27°14	4°50	2°33	W26
T 27	12 19 29	6°44'34	27°41	14°D39	22°34	29°55	13°39	21°7	25°38	4°33	19°41	28°11	27°10	4°57	2°36	T 27
F 28	12 23 25	7°44'04	10♈24	14°45	23°20	0♊35	13°54	21°14	25°42	4°35	19°41	28°4	27°7	5°3	2°40	F 28
S 29	12 27 22	8°43'31	23°28	14°56	24°7	1°14	14°8	21°20	25°45	4°37	19°41	27°55	27°4	5°10	2°43	S 29
S 30	12 31 18	9°42'56	6♈52	15°12	24°55	1°54	14°23	21°26	25°48	4°39	19°41	27°45	27°1	5°17	2°47	S 30
M31	12 35 15	10°42'19	20°V35	15°34	25°44	2♊34	14°V37	21°833	25°52	4°41	19°41	27°33	26°58	5°23	2°50	M31

Day	☉	☽		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	7s31	2s34	3n39	1n14	2n17	10s53	7n 5	16n20	0n44	1n58	1s 6	15n23	2s 5	2s59	0s44	10s42	0s34	21n24	0s33	20s 9	20s26	25s42	11n37	0s18	
S 2	7 8	3n12	4 23	1 35	2 31	10 59	6 56	16 32	0 45	2 3	1 6	15 25	2 5	2 58	0 44	10 41	0 34	21 24	0 33	20 10	20 27	25 41	11 38	0 18	
M 3	6 45	8 56	4 53	1 53	2 44	11 5	6 48	16 45	0 45	2 9	1 6	15 26	2 5	2 57	0 44	10 41	0 34	21 25	0 33	20 12	20 27	25 40	11 39	0 18	
T 4	6 22	14 21	5 7	2 5	2 56	11 10	6 39	16 57	0 46	2 14	1 6	15 28	2 5	2 55	0 44	10 40	0 34	21 25	0 33	20 13	20 28	25 39	11 40	0 18	
W 5	5 59	19 7	5 5	2 13	3 7	11 16	6 30	17 10	0 46	2 20	1 6	15 29	2 4	2 54	0 44	10 39	0 34	21 25	0 33	20 15	20 29	25 38	11 41	0 18	
T 6	5 36	22 54	4 45	2 15	3 17	11 20	6 21	17 22	0 47	2 25	1 6	15 31	2 4	2 53	0 44	10 38	0 34	21 25	0 33	20 15	20 29	25 37	11 42	0 19	
F 7	5 12	25 23	4 7	2 13	3 25	11 24	6 12	17 34	0 48	2 31	1 6	15 32	2 4	2 51	0 44	10 37	0 34	21 25	0 33	20 16	20 30	25 37	11 42	0 19	
S 8	4 49	26 18	3 15	2 6	3 31	11 28	6 3	17 46	0 48	2 37	1 6	15 34	2 4	2 50	0 44	10 37	0 34	21 25	0 32	20 16	20 30	25 36	11 43	0 19	
S 9	4 25	25 31	2 10	1 54	3 36	11 31	5 54	17 57	0 49	2 42	1 6	15 35	2 3	2 48	0 44	10 36	0 34	21 26	0 32	20 16	20 31	25 35	11 44	0 19	
M10	4 2 23	4 0	5 7	1 38	3 38	11 34	5 44	18 9	0 49	2 48	1 5	15 37	2 3	2 47	0 44	10 35	0 34	21 26	0 32	20 16	20 32	25 34	11 45	0 19	
T 11	3 38	19 11	0s19	1 18	3 39	11 36	5 35	18 21	0 50	2 53	1 5	15 38	2 3	2 46	0 44	10 34	0 34	21 26	0 32	20 16	20 32	25 33	11 46	0 19	
W12	3 15	14 11	1 34	0 55	3 37	11 38	5 25	18 32	0 50	2 59	1 5	15 40	2 3	2 44	0 44	10 33	0 34	21 26	0 32	20 16	20 33	25 32	11 47	0 19	
T 13	2 51	8 27	2 43	0 29	3 34	11 39	5 16	18 43	0 51	3 5	1 5	15 42	2 2	2 43	0 44	10 33	0 34	21 26	0 32	20 17	20 34	25 31	11 48	0 19	
F 14	2 27	2 22	3 41	0 1	3 28	11 40	5 7	18 54	0 51	3 10	1 5	15 43	2 2	2 42	0 44	10 32	0 34	21 26	0 32	20 18	20 34	25 30	11 49	0 19	
S 15	2 4	3s43	4 25	0s29	3 21	11 40	4 57	19 5	0 52	3 16	1 5	15 45	2 2	2 40	0 44	10 31	0 34	21 26	0 32	20 20	20 35	25 29	11 50	0 19	
S 16	1 40	9 31	4 53	1 0	3 11	11 40	4 48	19 16	0 52	3 21	1 5	15 47	2 2	2 39	0 44	10 30	0 34	21 27	0 32	20 22	20 35	25 28	11 51	0 19	
M17	1 16	14 44	5 4	1 32	3 1	11 39	4 38	19 26	0 53	3 27	1 5	15 48	2 2	2 38	0 44	10 30	0 34	21 27	0 32	20 24	20 36	25 27	11 52	0 19	
T 18	0 53	19 9	5 0	2 3	2 49	11 38	4 29	19 36	0 53	3 33	1 5	15 50	2 1	2 36	0 44	10 29	0 35	21 27	0 32	20 26	20 37	25 26	11 53	0 19	
W19	0 29	22 36	4 41	2 33	2 36	11 36	4 20	19 47	0 54	3 38	1 5	15 52	2 1	2 35	0 44	10 28	0 35	21 27	0 32	20 27	20 37	25 25	11 54	0 19	
T 20	0 5	24 56	4 9	3 2	2 22	11 33	4 11	19 57	0 54	3 44	1 5	15 54	2 1	2 33	0 44	10 27	0 35	21 27	0 32	20 29	20 38	25 24	11 56	0 19	
F 21	0n19	26 5	3 27	3 29	2 8	11 30	4 1	20 7	0 55	3 50	1 5	15 55	2 1	2 32	0 44	10 27	0 35	21 27	0 31	20 29	20 39	25 23	11 57	0 19	
S 22	0 42	26 0	2 36	3 55	1 53	11 27	3 52	20 16	0 55	3 55	1 5	15 57	2 0	2 31	0 44	10 26	0 35	21 27	0 31	20 30	20 39	25 22	11 58	0 20	
S 23	1 6	24 44	1 39	4 18	1 37	11 23	3 43	20 26	0 55	4 1	1 5	15 59	2 0	2 29	0 44	10 25	0 35	21 27	0 31	20 30	20 40	25 21	11 59	0 20	
M24	1 30	22 22	0 38	4 39	1 22	11 18	3 34	20 35	0 56	4 7	1 5	16 1	2 0	2 28	0 44	10 24	0 35	21 27	0 31	20 29	20 40	25 20	12 0	0 20	
T 25	1 53	19 1	0n26	4 58	1 7	11 13	3 26	20 45	0 56	4 12	1 5	16 2	2 0	2 27	0 44	10 24	0 35	21 28	0 31	20 29	20 41	25 19	12 1	0 20	
W26	2 17	14 49	1 29	5 14	0 52	11 7	3 17	20 54	0 57	4 18	1 5	16 4	2 0	2 25	0 44	10 23	0 35	21 28	0 31	20 30	20 42	25 18	12 2	0 20	
T 27	2 40	9 55	2 30	5 28	0 37	11 1	3 8	21 3	0 57	4 23	1 5	16 6	1 59	2 24	0 44	10 22	0 35	21 28	0 31	20 30	20 42	25 16	12 3	0 20	
F 28	3 4	4 30	3 24	5 39	0 23	10 54	2 59	21 11	0 57	4 29	1 5	16 8	1 59	2 23	0 44	10 21	0 35	21 28	0 31	20 32	20 43	25 15	12 4	0 20	
S 29	3 27	1n14	4 9	5 48	0 9	10 47	2 51	21 20	0 58	4 35	1 5	16 10	1 59	2 21	0 44	10 21	0 35	21 28	0 31	20 33	20 44	25 14	12 5	0 20	
S 30	3 51	7 3	4 42	5 54	0s 5	10 39	2 43	21 28	0 58	4 40	1 5	16 11	1 59	2 20	0 44	10 20	0 35	21 28	0 31	20 36	20 44	25 13	12 7	0 20	
M31	4n14	12n39	4n59	5s58	0s18	10s31	2n34	21n37	0n59	4n46	1s 5	16n13	1s59	2s19	0s44	10s19	0s35	21n28	0s31	20s38	20s45	25s12	12n 8	0s20	

ASTRODIENST EPHEMERIS for the year 2177

geocentric

APRIL 2177

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 39 11	11°41'41	48°32	16°30	26°33	3°11	14°52	21°39	25°55	4°43	19°41	27°21	26°54	5°30	2°54	T 1
W 2	12 43 8	12°41'00	18°39	16°31	27°23	3°53	15° 6	21°46	25°58	4°45	19°41	27°31	26°51	5°37	2°57	W 2
T 3	12 47 4	13°40'17	2°11	17° 5	28°14	4°32	15°21	21°53	26° 2	4°47	19°41	27° 3	26°48	5°43	3° 1	T 3
F 4	12 51 1	14°39'31	17° 6	17°44	29° 6	5°11	15°35	21°59	26° 5	4°49	19°41	26°58	26°45	5°50	3° 4	F 4
S 5	12 54 58	15°38'44	1°58	18°27	29°58	5°51	15°50	22° 6	26° 8	4°51	19°41	26°56	26°42	5°57	3° 8	S 5
S 6	12 58 54	16°37'54	15°26	19°13	0°51	6°30	16° 4	22°13	26°11	4°52	19°41	26°55	26°39	6° 3	3°12	S 6
M 7	13 2 51	17°37'02	29°29	20° 3	1°44	7°10	16°19	22°20	26°15	4°54	19°41	26°55	26°35	6°10	3°15	M 7
T 8	13 6 47	18°36'07	13°26	20°56	2°38	7°49	16°33	22°27	26°18	4°56	19°41	26°55	26°32	6°17	3°19	T 8
W 9	13 10 44	19°35'10	27°17	21°52	3°33	8°28	16°48	22°33	26°21	4°58	19°41	26°52	26°29	6°23	3°23	W 9
T 10	13 14 40	20°34'11	11°19	22°51	4°28	9° 8	17° 2	22°40	26°24	5° 0	19°42	26°47	26°26	6°30	3°26	T 10
F 11	13 18 37	21°33'09	24°37	23°53	5°23	9°47	17°17	22°47	26°28	5° 1	19°42	26°38	26°23	6°37	3°30	F 11
S 12	13 22 33	22°32'05	8°21	24°57	6°20	10°26	17°31	22°54	26°31	5° 3	19°42	26°28	26°20	6°43	3°34	S 12
S 13	13 26 30	23°31'00	21°14	26° 4	7°16	11° 6	17°46	23° 1	26°34	5° 5	19°42	26°15	26°16	6°50	3°37	S 13
M14	13 30 27	24°29'52	4°11	27°13	8°13	11°45	18° 0	23° 9	26°37	5° 6	19°43	26° 2	26°13	6°57	3°41	M14
T 15	13 34 23	25°28'42	16°54	28°24	9°11	12°24	18°15	23°16	26°40	5° 8	19°43	25°49	26°10	7° 3	3°45	T 15
W16	13 38 20	26°27'31	29°20	29°38	10° 9	13° 3	18°29	23°23	26°43	5°10	19°43	25°38	26° 7	7°10	3°49	W16
T 17	13 42 16	27°26'18	11°32	0°54	11° 7	13°42	18°44	23°30	26°46	5°11	19°44	25°30	26° 4	7°16	3°52	T 17
F 18	13 46 13	28°25'03	23°32	2°12	12° 6	14°22	18°58	23°37	26°49	5°13	19°44	25°24	26° 0	7°23	3°56	F 18
S 19	13 50 9	29°23'46	5°32	3°32	13° 5	15° 1	19°12	23°45	26°52	5°14	19°44	25°21	25°57	7°30	4° 0	S 19
S 20	13 54 6	0°22'27	17°12	4°54	14° 5	15°40	19°27	23°52	26°55	5°16	19°45	25°20	25°54	7°36	4° 4	S 20
M21	13 58 2	1°21'07	29° 2	6°18	15° 5	16°19	19°41	23°59	26°58	5°17	19°45	25°20	25°51	7°43	4° 7	M21
T 22	14 1 59	2°19'45	10°59	7°44	16° 5	16°58	19°55	24° 7	27° 1	5°19	19°46	25°19	25°48	7°50	4°11	T 22
W23	14 5 56	3°18'21	23° 8	9°11	17° 6	17°37	20°10	24°14	27° 4	5°20	19°46	25°18	25°45	7°56	4°15	W23
T 24	14 9 52	4°16'56	5°34	10°41	18° 6	18°16	20°24	24°22	27° 7	5°21	19°47	25°15	25°41	8° 3	4°19	T 24
F 25	14 13 49	5°15'29	18°23	12°12	19° 8	18°55	20°38	24°29	27°10	5°23	19°47	25° 9	25°38	8°10	4°22	F 25
S 26	14 17 45	6°14'00	1°35	13°45	20° 9	19°34	20°53	24°37	27°13	5°24	19°48	25° 0	25°35	8°16	4°26	S 26
S 27	14 21 42	7°12'30	15°13	15°20	21°11	20°13	21° 7	24°44	27°16	5°25	19°48	24°50	25°32	8°23	4°30	S 27
M28	14 25 38	8°10'58	29°14	16°57	22°13	20°52	21°21	24°52	27°19	5°27	19°49	24°39	25°29	8°30	4°34	M28
T 29	14 29 35	9° 9'24	13°34	18°35	23°16	21°31	21°35	24°59	27°21	5°28	19°50	24°27	25°25	8°36	4°37	T 29
W30	14 33 31	10° 7'49	28° 7	20°15	24°18	22°10	21°49	25° 7	27°24	5°29	19°50	24°17	25°22	8°43	4°41	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	4n37	17n43	4n59	5s59	0s30	10s22	2n26	21n45	0n59	4n52	1s 5	16n15	1s59	2s17	0s44	10s19
W 2	5 0	21 51	4 4n51	5 58	0 42	10 12	2 18	21 53	0 59	4 57	1 5	16 17	1 58	2 16	0 44	10 18
T 3	5 23	24 43	4 5	5 55	0 54	10 3	2 10	22 0	1 0	5 3	1 4	16 19	1 58	2 15	0 44	10 17
F 4	5 46	26 1	3 14	5 50	1 5	9 52	2 2	22 8	1 0	5 8	1 4	16 21	1 58	2 13	0 44	10 17
S 5	6 9	25 36	2 11	5 43	1 15	9 41	1 54	22 15	1 0	5 14	1 4	16 23	1 58	2 12	0 44	10 16
S 6	6 32	23 32	1 1	5 34	1 25	9 30	1 47	22 22	1 1	5 19	1 4	16 24	1 58	2 11	0 44	10 15
M 7	6 55	20 1	0s14	5 22	1 34	9 18	1 39	22 29	1 1	5 25	1 4	16 26	1 58	2 10	0 44	10 15
T 8	7 17	15 24	1 26	5 9	1 42	9 6	1 32	22 36	1 1	5 31	1 4	16 28	1 57	2 8	0 44	10 14
W 9	7 39	10 0	2 33	4 55	1 50	8 53	1 24	22 43	1 2	5 36	1 4	16 30	1 57	2 7	0 44	10 13
T 10	8 2	4 11	3 31	4 38	1 58	8 40	1 17	22 49	1 2	5 42	1 4	16 32	1 57	2 6	0 44	10 13
F 11	8 24	1s46	4 15	4 20	2 4	8 26	1 10	22 55	1 2	5 47	1 4	16 34	1 57	2 5	0 44	10 12
S 12	8 46	7 33	4 45	4 4	2 11	8 12	1 3	23 2	1 3	5 53	1 4	16 36	1 57	2 3	0 44	10 12
S 13	9 7	12 54	4 59	3 39	2 16	7 58	0 56	23 7	1 3	5 58	1 4	16 38	1 57	2 2	0 44	10 11
M14	9 29	17 34	4 57	3 16	2 21	7 43	0 49	23 13	1 3	6 4	1 4	16 40	1 57	2 1	0 44	10 11
T 15	9 51	21 21	4 40	2 52	2 26	7 28	0 43	23 19	1 3	6 9	1 4	16 42	1 56	2 0	0 44	10 10
W16	10 12	24 4	4 11	2 26	2 30	7 12	0 36	23 24	1 4	6 15	1 4	16 43	1 56	1 58	0 44	10 9
T 17	10 33	25 36	3 30	1 59	2 33	6 56	0 30	23 29	1 4	6 20	1 4	16 45	1 56	1 57	0 44	10 9
F 18	10 54	25 55	2 40	1 30	2 36	6 39	0 24	23 34	1 4	6 26	1 5	16 47	1 56	1 56	0 44	10 8
S 19	11 15	25 2	1 44	1 1	2 38	6 22	0 18	23 39	1 5	6 31	1 5	16 49	1 56	1 55	0 44	10 8
S 20	11 36	23 1	0 43	0 30	2 40	6 5	0 12	23 43	1 5	6 36	1 5	16 51	1 56	1 54	0 44	10 7
M21	11 56	20 1	0n20	0n 2	2 41	5 47	0 6	23 48	1 5	6 42	1 5	16 53	1 56	1 52	0 44	10 7
T 22	12 16	16 9	1 22	0 35	2 41	5 29	0 0	23 52	1 5	6 47	1 5	16 55	1 56	1 51	0 44	10 6
W23	12 36	11 34	2 22	1 10	2 42	5 11	0s 6	23 56	1 6	6 53	1 5	16 57	1 55	1 50	0 44	10 6
T 24	12 56	6 25	3 16	1 45	2 41	4 52	0 11	24 0	1 6	6 58	1 5	16 59	1 55	1 49	0 44	10 5
F 25	13 16	0 53	4 2	2 22	2 40	4 33	0 16	24 3	1 6	7 3	1 5	17 1	1 55	1 48	0 44	10 5
S 26	13 35	4n52	4 37	2 59	2 39	4 14	0 22	24 6	1 6	7 9	1 5	17 3	1 55	1 47	0 44	10 4
S 27	13 54	10 33	4 57	3 38	2 36	3 54	0 27	24 10	1 6	7 14	1 5	17 5	1 55	1 46	0 44	10 4
M28	14 13	15 52	5 0	4 17	2 34	3 34	0 32	24 13	1 7	7 19	1 5	17 6	1 55	1 45	0 44	10 3
T 29	14 32	20 25	4 45	4 57	2 31	3 14	0 37	24 15	1 7	7 24	1 5	17 8	1 55	1 43	0 44	10 3
W30	14n51	23n48	4n11	5n38	2s27	2s54	0s41	24n18	1n 7	7n30	1s 5	17n10	1s55	1s42	0s44	10s 2

Julian Day Number = 2516283.5, Delta T = 142.37 sec
 Ecliptic obliquity = 23°25'03, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°13'02, Lahiri = 26°20'02

ASTRODIENST EPHEMERIS for the year 2177

geocentric

MAY 2177

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 37 28	11° 8' 6" 11	12° 46' 12	21° 57' 21	25° 57' 21	22° 49' 22	22° 49' 22	25° 14' 25	27° 27' 27	5° 30' 5	19° 55' 19	24° 10' 24	25° 19' 25	8° 50' 8	4° 45' 4	T 1
F 2	14 41 25	12° 4' 32	27° 23' 27	23° 41' 23	26° 24' 26	23° 28' 23	22° 17' 22	25° 22' 25	27° 29' 27	5° 32' 5	19° 52' 19	24° 5' 24	25° 16' 25	8° 56' 8	4° 49' 4	F 2
S 3	14 45 21	13° 2' 50	11° 53' 11	25° 26' 25	27° 28' 27	24° 7' 22	22° 31' 22	25° 30' 25	27° 32' 27	5° 33' 5	19° 52' 19	24° 2' 24	25° 13' 25	9° 3' 8	4° 53' 4	S 3
S 4	14 49 18	14° 1' 07	26° 12' 26	27° 14' 27	28° 31' 28	24° 46' 24	22° 45' 22	25° 37' 25	27° 35' 27	5° 34' 5	19° 53' 19	24° 0' 24	25° 10' 25	9° 10' 8	4° 56' 4	S 4
M 5	14 53 14	14° 59' 21	10° 19' 10	29° 3' 29	29° 35' 29	25° 24' 25	22° 59' 22	25° 45' 25	27° 37' 27	5° 35' 5	19° 54' 19	24° 0' 24	25° 6' 25	9° 16' 8	5° 0' 4	M 5
T 6	14 57 11	15° 57' 33	24° 12' 24	0° 53' 0	0° 39' 0	26° 3' 26	23° 13' 23	25° 53' 25	27° 40' 27	5° 36' 5	19° 55' 19	24° 2' 24	25° 3' 25	9° 23' 8	5° 4' 4	T 6
W 7	15 1 7	16° 55' 44	7° 51' 7	2° 46' 2	1° 44' 1	26° 42' 26	23° 27' 23	26° 0' 25	27° 42' 27	5° 37' 5	19° 55' 19	24° 0' 24	25° 0' 25	9° 30' 8	5° 7' 4	W 7
T 8	15 5 4	17° 53' 52	21° 18' 21	4° 40' 4	2° 48' 2	27° 21' 27	23° 41' 23	26° 8' 25	27° 45' 27	5° 38' 5	19° 56' 19	23° 56' 23	24° 57' 25	9° 36' 8	5° 11' 4	T 8
F 9	15 9 0	18° 51' 58	4° 32' 4	6° 37' 6	3° 53' 3	28° 0' 28	23° 55' 23	26° 16' 25	27° 47' 27	5° 39' 5	19° 57' 19	23° 49' 23	24° 54' 25	9° 43' 8	5° 15' 4	F 9
S 10	15 12 57	19° 50' 02	17° 35' 17	8° 35' 8	4° 57' 4	28° 38' 28	24° 9' 24	26° 23' 25	27° 50' 27	5° 40' 5	19° 58' 19	23° 40' 23	24° 51' 25	9° 49' 8	5° 18' 4	S 10
S 11	15 16 54	20° 48' 05	0° 25' 0	10° 34' 10	6° 2' 6	29° 17' 29	24° 22' 24	26° 31' 26	27° 52' 27	5° 41' 5	19° 59' 19	23° 30' 23	24° 47' 25	9° 56' 8	5° 22' 4	S 11
M 12	15 20 50	21° 46' 06	13° 3' 12	12° 36' 12	7° 8' 7	29° 56' 29	24° 36' 24	26° 39' 26	27° 54' 27	5° 42' 5	20° 0' 20	23° 19' 23	24° 44' 25	10° 3' 8	5° 26' 4	M 12
T 13	15 24 47	22° 44' 05	25° 30' 25	14° 38' 14	8° 13' 8	0° 35' 0	24° 50' 24	26° 47' 26	27° 57' 27	5° 43' 5	20° 1' 20	23° 8' 23	24° 41' 25	10° 9' 8	5° 29' 4	T 13
W 14	15 28 43	23° 42' 03	7° 44' 7	16° 43' 16	9° 19' 9	1° 13' 1	25° 3' 25	26° 54' 26	27° 59' 27	5° 43' 5	20° 2' 20	22° 59' 23	24° 38' 25	10° 16' 8	5° 33' 4	W 14
T 15	15 32 40	24° 39' 59	19° 48' 19	18° 49' 18	10° 24' 10	1° 52' 1	25° 17' 25	27° 2' 27	28° 1' 28	5° 44' 5	20° 3' 20	22° 52' 23	24° 35' 25	10° 23' 8	5° 37' 4	T 15
F 16	15 36 36	25° 37' 54	1° 33' 1	20° 56' 11	11° 30' 11	2° 31' 2	25° 30' 25	27° 10' 27	28° 4' 28	5° 45' 5	20° 4' 20	22° 47' 23	24° 31' 25	10° 29' 8	5° 40' 4	F 16
S 17	15 40 33	26° 35' 48	13° 33' 13	23° 5' 23	12° 36' 12	3° 9' 3	25° 44' 25	27° 18' 27	28° 6' 28	5° 46' 5	20° 5' 20	22° 45' 23	24° 28' 25	10° 36' 8	5° 44' 4	S 17
S 18	15 44 29	27° 33' 40	25° 20' 25	25° 14' 25	13° 43' 13	3° 48' 3	25° 57' 25	27° 25' 27	28° 8' 28	5° 46' 5	20° 6' 20	22° 44' 23	24° 25' 25	10° 43' 8	5° 47' 4	S 18
M 19	15 48 26	28° 31' 31	7° 29' 7	27° 25' 27	14° 49' 14	4° 26' 4	26° 10' 26	27° 33' 27	28° 10' 28	5° 47' 5	20° 7' 20	22° 45' 23	24° 22' 25	10° 49' 8	5° 51' 4	M 19
T 20	15 52 23	29° 29' 21	19° 6' 19	29° 36' 29	15° 56' 15	5° 5' 5	26° 24' 26	27° 41' 27	28° 12' 28	5° 48' 5	20° 8' 20	22° 46' 23	24° 19' 25	10° 56' 8	5° 55' 4	T 20
W 21	15 56 19	0° 11' 27	0° 11' 27	1° 14' 1	1° 14' 1	17° 2' 1	5° 44' 5	26° 37' 26	27° 49' 27	5° 48' 5	20° 9' 20	22° 47' 23	24° 16' 25	11° 3' 8	5° 58' 4	W 21
T 22	16 0 16	1° 24' 57	13° 40' 13	3° 59' 3	18° 9' 18	6° 22' 6	26° 50' 26	27° 56' 27	28° 16' 28	5° 49' 5	20° 10' 20	22° 46' 23	24° 12' 25	11° 9' 8	6° 2' 4	T 22
F 23	16 4 12	2° 22' 43	26° 27' 26	6° 10' 6	19° 16' 19	7° 1' 7	27° 3' 27	28° 4' 28	28° 18' 28	5° 49' 5	20° 11' 20	22° 43' 23	24° 9' 25	11° 16' 8	6° 5' 4	F 23
S 24	16 8 9	3° 20' 28	9° 40' 9	8° 21' 8	20° 23' 20	7° 39' 7	27° 16' 27	28° 12' 28	28° 20' 28	5° 50' 5	20° 12' 20	22° 39' 23	24° 6' 25	11° 23' 8	6° 8' 4	S 24
S 25	16 12 5	4° 18' 12	23° 21' 23	10° 31' 10	21° 30' 21	8° 18' 8	27° 29' 27	28° 20' 28	28° 22' 28	5° 50' 5	20° 13' 20	22° 32' 23	24° 3' 25	11° 29' 8	6° 12' 4	S 25
M 26	16 16 2	5° 15' 55	7° 29' 7	12° 40' 12	22° 38' 22	8° 56' 8	27° 42' 27	28° 27' 28	28° 23' 28	5° 51' 5	20° 14' 20	22° 25' 23	24° 0' 25	11° 36' 8	6° 15' 4	M 26
T 27	16 19 58	6° 13' 37	22° 0' 22	14° 48' 14	23° 45' 23	9° 35' 9	27° 55' 27	28° 35' 28	28° 25' 28	5° 51' 5	20° 15' 20	22° 18' 23	23° 57' 25	11° 42' 8	6° 19' 4	T 27
W 28	16 23 55	7° 11' 18	6° 11' 6	16° 54' 16	24° 52' 24	10° 13' 10	28° 8' 28	28° 43' 28	28° 27' 28	5° 51' 5	20° 17' 20	22° 12' 23	23° 53' 25	11° 49' 8	6° 22' 4	W 28
T 29	16 27 52	8° 8' 57	21° 47' 21	18° 59' 18	26° 0' 26	10° 52' 10	28° 21' 28	28° 50' 28	28° 29' 28	5° 52' 5	20° 18' 20	22° 7' 23	23° 50' 25	11° 56' 8	6° 25' 4	T 29
F 30	16 31 48	9° 6' 36	6° 36' 6	21° 1' 21	27° 8' 27	11° 30' 11	28° 33' 28	28° 58' 28	28° 30' 28	5° 52' 5	20° 19' 20	22° 4' 23	23° 47' 25	12° 2' 8	6° 29' 4	F 30
S 31	16 35 45	10° 11' 43	21° 38' 21	23° 11' 23	28° 16' 28	12° 39' 12	28° 46' 28	29° 6' 29	28° 32' 28	5° 52' 5	20° 20' 20	22° 3' 23	23° 44' 25	12° 9' 8	6° 32' 4	S 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	15n 9	25n37	3n20	6n20	2s23	2s33	0s46	24n21	1n 7	7n35	1s 5	17n12	1s55	1s41	0s44	10s 2	0s36	21n29	0s28	21s 3	24s35	12n45	0s22								
F 2	15 27	25 40	2 16	7 3	2 18	2 12	0 50	24 23	1 7	7 40	1 5	17 14	1 54	1 40	0 44	10 2	0 36	21 29	0 28	21 17	21 4	24 34	12 46	0 22							
S 3	15 44	23 57	1 4	7 46	2 13	1 51	0 55	24 25	1 8	7 45	1 5	17 16	1 54	1 39	0 44	10 1	0 36	21 29	0 28	21 17	21 4	24 32	12 47	0 22							
S 4	16 2	20 42	0s12	8 30	2 7	1 29	0 59	24 27	1 8	7 50	1 5	17 18	1 54	1 38	0 44	10 1	0 36	21 29	0 28	21 17	21 5	24 31	12 48	0 23							
M 5	16 19	16 16	1 26	9 14	2 1	1 8	1 3	24 28	1 8	7 55	1 5	17 20	1 54	1 37	0 44	10 1	0 36	21 29	0 28	21 17	21 6	24 30	12 49	0 23							
T 6	16 36	11 2	2 33	9 59	1 55	0 46	1 7	24 30	1 8	8 0	1 5	17 22	1 54	1 36	0 44	10 0	0 36	21 29	0 28	21 17	21 6	24 29	12 50	0 23							
W 7	16 53	5 21	3 31	10 44	1 47	0 24	1 11	24 31	1 8	8 5	1 5	17 23	1 54	1 35	0 44	10 0	0 36	21 29	0 28	21 17	21 7	24 27	12 52	0 23							
T 8	17 9	0s29	4 16	11 30	1 40	0 2	1 15	24 32	1 8	8 11	1 5	17 25	1 54	1 34	0 44	9 59	0 36	21 29	0 28	21 18	21 7	24 26	12 53	0 23							
F 9	17 25	6 11	4 47	12 16	1 32	0n20	1 18	24 33	1 9	8 16	1 5	17 27	1 54	1 33	0 44	9 59	0 36	21 29	0 28	21 19	21 8	24 25	12 54	0 23							
S 10	17 41	11 32	5 2	13 2	1 23	0 43	1 22	24 33	1 9	8 21	1 5	17 29	1 54	1 32	0 44	9 59	0 36	21 29	0 28	21 21	21 8	24 23	12 55	0 23							
S 11	17 56	16 18	5 1	13 48	1 15	1 5	1 25	24 34	1 9	8 26	1 5	17 31	1 54	1 32	0 44	9 59	0 36	21 28	0 28	21 22	21 9	24 22	12 56	0 23							
M 12	18 11	20 17	4 46	14 34	1 5	1 28	1 29	24 34	1 9	8 30	1 5	17 33	1 54	1 31	0 44	9 58	0 36	21 28	0 28	21 24	21 10	24 21	12 57	0 23							
T 13	18 26	23 16	4 17	15 20	0 56	1 51	1 32	24 34	1 9	8 35	1 6	17 35	1 54	1 30	0 44	9 58	0 36	21 28	0 28	21 26	21 10	24 19	12 58	0 23							
W 14	18 41	25 9	3 37	16 5	0 46	2 14	1 35	24 34	1 9	8 40	1 6	17 36	1 54	1 29	0 44	9 58	0 36	21 28	0 28	21 28	21 11	24 18	13 0	0 23							
T 15	18 55	25 48	2 47	16 50	0 36	2 37	1 38	24 34	1 10	8 45	1 6	17 38	1 53	1 28	0 44	9 57	0 36	21 28	0 27	21 29	21 11	24 16	13 1	0 23							
F 16	19 9	25 15	1 50	17 34	0 26	3 0	1 40	24 33	1 10	8 50	1 6	17 40	1 53	1 27	0 45	9 57	0 36	21 28	0 27	21 30	21 12	24 15	13 2	0 23							
S 17	19 23	23 33	0 49	18 17	0 15	3 24	1 43	24 33	1 10	8 55	1 6	17 42	1 53	1 26	0 45	9 57	0 36	21 28	0 27	21 30	21 12	24 14	13 3	0 24							
S 18	19 36	20 49	0n14	18 59	0 5	3 47	1 45	24 32	1 10	9 0	1 6	17 44	1 53	1 25	0 45	9 57	0 36	21 28	0 27	21 30	21 13	24 12	13 4	0 24							
M 19	19 49	17 14	1 17	19 40	0n 6	4 11	1 48	24 31	1 10	9 4	1 6	17 45	1 53	1 25	0 45	9 56	0 36	21 28	0 27	21 30	21 13	24 11	13 5	0 24							
T 20	20 1	12 55	2 17	20 19	0 16	4 34	1 50	24 29	1 10	9 9	1 6	17 47	1 53	1 24	0 45	9 56	0 36	21 28	0 27	21 30	21 14	24 9	13 6	0 24							
W 21	20 14	8 2	3 12	20 56	0 27	4 57	1 52	24 28	1 10	9 14	1 6	17 49	1 53	1 23	0 45	9 56	0 36	21 28	0 27	21 30	21 15	24 8	13 7	0 24							
T 22	20 26	2 44	4 0	21 32	0 37	5 21	1 54	24 26	1 10	9 18	1 6	17 51	1 53	1 22	0 45	9 56	0 36	21 28	0 27	21 30	21 15	24 7	13 8	0 24							
F 23	20 37	2n49	4 37	22 5	0 47	5 44	1 56	24 24	1 10	9 23	1 6	17 52	1 53	1 22	0 45	9 56	0 36	21 28	0 27	21 30	21 16	24 5	13 9	0 24							
S 24	20 48	8 26	5 0	22 37	0 57	6 8	1 58	24 22	1 11	9 28	1 6	17 54	1 53	1 21	0 45	9 56	0 36	21 27	0 27	21 31	21 16	24 4	13 11	0 24							
S 25	20 59	13 50	5 8	23 5	1 6	6 32	2 0	24 20	1 11	9 32	1 6	17 56	1 53	1 20	0 45	9 55	0 36	21 27	0 27	21 32	21 17	24 2	13 12	0 24							
M 26	21 10	18 41	4 58	23 32	1 15	6 55	2 1	24 18	1 11	9 37	1 7	17 58	1 53	1 20	0 45	9 55	0 36	21 27	0 27	21 33	21 17	24 1	13 13	0 24							
T 27	21 20	22 34	4 28	23 55	1 23	7 18	2 3	24 15	1 11	9 41	1 7	17 59	1 53	1 19	0 45	9 55	0 36	21 27	0 27	21 34	21 18	23 59	13 14	0 24							
W 28	21 29	25 3	3 40	24 16	1 30	7 42	2 4	24 12	1 11	9 46	1 7	18 1	1 53	1 18	0 45	9 55	0 36	21 27	0 27	21 35	21 18	23 58	13 15	0 24							
T 29	21 39	25 46	2 37	24 35	1 37	8 5	2 5	24 9	1 11	9 50	1 7	18 3	1 53	1 18	0 45	9 55	0 36	21 27	0 26	21 36	21 19	23 57	13 16	0 25							
F 30	21 48	24 36	1 22	24 50	1 44	8 28	2 6	24 6	1 11	9 54	1 7	18 4	1 53	1 17	0 45	9 55	0 36	21 27	0 26	21 37	21 20	23 55	13 17	0 25							
S 31	21n56	21n43	0n 2	25n 3	1n49	8n52	2s 7	24n 3	1n11	9n59	1s 7	18n 6	1s53	1s16	0s45	9s55	0s36	21n27	0s26	21s37	21s20	23s54	13n18	0s25							

ASTRODIENST EPHEMERIS for the year 2177
geocentric

JUNE 2177

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 39 41	11 ^{II} 1'48	6 ^Ω 16	25 ^{II} 0	29 ^Υ 24	12 [♄] 47	28 ^Υ 58	29 [♄] 14	28 [♄] 33	5 [♄] 53	20 [♄] 22	22 [♄] 4	23 [♄] 41	12 [♄] 16	6 [♄] 35	S 1
M 2	16 43 38	11°59'23	20°35	26°56	0 [♄] 32	13°25	29°11	29°21	28°35	5°53	20°23	22° 5	23°37	12°22	6°39	M 2
T 3	16 47 34	12°56'55	4 [♄] 34	28°50	1°40	14° 4	29°23	29°29	28°36	5°53	20°24	22° 6	23°34	12°29	6°42	T 3
W 4	16 51 31	13°54'27	18°13	0 [♄] 41	2°48	14°42	29°36	29°36	28°38	5°53	20°25	22°R 6	23°31	12°36	6°45	W 4
T 5	16 55 27	14°51'56	1 [♄] 33	2°29	3°57	15°21	29°48	29°44	28°39	5°53	20°27	22° 5	23°28	12°42	6°48	T 5
F 6	16 59 24	15°49'25	14°36	4°15	5° 5	15°59	0 [♄] 0	29°52	28°40	5°53	20°28	22° 2	23°25	12°49	6°51	F 6
S 7	17 3 21	16°46'53	27°23	5°58	6°14	16°37	0°12	29°59	28°42	5°53	20°29	21°58	23°22	12°56	6°54	S 7
S 8	17 7 17	17°44'19	9 [♄] 56	7°38	7°22	17°16	0°24	0 ^{II} 7	28°43	5°R53	20°31	21°52	23°18	13° 2	6°57	S 8
M 9	17 11 14	18°41'44	22°18	9°15	8°31	17°54	0°36	0°14	28°44	5°53	20°32	21°47	23°15	13° 9	7° 0	M 9
T 10	17 15 10	19°39'09	4 [♄] 29	10°50	9°40	18°32	0°48	0°22	28°45	5°53	20°33	21°41	23°12	13°16	7° 3	T 10
W11	17 19 7	20°36'32	16°32	12°22	10°49	19°10	1° 0	0°29	28°46	5°53	20°35	21°36	23° 9	13°22	7° 6	W11
T 12	17 23 3	21°33'54	28°27	13°51	11°57	19°49	1°11	0°37	28°47	5°53	20°36	21°33	23° 6	13°29	7° 9	T 12
F 13	17 27 0	22°31'16	10 [♄] 18	15°17	13° 7	20°27	1°23	0°44	28°48	5°53	20°38	21°31	23° 3	13°36	7°12	F 13
S 14	17 30 56	23°28'37	22° 5	16°40	14°16	21° 5	1°34	0°51	28°49	5°53	20°39	21°D30	22°59	13°42	7°15	S 14
S 15	17 34 53	24°25'58	3 [♄] 53	18° 1	15°25	21°43	1°46	0°59	28°50	5°52	20°40	21°31	22°56	13°49	7°18	S 15
M16	17 38 50	25°23'18	15°44	19°18	16°34	22°22	1°57	1° 6	28°51	5°52	20°42	21°32	22°53	13°55	7°21	M16
T 17	17 42 46	26°20'37	27°42	20°32	17°43	23° 0	2° 8	1°13	28°52	5°52	20°43	21°34	22°50	14° 2	7°24	T 17
W18	17 46 43	27°17'56	9 [♄] 51	21°44	18°53	23°38	2°19	1°21	28°53	5°51	20°45	21°36	22°47	14° 9	7°26	W18
T 19	17 50 39	28°15'14	22°51	22°52	20° 2	24°16	2°30	1°28	28°54	5°51	20°46	21°37	22°43	14°15	7°29	T 19
F 20	17 54 36	29°12'32	5 ^Υ 1	23°57	21°12	24°54	2°41	1°35	28°54	5°51	20°48	21°R37	22°40	14°22	7°32	F 20
S 21	17 58 32	0 [♄] 9'50	18°10	24°59	22°22	25°33	2°52	1°42	28°55	5°50	20°49	21°36	22°37	14°29	7°34	S 21
S 22	18 2 29	1° 7'08	1 [♄] 46	25°57	23°31	26°11	3° 3	1°49	28°55	5°50	20°51	21°34	22°34	14°35	7°37	S 22
M23	18 6 25	2° 4'25	15°49	26°52	24°41	26°49	3°14	1°56	28°56	5°49	20°52	21°31	22°31	14°42	7°39	M23
T 24	18 10 22	3° 1'42	0 ^{II} 18	27°44	25°51	27°27	3°24	2° 3	28°56	5°49	20°54	21°29	22°28	14°49	7°42	T 24
W25	18 14 19	3°58'59	15° 9	28°31	27° 1	28° 5	3°34	2°11	28°57	5°48	20°55	21°27	22°24	14°55	7°44	W25
T 26	18 18 15	4°56'16	0 [♄] 14	29°15	28°11	28°43	3°45	2°17	28°57	5°48	20°57	21°25	22°21	15° 2	7°47	T 26
F 27	18 22 12	5°53'33	15°24	29°56	29°21	29°22	3°55	2°24	28°58	5°47	20°58	21°D25	22°18	15° 9	7°49	F 27
S 28	18 26 8	6°50'49	0 ^Ω 31	0 ^Ω 32	0 ^{II} 31	29°59	4° 5	2°31	28°58	5°47	21° 0	21°25	22°15	15°15	7°51	S 28
S 29	18 30 5	7°48'04	15°25	1° 4	1°41	0 ^Ω 38	4°15	2°38	28°58	5°46	21° 1	21°25	22°12	15°22	7°54	S 29
M30	18 34 1	8 [♄] 45'19	29 ^Ω 59	1 ^Ω 32	2 ^{II} 52	1 ^Ω 16	4 [♄] 25	2 ^{II} 45	28 [♄] 58	5 [♄] 45	21 [♄] 3	21 [♄] 26	22 [♄] 9	15 [♄] 29	7 [♄] 56	M30

Day	☉	☽		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	22n 5	17n27	1s16	25n14	1n54	9n15	2s 8	23n59	1n11	10n 3	1s 7	18n 8	1s53	1s16	0s45	9s55	0s36	21n27	0s26	21s37	21s21	23s52	13n19	0s25	
M 2	22 12	12 16	2 29	25 21	1 58	9 38	2 9	23 55	1 11	10 7	1 7	18 9	1 53	1 15	0 45	9 55	0 37	21 26	0 26	21 37	21 21	23 51	13 20	0 25	
T 3	22 20	6 33	3 31	25 27	2 2	10 1	2 10	23 51	1 11	10 12	1 7	18 11	1 53	1 15	0 45	9 55	0 37	21 26	0 26	21 36	21 22	23 49	13 21	0 25	
W 4	22 27	0 41	4 19	25 29	2 4	10 23	2 10	23 47	1 11	10 16	1 7	18 13	1 53	1 14	0 45	9 55	0 37	21 26	0 26	21 36	21 22	23 48	13 22	0 25	
T 5	22 34	5s 5	4 52	25 30	2 6	10 46	2 11	23 43	1 11	10 20	1 8	18 14	1 53	1 14	0 45	9 55	0 37	21 26	0 26	21 37	21 23	23 46	13 23	0 25	
F 6	22 40	10 29	5 9	25 28	2 7	11 8	2 11	23 39	1 11	10 24	1 8	18 16	1 53	1 13	0 45	9 55	0 37	21 26	0 26	21 37	21 23	23 45	13 24	0 25	
S 7	22 46	15 21	5 10	25 24	2 8	11 31	2 12	23 34	1 11	10 28	1 8	18 17	1 53	1 13	0 45	9 55	0 37	21 26	0 26	21 38	21 24	23 43	13 24	0 25	
S 8	22 51	19 28	4 56	25 19	2 7	11 53	2 12	23 29	1 12	10 32	1 8	18 19	1 53	1 12	0 45	9 55	0 37	21 26	0 26	21 39	21 24	23 42	13 25	0 25	
M 9	22 56	22 39	4 29	25 11	2 6	12 15	2 12	23 24	1 12	10 37	1 8	18 20	1 53	1 12	0 45	9 55	0 37	21 26	0 26	21 39	21 25	23 40	13 26	0 26	
T 10	23 1	24 46	3 49	25 2	2 4	12 37	2 12	23 19	1 12	10 41	1 8	18 22	1 53	1 11	0 45	9 55	0 37	21 25	0 26	21 40	21 25	23 39	13 27	0 26	
W11	23 5	25 43	3 0	24 51	2 1	12 58	2 12	23 14	1 12	10 44	1 8	18 24	1 53	1 11	0 45	9 55	0 37	21 25	0 26	21 41	21 26	23 37	13 28	0 26	
T 12	23 9	25 28	2 3	24 39	1 57	13 19	2 11	23 8	1 12	10 48	1 8	18 25	1 53	1 10	0 45	9 55	0 37	21 25	0 26	21 42	21 27	23 36	13 29	0 26	
F 13	23 12	24 2	1 1	24 25	1 53	13 40	2 11	23 3	1 12	10 52	1 9	18 27	1 53	1 10	0 45	9 55	0 37	21 25	0 25	21 42	21 27	23 34	13 30	0 26	
S 14	23 15	21 33	0n 3	24 10	1 48	14 1	2 11	22 57	1 12	10 56	1 9	18 28	1 53	1 10	0 45	9 55	0 37	21 25	0 25	21 42	21 28	23 32	13 31	0 26	
S 15	23 18	18 10	1 8	23 54	1 42	14 22	2 10	22 51	1 12	11 0	1 9	18 30	1 53	1 9	0 45	9 55	0 37	21 25	0 25	21 42	21 28	23 31	13 31	0 26	
M16	23 20	14 3	2 9	23 37	1 36	14 42	2 10	22 45	1 12	11 4	1 9	18 31	1 53	1 9	0 46	9 55	0 37	21 24	0 25	21 42	21 29	23 29	13 32	0 26	
T 17	23 22	9 21	3 6	23 18	1 29	15 2	2 9	22 38	1 12	11 7	1 9	18 32	1 53	1 9	0 46	9 56	0 37	21 24	0 25	21 41	21 29	23 28	13 33	0 26	
W18	23 23	4 14	3 56	23 0	1 21	15 22	2 8	22 32	1 12	11 11	1 9	18 34	1 53	1 9	0 46	9 56	0 37	21 24	0 25	21 41	21 30	23 26	13 34	0 26	
T 19	23 24	1n 9	4 35	22 40	1 12	15 41	2 7	22 25	1 12	11 15	1 9	18 35	1 53	1 8	0 46	9 56	0 37	21 24	0 25	21 41	21 30	23 25	13 35	0 26	
F 20	23 25	6 37	5 3	22 20	1 3	16 1	2 6	22 18	1 12	11 18	1 9	18 37	1 53	1 8	0 46	9 56	0 37	21 24	0 25	21 41	21 31	23 23	13 35	0 27	
S 21	23 25	11 58	5 15	21 59	0 53	16 19	2 5	22 11	1 12	11 22	1 10	18 38	1 53	1 8	0 46	9 56	0 37	21 24	0 25	21 41	21 31	23 21	13 36	0 27	
S 22	23 25	16 56	5 11	21 38	0 43	16 38	2 4	22 4	1 12	11 25	1 10	18 39	1 53	1 8	0 46	9 56	0 37	21 24	0 25	21 41	21 32	23 20	13 37	0 27	
M23	23 24	21 9	4 48	21 17	0 32	16 56	2 3	21 57	1 12	11 29	1 10	18 41	1 53	1 7	0 46	9 57	0 37	21 23	0 25	21 42	21 32	23 18	13 38	0 27	
T 24	23 23	24 12	4 6	20 55	0 20	17 14	2 2	21 49	1 12	11 32	1 10	18 42	1 53	1 7	0 46	9 57	0 37	21 23	0 25	21 42	21 33	23 17	13 38	0 27	
W25	23 21	25 42	3 7	20 34	0 8	17 31	2 1	21 42	1 12	11 36	1 10	18 43	1 53	1 7	0 46	9 57	0 37	21 23	0 25	21 43	21 33	23 15	13 39	0 27	
T 26	23 19	25 20	1 55	20 12	0s 5	17 48	1 59	21 34	1 12	11 39	1 10	18 45	1 53	1 7	0 46	9 57	0 37	21 23	0 25	21 43	21 34	23 13	13 40	0 27	
F 27	23 17	23 5	0 33	19 51	0 18	18 5	1 58	21 26	1 12	11 42	1 11	18 46	1 53	1 7	0 46	9 57	0 37	21 23	0 25	21 43	21 34	23 12	13 40	0 27	
S 28	23 14	19 12	0s50	19 30	0 32	18 21	1 56	21 18	1 12	11 46	1 11	18 47	1 54	1 7	0 46	9 58	0 37	21 23	0 25	21 43	21 35	23 9	13 41	0 27	
S 29	23 11	14 9	2 9	19 9	0 46	18 37	1 55	21 10	1 12	11 49	1 11	18 49	1 54	1 7	0 46	9 58	0 37	21 22	0 24	21 43	21 35	23 9	13 42	0 27	
M30	23n 8	8n22	3s18	18n49	1s 1	18n52	1s53	21n 1	1n12	11n52	1s11	18n50	1s54	1s 7	0s46	9s58	0s37	21n22	0s24	21s43	21s36	23s 7	13n42	0s28	

ASTRODIENST EPHEMERIS for the year 2177
geocentric

JULY 2177

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 37 58	9°42'33	14°11'11	1°56	4°11 2	1°54	4°35	2°11 52	28°58	5°R45	21°5 4	21°37 27	22°3 5	15°33 5	7°58	T 1
W 2	18 41 55	10°39'47	27°58	2°15	5°12	2°32	4°44	2°58	28°58	5°H44	21° 6	21°28	22° 2	15°42	8° 0	W 2
T 3	18 45 51	11°37'01	11°12 10	2°30	6°23	3°10	4°54	3° 5	28°R59	5°43	21° 7	21°R28	21°59	15°48	8° 2	T 3
F 4	18 49 48	12°34'14	24°19	2°40	7°33	3°48	5° 3	3°12	28°59	5°42	21° 9	21°28	21°56	15°55	8° 4	F 4
S 5	18 53 44	13°31'26	6°11 59	2°46	8°44	4°27	5°12	3°18	28°58	5°41	21°10	21°27	21°53	16° 2	8° 6	S 5
S 6	18 57 41	14°28'39	19°23	2°R47	9°54	5° 5	5°22	3°25	28°58	5°41	21°12	21°27	21°49	16° 8	8° 8	S 6
M 7	19 1 37	15°25'51	1°17 33	2°43	11° 5	5°43	5°31	3°31	28°58	5°40	21°14	21°26	21°46	16°15	8°10	M 7
T 8	19 5 34	16°23'02	13°34	2°35	12°16	6°21	5°40	3°38	28°58	5°39	21°15	21°25	21°43	16°22	8°12	T 8
W 9	19 9 30	17°20'14	25°28	2°22	13°26	6°59	5°48	3°44	28°58	5°38	21°17	21°25	21°40	16°28	8°14	W 9
T 10	19 13 27	18°17'26	7°31 18	2° 5	14°37	7°37	5°57	3°50	28°57	5°37	21°18	21°24	21°37	16°35	8°16	T 10
F 11	19 17 24	19°14'38	19° 5	1°43	15°48	8°15	6° 5	3°57	28°57	5°36	21°20	21°D24	21°34	16°42	8°18	F 11
S 12	19 21 20	20°11'49	0°11 54	1°18	16°59	8°53	6°14	4° 3	28°57	5°35	21°21	21°24	21°30	16°48	8°19	S 12
S 13	19 25 17	21° 9'01	12°45	0°49	18°10	9°31	6°22	4° 9	28°56	5°34	21°23	21°R24	21°27	16°55	8°21	S 13
M14	19 29 13	22° 6'14	24°41	0°17	19°21	10° 9	6°30	4°15	28°56	5°33	21°25	21°24	21°24	17° 2	8°22	M14
T 15	19 33 10	23° 3'26	6°11 46	29°34 2	20°32	10°47	6°38	4°21	28°55	5°32	21°26	21°24	21°21	17° 8	8°24	T 15
W16	19 37 6	24° 0'39	19° 1	29° 5	21°43	11°25	6°46	4°27	28°55	5°31	21°28	21°24	21°18	17°15	8°25	W16
T 17	19 41 3	24°57'52	1°17 30	28°26	22°55	12° 3	6°54	4°33	28°54	5°29	21°29	21°24	21°15	17°21	8°27	T 17
F 18	19 44 59	25°55'06	14°16	27°46	24° 6	12°41	7° 1	4°39	28°53	5°28	21°31	21°23	21°11	17°28	8°28	F 18
S 19	19 48 56	26°52'21	27°22	27° 6	25°17	13°19	7° 9	4°45	28°53	5°27	21°32	21°D23	21° 8	17°35	8°30	S 19
S 20	19 52 53	27°49'36	10°35 1	26°27	26°29	13°57	7°16	4°50	28°52	5°26	21°34	21°23	21° 5	17°41	8°31	S 20
M21	19 56 49	28°46'52	24°44	25°49	27°40	14°35	7°23	4°56	28°51	5°25	21°35	21°24	21° 2	17°48	8°32	M21
T 22	20 0 46	29°44'08	9°11 2	25°12	28°52	15°13	7°30	5° 1	28°50	5°24	21°37	21°24	20°59	17°55	8°33	T 22
W23	20 4 42	0°41'26	23°41	24°38	0°3 3	15°51	7°37	5° 7	28°49	5°22	21°39	21°25	20°55	18° 1	8°34	W23
T 24	20 8 39	1°38'44	8°33 8	24° 7	1°15	16°29	7°43	5°12	28°49	5°21	21°40	21°26	20°52	18° 8	8°36	T 24
F 25	20 12 35	2°36'03	23°45	23°39	2°26	17° 7	7°50	5°18	28°48	5°20	21°42	21°R26	20°49	18°15	8°37	F 25
S 26	20 16 32	3°33'22	8°53 3	23°16	3°38	17°45	7°56	5°23	28°47	5°18	21°43	21°25	20°46	18°21	8°38	S 26
S 27	20 20 28	4°30'42	23°53	22°58	4°50	18°23	8° 2	5°28	28°45	5°17	21°45	21°24	20°43	18°28	8°38	S 27
M28	20 24 25	5°28'02	8°17 37	22°44	6° 2	19° 1	8° 8	5°34	28°44	5°16	21°46	21°23	20°40	18°35	8°39	M28
T 29	20 28 22	6°25'23	22°59	22°36	7°13	19°39	8°14	5°39	28°43	5°14	21°48	21°21	20°36	18°41	8°40	T 29
W30	20 32 18	7°22'44	6°11 55	22°D34	8°25	20°18	8°20	5°44	28°42	5°13	21°49	21°19	20°33	18°48	8°41	W30
T 31	20 36 15	8°20'06	20°12 3	22°37	9°37	20°56	8°25	5°11 49	28°41	5°H11	21°51	21°38	20°30	18°55	8°42	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	23n 4	2n20	4s13	18n29	1s16	19n 7	1s51	20n53	1n12	11n55	1s11	18n51	1s54	1s 7	0s46	9s59
W 2	22 59	3s38	4 51	18 10	1 31	19 21	1 49	20 44	1 12	11 58	1 11	18 52	1 54	1 7	0 46	9 59
T 3	22 55	9 16	5 12	17 52	1 46	19 35	1 47	20 35	1 12	12 1	1 11	18 54	1 54	1 7	0 46	9 59
F 4	22 49	14 20	5 17	17 34	2 2	19 49	1 46	20 26	1 11	12 4	1 12	18 55	1 54	1 7	0 46	10 0
S 5	22 44	18 39	5 6	17 18	2 17	20 2	1 44	20 17	1 11	12 7	1 12	18 56	1 54	1 7	0 46	10 0
S 6	22 38	22 3	4 41	17 2	2 33	20 15	1 41	20 8	1 11	12 10	1 12	18 57	1 54	1 7	0 46	10 0
M 7	22 32	24 25	4 3	16 48	2 48	20 27	1 39	19 59	1 11	12 13	1 12	18 58	1 54	1 7	0 46	10 1
T 8	22 25	25 38	3 15	16 35	3 3	20 38	1 37	19 49	1 11	12 15	1 12	18 59	1 54	1 7	0 46	10 1
W 9	22 18	25 39	2 19	16 24	3 18	20 49	1 35	19 40	1 11	12 18	1 13	19 0	1 54	1 7	0 46	10 1
T 10	22 10	24 30	1 18	16 13	3 33	21 0	1 33	19 30	1 11	12 21	1 13	19 2	1 54	1 7	0 46	10 2
F 11	22 2	22 16	0 13	16 5	3 46	21 10	1 30	19 20	1 11	12 24	1 13	19 3	1 54	1 8	0 46	10 2
S 12	21 54	19 5	0n53	15 58	3 59	21 19	1 28	19 10	1 11	12 26	1 13	19 4	1 55	1 8	0 46	10 2
S 13	21 45	15 7	1 56	15 52	4 11	21 28	1 26	19 0	1 11	12 29	1 13	19 5	1 55	1 8	0 47	10 3
M14	21 36	10 32	2 55	15 48	4 22	21 36	1 23	18 49	1 11	12 31	1 13	19 6	1 55	1 8	0 47	10 3
T 15	21 27	5 31	3 46	15 46	4 32	21 44	1 21	18 39	1 11	12 34	1 14	19 7	1 55	1 8	0 47	10 4
W16	21 17	0 14	4 28	15 45	4 40	21 51	1 18	18 28	1 11	12 36	1 14	19 8	1 55	1 9	0 47	10 4
T 17	21 7	5n10	4 59	15 46	4 47	21 58	1 16	18 18	1 11	12 38	1 14	19 9	1 55	1 9	0 47	10 5
F 18	20 57	10 27	5 15	15 49	4 52	22 4	1 13	18 7	1 11	12 41	1 14	19 10	1 55	1 9	0 47	10 5
S 19	20 46	15 26	5 16	15 53	4 56	22 10	1 11	17 56	1 11	12 43	1 14	19 11	1 55	1 10	0 47	10 5
S 20	20 35	19 48	5 0	15 58	4 58	22 14	1 8	17 45	1 10	12 45	1 15	19 12	1 55	1 10	0 47	10 6
M21	20 23	23 14	4 26	16 5	4 58	22 19	1 5	17 34	1 10	12 47	1 15	19 12	1 55	1 10	0 47	10 6
T 22	20 11	25 19	3 34	16 13	4 57	22 22	1 3	17 22	1 10	12 49	1 15	19 13	1 56	1 11	0 47	10 7
W23	19 59	25 44	2 28	16 21	4 54	22 25	1 0	17 11	1 10	12 51	1 15	19 14	1 56	1 11	0 47	10 7
T 24	19 47	24 19	1 10	16 31	4 49	22 28	0 57	17 0	1 10	12 53	1 15	19 15	1 56	1 11	0 47	10 8
F 25	19 34	21 7	0s13	16 42	4 43	22 29	0 54	16 48	1 10	12 55	1 16	19 16	1 56	1 12	0 47	10 8
S 26	19 20	16 29	1 35	16 54	4 35	22 31	0 51	16 36	1 10	12 57	1 16	19 17	1 56	1 12	0 47	10 9
S 27	19 7	10 52	2 50	17 6	4 26	22 31	0 49	16 24	1 10	12 59	1 16	19 17	1 56	1 13	0 47	10 9
M28	18 53	4 44	3 53	17 18	4 16	22 31	0 46	16 13	1 10	13 0	1 16	19 18	1 56	1 13	0 47	10 10
T 29	18 39	1s29	4 39	17 31	4 4	22 30	0 43	16 0	1 10	13 2	1 16	19 19	1 56	1 14	0 47	10 10
W30	18 25	7 26	5 6	17 43	3 52	22 29	0 40	15 48	1 9	13 4	1 17	19 20	1 56	1 14	0 47	10 11
T 31	18n10	12s50	5s16	17n56	3s38	22n27	0s37	15n36	1n 9	13n 5	1s17	19n21	1s57	1s15	0s47	10s11

Julian Day Number = 2516374.5, Delta T = 142.58 sec
Ecliptic obliquity = 23°25'01, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°13'14, Lahiri = 26°20'15

ASTRODIENST EPHEMERIS for the year 2177
geocentric

AUGUST 2177

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 40 11	9♌17'28	3♍26	22♎47	10♏49	21♐34	8♑31	5♒53	28°R39	5°R10	21♓52	21°D17	20♑27	19♒1	8♓42	F 1
S 2	20 44 8	10°14'50	16° 5	23° 2	12° 1	22°12	8°36	5°58	28°X38	5°X 9	21°54	21°Z17	20°24	19° 8	8°43	S 2
S 3	20 48 4	11°12'13	28°25	23°24	13°13	22°50	8°41	6° 3	28°37	5° 7	21°55	21°18	20°21	19°14	8°43	S 3
M 4	20 52 1	12° 9'37	10♊31	23°53	14°26	23°28	8°46	6° 7	28°35	5° 6	21°57	21°19	20°17	19°21	8°44	M 4
T 5	20 55 57	13° 7'02	22°27	24°27	15°38	24° 6	8°50	6°12	28°34	5° 4	21°58	21°21	20°14	19°28	8°44	T 5
W 6	20 59 54	14° 4'27	4♈16	25° 8	16°50	24°44	8°55	6°16	28°32	5° 3	22° 0	21°22	20°11	19°34	8°45	W 6
T 7	21 3 51	15° 1'52	16° 3	25°55	18° 2	25°22	8°59	6°21	28°31	5° 1	22° 1	21°R23	20° 8	19°41	8°45	T 7
F 8	21 7 47	15°59'19	27°52	26°48	19°15	26° 0	9° 3	6°25	28°29	5° 0	22° 3	21°23	20° 5	19°48	8°45	F 8
S 9	21 11 44	16°56'46	9♍44	27°47	20°27	26°38	9° 7	6°29	28°28	4°58	22° 4	21°22	20° 1	19°54	8°45	S 9
S 10	21 15 40	17°54'15	21°43	28°52	21°40	27°16	9°11	6°33	28°26	4°57	22° 6	21°19	19°58	20° 1	8°45	S 10
M11	21 19 37	18°51'44	3♊49	0♌ 3	22°52	27°54	9°15	6°38	28°25	4°55	22° 7	21°16	19°55	20° 8	8°45	M11
T 12	21 23 33	19°49'15	16° 6	1°19	24° 5	28°32	9°18	6°41	28°23	4°54	22° 9	21°11	19°52	20°14	8°R45	T 12
W13	21 27 30	20°46'46	28°33	2°41	25°17	29°10	9°21	6°45	28°21	4°52	22°10	21° 6	19°49	20°21	8°45	W13
T 14	21 31 26	21°44'19	11♊13	4° 8	26°30	29°48	9°24	6°49	28°19	4°50	22°11	21° 2	19°46	20°28	8°45	T 14
F 15	21 35 23	22°41'53	24° 7	5°39	27°43	0♍26	9°27	6°53	28°18	4°49	22°13	20°58	19°42	20°34	8°45	F 15
S 16	21 39 20	23°39'29	7♊17	7°15	28°55	1° 4	9°30	6°56	28°16	4°47	22°14	20°55	19°39	20°41	8°45	S 16
S 17	21 43 16	24°37'06	20°44	8°55	0♌ 8	1°42	9°32	7° 0	28°14	4°46	22°15	20°D54	19°36	20°47	8°45	S 17
M18	21 47 13	25°34'45	4♌29	10°39	1°21	2°20	9°35	7° 3	28°12	4°44	22°17	20°55	19°33	20°54	8°44	M18
T 19	21 51 9	26°32'26	18°34	12°26	2°34	2°59	9°37	7° 7	28°10	4°42	22°18	20°56	19°30	21° 1	8°44	T 19
W20	21 55 6	27°30'08	2♊56	14°16	3°47	3°37	9°38	7°10	28° 8	4°41	22°20	20°57	19°27	21° 7	8°44	W20
T 21	21 59 2	28°27'51	17°35	16° 9	5° 0	4°15	9°40	7°13	28° 6	4°39	22°21	20°R58	19°23	21°14	8°43	T 21
F 22	22 2 59	29°25'36	2♌24	18° 4	6°13	4°53	9°42	7°16	28° 4	4°37	22°22	20°57	19°20	21°21	8°43	F 22
S 23	22 6 55	0♍23'23	17°19	20° 1	7°26	5°31	9°43	7°19	28° 2	4°36	22°23	20°55	19°17	21°27	8°42	S 23
S 24	22 10 52	1°21'11	2♍11	21°58	8°39	6° 9	9°44	7°22	28° 0	4°34	22°25	20°51	19°14	21°34	8°41	S 24
M25	22 14 49	2°19'00	16°52	23°57	9°52	6°47	9°45	7°24	27°58	4°33	22°26	20°46	19°11	21°41	8°41	M25
T 26	22 18 45	3°16'50	1♌15	25°57	11° 6	7°25	9°46	7°27	27°56	4°31	22°27	20°39	19° 7	21°47	8°40	T 26
W27	22 22 42	4°14'42	15°14	27°57	12°19	8° 4	9°46	7°30	27°54	4°29	22°28	20°32	19° 4	21°54	8°39	W27
T 28	22 26 38	5°12'35	28°47	29°57	13°32	8°42	9°46	7°32	27°52	4°28	22°30	20°27	19° 1	22° 1	8°38	T 28
F 29	22 30 35	6°10'30	11♌53	1♍56	14°45	9°20	9°R47	7°34	27°50	4°26	22°31	20°22	18°58	22° 7	8°37	F 29
S 30	22 34 31	7° 8'25	24°35	3°56	15°59	9°58	9°46	7°37	27°47	4°24	22°32	20°19	18°55	22°14	8°36	S 30
S 31	22 38 28	8♍ 6'22	6♊56	5♍55	17♌12	10♍36	9♌46	7♌39	27°X45	4°X23	22°Z33	20°D18	18♑52	22♑20	8♓35	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	17n55	17s29	5s 9	18n 8	3s24	22n24	0s35	15n24	1n 9	13n 7	1s17	19n21	1s57	1s15	0s47	10s12
S 2	17 39	21 13	4 47	18 20	3 10	22 21	0 32	15 11	1 9	13 8	1 17	19 22	1 57	1 16	0 47	10 12
S 3	17 24	23 53	4 12	18 32	2 54	22 17	0 29	14 59	1 9	13 10	1 17	19 23	1 57	1 16	0 47	10 13
M 4	17 8	25 25	3 27	18 42	2 39	22 12	0 26	14 46	1 9	13 11	1 18	19 23	1 57	1 17	0 47	10 14
T 5	16 52	25 45	2 33	18 52	2 23	22 7	0 23	14 33	1 9	13 12	1 18	19 24	1 57	1 18	0 47	10 14
W 6	16 35	24 54	1 33	19 0	2 7	22 1	0 20	14 21	1 9	13 13	1 18	19 25	1 57	1 18	0 47	10 15
T 7	16 19	22 56	0 29	19 7	1 51	21 55	0 17	14 8	1 8	13 14	1 18	19 26	1 57	1 19	0 47	10 15
F 8	16 2	19 59	0n36	19 13	1 35	21 48	0 15	13 55	1 8	13 16	1 19	19 25	1 58	1 19	0 47	10 16
S 9	15 45	16 12	1 39	19 17	1 19	21 40	0 12	13 42	1 8	13 17	1 19	19 26	1 58	1 20	0 47	10 16
S 10	15 27	11 45	2 39	19 20	1 4	21 32	0 9	13 28	1 8	13 18	1 19	19 27	1 58	1 21	0 47	10 17
M11	15 9	6 48	3 32	19 20	0 49	21 23	0 6	13 15	1 8	13 19	1 19	19 27	1 58	1 21	0 47	10 18
T 12	14 51	1 33	4 16	19 18	0 34	21 13	0 3	13 2	1 8	13 19	1 19	19 28	1 58	1 22	0 47	10 18
W13	14 33	3n51	4 49	19 14	0 19	21 3	0 0	12 48	1 8	13 20	1 20	19 28	1 58	1 23	0 47	10 19
T 14	14 15	9 9	5 8	19 7	0 5	20 52	0n 2	12 35	1 7	13 21	1 20	19 29	1 58	1 24	0 47	10 19
F 15	13 56	14 11	5 12	18 58	0n 8	20 41	0 5	12 21	1 7	13 22	1 20	19 29	1 59	1 24	0 47	10 20
S 16	13 37	18 39	5 0	18 46	0 20	20 29	0 8	12 8	1 7	13 22	1 20	19 30	1 59	1 25	0 48	10 21
S 17	13 18	22 17	4 31	18 32	0 32	20 16	0 11	11 54	1 7	13 23	1 21	19 30	1 59	1 26	0 48	10 21
M18	12 59	24 44	3 47	18 14	0 43	20 3	0 13	11 40	1 7	13 23	1 21	19 31	1 59	1 27	0 48	10 22
T 19	12 39	25 42	2 48	17 54	0 53	19 50	0 16	11 26	1 7	13 24	1 21	19 31	1 59	1 27	0 48	10 22
W20	12 20	25 0	1 37	17 32	1 2	19 35	0 19	11 12	1 6	13 24	1 21	19 31	1 59	1 28	0 48	10 23
T 21	12 0	22 34	0 18	17 6	1 11	19 20	0 21	10 58	1 6	13 25	1 21	19 32	2 0	1 29	0 48	10 24
F 22	11 40	18 36	1s 2	16 39	1 18	19 5	0 24	10 44	1 6	13 25	1 22	19 32	2 0	1 30	0 48	10 24
S 23	11 19	13 26	2 18	16 8	1 25	18 49	0 26	10 30	1 6	13 25	1 22	19 32	2 0	1 31	0 48	10 25
S 24	10 59	7 29	3 25	15 36	1 30	18 33	0 29	10 16	1 6	13 25	1 22	19 33	2 0	1 31	0 48	10 25
M25	10 38	1 13	4 17	15 1	1 35	18 16	0 31	10 2	1 6	13 25	1 22	19 33	2 0	1 32	0 48	10 26
T 26	10 18	4s58	4 52	14 25	1 39	17 58	0 34	9 47	1 5	13 25	1 23	19 33	2 0	1 33	0 48	10 27
W27	9 57	10 44	5 8	13 46	1 42	17 40	0 36	9 33	1 5	13 25	1 23	19 34	2 0	1 34	0 48	10 27
T 28	9 36	15 48	5 6	13 6	1 44	17 21	0 38	9 18	1 5	13 25	1 23	19 34	2 1	1 35	0 48	10 28
F 29	9 14	19 57	4 48	12 25	1 45	17 2	0 41	9 4	1 5	13 25	1 23	19 34	2 1	1 36	0 48	10 28
S 30	8 53	23 2	4 16	11 42	1 46	16 43	0 43	8 49	1 5	13 25	1 23	19 34	2 1	1 37	0 48	10 29
S 31	8n31	24s57	3s33	10n59	1n46	16n23	0n45	8n35	1n 4	13n24	1s24	19n34	2s 1	1s37	0s48	10s30

Julian Day Number = 2516405.5, Delta T = 142.65 sec
Ecliptic obliquity = 23°25'01, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°13'19, Lahiri = 26°20'19

ASTRODIENST EPHEMERIS for the year 2177
geocentric

SEPTEMBER 2177

00:00 UT

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

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8n10	25s38	2s41	10n14	1n45	16n 2	0n47	8n20	1n 4	13n24	1s24	19n35	2s 1	1s38	0s48	M 1
T 2	7 48	25 8	1 43	9 29	1 44	15 42	0 49	8 5	1 4	13 24	1 24	19 35	2 1	1 39	0 48	T 2
W 3	7 26	23 30	0 41	8 43	1 42	15 20	0 52	7 50	1 4	13 23	1 24	19 35	2 2	1 40	0 48	W 3
T 4	7 4	20 50	0n22	7 56	1 39	14 58	0 54	7 36	1 4	13 22	1 24	19 35	2 2	1 41	0 48	T 4
F 5	6 42	17 17	1 25	7 9	1 36	14 36	0 56	7 21	1 3	13 22	1 25	19 35	2 2	1 42	0 48	F 5
S 6	6 19	13 1	2 25	6 22	1 33	14 14	0 58	7 6	1 3	13 21	1 25	19 35	2 2	1 43	0 48	S 6
S 7	5 57	8 12	3 18	5 35	1 29	13 51	0 59	6 51	1 3	13 21	1 25	19 35	2 2	1 44	0 48	S 7
M 8	5 35	3 0	4 3	4 47	1 25	13 27	1 1	6 36	1 3	13 20	1 25	19 35	2 2	1 45	0 48	M 8
T 9	5 12	2n24	4 37	4 0	1 20	13 3	1 3	6 21	1 3	13 19	1 26	19 35	2 3	1 46	0 48	T 9
W10	4 49	7 47	4 58	3 12	1 15	12 39	1 5	6 6	1 2	13 18	1 26	19 35	2 3	1 47	0 48	W10
T 11	4 27	12 55	5 4	2 25	1 10	12 15	1 6	5 51	1 2	13 17	1 26	19 35	2 3	1 48	0 48	T 11
F 12	4 4	17 33	4 54	1 37	1 4	11 50	1 8	5 35	1 2	13 16	1 26	19 35	2 3	1 48	0 48	F 12
S 13	3 41	21 22	4 28	0 50	0 58	11 25	1 10	5 20	1 2	13 15	1 26	19 35	2 3	1 49	0 48	S 13
S 14	3 18	24 5	3 47	0 3	0 52	10 59	1 11	5 5	1 1	13 14	1 26	19 35	2 3	1 50	0 48	S 14
M15	2 55	25 25	2 52	0s43	0 46	10 33	1 12	4 50	1 1	13 13	1 27	19 35	2 4	1 51	0 48	M15
T 16	2 32	25 11	1 46	1 29	0 39	10 7	1 14	4 34	1 1	13 11	1 27	19 35	2 4	1 52	0 48	T 16
W17	2 9	23 19	0 33	2 15	0 32	9 41	1 15	4 19	1 1	13 10	1 27	19 35	2 4	1 53	0 48	W17
T 18	1 46	19 57	0s44	3 1	0 26	9 14	1 16	4 4	1 1	13 9	1 27	19 35	2 4	1 54	0 48	T 18
F 19	1 22	15 20	1 58	3 46	0 19	8 47	1 18	3 48	1 0	13 7	1 27	19 35	2 4	1 55	0 48	F 19
S 20	0 59	9 49	3 4	4 30	0 11	8 20	1 19	3 33	1 0	13 6	1 28	19 34	2 4	1 56	0 48	S 20
S 21	0 36	3 47	3 59	5 14	0 4	7 52	1 20	3 17	1 0	13 4	1 28	19 34	2 5	1 57	0 48	S 21
M22	0 13	2s23	4 37	5 58	0s 3	7 25	1 21	3 2	1 0	13 3	1 28	19 34	2 5	1 58	0 48	M22
T 23	0s11	8 19	4 58	6 41	0 10	6 57	1 22	2 47	0 59	13 1	1 28	19 34	2 5	1 59	0 48	T 23
W24	0 34	13 43	5 1	7 24	0 18	6 29	1 22	2 31	0 59	12 59	1 28	19 34	2 5	2 0	0 48	W24
T 25	0 57	18 17	4 46	8 5	0 25	6 0	1 23	2 16	0 59	12 57	1 28	19 33	2 5	2 1	0 48	T 25
F 26	1 21	21 50	4 17	8 47	0 33	5 32	1 24	2 0	0 58	12 56	1 28	19 33	2 5	2 2	0 48	F 26
S 27	1 44	24 11	3 36	9 27	0 40	5 3	1 25	1 44	0 58	12 54	1 29	19 33	2 5	2 3	0 48	S 27
S 28	2 7	25 19	2 45	10 7	0 48	4 35	1 25	1 29	0 58	12 52	1 29	19 33	2 6	2 4	0 48	S 28
M29	2 30	25 11	1 48	10 47	0 55	4 6	1 26	1 13	0 58	12 50	1 29	19 32	2 6	2 5	0 48	M29
T 30	2s54	23s54	0s47	11s25	1s 3	3n36	1n26	0n58	0n57	12n48	1s29	19n32	2s 6	2s 5	0s48	T 30

Julian Day Number = 2516436.5, Delta T = 142.72 sec
Ecliptic obliquity = 23°25'02, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°13'23, Lahiri = 26°20'23

ASTRODIENST EPHEMERIS for the year 2177
geocentric

OCTOBER 2177

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 40 41	8♂17'01	20♂47	28♂35	25♂29	0♂26	8°R 1	7°R52	26°R32	3°R36	23♂ 0	17°R55	17♂13	25♂46	7°R40	W 1
T 2	0 44 38	9°15'55	2♂35	0♂ 0	26°43	1° 4	7♂55	7♂51	26♂30	3♂35	23° 1	17♂54	17°10	25°53	7♂38	T 2
F 3	0 48 34	10°14'51	14°29	1°25	27°58	1°43	7°49	7°49	26°28	3°34	23° 1	17°52	17° 7	26° 0	7°35	F 3
S 4	0 52 31	11°13'49	26°32	2°48	29°13	2°22	7°43	7°48	26°25	3°32	23° 2	17°47	17° 4	26° 6	7°33	S 4
S 5	0 56 27	12°12'49	8♂49	4°10	0♂27	3° 0	7°36	7°46	26°23	3°31	23° 2	17°39	17° 0	26°13	7°30	S 5
M 6	1 0 24	13°11'50	21°21	5°31	1°42	3°39	7°29	7°45	26°21	3°30	23° 3	17°29	16°57	26°20	7°27	M 6
T 7	1 4 20	14°10'54	4♂11	6°51	2°57	4°18	7°23	7°43	26°18	3°29	23° 3	17°16	16°54	26°26	7°25	T 7
W 8	1 8 17	15° 9'59	17°17	8° 9	4°11	4°56	7°16	7°41	26°16	3°28	23° 4	17° 3	16°51	26°33	7°22	W 8
T 9	1 12 13	16° 9'07	0♂39	9°26	5°26	5°35	7° 9	7°39	26°14	3°27	23° 4	16°51	16°48	26°40	7°20	T 9
F 10	1 16 10	17° 8'16	14°13	10°42	6°41	6°14	7° 1	7°37	26°12	3°25	23° 4	16°39	16°44	26°46	7°17	F 10
S 11	1 20 7	18° 7'28	27°58	11°57	7°56	6°52	6°54	7°35	26°10	3°24	23° 5	16°31	16°41	26°53	7°14	S 11
S 12	1 24 3	19° 6'42	11♂51	13°10	9°11	7°31	6°47	7°32	26° 7	3°23	23° 5	16°25	16°38	27° 0	7°12	S 12
M13	1 28 0	20° 5'59	25°49	14°21	10°26	8°10	6°39	7°30	26° 5	3°22	23° 5	16°22	16°35	27° 6	7° 9	M13
T 14	1 31 56	21° 5'17	9♂50	15°30	11°41	8°49	6°32	7°27	26° 3	3°21	23° 5	16°21	16°32	27°13	7° 6	T 14
W15	1 35 53	22° 4'39	23°55	16°38	12°56	9°28	6°24	7°25	26° 1	3°20	23° 6	16°21	16°29	27°20	7° 3	W15
T 16	1 39 49	23° 4'02	8♂ 2	17°43	14°10	10° 6	6°17	7°22	25°59	3°20	23° 6	16°20	16°25	27°26	7° 1	T 16
F 17	1 43 46	24° 3'28	22°10	18°47	15°25	10°45	6° 9	7°19	25°57	3°19	23° 6	16°18	16°22	27°33	6°58	F 17
S 18	1 47 42	25° 2'56	6♂18	19°47	16°40	11°24	6° 1	7°16	25°55	3°18	23° 6	16°13	16°19	27°39	6°55	S 18
S 19	1 51 39	26° 2'26	20°23	20°45	17°56	12° 3	5°53	7°13	25°53	3°17	23° 6	16° 6	16°16	27°46	6°52	S 19
M20	1 55 36	27° 1'58	4♂21	21°40	19°11	12°42	5°45	7°10	25°51	3°16	23° 6	15°55	16°13	27°53	6°49	M20
T 21	1 59 32	28° 1'33	18° 9	22°32	20°26	13°21	5°37	7° 7	25°49	3°15	23° 6	15°43	16° 9	27°59	6°46	T 21
W22	2 3 29	29° 1'09	1♂42	23°20	21°41	14° 0	5°29	7° 4	25°47	3°15	23° 7	15°31	16° 6	28° 6	6°44	W22
T 23	2 7 25	0♂ 0'48	14°57	24° 4	22°56	14°39	5°21	7° 0	25°45	3°14	23° 7	15°19	16° 3	28°13	6°41	T 23
F 24	2 11 22	1° 0'28	27°53	24°44	24°11	15°18	5°13	6°57	25°43	3°13	23°R 7	15° 9	16° 0	28°19	6°38	F 24
S 25	2 15 18	2° 0'11	10♂30	25°19	25°26	15°57	5° 5	6°54	25°42	3°12	23° 7	15° 2	15°57	28°26	6°35	S 25
S 26	2 19 15	2°59'55	22°49	25°49	26°41	16°36	4°57	6°50	25°40	3°12	23° 6	14°57	15°54	28°33	6°32	S 26
M27	2 23 11	3°59'41	4♂54	26°12	27°56	17°15	4°49	6°46	25°38	3°11	23° 6	14°55	15°50	28°39	6°29	M27
T 28	2 27 8	4°59'29	16°48	26°30	29°11	17°54	4°40	6°43	25°36	3°11	23° 6	14°D54	15°47	28°46	6°26	T 28
W29	2 31 5	5°59'18	28°36	26°40	0♂27	18°33	4°32	6°39	25°35	3°10	23° 6	14°55	15°44	28°53	6°23	W29
T 30	2 35 1	6°59'10	10♂25	26°R42	1°42	19°12	4°24	6°35	25°33	3°10	23° 6	14°R55	15°41	28°59	6°20	T 30
F 31	2 38 58	7♂59'02	22♂19	26♂37	2♂57	19♂51	4♂16	6♂31	25♂32	3♂ 9	23♂ 6	14♂54	15♂38	29♂ 6	6♂17	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
W 1	3s17	21s34	0n15	12s 3	1s10	3n 7	1n27	0n42	0n57	12n46	1s29	19n32	2s 6	2s 6	0s48	10s47
T 2	3 40	18 19	1 17	12 40	1 17	2 38	1 27	0 27	0 57	12 44	1 29	19 31	2 6	2 7	0 48	10 47
F 3	4 3	14 18	2 16	13 17	1 25	2 9	1 27	0 11	0 57	12 42	1 29	19 31	2 6	2 8	0 48	10 48
S 4	4 26	9 41	3 9	13 52	1 32	1 39	1 27	0s 5	0 56	12 40	1 29	19 30	2 7	2 9	0 48	10 48
S 5	4 49	4 38	3 55	14 27	1 39	1 9	1 28	0 20	0 56	12 37	1 29	19 30	2 7	2 10	0 48	10 48
M 6	5 12	0n43	4 30	15 1	1 46	0 40	1 28	0 36	0 56	12 35	1 30	19 30	2 7	2 11	0 48	10 49
T 7	5 35	6 8	4 53	15 34	1 53	0 10	1 28	0 51	0 55	12 33	1 30	19 29	2 7	2 12	0 48	10 49
W 8	5 58	11 24	5 0	16 6	2 0	0s20	1 27	1 7	0 55	12 31	1 30	19 29	2 7	2 13	0 48	10 50
T 9	6 21	16 14	4 52	16 37	2 6	0 49	1 27	1 23	0 55	12 28	1 30	19 28	2 7	2 14	0 48	10 50
F 10	6 44	20 20	4 27	17 7	2 13	1 19	1 27	1 38	0 55	12 26	1 30	19 28	2 7	2 14	0 48	10 51
S 11	7 6	23 21	3 46	17 36	2 19	1 49	1 27	1 54	0 54	12 23	1 30	19 27	2 7	2 15	0 48	10 51
S 12	7 29	25 1	2 51	18 4	2 25	2 19	1 27	2 9	0 54	12 21	1 30	19 27	2 8	2 16	0 48	10 51
M13	7 51	25 7	1 46	18 31	2 31	2 48	1 26	2 25	0 54	12 19	1 30	19 26	2 8	2 17	0 48	10 52
T 14	8 13	23 37	0 34	18 57	2 36	3 18	1 26	2 40	0 53	12 16	1 30	19 26	2 8	2 18	0 48	10 52
W15	8 35	20 39	0s40	19 22	2 41	3 48	1 25	2 56	0 53	12 14	1 30	19 25	2 8	2 19	0 48	10 52
T 16	8 57	16 26	1 52	19 45	2 46	4 17	1 24	3 11	0 53	12 11	1 30	19 25	2 8	2 19	0 48	10 53
F 17	9 19	11 19	2 57	20 7	2 50	4 47	1 24	3 27	0 52	12 8	1 30	19 24	2 8	2 20	0 47	10 53
S 18	9 41	5 36	3 52	20 28	2 54	5 16	1 23	3 42	0 52	12 6	1 30	19 24	2 8	2 21	0 47	10 53
S 19	10 3	0s21	4 32	20 47	2 58	5 45	1 22	3 58	0 52	12 3	1 30	19 23	2 8	2 22	0 47	10 54
M20	10 24	6 14	4 55	21 5	3 1	6 15	1 21	4 13	0 51	12 1	1 30	19 22	2 8	2 23	0 47	10 54
T 21	10 46	11 44	5 1	21 21	3 4	6 44	1 21	4 29	0 51	11 58	1 30	19 22	2 9	2 23	0 47	10 54
W22	11 7	16 34	4 49	21 35	3 6	7 13	1 20	4 44	0 51	11 55	1 30	19 21	2 9	2 24	0 47	10 54
T 23	11 28	20 29	4 22	21 47	3 7	7 41	1 19	5 0	0 50	11 53	1 30	19 21	2 9	2 25	0 47	10 55
F 24	11 49	23 17	3 42	21 58	3 8	8 10	1 17	5 15	0 50	11 50	1 30	19 20	2 9	2 25	0 47	10 55
S 25	12 10	24 50	2 52	22 6	3 7	8 39	1 16	5 30	0 50	11 47	1 30	19 19	2 9	2 26	0 47	10 55
S 26	12 30	25 8	1 55	22 12	3 6	9 7	1 15	5 45	0 49	11 45	1 30	19 19	2 9	2 27	0 47	10 55
M27	12 50	24 13	0 53	22 16	3 4	9 35	1 14	6 1	0 49	11 42	1 30	19 18	2 9	2 27	0 47	10 56
T 28	13 10	22 12	0n10	22 17	3 1	10 3	1 12	6 16	0 49	11 39	1 30	19 17	2 9	2 28	0 47	10 56
W29	13 30	19 14	1 12	22 15	2 56	10 30	1 11	6 31	0 48	11 37	1 30	19 17	2 9	2 29	0 47	10 56
T 30	13 50	15 30	2 12	22 10	2 51	10 58	1 10	6 46	0 48	11 34	1 30	19 16	2 9	2 29	0 47	10 56
F 31	14s 9	11s 8	3n 6	22s 2	2s43	11s25	1n 8	7s 1	0n48	11n32	1s30	19n15	2s 9	2s30	0s47	10s56

Julian Day Number = 2516466.5, Delta T = 142.79 sec
Ecliptic obliquity = 23°25'01, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°13'27, Lahiri = 26°20'27

ASTRODIENST EPHEMERIS for the year 2177

geocentric

NOVEMBER 2177

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 42 54	8♌58'57	4♋23	26°R22	4♌12	20♌30	4°R 8	6°R27	25°R30	3°R 9	23°R 6	14°R50	15♌35	29♌13	6°R15	S 1
S 2	2 46 51	9°58'53	16°43	25♌58	5°27	21° 9	4♌ 0	6♌23	25♋29	3♋ 8	23♌ 5	14♌45	15°31	29°19	6♌12	S 2
M 3	2 50 47	10°58'50	29°23	25°25	6°43	21°49	3°52	6°19	25°27	3° 8	23° 5	14°37	15°28	29°26	6° 9	M 3
T 4	2 54 44	11°58'50	12♌23	24°43	7°58	22°28	3°44	6°15	25°26	3° 7	23° 5	14°27	15°25	29°32	6° 6	T 4
W 5	2 58 40	12°58'51	25°45	23°51	9°13	23° 7	3°36	6°10	25°24	3° 7	23° 5	14°16	15°22	29°39	6° 3	W 5
T 6	3 2 37	13°58'54	9♌28	22°51	10°28	23°46	3°28	6° 6	25°23	3° 7	23° 4	14° 6	15°19	29°46	6° 0	T 6
F 7	3 6 34	14°58'58	23°27	21°44	11°44	24°25	3°20	6° 2	25°22	3° 7	23° 4	13°57	15°15	29°52	5°57	F 7
S 8	3 10 30	15°59'05	7♌39	20°30	12°59	25° 5	3°13	5°57	25°20	3° 6	23° 4	13°50	15°12	29°59	5°54	S 8
S 9	3 14 27	16°59'14	21°58	19°13	14°14	25°44	3° 5	5°53	25°19	3° 6	23° 3	13°45	15° 9	0♌ 6	5°52	S 9
M10	3 18 23	17°59'24	6♌39	17°54	15°29	26°23	2°57	5°48	25°18	3° 6	23° 3	13°43	15° 6	0°12	5°49	M10
T 11	3 22 20	18°59'37	20°38	16°35	16°45	27° 3	2°50	5°44	25°17	3° 6	23° 2	13°D43	15° 3	0°19	5°46	T 11
W12	3 26 16	19°59'52	4♌52	15°20	18° 0	27°42	2°42	5°39	25°16	3° 6	23° 2	13°44	15° 0	0°26	5°43	W12
T 13	3 30 13	21° 0'08	19° 0	14°11	19°15	28°21	2°35	5°35	25°15	3° 6	23° 2	13°R45	14°56	0°32	5°40	T 13
F 14	3 34 9	22° 0'27	3♌ 1	13° 9	20°31	29° 1	2°28	5°30	25°14	3°D 6	23° 1	13°44	14°53	0°39	5°38	F 14
S 15	3 38 6	23° 0'47	16°52	12°17	21°46	29°40	2°21	5°25	25°13	3° 6	23° 0	13°42	14°50	0°46	5°35	S 15
S 16	3 42 3	24° 1'10	0♌35	11°36	23° 1	0♌20	2°14	5°20	25°12	3° 6	23° 0	13°37	14°47	0°52	5°32	S 16
M17	3 45 59	25° 1'34	14° 8	11° 7	24°17	0°59	2° 7	5°16	25°11	3° 6	22°59	13°30	14°44	0°59	5°29	M17
T 18	3 49 56	26° 2'00	27°29	10°49	25°32	1°39	2° 0	5°11	25°10	3° 6	22°59	13°22	14°41	1° 6	5°27	T 18
W19	3 53 52	27° 2'28	10♌38	10°D42	26°48	2°18	1°53	5° 6	25° 9	3° 6	22°58	13°13	14°37	1°12	5°24	W19
T 20	3 57 49	28° 2'58	23°33	10°47	28° 3	2°58	1°47	5° 1	25° 9	3° 6	22°58	13° 5	14°34	1°19	5°21	T 20
F 21	4 1 45	29° 3'29	6♌13	11° 2	29°18	3°37	1°40	4°56	25° 8	3° 7	22°57	12°58	14°31	1°26	5°19	F 21
S 22	4 5 42	0♌40	18°38	11°27	0♌34	4°17	1°34	4°51	25° 7	3° 7	22°56	12°53	14°28	1°32	5°16	S 22
S 23	4 9 38	1° 4'36	0♌50	12° 1	1°49	4°57	1°28	4°46	25° 7	3° 7	22°55	12°50	14°25	1°39	5°14	S 23
M24	4 13 35	2° 5'12	12°50	12°42	3° 5	5°36	1°22	4°42	25° 6	3° 8	22°55	12°D49	14°21	1°46	5°11	M24
T 25	4 17 32	3° 5'49	24°42	13°31	4°20	6°16	1°16	4°37	25° 6	3° 8	22°54	12°50	14°18	1°52	5° 9	T 25
W26	4 21 28	4° 6'27	6♌30	14°26	5°35	6°56	1°11	4°32	25° 5	3° 8	22°53	12°52	14°15	1°59	5° 6	W26
T 27	4 25 25	5° 7'06	18°18	15°26	6°51	7°35	1° 5	4°27	25° 5	3° 9	22°52	12°54	14°12	2° 5	5° 4	T 27
F 28	4 29 21	6° 7'46	0♌11	16°31	8° 6	8°15	1° 0	4°22	25° 5	3° 9	22°52	12°55	14° 9	2°12	5° 1	F 28
S 29	4 33 18	7° 8'28	12°14	17°39	9°22	8°55	0°55	4°17	25° 4	3°10	22°51	12°R55	14° 6	2°19	4°59	S 29
S 30	4 37 14	8♌9'10	24♌32	18♌52	10♌37	9♌34	0♌50	4♌12	25♋ 4	3♋10	22♌50	12♌53	14♌ 2	2♌25	4♌57	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	14s29	6s17	3n52	21s50	2s35	11s52	1n 7	7s16	0n47	11n29	1s29	19n14	2s 9	2s30	0s47	10s56	0s38	21n 9	0s17	22s36	22s31	19s 6	12n57	0s40			
S 2	14 48	1 6	4 29	21 34	2 24	12 18	1 5	7 31	0 47	11 26	1 29	19 14	2 9	2 31	0 47	10 57	0 38	21 9	0 17	22 36	22 31	19 4	12 56	0 40			
M 3	15 6	4n14	4 53	21 15	2 12	12 45	1 4	7 46	0 47	11 24	1 29	19 13	2 9	2 32	0 47	10 57	0 38	21 10	0 17	22 37	22 31	19 2	12 55	0 41			
T 4	15 25	9 33	5 4	20 51	1 59	13 11	1 2	8 1	0 46	11 21	1 29	19 12	2 10	2 32	0 47	10 57	0 38	21 10	0 17	22 38	22 32	19 0	12 54	0 41			
W 5	15 43	14 34	4 58	20 23	1 43	13 36	1 0	8 16	0 46	11 19	1 29	19 11	2 10	2 33	0 47	10 57	0 38	21 10	0 17	22 39	22 32	18 58	12 53	0 41			
T 6	16 1	18 58	4 35	19 52	1 26	14 1	0 58	8 31	0 45	11 16	1 29	19 11	2 10	2 33	0 47	10 57	0 38	21 10	0 17	22 40	22 32	18 55	12 52	0 41			
F 7	16 19	22 25	3 55	19 17	1 8	14 26	0 57	8 46	0 45	11 14	1 29	19 10	2 10	2 34	0 47	10 57	0 38	21 10	0 17	22 41	22 33	18 53	12 51	0 41			
S 8	16 36	24 32	3 1	18 38	0 49	14 51	0 55	9 0	0 45	11 11	1 29	19 9	2 10	2 34	0 47	10 57	0 38	21 10	0 17	22 42	22 33	18 51	12 50	0 41			
S 9	16 54	25 4	1 54	17 58	0 28	15 15	0 53	9 15	0 44	11 9	1 28	19 8	2 10	2 35	0 47	10 57	0 38	21 10	0 17	22 42	22 33	18 49	12 49	0 41			
M10	17 10	23 56	0 40	17 16	0 8	15 39	0 51	9 30	0 44	11 6	1 28	19 8	2 10	2 35	0 47	10 57	0 38	21 10	0 17	22 43	22 34	18 46	12 48	0 41			
T 11	17 27	21 13	0s37	16 34	0n13	16 3	0 49	9 44	0 43	11 4	1 28	19 7	2 10	2 35	0 47	10 57	0 38	21 10	0 17	22 43	22 34	18 44	12 47	0 41			
W12	17 43	17 14	1 51	15 54	0 33	16 26	0 47	9 59	0 43	11 1	1 28	19 6	2 10	2 36	0 47	10 57	0 38	21 11	0 17	22 43	22 34	18 42	12 46	0 41			
T 13	17 59	12 17	2 58	15 15	0 52	16 48	0 45	10 13	0 43	10 59	1 28	19 5	2 10	2 36	0 47	10 57	0 38	21 11	0 17	22 42	22 35	18 40	12 45	0 41			
F 14	18 15	6 45	3 54	14 40	1 10	17 10	0 43	10 27	0 42	10 57	1 28	19 4	2 10	2 37	0 47	10 57	0 38	21 11	0 17	22 43	22 35	18 37	12 44	0 41			
S 15	18 31	0 57	4 35	14 9	1 26	17 32	0 41	10 42	0 42	10 54	1 27	19 4	2 10	2 37	0 47	10 57	0 38	21 11	0 17	22 43	22 36	18 35	12 43	0 41			
S 16	18 46	4s49	5 0	13 43	1 40	17 53	0 39	10 56	0 41	10 52	1 27	19 3	2 10	2 37	0 47	10 57	0 38	21 11	0 17	22 43	22 36	18 33	12 42	0 41			
M17	19 0	10 17	5 7	13 22	1 52	18 14	0 36	11 10	0 41	10 50	1 27	19 2	2 10	2 38	0 47	10 57	0 38	21 11	0 17	22 44	22 36	18 31	12 41	0 42			
T 18	19 15	15 12	4 58	13 7	2 2	18 34	0 34	11 24	0 41	10 48	1 27	19 1	2 10	2 38	0 47	10 57	0 38	21 11	0 16	22 45	22 37	18 28	12 40	0 42			
W19	19 29	19 19	4 33	12 57	2 11	18 54	0 32	11 38	0 40	10 46	1 27	19 0	2 10	2 38	0 46	10 57	0 38	21 12	0 16	22 46	22 37	18 26	12 39	0 42			
T 20	19 42	22 26	3 55	12 52	2 17	19 13	0 30	11 52	0 40	10 44	1 26	18 59	2 10	2 38	0 46	10 57	0 38	21 12	0 16	22 46	22 37	18 24	12 38	0 42			
F 21	19 56	24 22	3 5	12 53	2 22	19 32	0 28	12 6	0 39	10 42	1 26	18 59	2 10	2 39	0 46	10 57	0 38	21 12	0 16	22 47	22 38	18 22	12 37	0 42			
S 22	20 9	25 3	2 8	12 57	2 25	19 50	0 25	12 20	0 39	10 40	1 26	18 58	2 9	2 39	0 46	10 57	0 38	21 12	0 16	22 48	22 38	18 19	12 36	0 42			
S 23	20 21	24 30	1 5	13 6	2 26	20 8	0 23	12 33	0 38	10 38	1 26	18 57	2 9	2 39	0 46	10 57	0 38	21 12	0 16	22 48	22 38	18 17	12 36	0 42			
M24	20 34	22 48	0n 0	13 18	2 27	20 25	0 21	12 47	0 38	10 36	1 26	18 56	2 9	2 39	0 46	10 57	0 38	21 12	0 16	22 48	22 39	18 15	12 35	0 42			
T 25	20 45	20 7	1 4	13 34	2 26	20 41	0 18	13 0	0 38	10 34	1 25	18 55	2 9	2 39	0 46	10 56	0 38	21 13	0 16	22 48	22 39	18 12	12 34	0 42			
W26	20 57	16 36	2 6	13 52	2 24	20 57	0 16	13 14	0 37	10 33	1 25	18 54	2 9	2 39	0 46	10 56	0 38	21 13	0 16	22 48	22 39	18 10	12 33	0 42			
T 27	21 8	12 27	3 1	14 12	2 21	21 12	0 14	13 27	0 37	10 31	1 25	18 54	2 9	2 40	0 46	10 56	0 38	21 13	0 16	22 48	22 40	18 8	12 32	0 42			
F 28	21 19	7 49	3 50	14 34	2 18	21 27	0 11	13 40	0 36	10 29	1 25	18 53	2 9	2 40	0 46	10 56	0 38	21 13	0 16	22 47	22 40	18 6	12 31	0 42			
S 29	21 29	2 49	4 29	14 57	2 13	21 41	0 9	13 53	0 36	10 28	1 24	18 52	2 9	2 40	0 46	10 56	0 38	21 13	0 16	22 47	22 40	18 3	12 30	0 42			
S 30	21s39	2n22	4n57	15s21	2n 9	21s55	0n 7	14s 6	0n35	10n26	1s24	18n51	2s 9	2s40	0s46	10s56	0s38	21n14	0s16	22s48	22s41	18s 1	12n29	0s42			

ASTRODIENST EPHEMERIS for the year 2177

geocentric

DECEMBER 2177

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 41 11	9♂ 9'54	7♂10	20♂ 7	11♂52	10♂14	0°R45	4°R 7	25°R 4	3♂11	22°R49	12°R50	13♂59	2♂32	4°R54	M 1
T 2	4 45 7	10°10'38	20°12	21°25	13° 8	10°54	0♂40	4♂ 2	25°R 4	3°11	22°R48	12♂46	13°56	2°39	4♂52	T 2
W 3	4 49 4	11°11'23	3♂39	22°45	14°23	11°34	0°36	3°58	25° 4	3°12	22°47	12°41	13°53	2°45	4°50	W 3
T 4	4 53 1	12°12'10	17°31	24° 7	15°39	12°14	0°31	3°53	25°D 4	3°13	22°47	12°36	13°50	2°52	4°48	T 4
F 5	4 56 57	13°12'58	1♂46	25°31	16°54	12°54	0°27	3°48	25° 4	3°13	22°46	12°32	13°47	2°59	4°46	F 5
S 6	5 0 54	14°13'47	16°19	26°56	18° 9	13°33	0°24	3°43	25° 4	3°14	22°45	12°28	13°43	3° 5	4°43	S 6
S 7	5 4 50	15°14'36	1♂ 3	28°22	19°25	14°13	0°20	3°38	25° 4	3°15	22°44	12°26	13°40	3°12	4°41	S 7
M 8	5 8 47	16°15'28	15°52	29°49	20°40	14°53	0°16	3°34	25° 4	3°16	22°43	12°D26	13°37	3°19	4°39	M 8
T 9	5 12 43	17°16'20	0♂237	1♂17	21°56	15°33	0°13	3°29	25° 4	3°17	22°42	12°27	13°34	3°25	4°37	T 9
W10	5 16 40	18°17'13	15°13	2°46	23°11	16°13	0°10	3°24	25° 5	3°17	22°41	12°28	13°31	3°32	4°36	W10
T 11	5 20 36	19°18'08	29°36	4°15	24°26	16°53	0° 7	3°20	25° 5	3°18	22°40	12°30	13°27	3°39	4°34	T 11
F 12	5 24 33	20°19'04	13♂43	5°45	25°42	17°33	0° 4	3°15	25° 5	3°19	22°39	12°31	13°24	3°45	4°32	F 12
S 13	5 28 30	21°20'01	27°32	7°15	26°57	18°13	0° 2	3°10	25° 6	3°20	22°38	12°R31	13°21	3°52	4°30	S 13
S 14	5 32 26	22°20'59	11♂ 4	8°46	28°13	18°53	29°V59	3° 6	25° 6	3°21	22°37	12°30	13°18	3°59	4°28	S 14
M15	5 36 23	23°21'59	24°19	10°17	29°28	19°34	29°57	3° 2	25° 7	3°22	22°35	12°28	13°15	4° 5	4°27	M15
T 16	5 40 19	24°22'59	7♂20	11°48	0♂44	20°14	29°55	2°57	25° 7	3°23	22°34	12°25	13°12	4°12	4°25	T 16
W17	5 44 16	25°24'01	20° 6	13°19	1°59	20°54	29°54	2°53	25° 8	3°24	22°33	12°22	13° 8	4°19	4°23	W17
T 18	5 48 12	26°25'03	2♂39	14°51	3°14	21°34	29°52	2°48	25° 9	3°25	22°32	12°20	13° 5	4°25	4°22	T 18
F 19	5 52 9	27°26'07	15° 1	16°23	4°30	22°14	29°51	2°44	25° 9	3°27	22°31	12°18	13° 2	4°32	4°20	F 19
S 20	5 56 6	28°27'11	27°12	17°55	5°45	22°54	29°50	2°40	25°10	3°28	22°30	12°16	12°59	4°39	4°19	S 20
S 21	6 0 2	29°28'16	9♂14	19°27	7° 1	23°35	29°49	2°36	25°11	3°29	22°29	12°D16	12°56	4°45	4°18	S 21
M22	6 3 59	0♂29'21	21° 8	21° 0	8°16	24°15	29°48	2°32	25°12	3°30	22°28	12°16	12°53	4°52	4°16	M22
T 23	6 7 55	1°30'27	2♂58	22°32	9°32	24°55	29°48	2°28	25°13	3°32	22°26	12°17	12°49	4°58	4°15	T 23
W24	6 11 52	2°31'33	14°45	24° 5	10°47	25°36	29°48	2°24	25°14	3°33	22°25	12°18	12°46	5° 5	4°14	W24
T 25	6 15 48	3°32'39	26°33	25°38	12° 2	26°16	29°D48	2°20	25°15	3°34	22°24	12°19	12°43	5°12	4°13	T 25
F 26	6 19 45	4°33'46	8♂26	27°12	13°18	26°56	29°48	2°16	25°16	3°36	22°23	12°20	12°40	5°18	4°12	F 26
S 27	6 23 41	5°34'53	20°27	28°45	14°33	27°37	29°48	2°13	25°17	3°37	22°22	12°20	12°37	5°25	4°10	S 27
S 28	6 27 38	6°36'00	2♂42	0♂19	15°49	28°17	29°49	2° 9	25°18	3°38	22°20	12°R21	12°33	5°32	4°10	S 28
M29	6 31 35	7°37'07	15°15	1°53	17° 4	28°57	29°50	2° 6	25°20	3°40	22°19	12°21	12°30	5°38	4° 9	M29
T 30	6 35 31	8°38'14	28°10	3°27	18°19	29°38	29°51	2° 2	25°21	3°41	22°18	12°20	12°27	5°45	4° 8	T 30
W31	6 39 28	9♂39'21	11♂30	5♂ 1	19♂35	0♂18	29°V52	1♂59	25°R22	3♂43	22°R17	12♂20	12♂24	5♂52	4♂ 7	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	21s48	7n36	5n11	15s47	2n 3	22s 7	0n 4	14s19	0n35	10n25	1s24	18n50	2s 9	2s40	0s46	10s55	0s38
T 2	21 57	12 40	5 10	16 13	1 57	22 19	0 2	14 32	0 34	10 23	1 23	18 50	2 9	2 40	0 46	10 55	0 38
W 3	22 6	17 18	4 52	16 39	1 51	22 31	0s 1	14 45	0 34	10 22	1 23	18 49	2 9	2 40	0 46	10 55	0 38
T 4	22 14	21 9	4 17	17 5	1 45	22 42	0 3	14 58	0 33	10 21	1 23	18 48	2 9	2 40	0 46	10 55	0 38
F 5	22 22	23 50	3 25	17 32	1 38	22 52	0 5	15 10	0 33	10 20	1 23	18 47	2 8	2 40	0 46	10 54	0 38
S 6	22 29	25 1	2 19	17 58	1 31	23 1	0 8	15 23	0 32	10 19	1 22	18 46	2 8	2 40	0 46	10 54	0 38
S 7	22 36	24 27	1 2	18 24	1 24	23 10	0 10	15 35	0 32	10 18	1 22	18 46	2 8	2 40	0 46	10 54	0 38
M 8	22 42	22 10	0s19	18 50	1 17	23 18	0 13	15 47	0 31	10 17	1 22	18 45	2 8	2 39	0 46	10 53	0 38
T 9	22 48	18 24	1 39	19 15	1 10	23 25	0 15	15 59	0 31	10 16	1 22	18 44	2 8	2 39	0 46	10 53	0 38
W10	22 54	13 32	2 51	19 40	1 3	23 32	0 17	16 11	0 30	10 15	1 21	18 43	2 8	2 39	0 46	10 53	0 38
T 11	22 59	7 59	3 51	20 4	0 55	23 38	0 20	16 23	0 30	10 14	1 21	18 43	2 8	2 39	0 46	10 53	0 38
F 12	23 4	2 8	4 37	20 28	0 48	23 43	0 22	16 35	0 29	10 14	1 21	18 42	2 7	2 39	0 46	10 52	0 38
S 13	23 8	3s41	5 5	20 50	0 40	23 47	0 24	16 47	0 29	10 13	1 20	18 41	2 7	2 39	0 45	10 52	0 38
S 14	23 12	9 13	5 16	21 12	0 33	23 51	0 27	16 58	0 28	10 13	1 20	18 41	2 7	2 38	0 45	10 51	0 38
M15	23 15	14 12	5 9	21 33	0 26	23 54	0 29	17 10	0 28	10 12	1 20	18 40	2 7	2 38	0 45	10 51	0 38
T 16	23 18	18 27	4 46	21 53	0 18	23 56	0 31	17 21	0 27	10 12	1 19	18 39	2 7	2 38	0 45	10 51	0 38
W17	23 20	21 46	4 10	22 12	0 11	23 58	0 34	17 32	0 27	10 11	1 19	18 39	2 7	2 38	0 45	10 50	0 38
T 18	23 22	23 58	3 22	22 29	0 4	23 58	0 36	17 43	0 26	10 11	1 19	18 38	2 7	2 37	0 45	10 50	0 38
F 19	23 24	24 59	2 25	22 46	0s 3	23 59	0 38	17 54	0 26	10 11	1 19	18 37	2 6	2 37	0 45	10 49	0 38
S 20	23 24	24 46	1 23	23 2	0 10	23 58	0 40	18 5	0 25	10 11	1 18	18 37	2 6	2 37	0 45	10 49	0 38
S 21	23 25	23 23	0 17	23 17	0 17	23 56	0 42	18 15	0 25	10 11	1 18	18 36	2 6	2 36	0 45	10 49	0 38
M22	23 25	20 57	0n49	23 30	0 24	23 54	0 45	18 26	0 24	10 11	1 18	18 35	2 6	2 36	0 45	10 48	0 38
T 23	23 24	17 39	1 52	23 43	0 30	23 51	0 47	18 36	0 23	10 11	1 17	18 35	2 6	2 35	0 45	10 48	0 38
W24	23 24	13 40	2 51	23 54	0 37	23 47	0 49	18 46	0 23	10 11	1 17	18 34	2 5	2 35	0 45	10 47	0 38
T 25	23 22	9 10	3 42	24 4	0 43	23 43	0 51	18 56	0 22	10 12	1 17	18 34	2 5	2 34	0 45	10 47	0 38
F 26	23 20	4 19	4 24	24 13	0 49	23 38	0 53	19 6	0 22	10 12	1 16	18 33	2 5	2 34	0 45	10 46	0 38
S 27	23 18	0n45	4 55	24 20	0 56	23 32	0 55	19 16	0 21	10 12	1 16	18 33	2 5	2 34	0 45	10 46	0 38
S 28	23 15	5 52	5 13	24 26	1 1	23 25	0 57	19 25	0 21	10 13	1 16	18 32	2 5	2 33	0 45	10 45	0 38
M29	23 12	10 53	5 18	24 31	1 7	23 18	0 59	19 35	0 20	10 13	1 15	18 32	2 4	2 32	0 45	10 45	0 38
T 30	23 8	15 34	5 6	24 35	1 13	23 10	1 1	19 44	0 19	10 14	1 15	18 31	2 4	2 32	0 45	10 44	0 38
W31	23s 4	19n40	4n38	24s37	1s18	23s 1	1s 2	19s53	0n19	10n15	1s15	18n31	2s 4	2s31	0s45	10s43	0s38

Julian Day Number = 2516527.5, Delta T = 142.93 sec
 Ecliptic obliquity = 23°25'00, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°13'35, Lahiri = 26°20'36