



Astrodienst Ephemeris Tables for the year 2217

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 2217
geocentric

JANUARY 2217

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 41 39	10 ³¹ 11'54	29 ¹¹ 15	0 ²³ 23	13 ³⁸ 0	20 ¹¹ 44	5 ¹⁸ 47	17 ¹² 53	18 ¹⁸ 18	1 ¹⁸ 1	28 ¹⁸ 38	9 ¹⁸ 19	8 ¹⁸ 5	2 ²⁵ 47	26 ¹⁸ 45	W 1
T 2	6 45 36	11°13'02	12 ¹² 18	1°56	13° 9	20°59	5 ¹¹ 45	17°55	18 ¹¹ 17	1 ¹¹ 0	28 ¹¹ 38	9°D19	8° 1	2°54	26°46	T 2
F 3	6 49 32	12°14'10	25°42	3°29	13°16	21°13	5°42	17°58	18°17	0°59	28°38	9 ¹⁸ 19	7°58	3° 0	26°48	F 3
S 4	6 53 29	13°15'19	9 ¹¹ 31	5° 2	13°20	21°26	5°40	18° 1	18°16	0°57	28°38	9°21	7°55	3° 7	26°49	S 4
S 5	6 57 25	14°16'28	23°45	6°36	13°R21	21°39	5°37	18° 3	18°15	0°56	28°38	9°22	7°52	3°14	26°51	S 5
M 6	7 1 22	15°17'38	8 ¹² 23	8°10	13°21	21°51	5°35	18° 5	18°15	0°55	28°38	9°R23	7°49	3°20	26°52	M 6
T 7	7 5 18	16°18'48	23°21	9°44	13°18	22° 3	5°32	18° 8	18°14	0°54	28°38	9°22	7°45	3°27	26°54	T 7
W 8	7 9 15	17°19'58	8 ¹³ 32	11°18	13°12	22°14	5°28	18°10	18°13	0°53	28°37	9°20	7°42	3°34	26°56	W 8
T 9	7 13 11	18°21'09	23°46	12°53	13° 4	22°25	5°25	18°12	18°12	0°52	28°37	9°15	7°39	3°40	26°57	T 9
F 10	7 17 8	19°22'19	8 ¹⁴ 54	14°29	12°53	22°35	5°21	18°14	18°11	0°51	28°37	9° 9	7°36	3°47	26°59	F 10
S 11	7 21 5	20°23'28	23°44	16° 4	12°40	22°44	5°18	18°15	18°10	0°50	28°36	9° 3	7°33	3°54	27° 1	S 11
S 12	7 25 1	21°24'38	8 ¹⁵ 11	17°40	12°24	22°53	5°14	18°17	18° 9	0°49	28°36	8°56	7°30	4° 0	27° 3	S 12
M13	7 28 58	22°25'47	22° 8	19°17	12° 6	23° 1	5°10	18°19	18° 8	0°48	28°36	8°51	7°26	4° 7	27° 5	M13
T 14	7 32 54	23°26'55	5 ¹⁶ 37	20°54	11°46	23° 9	5° 5	18°20	18° 7	0°47	28°35	8°47	7°23	4°14	27° 7	T 14
W15	7 36 51	24°28'03	18°37	22°31	11°23	23°16	5° 1	18°22	18° 6	0°46	28°35	8°46	7°20	4°20	27° 9	W15
T 16	7 40 47	25°29'11	1 ¹⁸ 13	24° 9	10°58	23°22	4°56	18°23	18° 5	0°46	28°34	8°D46	7°17	4°27	27°11	T 16
F 17	7 44 44	26°30'17	13°30	25°48	10°31	23°28	4°51	18°24	18° 3	0°45	28°34	8°47	7°14	4°34	27°13	F 17
S 18	7 48 40	27°31'24	25°32	27°26	10° 2	23°33	4°47	18°25	18° 2	0°44	28°33	8°48	7°11	4°40	27°15	S 18
S 19	7 52 37	28°32'29	7 ¹⁹ 25	29° 6	9°32	23°37	4°41	18°26	18° 1	0°43	28°33	8°R49	7° 7	4°47	27°18	S 19
M20	7 56 34	29°33'34	19°12	0 ²⁰ 45	8°59	23°40	4°36	18°27	17°59	0°43	28°32	8°48	7° 4	4°54	27°20	M20
T 21	8 0 30	0 ²¹ 34'39	0 ²¹ 59	2°26	8°26	23°43	4°31	18°28	17°58	0°42	28°31	8°45	7° 1	5° 0	27°22	T 21
W22	8 4 27	1°35'42	12°48	4° 6	7°51	23°45	4°25	18°28	17°56	0°41	28°31	8°40	6°58	5° 7	27°24	W22
T 23	8 8 23	2°36'45	24°42	5°48	7°15	23°46	4°19	18°29	17°55	0°41	28°30	8°32	6°55	5°14	27°27	T 23
F 24	8 12 20	3°37'48	6 ²² 43	7°30	6°39	23°R47	4°14	18°29	17°53	0°40	28°29	8°23	6°51	5°20	27°29	F 24
S 25	8 16 16	4°38'50	18°51	9°12	6° 2	23°47	4° 8	18°30	17°52	0°39	28°28	8°12	6°48	5°27	27°32	S 25
S 26	8 20 13	5°39'51	1 ²⁰ 9	10°55	5°25	23°46	4° 1	18°30	17°50	0°39	28°28	8° 0	6°45	5°34	27°34	S 26
M27	8 24 9	6°40'51	13°36	12°38	4°48	23°44	3°55	18°30	17°48	0°38	28°27	7°50	6°42	5°40	27°37	M27
T 28	8 28 6	7°41'51	26°13	14°21	4°11	23°42	3°49	18°R30	17°46	0°38	28°26	7°41	6°39	5°47	27°39	T 28
W29	8 32 3	8°42'51	9 ²² 4	16° 5	3°35	23°39	3°42	18°30	17°45	0°38	28°25	7°34	6°36	5°54	27°42	W29
T 30	8 35 59	9°43'49	2 ²² 8	17°50	3° 0	23°35	3°36	18°30	17°43	0°37	28°24	7°30	6°32	6° 0	27°45	T 30
F 31	8 39 56	10 ²³ 44'48	5 ²³ 28	19 ²³ 34	2 ²⁴ 26	23 ²⁴ 30	3 ²⁴ 29	18 ²⁴ 29	17 ²⁴ 41	0 ²⁴ 37	28 ²⁴ 23	7°D29	6 ²⁴ 29	6 ²⁴ 7	27 ²⁴ 47	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	23s 1	4s13	4s55	24s 8	0s44	16s 6	0n50	6n21	2n56	10n20	1n 1	4s48	2n23	5n21	0n48	18n40
T 2	22 56	8 53	4 23	24 14	0 50	15 51	1 3	6 17	2 57	10 21	1 1	4 48	2 24	5 21	0 48	18 40
F 3	22 51	13 17	3 37	24 18	0 56	15 36	1 16	6 13	2 59	10 22	1 2	4 49	2 24	5 22	0 48	18 40
S 4	22 45	17 6	2 36	24 21	1 2	15 22	1 30	6 10	3 1	10 23	1 2	4 50	2 24	5 22	0 48	18 39
S 5	22 39	20 3	1 25	24 22	1 8	15 8	1 44	6 6	3 2	10 24	1 2	4 51	2 25	5 22	0 48	18 39
M 6	22 32	21 46	0 6	24 23	1 13	14 55	1 58	6 3	3 4	10 25	1 3	4 51	2 25	5 23	0 48	18 39
T 7	22 25	21 59	1n15	24 22	1 19	14 42	2 12	6 0	3 6	10 27	1 3	4 52	2 25	5 23	0 48	18 39
W 8	22 17	20 36	2 32	24 19	1 24	14 29	2 27	5 57	3 8	10 28	1 3	4 52	2 25	5 23	0 48	18 39
T 9	22 9	17 44	3 38	24 15	1 28	14 17	2 42	5 54	3 9	10 30	1 3	4 53	2 26	5 24	0 48	18 38
F 10	22 1	13 42	4 28	24 10	1 33	14 5	2 57	5 52	3 11	10 31	1 4	4 53	2 26	5 24	0 48	18 38
S 11	21 52	8 53	4 59	24 3	1 37	13 54	3 12	5 50	3 13	10 33	1 4	4 54	2 26	5 24	0 48	18 38
S 12	21 43	3 42	5 10	23 55	1 41	13 44	3 28	5 48	3 15	10 35	1 4	4 54	2 26	5 25	0 48	18 38
M13	21 33	1n30	5 2	23 46	1 45	13 34	3 43	5 46	3 16	10 36	1 4	4 54	2 27	5 25	0 48	18 38
T 14	21 23	6 28	4 37	23 35	1 49	13 25	3 59	5 45	3 18	10 38	1 4	4 55	2 27	5 26	0 48	18 38
W15	21 12	10 58	3 58	23 22	1 52	13 16	4 14	5 44	3 20	10 40	1 5	4 55	2 27	5 26	0 48	18 38
T 16	21 1	14 50	3 9	23 8	1 55	13 8	4 29	5 43	3 22	10 42	1 5	4 55	2 28	5 27	0 48	18 37
F 17	20 50	17 59	2 13	22 53	1 58	13 1	4 44	5 42	3 23	10 44	1 5	4 55	2 28	5 27	0 48	18 37
S 18	20 38	20 16	1 11	22 36	2 0	12 54	4 59	5 42	3 25	10 46	1 5	4 56	2 28	5 28	0 48	18 37
S 19	20 26	21 39	0 8	22 18	2 2	12 48	5 14	5 42	3 27	10 48	1 6	4 56	2 28	5 28	0 48	18 37
M20	20 13	22 3	0s56	21 58	2 3	12 43	5 28	5 42	3 29	10 50	1 6	4 56	2 29	5 29	0 48	18 37
T 21	20 0	21 28	1 57	21 37	2 5	12 38	5 42	5 43	3 31	10 52	1 6	4 56	2 29	5 30	0 48	18 37
W22	19 47	19 56	2 52	21 14	2 5	12 34	5 55	5 44	3 32	10 54	1 6	4 56	2 29	5 30	0 48	18 37
T 23	19 33	17 32	3 41	20 50	2 6	12 30	6 7	5 45	3 34	10 57	1 7	4 56	2 30	5 31	0 48	18 37
F 24	19 19	14 22	4 20	20 24	2 6	12 28	6 19	5 46	3 36	10 59	1 7	4 56	2 30	5 32	0 48	18 37
S 25	19 5	10 36	4 48	19 57	2 5	12 26	6 31	5 48	3 38	11 1	1 7	4 56	2 30	5 32	0 48	18 37
S 26	18 50	6 20	5 2	19 28	2 5	12 24	6 41	5 50	3 39	11 4	1 7	4 55	2 30	5 33	0 48	18 37
M27	18 35	1 47	5 3	18 58	2 3	12 23	6 51	5 52	3 41	11 6	1 7	4 55	2 31	5 34	0 49	18 37
T 28	18 19	2s55	4 49	18 26	2 1	12 23	7 0	5 54	3 43	11 9	1 8	4 55	2 31	5 34	0 49	18 37
W29	18 4	7 34	4 20	17 53	1 59	12 23	7 8	5 57	3 45	11 11	1 8	4 55	2 31	5 35	0 49	18 37
T 30	17 48	11 58	3 37	17 19	1 56	12 24	7 15	6 0	3 46	11 14	1 8	4 54	2 32	5 36	0 49	18 37
F 31	17s31	15s52	2s42	16s43	1s52	12s25	7n21	6n 4	3n48	11n17	1n 8	4s54	2n32	5n37	0n49	18n36

Julian Day Number = 2530802.5, Delta T = 180.57 sec
Ecliptic obliquity = 23°24'36, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 27°46'23, Lahiri = 26°53'23

ASTRODIENST EPHEMERIS for the year 2217

geocentric

FEBRUARY 2217

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 43 52	11°45'46	19°11' 6	21°19'19	1°R53	23°R25	3°R22	18°R29	17°R39	0°R36	28°R22	7°R29	6°R26	6°R14	27°R50	S 1
S 2	8 47 49	12°46'43	3°R 5	23° 3	1°R22	23°R18	3°R15	18°R29	17°R37	0°R36	28°R21	7°R29	6°R23	6°R20	27°R53	S 2
M 3	8 51 45	13°47'40	17°23	24°48	0°52	23°11	3° 8	18°28	17°35	0°36	28°20	7°29	6°20	6°27	27°56	M 3
T 4	8 55 42	14°48'36	2°R 1	26°32	0°24	23° 3	3° 1	18°27	17°33	0°36	28°19	7°27	6°17	6°34	27°59	T 4
W 5	8 59 39	15°49'31	16°53	28°16	29°R59	22°54	2°54	18°26	17°31	0°35	28°18	7°22	6°13	6°40	28° 1	W 5
T 6	9 3 35	16°50'26	1°R52	29°59	29°35	22°45	2°46	18°25	17°29	0°35	28°17	7°14	6°10	6°47	28° 4	T 6
F 7	9 7 32	17°51'19	16°51	1°R40	29°14	22°34	2°39	18°24	17°26	0°35	28°16	7° 4	6° 7	6°54	28° 7	F 7
S 8	9 11 28	18°52'11	1°R38	3°21	28°55	22°23	2°31	18°23	17°24	0°35	28°15	6°53	6° 4	7° 0	28°10	S 8
S 9	9 15 25	19°53'02	16° 7	5° 0	28°38	22°11	2°24	18°22	17°22	0°35	28°14	6°41	6° 1	7° 7	28°13	S 9
M10	9 19 21	20°53'52	0°R10	6°37	28°24	21°59	2°16	18°20	17°20	0°D35	28°12	6°31	5°57	7°14	28°16	M10
T 11	9 23 18	21°54'40	13°45	8°11	28°12	21°45	2° 9	18°19	17°18	0°35	28°11	6°24	5°54	7°20	28°20	T 11
W12	9 27 14	22°55'27	26°51	9°42	28° 3	21°31	2° 1	18°17	17°15	0°35	28°10	6°18	5°51	7°27	28°23	W12
T 13	9 31 11	23°56'12	9°R32	11° 9	27°56	21°16	1°53	18°16	17°13	0°35	28° 9	6°16	5°48	7°34	28°26	T 13
F 14	9 35 7	24°56'56	21°52	12°32	27°52	21° 0	1°45	18°14	17°11	0°35	28° 7	6°D15	5°45	7°40	28°29	F 14
S 15	9 39 4	25°57'38	3°R55	13°49	27°D50	20°44	1°37	18°12	17° 8	0°36	28° 6	6°R15	5°42	7°47	28°32	S 15
S 16	9 43 1	26°58'19	15°48	15° 1	27°50	20°27	1°30	18°10	17° 6	0°36	28° 5	6°15	5°38	7°54	28°35	S 16
M17	9 46 57	27°58'58	27°36	16° 7	27°53	20° 9	1°22	18° 8	17° 3	0°36	28° 3	6°13	5°35	8° 0	28°39	M17
T 18	9 50 54	28°59'35	9°R23	17° 5	27°58	19°51	1°14	18° 6	17° 1	0°36	28° 2	6° 9	5°32	8° 7	28°42	T 18
W19	9 54 50	0°R11	21°15	17°55	28° 6	19°32	1° 6	18° 4	16°59	0°37	28° 1	6° 2	5°29	8°14	28°45	W19
T 20	9 58 47	1° 0'46	3°R14	18°37	28°16	19°13	0°58	18° 1	16°56	0°37	27°59	5°52	5°26	8°20	28°48	T 20
F 21	10 2 43	2° 1'18	15°24	19° 9	28°28	18°53	0°50	17°59	16°54	0°37	27°58	5°40	5°23	8°27	28°52	F 21
S 22	10 6 40	3° 1'49	27°45	19°32	28°42	18°32	0°42	17°56	16°51	0°38	27°56	5°26	5°19	8°34	28°55	S 22
S 23	10 10 36	4° 2'19	10°R18	19°45	28°58	18°11	0°34	17°54	16°49	0°38	27°55	5°12	5°16	8°40	28°58	S 23
M24	10 14 33	5° 2'46	23° 4	19°R48	29°16	17°50	0°26	17°51	16°46	0°39	27°54	4°59	5°13	8°47	29° 2	M24
T 25	10 18 30	6° 3'13	6°R 0	19°40	29°36	17°28	0°18	17°48	16°43	0°39	27°52	4°47	5°10	8°54	29° 5	T 25
W26	10 22 26	7° 3'38	19° 8	19°22	29°58	17° 6	0°11	17°45	16°41	0°40	27°51	4°38	5° 7	9° 0	29° 9	W26
T 27	10 26 23	8° 4'01	2°R26	18°55	0°R22	16°43	0° 3	17°42	16°38	0°40	27°49	4°33	5° 3	9° 7	29°12	T 27
F 28	10 30 19	9°R42	15°R55	18°R19	0°R48	16°R20	29°R55	17°R39	16°R36	0°R41	27°R48	4°R30	5°R 0	9°R14	29°R16	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	19s 1	1s36	16s 5	1s48	12s27	7n27	6n 8	3n50	11n19	1n 8	4s53	2n32	5n37	0n49	18n36	1s41	15n 6	15n47	21s32	21s21	20n42	2n22	3n31			
S 2	16 57	21 8	0 24	15 27	1 43	12 29	7 31	6 12	3 51	11 22	1 8	4 53	2 32	5 38	0 49	18 36	1 41	15 7	15 48	21 32	21 21	20 41	2 23	3 31			
M 3	16 40	21 56	0n53	14 47	1 38	12 32	7 35	6 16	3 53	11 25	1 9	4 52	2 33	5 39	0 49	18 36	1 41	15 8	15 48	21 32	21 20	20 40	2 24	3 31			
T 4	16 22	21 17	2 7	14 6	1 32	12 35	7 38	6 20	3 54	11 27	1 9	4 52	2 33	5 40	0 49	18 37	1 41	15 8	15 48	21 32	21 20	20 39	2 25	3 31			
W 5	16 4	19 9	3 13	13 24	1 25	12 38	7 40	6 25	3 56	11 30	1 9	4 51	2 33	5 41	0 49	18 37	1 41	15 9	15 49	21 31	21 19	20 38	2 26	3 31			
T 6	15 46	15 42	4 7	12 41	1 18	12 41	7 41	6 30	3 57	11 33	1 9	4 51	2 33	5 41	0 49	18 37	1 41	15 10	15 49	21 29	21 19	20 37	2 27	3 30			
F 7	15 28	11 15	4 44	11 57	1 10	12 45	7 42	6 36	3 59	11 36	1 9	4 50	2 34	5 42	0 49	18 37	1 41	15 11	15 50	21 28	21 18	20 36	2 28	3 30			
S 8	15 9	6 11	5 1	11 12	1 1	12 49	7 41	6 42	4 0	11 39	1 9	4 49	2 34	5 43	0 49	18 37	1 40	15 12	15 50	21 26	21 18	20 35	2 29	3 30			
S 9	14 50	0 54	4 58	10 27	0 51	12 53	7 40	6 48	4 1	11 41	1 10	4 49	2 34	5 44	0 49	18 37	1 40	15 12	15 50	21 24	21 17	20 34	2 30	3 30			
M10	14 31	4n18	4 37	9 42	0 40	12 58	7 39	6 54	4 3	11 44	1 10	4 48	2 35	5 45	0 49	18 37	1 40	15 13	15 51	21 22	21 16	20 32	2 31	3 30			
T 11	14 11	9 7	4 1	8 57	0 29	13 2	7 36	7 0	4 4	11 47	1 10	4 47	2 35	5 46	0 49	18 37	1 40	15 14	15 51	21 21	21 16	20 31	2 32	3 30			
W12	13 52	13 20	3 13	8 12	0 17	13 7	7 34	7 7	4 5	11 50	1 10	4 46	2 35	5 47	0 49	18 37	1 40	15 15	15 51	21 20	21 15	20 30	2 33	3 29			
T 13	13 32	16 49	2 17	7 27	0 5	13 11	7 30	7 14	4 6	11 53	1 10	4 45	2 35	5 48	0 49	18 37	1 40	15 16	15 52	21 20	21 15	20 29	2 35	3 29			
F 14	13 11	19 26	1 16	6 43	0n 9	13 16	7 26	7 21	4 7	11 56	1 10	4 44	2 36	5 49	0 49	18 37	1 40	15 17	15 52	21 19	21 14	20 28	2 36	3 29			
S 15	12 51	21 7	0 12	6 0	0 23	13 21	7 22	7 28	4 8	11 59	1 10	4 44	2 36	5 50	0 49	18 37	1 40	15 17	15 53	21 20	21 14	20 27	2 37	3 29			
S 16	12 30	21 49	0s50	5 19	0 37	13 25	7 17	7 36	4 9	12 2	1 10	4 43	2 36	5 51	0 49	18 37	1 40	15 18	15 53	21 19	21 13	20 26	2 38	3 29			
M17	12 10	21 33	1 51	4 40	0 52	13 30	7 12	7 44	4 10	12 5	1 11	4 42	2 36	5 52	0 49	18 37	1 40	15 19	15 53	21 19	21 13	20 25	2 39	3 29			
T 18	11 49	20 19	2 46	4 3	1 8	13 34	7 6	7 52	4 11	12 8	1 11	4 40	2 37	5 52	0 49	18 37	1 40	15 20	15 53	21 18	21 12	20 23	2 40	3 28			
W19	11 27	18 12	3 34	3 29	1 23	13 39	7 1	8 0	4 12	12 10	1 11	4 39	2 37	5 53	0 49	18 38	1 40	15 21	15 54	21 17	21 11	20 22	2 41	3 28			
T 20	11 6	15 18	4 13	2 59	1 39	13 43	6 54	8 8	4 12	12 13	1 11	4 38	2 37	5 54	0 49	18 38	1 40	15 21	15 54	21 16	21 11	20 21	2 43	3 28			
F 21	10 45	11 43	4 42	2 32	1 55	13 47	6 48	8 16	4 13	12 16	1 11	4 37	2 37	5 55	0 49	18 38	1 40	15 22	15 54	21 13	21 10	20 20	2 44	3 28			
S 22	10 23	7 35	4 57	2 8	2 10	13 51	6 41	8 25	4 13	12 19	1 11	4 36	2 38	5 56	0 49	18 38	1 40	15 23	15 55	21 11	21 10	20 19	2 45	3 28			
S 23	10 1	3 5	4 59	1 50	2 25	13 54	6 34	8 33	4 14	12 22	1 11	4 35	2 38	5 57	0 49	18 38	1 40	15 24	15 55	21 8	21 9	20 18	2 46	3 28			
M24	9 39	1s37	4 45	1 35	2 39	13 58	6 27	8 42	4 14	12 25	1 11	4 34	2 38	5 58	0 49	18 38	1 39	15 25	15 55	21 6	21 9	20 17	2 47	3 27			
T 25	9 17	6 19	4 17	1 26	2 53	14 1	6 20	8 51	4 14	12 28	1 11	4 32	2 38	5 59	0 49	18 38	1 39	15 26	15 55	21 4	21 8	20 15	2 49	3 27			
W26	8 55	10 48	3 35	1 22	3 5	14 4	6 12	8 59	4 14	12 31	1 11	4 31	2 38	6 0	0 49	18 39	1 39	15 26	15 56	21 2	21 8	20 14	2 50	3 27			
T 27	8 32	14 49	2 41	1 22	3 16	14 6	6 5	9 8	4 14	12 33	1 11	4 30	2 39	6 1	0 49	18 39	1 39	15 27	15 56	21 1	21 7	20 13	2 51	3 27			
F 28	8s10	18s 7	1s36	1s28	3n25	14s 8	5n57	9n17	4n14	12n36	1n11	4s28	2n39	6n 2	0n49	18n39	1s39	15n28	15n56	21s 1	21s 6	20n12	2n52	3n27			

Julian Day Number = 2530833.5, Delta T = 180.66 sec
 Ecliptic obliquity = 23°24'36, Nutation = 0°00'17, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°46'27, Lahiri = 26°53'27

ASTRODIENST EPHEMERIS for the year 2217

geocentric

MARCH 2217

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 34 16	10 ¹⁰ 4'44	29 ¹⁰ 36	17°R36	1 ¹⁸ 15	15°R57	29°R47	17°R36	16°R33	0 ¹¹ 41	27°R46	4°R29	4 ¹⁷ 57	9 ²⁰ 20	29 ¹⁰ 19	S 1
S 2	10 38 12	11° 5'04	13 ¹⁷ 29	16 ¹⁰ 45	1°44	15 ¹⁰ 33	29 ¹⁰ 40	17 ¹⁰ 33	16 ¹⁰ 30	0°42	27 ¹⁰ 45	4 ¹⁷ 29	4°54	9°27	29°23	S 2
M 3	10 42 9	12° 5'22	27°35	15°49	2°14	15°10	29°32	17°30	16°28	0°43	27°43	4°28	4°51	9°34	29°26	M 3
T 4	10 46 5	13° 5'39	11 ¹⁰ 53	14°49	2°46	14°46	29°24	17°26	16°25	0°44	27°42	4°26	4°48	9°40	29°30	T 4
W 5	10 50 2	14° 5'54	26°21	13°46	3°20	14°22	29°17	17°23	16°23	0°44	27°40	4°21	4°44	9°47	29°33	W 5
T 6	10 53 59	15° 6'08	10 ¹⁰ 55	12°43	3°54	13°59	29°10	17°19	16°20	0°45	27°38	4°13	4°41	9°54	29°37	T 6
F 7	10 57 55	16° 6'20	25°29	11°40	4°30	13°35	29° 2	17°16	16°17	0°46	27°37	4° 3	4°38	10° 0	29°40	F 7
S 8	11 1 52	17° 6'31	9 ¹⁰ 56	10°40	5° 8	13°11	28°55	17°12	16°15	0°47	27°35	3°51	4°35	10° 7	29°44	S 8
S 9	11 5 48	18° 6'39	24° 9	9°42	5°46	12°47	28°48	17° 8	16°12	0°48	27°34	3°39	4°32	10°14	29°48	S 9
M10	11 9 45	19° 6'46	8 ¹⁰ 9	8°49	6°26	12°24	28°41	17° 4	16°10	0°49	27°32	3°28	4°28	10°20	29°51	M10
T 11	11 13 41	20° 6'51	21°34	8° 1	7° 7	12° 0	28°34	17° 1	16° 7	0°50	27°30	3°20	4°25	10°27	29°55	T 11
W12	11 17 38	21° 6'54	4 ¹⁰ 40	7°19	7°49	11°37	28°27	16°57	16° 4	0°51	27°29	3°14	4°22	10°34	29°58	W12
T 13	11 21 34	22° 6'55	17°22	6°43	8°32	11°15	28°20	16°53	16° 2	0°52	27°27	3°10	4°19	10°40	0 ¹⁰ 2	T 13
F 14	11 25 31	23° 6'53	29°45	6°13	9°16	10°52	28°14	16°49	15°59	0°53	27°26	3°D 9	4°16	10°47	0° 6	F 14
S 15	11 29 28	24° 6'50	11 ¹⁰ 51	5°51	10° 1	10°30	28° 7	16°45	15°56	0°54	27°24	3° 9	4°13	10°54	0° 9	S 15
S 16	11 33 24	25° 6'44	23°46	5°34	10°47	10° 8	28° 1	16°40	15°54	0°55	27°22	3°R10	4° 9	11° 0	0°13	S 16
M17	11 37 21	26° 6'37	5 ¹⁰ 36	5°25	11°34	9°47	27°54	16°36	15°51	0°56	27°21	3° 9	4° 6	11° 7	0°17	M17
T 18	11 41 17	27° 6'27	17°25	5°D21	12°21	9°26	27°48	16°32	15°49	0°57	27°19	3° 7	4° 3	11°14	0°20	T 18
W19	11 45 14	28° 6'14	29°19	5°24	13°10	9° 6	27°42	16°28	15°46	0°59	27°17	3° 3	4° 0	11°20	0°24	W19
T 20	11 49 10	29° 6'00	11 ¹⁰ 23	5°32	13°59	8°46	27°36	16°23	15°44	1° 0	27°16	2°56	3°57	11°27	0°28	T 20
F 21	11 53 7	0 ¹⁰ 54	23°39	5°47	14°49	8°27	27°31	16°19	15°41	1° 1	27°14	2°46	3°54	11°34	0°31	F 21
S 22	11 57 3	1° 5'25	6 ¹⁰ 11	6° 6	15°39	8° 9	27°25	16°15	15°39	1° 2	27°13	2°36	3°50	11°40	0°35	S 22
S 23	12 1 0	2° 5'04	18°59	6°31	16°31	7°51	27°20	16°10	15°36	1° 4	27°11	2°25	3°47	11°47	0°38	S 23
M24	12 4 56	3° 4'41	2 ¹⁰ 3	7° 0	17°23	7°34	27°14	16° 6	15°34	1° 5	27° 9	2°14	3°44	11°54	0°42	M24
T 25	12 8 53	4° 4'16	15°21	7°34	18°16	7°17	27° 9	16° 1	15°31	1° 6	27° 8	2° 5	3°41	12° 0	0°46	T 25
W26	12 12 50	5° 3'49	28°53	8°11	19° 9	7° 1	27° 4	15°57	15°29	1° 8	27° 6	1°58	3°38	12° 7	0°49	W26
T 27	12 16 46	6° 3'21	12 ¹⁰ 35	8°53	20° 3	6°46	26°59	15°52	15°26	1° 9	27° 5	1°54	3°34	12°14	0°53	T 27
F 28	12 20 43	7° 2'50	26°25	9°39	20°57	6°31	26°55	15°48	15°24	1°11	27° 3	1°D52	3°31	12°20	0°57	F 28
S 29	12 24 39	8° 2'18	10 ¹⁰ 22	10°28	21°52	6°17	26°50	15°43	15°22	1°12	27° 1	1°53	3°28	12°27	1° 0	S 29
S 30	12 28 36	9° 1'44	24°24	11°20	22°48	6° 4	26°46	15°38	15°19	1°14	27° 0	1°54	3°25	12°34	1° 4	S 30
M31	12 32 32	10 ¹⁰ 1'08	8 ¹⁰ 30	12 ¹⁰ 15	23 ¹⁰ 44	5 ¹⁰ 52	26 ¹⁰ 42	15 ¹⁰ 34	15 ¹⁰ 17	1 ¹¹ 15	26 ¹⁰ 58	1°R54	3 ¹⁷ 22	12 ¹⁰ 40	1 ¹⁰ 8	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	decl	lat	decl	lat
S 1	7s47	20s28	0s26	1s38	3n32	14s10	5n49	9n26	4n14	12n39	1n11	4s27	2n39	6n 3	0n49	18n39	1s39	15n29	15n56	21s 1	21s 6	20n11	2n54	3n27					
S 2	7 24	21 36	0n47	1 53	3 38	14 12	5 41	9 35	4 13	12 42	1 11	4 25	2 39	6 4	0 49	18 39	1 39	15 30	15 57	21 1	21 5	20 9	2 55	3 27					
M 3	7 1	21 24	1 59	2 12	3 41	14 13	5 34	9 43	4 13	12 44	1 12	4 24	2 40	6 5	0 49	18 40	1 39	15 30	15 57	21 1	21 5	20 8	2 56	3 28					
T 4	6 38	19 50	3 4	2 34	3 42	14 14	5 25	9 52	4 12	12 47	1 12	4 23	2 40	6 6	0 49	18 40	1 39	15 31	15 57	21 0	21 4	20 7	2 57	3 26					
W 5	6 15	16 58	3 58	2 59	3 41	14 14	5 17	10 1	4 12	12 50	1 12	4 21	2 40	6 8	0 49	18 40	1 39	15 32	15 57	20 59	21 3	20 6	2 59	3 26					
T 6	5 52	13 2	4 37	3 26	3 37	14 14	5 9	10 9	4 11	12 52	1 12	4 20	2 40	6 9	0 49	18 40	1 39	15 33	15 57	20 58	21 3	20 5	3 0	3 26					
F 7	5 28	8 20	4 58	3 55	3 32	14 14	5 1	10 18	4 10	12 55	1 12	4 18	2 40	6 10	0 49	18 40	1 39	15 33	15 58	20 56	21 2	20 3	3 1	3 26					
S 8	5 5	3 13	4 59	4 24	3 25	14 13	4 53	10 26	4 9	12 57	1 12	4 16	2 40	6 11	0 49	18 41	1 39	15 34	15 58	20 54	21 2	20 2	3 3	3 26					
S 9	4 42	2n 0	4 42	4 54	3 16	14 12	4 45	10 34	4 8	13 0	1 12	4 15	2 41	6 12	0 49	18 41	1 39	15 35	15 58	20 51	21 1	20 1	3 4	3 26					
M10	4 18	7 0	4 9	5 23	3 5	14 10	4 37	10 42	4 7	13 2	1 12	4 13	2 41	6 13	0 49	18 41	1 39	15 36	15 58	20 49	21 1	20 0	3 5	3 26					
T 11	3 55	11 31	3 22	5 52	2 54	14 8	4 29	10 50	4 6	13 5	1 12	4 12	2 41	6 14	0 49	18 41	1 39	15 37	15 58	20 48	21 0	19 59	3 7	3 26					
W12	3 31	15 20	2 25	6 19	2 41	14 6	4 20	10 58	4 5	13 7	1 12	4 10	2 41	6 15	0 49	18 42	1 39	15 37	15 58	20 47	20 59	19 57	3 8	3 26					
T 13	3 7	18 19	1 23	6 45	2 27	14 3	4 12	11 5	4 3	13 9	1 12	4 8	2 41	6 16	0 49	18 42	1 38	15 38	15 58	20 46	20 59	19 56	3 9	3 26					
F 14	2 44	20 22	0 18	7 9	2 13	13 59	4 4	11 12	4 2	13 12	1 12	4 7	2 41	6 17	0 49	18 42	1 38	15 39	15 58	20 46	20 58	19 55	3 11	3 25					
S 15	2 20	21 25	0s46	7 31	1 59	13 55	3 56	11 19	4 0	13 14	1 12	4 5	2 42	6 18	0 49	18 43	1 38	15 39	15 59	20 46	20 58	19 54	3 12	3 25					
S 16	1 56	21 28	1 48	7 50	1 45	13 51	3 48	11 26	3 58	13 16	1 12	4 3	2 42	6 19	0 49	18 43	1 38	15 40	15 59	20 46	20 57	19 52	3 14	3 25					
M17	1 33	20 34	2 44	8 7	1 30	13 46	3 40	11 33	3 57	13 18	1 11	4 2	2 42	6 20	0 49	18 43	1 38	15 41	15 59	20 46	20 56	19 51	3 15	3 25					
T 18	1 9	18 45	3 33	8 22	1 15	13 41	3 32	11 39	3 55	13 20	1 11	4 0	2 42	6 21	0 49	18 43	1 38	15 42	15 59	20 45	20 56	19 50	3 16	3 25					
W19	0 45	16 8	4 13	8 35	1 1	13 35	3 24	11 45	3 53	13 22	1 11	3 58	2 42	6 22	0 49	18 44	1 38	15 42	15 59	20 44	20 55	19 49	3 18	3 25					
T 20	0 21	12 49	4 43	8 45	0 47	13 28	3 16	11 50	3 51	13 24	1 11	3 56	2 42	6 23	0 49	18 44	1 38	15 43	15 59	20 43	20 55	19 47	3 19	3 25					
F 21	0n 2	8 54	5 0	8 52	0 33	13 22	3 9	11 56	3 49	13 26	1 11	3 55	2 42	6 24	0 49	18 44	1 38	15 44	15 59	20 41	20 54	19 46	3 20	3 25					
S 22	0 26	4 32	5 3	8 58	0 20	13 14	3 1	12 1	3 47	13 28	1 11	3 53	2 42	6 25	0 49	18 45	1 38	15 44	15 59	20 39	20 54	19 45	3 22	3 25					
S 23	0 50	0s 7	4 51	9 1	0 6	13 7	2 53	12 5	3 45	13 30	1 11	3 51	2 43	6 25	0 49	18 45	1 38	15 45	15 59	20 37	20 53	19 44	3 23	3 25					
M24	1 13	4 51	4 24	9 2	0s 6	12 59	2 46	12 10	3 43	13 32	1 11	3 49	2 43	6 26	0 49	18 45	1 38	15 46	15 59	20 35	20 52	19 42	3 25	3 25					
T 25	1 37	9 27	3 42	9 0	0 18	12 50	2 38	12 14	3 40	13 33	1 11	3 47	2 43	6 27	0 49	18 46	1 38	15 46	15 59	20 33	20 52	19 41	3 26	3 25					
W26	2 1	13 40	2 47	8 57	0 30	12 41	2 31	12 18	3 38	13 35	1 11	3 46	2 43	6 28	0 49	18 46	1 38	15 47	15 59	20 32	20 51	19 40	3 27	3 25					
T 27	2 24	17 12	1 42	8 52	0 41	12 31	2 23	12 21	3 36	13 37	1 11	3 44	2 43	6 29	0 49	18 46	1 38	15 48	15 59	20 31	20 51	19 39	3 29	3 25					
F 28	2 48	19 48	0 29	8 45	0 52	12 21	2 16	12 25	3 33	13 38	1 11	3 42	2 43	6 30	0 49	18 47	1 38	15 48	15 59	20 31	20 50	19 37	3 30	3 25					
S 29	3 11	21 13	0n45	8 35	1 2	12 10	2 9	12 28	3 31	13 40	1 11	3 40	2 43	6 31	0 49	18 47	1 38	15 49	15 59	20 31	20 49	19 36	3 32	3 25					
S 30	3 34	21 20	1 58	8 24	1 11	11 59	2 1	12 30	3 29	13 41	1 11	3 38	2 43	6 32	0 49	18 47	1 38	15 49	15 59	20 31	20 49	19 35	3 33	3 25					
M31	3n58	20s 5	3n 4	8s12	1s20	11s48	1n54	12n32	3n26	13n42	1n11	3s37	2n43	6n33	0n49	18n48	1s38	15n50	15n59	20s31	20s48	19n33	3n34	3n24					

ASTRODIENST EPHEMERIS for the year 2217

geocentric

APRIL 2217

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 36 29	11°0'31	22°340	13°13	24°41	5°R40	26°R38	15°R29	15°R15	1°II17	26°R57	1°R54	3°19	12°547	1°11	T 1
W 2	12 40 25	11°59'52	6°51	14°14	25°38	5°30	26°34	15°25	15°12	1°18	26°55	1°51	3°15	12°54	1°15	W 2
T 3	12 44 22	12°59'11	21°1	15°18	26°35	5°20	26°30	15°20	15°10	1°20	26°54	1°46	3°12	13°1	1°18	T 3
F 4	12 48 19	13°58'28	5°7	16°24	27°33	5°10	26°27	15°15	15°8	1°22	26°52	1°40	3°9	13°7	1°22	F 4
S 5	12 52 15	14°57'44	19°6	17°32	28°32	5°2	26°23	15°11	15°6	1°23	26°50	1°32	3°6	13°14	1°26	S 5
S 6	12 56 12	15°56'57	2°53	18°43	29°31	4°54	26°20	15°6	15°4	1°25	26°49	1°24	3°3	13°21	1°29	S 6
M 7	13 0 8	16°56'09	16°25	19°56	0°30	4°47	26°17	15°1	15°1	1°27	26°47	1°17	3°0	13°27	1°33	M 7
T 8	13 4 5	17°55'18	29°40	21°11	1°30	4°41	26°15	14°57	14°59	1°28	26°46	1°12	2°56	13°34	1°36	T 8
W 9	13 8 1	18°54'26	12°35	22°28	2°30	4°36	26°12	14°52	14°57	1°30	26°44	1°8	2°53	13°41	1°40	W 9
T 10	13 11 58	19°53'31	25°12	23°46	3°30	4°32	26°10	14°47	14°55	1°32	26°43	1°D 6	2°50	13°47	1°43	T 10
F 11	13 15 54	20°52'34	7°II32	25°7	4°30	4°28	26°7	14°43	14°53	1°34	26°42	1°6	2°47	13°54	1°47	F 11
S 12	13 19 51	21°51'35	19°38	26°30	5°31	4°25	26°5	14°38	14°51	1°35	26°40	1°7	2°44	14°1	1°50	S 12
S 13	13 23 48	22°50'34	1°34	27°54	6°33	4°23	26°4	14°33	14°50	1°37	26°39	1°9	2°40	14°7	1°54	S 13
M14	13 27 44	23°49'31	13°25	29°20	7°34	4°21	26°2	14°29	14°48	1°39	26°37	1°11	2°37	14°14	1°57	M14
T 15	13 31 41	24°48'25	25°16	0°48	8°36	4°D21	26°0	14°24	14°46	1°41	26°36	1°R11	2°34	14°21	2°1	T 15
W16	13 35 37	25°47'17	7°II11	2°17	9°38	4°21	25°59	14°20	14°44	1°43	26°34	1°10	2°31	14°27	2°4	W16
T 17	13 39 34	26°46'07	19°16	3°49	10°41	4°22	25°58	14°15	14°42	1°45	26°33	1°8	2°28	14°34	2°7	T 17
F 18	13 43 30	27°44'54	1°12	5°21	11°44	4°23	25°57	14°11	14°41	1°47	26°32	1°4	2°25	14°41	2°11	F 18
S 19	13 47 27	28°43'39	14°12	6°56	12°47	4°25	25°57	14°6	14°39	1°49	26°30	1°0	2°21	14°47	2°14	S 19
S 20	13 51 23	29°42'22	27°8	8°32	13°50	4°28	25°56	14°2	14°37	1°51	26°29	0°55	2°18	14°54	2°17	S 20
M21	13 55 20	0°41'03	10°25	10°10	14°53	4°32	25°56	13°58	14°36	1°53	26°28	0°50	2°15	15°1	2°21	M21
T 22	13 59 17	1°39'42	24°2	11°49	15°57	4°36	25°D56	13°53	14°34	1°55	26°27	0°46	2°12	15°7	2°24	T 22
W23	14 3 13	2°38'19	7°III56	13°30	17°1	4°41	25°56	13°49	14°33	1°57	26°25	0°43	2°9	15°14	2°27	W23
T 24	14 7 10	3°36'54	22°4	15°13	18°5	4°47	25°56	13°45	14°31	1°59	26°24	0°41	2°5	15°21	2°31	T 24
F 25	14 11 6	4°35'28	6°21	16°57	19°9	4°53	25°56	13°40	14°30	2°1	26°23	0°D41	2°2	15°27	2°34	F 25
S 26	14 15 3	5°33'59	20°43	18°43	20°14	5°0	25°57	13°36	14°28	2°3	26°22	0°42	1°59	15°34	2°37	S 26
S 27	14 18 59	6°32'29	5°6	20°31	21°19	5°8	25°58	13°32	14°27	2°5	26°21	0°43	1°56	15°41	2°40	S 27
M28	14 22 56	7°30'58	19°26	22°20	22°24	5°16	25°59	13°28	14°26	2°7	26°19	0°45	1°53	15°48	2°43	M28
T 29	14 26 52	8°29'25	3°41	24°11	23°29	5°25	26°0	13°24	14°25	2°9	26°18	0°R45	1°50	15°54	2°46	T 29
W30	14 30 49	9°27'50	17°47	26°7	3	24°35	5°34	26°1	13°20	14°24	2°II11	26°17	0°45	1°46	16°5	W30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	4n21	17s35	3n59	7s57	1s29	11s36	1n47	12n34	3n24	13n44	1n10	3s35	2n43	6n34	0n49	18n48
W 2	4 44	14 2	4 39	7 41	1 37	11 23	1 40	12 36	3 21	13 45	1 10	3 33	2 43	6 34	0 49	18 48
T 3	5 7	9 42	5 2	7 24	1 44	11 10	1 34	12 38	3 19	13 46	1 10	3 31	2 43	6 35	0 49	18 49
F 4	5 30	4 51	5 7	7 4	1 51	10 57	1 27	12 39	3 16	13 47	1 10	3 29	2 43	6 36	0 49	18 49
S 5	5 53	0n12	4 53	6 44	1 58	10 43	1 20	12 39	3 14	13 48	1 10	3 27	2 43	6 37	0 49	18 49
S 6	6 16	5 10	4 23	6 21	2 4	10 29	1 14	12 40	3 11	13 49	1 10	3 26	2 43	6 38	0 49	18 50
M 7	6 39	9 48	3 38	5 58	2 9	10 14	1 7	12 40	3 8	13 50	1 10	3 24	2 43	6 39	0 49	18 50
T 8	7 1	13 52	2 42	5 33	2 14	9 59	1 1	12 40	3 6	13 51	1 10	3 22	2 43	6 39	0 49	18 51
W 9	7 24	17 10	1 39	5 6	2 18	9 44	0 54	12 39	3 3	13 52	1 10	3 20	2 43	6 40	0 49	18 51
T 10	7 46	19 34	0 32	4 39	2 22	9 28	0 48	12 39	3 1	13 52	1 10	3 18	2 43	6 41	0 49	18 51
F 11	8 8	20 58	0s35	4 10	2 26	9 11	0 42	12 38	2 58	13 53	1 9	3 17	2 43	6 42	0 49	18 52
S 12	8 30	21 21	1 39	3 40	2 28	8 55	0 36	12 36	2 56	13 54	1 9	3 15	2 43	6 42	0 49	18 52
S 13	8 52	20 46	2 38	3 8	2 31	8 38	0 30	12 35	2 53	13 54	1 9	3 13	2 43	6 43	0 49	18 53
M14	9 14	19 15	3 30	2 36	2 32	8 20	0 24	12 33	2 51	13 55	1 9	3 11	2 43	6 44	0 49	18 53
T 15	9 36	16 55	4 13	2 2	2 34	8 3	0 19	12 31	2 48	13 55	1 9	3 10	2 43	6 44	0 49	18 53
W16	9 57	13 51	4 45	1 27	2 34	7 45	0 13	12 28	2 45	13 55	1 9	3 8	2 43	6 45	0 49	18 54
T 17	10 18	10 11	5 5	0 51	2 35	7 26	0 8	12 26	2 43	13 56	1 9	3 6	2 43	6 46	0 49	18 54
F 18	10 40	6 2	5 12	0 14	2 34	7 7	0 2	12 23	2 40	13 56	1 9	3 5	2 43	6 46	0 48	18 55
S 19	11 1	1 32	5 4	0n24	2 34	6 48	0s 3	12 20	2 38	13 56	1 8	3 3	2 43	6 47	0 48	18 55
S 20	11 21	3s 9	4 40	1 3	2 32	6 29	0 8	12 16	2 35	13 56	1 8	3 1	2 43	6 48	0 48	18 56
M21	11 42	7 49	4 1	1 43	2 30	6 9	0 13	12 13	2 33	13 56	1 8	3 0	2 43	6 48	0 48	18 56
T 22	12 2	12 13	3 7	2 24	2 28	5 49	0 18	12 9	2 31	13 56	1 8	2 58	2 43	6 49	0 48	18 56
W23	12 22	16 3	2 2	3 5	2 25	5 28	0 23	12 5	2 28	13 56	1 8	2 56	2 43	6 49	0 48	18 57
T 24	12 42	19 1	0 47	3 48	2 22	5 8	0 28	12 0	2 26	13 55	1 8	2 55	2 43	6 50	0 48	18 57
F 25	13 2	20 50	0n31	4 32	2 18	4 47	0 32	11 56	2 23	13 55	1 8	2 53	2 43	6 50	0 48	18 58
S 26	13 22	21 17	1 48	5 16	2 14	4 26	0 37	11 51	2 21	13 55	1 8	2 52	2 43	6 51	0 48	18 58
S 27	13 41	20 21	2 58	6 1	2 9	4 4	0 41	11 46	2 19	13 54	1 7	2 50	2 42	6 51	0 48	18 59
M28	14 0	18 6	3 57	6 46	2 3	3 42	0 45	11 41	2 16	13 54	1 7	2 49	2 42	6 52	0 48	18 59
T 29	14 19	14 45	4 41	7 33	1 58	3 21	0 50	11 36	2 14	13 54	1 7	2 47	2 42	6 52	0 48	18 59
W30	14n38	10s36	5n 7	8n19	1s51	2s58	0s54	11n30	2n12	13n53	1n 7	2s46	2n42	6n53	0n48	19n 0

Julian Day Number = 2530892.5, Delta T = 180.84 sec
 Ecliptic obliquity = 23°24'36", Nutation = 0°00'15", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°46'35", Lahiri = 26°53'35"

ASTRODIENST EPHEMERIS for the year 2217

geocentric

MAY 2217

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 34 46	10♌26'13	1♋43	27♏58	25♋40	5♏44	26♌3	13°R16	14°R22	2♏13	26°R16	0°R44	1♌43	16♌8	2♏53	T 1
F 2	14 38 42	11°24'35	15°29	29°54	26°46	5°55	26° 4	13♌12	14♏21	2°15	26♏15	0♌42	1°40	16°14	2°56	F 2
S 3	14 42 39	12°22'56	29° 3	1♌51	27°52	6° 6	26° 6	13° 9	14°20	2°17	26°14	0°40	1°37	16°21	2°59	S 3
S 4	14 46 35	13°21'15	12♏23	3°51	28°58	6°18	26° 8	13° 5	14°19	2°20	26°13	0°37	1°34	16°28	3° 2	S 4
M 5	14 50 32	14°19'32	25°30	5°51	0♏ 4	6°30	26°10	13° 1	14°18	2°22	26°12	0°35	1°31	16°34	3° 5	M 5
T 6	14 54 28	15°17'48	8♌22	7°54	1°11	6°43	26°13	12°58	14°18	2°24	26°11	0°33	1°27	16°41	3° 7	T 6
W 7	14 58 25	16°16'02	21° 0	9°58	2°17	6°56	26°15	12°54	14°17	2°26	26°10	0°32	1°24	16°48	3°10	W 7
T 8	15 2 21	17°14'14	3♏24	12° 3	3°24	7°10	26°18	12°51	14°16	2°28	26° 9	0°D32	1°21	16°54	3°13	T 8
F 9	15 6 18	18°12'25	15°37	14°10	4°31	7°24	26°21	12°47	14°15	2°30	26° 8	0°33	1°18	17° 1	3°16	F 9
S 10	15 10 15	19°10'33	27°39	16°17	5°37	7°39	26°24	12°44	14°15	2°33	26° 8	0°33	1°15	17° 8	3°19	S 10
S 11	15 14 11	20° 8'40	9♌33	18°26	6°45	7°54	26°27	12°41	14°14	2°35	26° 7	0°34	1°11	17°14	3°22	S 11
M12	15 18 8	21° 6'45	21°24	20°36	7°52	8°10	26°31	12°38	14°13	2°37	26° 6	0°35	1° 8	17°21	3°24	M12
T 13	15 22 4	22° 4'49	3♏15	22°46	8°59	8°26	26°35	12°35	14°13	2°39	26° 5	0°36	1° 5	17°28	3°27	T 13
W14	15 26 1	23° 2'50	15°10	24°57	10° 6	8°43	26°38	12°32	14°12	2°41	26° 5	0°37	1° 2	17°34	3°30	W14
T 15	15 29 57	24° 0'49	27°15	27° 7	11°14	9° 0	26°42	12°29	14°12	2°44	26° 4	0°R37	0°59	17°41	3°32	T 15
F 16	15 33 54	24°58'47	9♏33	29°18	12°22	9°18	26°46	12°26	14°12	2°46	26° 3	0°37	0°56	17°48	3°35	F 16
S 17	15 37 50	25°56'43	22° 8	1♏28	13°29	9°36	26°51	12°23	14°11	2°48	26° 3	0°36	0°52	17°55	3°37	S 17
S 18	15 41 47	26°54'37	5♌ 6	3°37	14°37	9°54	26°55	12°20	14°11	2°50	26° 2	0°36	0°49	18° 1	3°40	S 18
M19	15 45 43	27°52'29	18°26	5°46	15°45	10°13	27° 0	12°18	14°11	2°53	26° 1	0°35	0°46	18° 8	3°42	M19
T 20	15 49 40	28°50'19	2♏11	7°53	16°53	10°32	27° 5	12°15	14°11	2°55	26° 1	0°35	0°43	18°15	3°45	T 20
W21	15 53 37	29°48'09	16°19	9°58	18° 2	10°52	27° 9	12°13	14°11	2°57	26° 0	0°35	0°40	18°21	3°47	W21
T 22	15 57 33	0♏45'56	0♌47	12° 2	19°10	11°12	27°15	12°11	14°D11	2°59	26° 0	0°35	0°37	18°28	3°49	T 22
F 23	16 1 30	1°43'42	15°28	14° 4	20°18	11°32	27°20	12° 8	14°11	3° 2	25°59	0°35	0°33	18°35	3°52	F 23
S 24	16 5 26	2°41'27	0♌17	16° 3	21°27	11°53	27°25	12° 6	14°11	3° 4	25°59	0°35	0°30	18°41	3°54	S 24
S 25	16 9 23	3°39'11	15° 6	18° 0	22°35	12°14	27°31	12° 4	14°11	3° 6	25°59	0°35	0°27	18°48	3°56	S 25
M26	16 13 19	4°36'54	29°48	19°55	23°44	12°35	27°36	12° 2	14°11	3° 8	25°58	0°34	0°24	18°55	3°58	M26
T 27	16 17 16	5°34'35	14♌17	21°47	24°53	12°57	27°42	12° 1	14°11	3°11	25°58	0°34	0°21	19° 1	4° 0	T 27
W28	16 21 13	6°32'16	28°30	23°36	26° 2	13°19	27°48	11°59	14°12	3°13	25°57	0°34	0°17	19° 8	4° 2	W28
T 29	16 25 9	7°29'55	12♌24	25°23	27°10	13°41	27°54	11°57	14°12	3°15	25°57	0°D34	0°14	19°15	4° 4	T 29
F 30	16 29 6	8°27'34	26° 0	27° 6	28°20	14° 4	28° 0	11°56	14°12	3°17	25°57	0°34	0°11	19°21	4° 6	F 30
S 31	16 33 2	9♏25'11	9♏17	28♏47	29♏29	14♏27	28♌7	11♌54	14♏13	3♏20	25♏57	0♌34	0♌ 8	19♌28	4♏ 8	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	14n56	5s56	5n15	9n 7	1s44	2s36	0s58	11n24	2n10	13n52	1n 7	2s45	2n42	6n53	0n48	19n 0
F 2	15 14	1 2	5 5	9 54	1 37	2 13	1 1	11 18	2 7	13 52	1 7	2 43	2 42	6 53	0 48	19 1
S 3	15 32	3n52	4 38	10 42	1 29	1 51	1 5	11 12	2 5	13 51	1 7	2 42	2 42	6 54	0 48	19 1
S 4	15 50	8 30	3 56	11 31	1 21	1 28	1 9	11 6	2 3	13 50	1 7	2 41	2 42	6 54	0 48	19 2
M 5	16 7	12 40	3 2	12 19	1 12	1 5	1 12	10 59	2 1	13 49	1 6	2 39	2 41	6 54	0 48	19 2
T 6	16 24	16 10	2 0	13 7	1 3	0 41	1 16	10 53	1 59	13 48	1 6	2 38	2 41	6 55	0 48	19 2
W 7	16 41	18 50	0 53	13 56	0 54	0 18	1 19	10 46	1 57	13 47	1 6	2 37	2 41	6 55	0 48	19 3
T 8	16 58	20 33	0s16	14 44	0 44	0n 6	1 22	10 39	1 54	13 46	1 6	2 36	2 41	6 55	0 48	19 3
F 9	17 14	21 16	1 23	15 31	0 34	0 29	1 25	10 31	1 52	13 45	1 6	2 34	2 41	6 55	0 48	19 4
S 10	17 30	20 59	2 25	16 18	0 24	0 53	1 28	10 24	1 50	13 44	1 6	2 33	2 41	6 56	0 48	19 4
S 11	17 45	19 45	3 20	17 4	0 14	1 17	1 31	10 16	1 48	13 43	1 6	2 32	2 41	6 56	0 48	19 5
M12	18 1	17 39	4 6	17 49	0 3	1 41	1 34	10 8	1 46	13 41	1 5	2 31	2 40	6 56	0 48	19 5
T 13	18 16	14 50	4 42	18 33	0n 7	2 5	1 36	10 1	1 44	13 40	1 5	2 30	2 40	6 56	0 48	19 6
W14	18 31	11 23	5 6	19 16	0 18	2 29	1 39	9 52	1 42	13 38	1 5	2 29	2 40	6 56	0 48	19 6
T 15	18 45	7 27	5 17	19 57	0 28	2 53	1 41	9 44	1 40	13 37	1 5	2 28	2 40	6 56	0 47	19 6
F 16	18 59	3 8	5 13	20 36	0 38	3 18	1 43	9 36	1 39	13 35	1 5	2 27	2 40	6 57	0 47	19 7
S 17	19 13	1s25	4 55	21 13	0 49	3 42	1 45	9 27	1 37	13 34	1 5	2 26	2 40	6 57	0 47	19 7
S 18	19 27	6 2	4 22	21 48	0 58	4 6	1 48	9 19	1 35	13 32	1 5	2 25	2 39	6 57	0 47	19 8
M19	19 40	10 30	3 33	22 21	1 8	4 31	1 49	9 10	1 33	13 31	1 5	2 25	2 39	6 57	0 47	19 8
T 20	19 53	14 35	2 31	22 51	1 17	4 55	1 51	9 1	1 31	13 29	1 4	2 24	2 39	6 57	0 47	19 9
W21	20 5	17 57	1 18	23 19	1 25	5 19	1 53	8 52	1 29	13 27	1 4	2 23	2 39	6 57	0 47	19 9
T 22	20 17	20 16	0n 1	23 45	1 33	5 44	1 55	8 42	1 27	13 25	1 4	2 22	2 39	6 57	0 47	19 9
F 23	20 29	21 16	1 22	24 7	1 40	6 8	1 56	8 33	1 26	13 23	1 4	2 22	2 38	6 57	0 47	19 10
S 24	20 40	20 47	2 38	24 27	1 47	6 32	1 57	8 24	1 24	13 21	1 4	2 21	2 38	6 57	0 47	19 10
S 25	20 51	18 52	3 43	24 45	1 53	6 56	1 59	8 14	1 22	13 19	1 4	2 21	2 38	6 56	0 47	19 11
M26	21 2	15 43	4 33	24 59	1 58	7 21	2 0	8 4	1 21	13 17	1 4	2 20	2 38	6 56	0 47	19 11
T 27	21 12	11 40	5 5	25 12	2 2	7 45	2 1	7 54	1 19	13 15	1 4	2 19	2 37	6 56	0 47	19 12
W28	21 22	7 1	5 17	25 21	2 6	8 9	2 2	7 44	1 17	13 13	1 3	2 19	2 37	6 56	0 47	19 12
T 29	21 32	2 7	5 11	25 29	2 9	8 33	2 3	7 34	1 15	13 11	1 3	2 18	2 37	6 56	0 47	19 13
F 30	21 41	2n48	4 47	25 34	2 11	8 56	2 4	7 24	1 14	13 8	1 3	2 18	2 37	6 56	0 47	19 13
S 31	21n50	7n28	4n 8	25n37	2n12	9n20	2s 4	7n13	1n12	13n 6	1n 3	2s18	2n37	6n56	0n47	19n13

Julian Day Number = 2530922.5, Delta T = 180.93 sec
 Ecliptic obliquity = 23°24'35, Nutation = 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°46'39, Lahiri = 26°53'40

ASTRODIENST EPHEMERIS for the year 2217

geocentric

JUNE 2217

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 36 59	10II22'48	22Y17	0825	0838	14M51	28J13	11°R53	14M13	3II22	25°R57	0X35	0X5	19235	4Y10	S 1
M 2	16 40 55	11°20'24	58 3	1°59	1°47	15°14	28°20	11°51	14°14	3°24	25°M56	0°36	0°2	19°42	4°12	M 2
T 3	16 44 52	12°17'59	17°35	3°31	2°56	15°38	28°27	11°50	14°14	3°26	25°56	0°37	29M58	19°48	4°14	T 3
W 4	16 48 48	13°15'33	29°55	4°59	4°6	16°3	28°34	11°49	14°15	3°29	25°56	0°R37	29°55	19°55	4°16	W 4
T 5	16 52 45	14°13'06	12II 5	6°25	5°15	16°27	28°41	11°48	14°16	3°31	25°56	0°37	29°52	20°2	4°17	T 5
F 6	16 56 42	15°10'37	24°8	7°47	6°25	16°52	28°48	11°47	14°17	3°33	25°D56	0°36	29°49	20°8	4°19	F 6
S 7	17 0 38	16°8'08	68 4	9°6	7°34	17°17	28°55	11°46	14°17	3°35	25°56	0°34	29°46	20°15	4°21	S 7
S 8	17 4 35	17°5'38	17°56	10°22	8°44	17°43	29°3	11°46	14°18	3°37	25°56	0°32	29°43	20°22	4°22	S 8
M 9	17 8 31	18°3'07	29°46	11°34	9°54	18°9	29°10	11°45	14°19	3°40	25°56	0°29	29°39	20°28	4°24	M 9
T 10	17 12 28	19°0'34	11J237	12°43	11°4	18°35	29°18	11°45	14°20	3°42	25°56	0°27	29°36	20°35	4°25	T 10
W11	17 16 24	19°58'01	23°33	13°49	12°13	19°1	29°26	11°44	14°21	3°44	25°56	0°24	29°33	20°42	4°27	W11
T 12	17 20 21	20°55'26	5M36	14°51	13°23	19°27	29°34	11°44	14°22	3°46	25°57	0°23	29°30	20°48	4°28	T 12
F 13	17 24 17	21°52'50	17°52	15°50	14°33	19°54	29°42	11°44	14°23	3°48	25°57	0°D22	29°27	20°55	4°29	F 13
S 14	17 28 14	22°50'13	0A24	16°45	15°43	20°21	29°50	11°D44	14°25	3°50	25°57	0°22	29°23	21°2	4°31	S 14
S 15	17 32 11	23°47'35	13°17	17°36	16°53	20°48	29°59	11°44	14°26	3°53	25°57	0°23	29°20	21°9	4°32	S 15
M16	17 36 7	24°44'56	26°34	18°24	18°4	21°16	0M7	11°44	14°27	3°55	25°58	0°24	29°17	21°15	4°33	M16
T 17	17 40 4	25°42'16	10M17	19°7	19°14	21°44	0°16	11°44	14°28	3°57	25°58	0°26	29°14	21°22	4°34	T 17
W18	17 44 0	26°39'35	24°27	19°47	20°24	22°12	0°24	11°45	14°30	3°59	25°58	0°R27	29°11	21°29	4°35	W18
T 19	17 47 57	27°36'54	9X2	20°22	21°34	22°40	0°33	11°45	14°31	4°1	25°59	0°26	29°8	21°35	4°36	T 19
F 20	17 51 53	28°34'11	23°57	20°53	22°45	23°8	0°42	11°45	14°33	4°3	25°59	0°25	29°4	21°42	4°37	F 20
S 21	17 55 50	29°31'28	9Z4	21°20	23°55	23°37	0°51	11°46	14°34	4°5	26°0	0°22	29°1	21°49	4°38	S 21
S 22	17 59 46	0828'45	24°14	21°43	25°6	24°6	1°0	11°47	14°36	4°7	26°0	0°19	28°58	21°55	4°39	S 22
M23	18 3 43	1°26'01	9A17	22°1	26°16	24°35	1°9	11°48	14°37	4°9	26°1	0°14	28°55	22°2	4°40	M23
T 24	18 7 40	2°23'17	24°5	22°15	27°27	25°4	1°18	11°49	14°39	4°11	26°1	0°10	28°52	22°9	4°41	T 24
W25	18 11 36	3°20'32	8X31	22°24	28°37	25°33	1°28	11°50	14°41	4°13	26°2	0°7	28°49	22°16	4°41	W25
T 26	18 15 33	4°17'48	22°32	22°R28	29°48	26°3	1°37	11°51	14°43	4°15	26°2	0°5	28°45	22°22	4°42	T 26
F 27	18 19 29	5°15'03	6Y7	22°28	0II59	26°33	1°47	11°52	14°44	4°17	26°3	0°D5	28°42	22°29	4°43	F 27
S 28	18 23 26	6°12'18	19°18	22°24	2°10	27°3	1°56	11°53	14°46	4°19	26°4	0°5	28°39	22°36	4°43	S 28
S 29	18 27 22	7°9'33	28 8	22°15	3°20	27°33	2°6	11°55	14°48	4°21	26°4	0°7	28°36	22°42	4°44	S 29
M30	18 31 19	826'48	14B40	2221	4II31	28M3	2M16	11A56	14M50	4II23	26M5	0X8	28M33	22249	4Y44	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	decl lat	decl lat	decl lat
S 1	21n59	11n43	3n17	25n37	2n13	9n44	2s 5	7n 3	1n11	13n 4	1n 3	2s17	2n36	6n55	0n47	19n14
M 2	22 7 15	20 2 17	25 36	2 12	10 7	2 5	6 52	1 9	13 1	1 3	2 17	2 36	6 55	0 47	19 14	1 36
T 3	22 14 18	12 1 12	25 33	2 11	10 30	2 6	6 41	1 7	12 59	1 3	2 17	2 36	6 55	0 47	19 15	1 36
W 4	22 22 20	10 0 4	25 28	2 9	10 54	2 6	6 31	1 6	12 56	1 3	2 17	2 36	6 54	0 47	19 15	1 36
T 5	22 29 21	10 1 1s	25 21	2 6	11 17	2 6	6 20	1 4	12 54	1 2	2 16	2 35	6 54	0 47	19 15	1 36
F 6	22 35 21	10 2 6	25 13	2 3	11 39	2 6	6 9	1 3	12 51	1 2	2 16	2 35	6 54	0 47	19 16	1 36
S 7	22 41 20	13 3 4	25 4	1 58	12 2	2 6	5 57	1 1	12 48	1 2	2 16	2 35	6 53	0 46	19 16	1 36
S 8	22 47 18	22 3 53	24 53	1 53	12 24	2 6	5 46	1 0	12 46	1 2	2 16	2 35	6 53	0 46	19 17	1 36
M 9	22 52 15	45 4 31	24 41	1 47	12 46	2 6	5 35	0 58	12 43	1 2	2 16	2 35	6 53	0 46	19 17	1 36
T 10	22 57 12	30 4 58	24 28	1 40	13 8	2 6	5 23	0 57	12 40	1 2	2 16	2 34	6 52	0 46	19 17	1 36
W11	23 2 8	43 5 13	24 14	1 33	13 30	2 5	5 12	0 55	12 37	1 2	2 16	2 34	6 52	0 46	19 18	1 36
T 12	23 6 4	34 5 14	23 59	1 24	13 51	2 5	5 0	0 54	12 34	1 2	2 16	2 34	6 51	0 46	19 18	1 36
F 13	23 10 0	10 5 1	23 43	1 15	14 12	2 4	4 48	0 53	12 31	1 2	2 17	2 34	6 51	0 46	19 19	1 36
S 14	23 13 4s	20 4 33	23 27	1 6	14 33	2 3	4 36	0 51	12 28	1 1	2 17	2 33	6 50	0 46	19 19	1 36
S 15	23 16 8	47 3 51	23 10	0 55	14 54	2 3	4 24	0 50	12 25	1 1	2 17	2 33	6 50	0 46	19 19	1 36
M16	23 18 12	58 2 56	22 52	0 44	15 14	2 2	4 12	0 48	12 22	1 1	2 17	2 33	6 49	0 46	19 20	1 36
T 17	23 20 16	36 1 49	22 35	0 32	15 34	2 1	4 0	0 47	12 19	1 1	2 18	2 33	6 49	0 46	19 20	1 36
W18	23 22 19	24 0 33	22 17	0 20	15 54	2 0	3 48	0 46	12 16	1 1	2 18	2 32	6 48	0 46	19 21	1 36
T 19	23 23 21	0 0n47	21 58	0 6	16 13	1 59	3 35	0 44	12 13	1 1	2 18	2 32	6 48	0 46	19 21	1 36
F 20	23 24 21	11 2 5	21 40	0s 7	16 32	1 58	3 23	0 43	12 10	1 1	2 19	2 32	6 47	0 46	19 21	1 36
S 21	23 25 19	50 3 16	21 22	0 21	16 51	1 57	3 10	0 42	12 6	1 1	2 19	2 32	6 46	0 46	19 22	1 36
S 22	23 25 17	5 4 13	21 4	0 36	17 9	1 55	2 58	0 41	12 3	1 1	2 20	2 31	6 46	0 46	19 22	1 36
M23	23 24 13	4 52	20 46	0 51	17 27	1 54	2 45	0 39	12 0	1 1	2 20	2 31	6 45	0 46	19 22	1 36
T 24	23 23 8	35 5 11	20 28	1 7	17 44	1 53	2 33	0 38	11 56	1 1	2 21	2 31	6 44	0 46	19 23	1 36
W25	23 22 3	35 5 9	20 11	1 23	18 1	1 51	2 20	0 37	11 53	1 0	2 22	2 31	6 44	0 46	19 23	1 36
T 26	23 20 1n	28 4 49	19 55	1 39	18 18	1 50	2 7	0 36	11 50	1 0	2 22	2 30	6 43	0 46	19 23	1 36
F 27	23 18 6	18 4 13	19 38	1 55	18 34	1 48	1 54	0 34	11 46	1 0	2 23	2 30	6 42	0 46	19 24	1 36
S 28	23 16 10	42 3 24	19 23	2 12	18 50	1 46	1 41	0 33	11 43	1 0	2 24	2 30	6 41	0 46	19 24	1 36
S 29	23 13 14	30 2 27	19 8	2 28	19 5	1 45	1 28	0 32	11 39	1 0	2 24	2 30	6 41	0 46	19 24	1 36
M30	23n10	17n33	1n23	18n55	2s44	19n20	1s43	1n15	0n31	11n35	1n 0	2s25	2n29	6n40	0n46	19n25

Julian Day Number = 2530953.5, Delta T = 181.02 sec
 Ecliptic obliquity = 23°24'35, Nutation = 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°46'43, Lahiri = 26°53'44

ASTRODIENST EPHEMERIS for the year 2217

geocentric

JULY 2217

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 35 15	9 ⁵⁵ 4'03	26 ⁵⁸ 58	21 ⁴⁴ 44	5 ⁴² 42	28 ³⁴ 34	2 ²⁶ 26	11 ⁵⁸ 58	14 ⁵² 52	4 ²⁵ 25	26 ⁰⁶ 6	0 ⁰⁹ 9	28 ²⁹ 29	22 ⁵⁶ 56	4 ⁴⁴ 44	T 1
W 2	18 39 12	10 ⁰ 1'18	9 ¹¹ 6	21 ⁵² 23	6 ⁵³ 53	29 ⁰ 4	2 ³⁶ 36	12 ⁰ 0	14 ⁵⁴ 54	4 ²⁷ 27	26 ⁰⁷ 7	0 ¹⁷ 9	28 ²⁶ 26	23 ⁰ 2	4 ⁴⁵ 45	W 2
T 3	18 43 9	10 ⁵⁸ 33	21 ⁰ 5	20 ⁵⁸ 8	4 ⁰ 4	29 ³⁵ 35	2 ⁴⁶ 46	12 ⁰ 1	14 ⁵⁶ 56	4 ²⁹ 29	26 ⁰⁷ 7	0 ⁰ 6	28 ²³ 23	23 ⁰ 9	4 ⁴⁵ 45	T 3
F 4	18 47 5	11 ⁵⁵ 47	3 ⁵⁸ 0	20 ³⁰ 9	16 ⁰ 16	0 ⁶ 6	2 ⁵⁶ 56	12 ⁰ 3	14 ⁵⁹ 59	4 ³¹ 31	26 ⁰⁸ 8	0 ⁰ 2	28 ²⁰ 20	23 ¹⁶ 16	4 ⁴⁵ 45	F 4
S 5	18 51 2	12 ⁵³ 02	14 ⁵¹ 19	19 ⁵⁹ 10	27 ⁰ 27	0 ³⁸ 38	3 ⁰ 7	12 ⁰ 5	15 ⁰ 1	4 ³³ 33	26 ⁰⁹ 9	29 ¹¹ 11	28 ¹⁷ 17	23 ²² 22	4 ⁴⁶ 46	S 5
S 6	18 54 58	13 ⁵⁰ 16	26 ⁴¹ 19	19 ²⁵ 11	38 ⁰ 38	1 ⁰ 9	3 ¹⁷ 17	12 ⁰ 7	15 ⁰ 3	4 ³⁵ 35	26 ¹⁰ 10	29 ⁴⁹ 49	28 ¹⁴ 14	23 ²⁹ 29	4 ⁴⁶ 46	S 6
M 7	18 58 55	14 ⁴⁷ 31	8 ³² 18	18 ⁵⁰ 12	49 ⁰ 49	1 ⁴¹ 41	3 ²⁷ 27	12 ¹⁰ 10	15 ⁰ 5	4 ³⁷ 37	26 ¹¹ 11	29 ⁴¹ 41	28 ¹⁰ 10	23 ³⁶ 36	4 ⁴⁶ 46	M 7
T 8	19 2 51	15 ⁴⁴ 45	20 ²⁶ 18	14 ⁰ 14	0 ² 2	2 ¹³ 13	3 ³⁸ 38	12 ¹² 12	15 ⁰ 7	4 ³⁸ 38	26 ¹² 12	29 ³² 32	28 ⁰ 7	23 ⁴³ 43	4 ⁴⁶ 46	T 8
W 9	19 6 48	16 ⁴¹ 59	2 ²⁴ 17	13 ³⁷ 15	12 ⁰ 12	2 ⁴⁵ 45	3 ⁴⁹ 49	12 ¹⁴ 14	15 ¹⁰ 10	4 ⁴⁰ 40	26 ¹³ 13	29 ²⁵ 25	28 ⁰ 4	23 ⁴⁹ 49	4 ⁴⁶ 46	W 9
T 10	19 10 44	17 ³⁹ 12	14 ³⁰ 17	0 ⁰ 0	16 ²³ 23	3 ¹⁷ 17	3 ⁵⁹ 59	12 ¹⁷ 17	15 ¹² 12	4 ⁴² 42	26 ¹⁴ 14	29 ¹⁸ 18	28 ⁰ 1	23 ⁵⁶ 56	4 ⁴⁶ 46	T 10
F 11	19 14 41	18 ³⁶ 26	26 ⁴⁶ 16	13 ²³ 17	35 ⁰ 35	3 ⁴⁹ 49	4 ¹⁰ 10	12 ¹⁹ 19	15 ¹⁵ 15	4 ⁴⁴ 44	26 ¹⁵ 15	29 ¹⁴ 14	27 ⁵⁸ 58	24 ⁰ 3	4 ⁴⁵ 45	F 11
S 12	19 18 38	19 ³³ 39	9 ¹⁶ 15	15 ⁴⁸ 18	46 ⁰ 46	4 ²² 22	4 ²¹ 21	12 ²² 22	15 ¹⁷ 17	4 ⁴⁵ 45	26 ¹⁶ 16	29 ¹¹ 11	27 ⁵⁴ 54	24 ⁰ 9	4 ⁴⁵ 45	S 12
S 13	19 22 34	20 ³⁰ 52	22 ⁰ 5	15 ¹⁵ 19	58 ⁰ 58	4 ⁵⁴ 54	4 ³² 32	12 ²⁵ 25	15 ²⁰ 20	4 ⁴⁷ 47	26 ¹⁷ 17	29 ⁰ 11	27 ⁵¹ 51	24 ¹⁶ 16	4 ⁴⁵ 45	S 13
M14	19 26 31	21 ²⁸ 05	5 ¹¹ 15	14 ⁴⁴ 21	9 ⁰ 9	5 ²⁷ 27	4 ⁴³ 43	12 ²⁸ 28	15 ²² 22	4 ⁴⁹ 49	26 ¹⁸ 18	29 ¹² 12	27 ⁴⁸ 48	24 ²³ 23	4 ⁴⁵ 45	M14
T 15	19 30 27	22 ²⁵ 18	18 ⁵¹ 14	14 ¹⁶ 22	21 ⁰ 21	6 ⁰ 0	4 ⁵⁴ 54	12 ³¹ 31	15 ²⁵ 25	4 ⁵⁰ 50	26 ²⁰ 20	29 ¹³ 13	27 ⁴⁵ 45	24 ²⁹ 29	4 ⁴⁴ 44	T 15
W16	19 34 24	23 ²² 31	2 ⁵³ 13	13 ⁵² 23	32 ⁰ 32	6 ³³ 33	5 ⁰ 5	12 ³⁴ 34	15 ²⁷ 27	4 ⁵² 52	26 ²¹ 21	29 ⁰ 13	27 ⁴² 42	24 ³⁶ 36	4 ⁴⁴ 44	W16
T 17	19 38 20	24 ¹⁹ 44	17 ²³ 13	13 ³² 24	44 ⁰ 44	7 ⁰ 6	5 ¹⁶ 16	12 ³⁷ 37	15 ³⁰ 30	4 ⁵⁴ 54	26 ²² 22	29 ¹¹ 11	27 ³⁹ 39	24 ⁴³ 43	4 ⁴³ 43	T 17
F 18	19 42 17	25 ¹⁶ 57	2 ³¹ 13	13 ¹⁶ 25	56 ⁰ 56	7 ³⁹ 39	5 ²⁸ 28	12 ⁴⁰ 40	15 ³³ 33	4 ⁵⁵ 55	26 ²³ 23	29 ⁰ 8	27 ³⁵ 35	24 ⁵⁰ 50	4 ⁴³ 43	F 18
S 19	19 46 13	26 ¹⁴ 10	17 ²⁷ 13	5 ⁰ 27	8 ⁰ 8	8 ¹³ 13	5 ³⁹ 39	12 ⁴³ 43	15 ³⁶ 36	4 ⁵⁷ 57	26 ²⁵ 25	29 ⁰ 2	27 ³² 32	24 ⁵⁶ 56	4 ⁴² 42	S 19
S 20	19 50 10	27 ¹¹ 23	2 ⁴⁵ 12	12 ⁵⁹ 28	19 ⁰ 19	8 ⁴⁷ 47	5 ⁵⁰ 50	12 ⁴⁷ 47	15 ³⁸ 38	4 ⁵⁸ 58	26 ²⁶ 26	28 ⁵⁵ 55	27 ²⁹ 29	25 ⁰ 3	4 ⁴² 42	S 20
M21	19 54 7	28 ⁰ 8'37	18 ⁰ 12	12 ⁵⁸ 29	31 ⁰ 31	9 ²⁰ 20	6 ⁰ 2	12 ⁵⁰ 50	15 ⁴¹ 41	5 ⁰ 0	26 ²⁷ 27	28 ⁴⁶ 46	27 ²⁶ 26	25 ¹⁰ 10	4 ⁴¹ 41	M21
T 22	19 58 3	29 ⁰ 5'51	3 ¹¹ 13	13 ⁰ 2	0 ⁵⁴ 43	9 ⁵⁴ 54	6 ¹³ 13	12 ⁵⁴ 54	15 ⁴⁴ 44	5 ¹ 1	26 ²⁹ 29	28 ³⁸ 38	27 ²³ 23	25 ¹⁶ 16	4 ⁴⁰ 40	T 22
W23	20 2 0	0 ⁰ 3'06	17 ³⁹ 13	13 ¹² 1	55 ⁰ 55	10 ²⁸ 28	6 ²⁵ 25	12 ⁵⁷ 57	15 ⁴⁷ 47	5 ³ 3	26 ³⁰ 30	28 ³⁰ 30	27 ²⁰ 20	25 ²³ 23	4 ⁴⁰ 40	W23
T 24	20 5 56	1 ⁰ 0'21	1 ⁵⁰ 13	13 ²⁸ 3	7 ⁰ 11	11 ⁰ 2	6 ³⁶ 36	13 ⁰ 1	15 ⁵⁰ 50	5 ⁴ 4	26 ³¹ 31	28 ²⁵ 25	27 ¹⁶ 16	25 ³⁰ 30	4 ³⁹ 39	T 24
F 25	20 9 53	1 ⁵⁷ 37	15 ³¹ 13	13 ⁴⁹ 4	19 ⁰ 19	11 ³⁷ 37	6 ⁴⁸ 48	13 ⁰ 5	15 ⁵³ 53	5 ⁶ 6	26 ³³ 33	28 ²² 22	27 ¹³ 13	25 ³⁶ 36	4 ³⁸ 38	F 25
S 26	20 13 49	2 ⁵⁴ 54	28 ⁴⁴ 14	14 ¹⁶ 5	31 ⁰ 31	12 ¹¹ 11	7 ⁰ 0	13 ⁰ 9	15 ⁵⁶ 56	5 ⁷ 7	26 ³⁴ 34	28 ⁰ 21	27 ¹⁰ 10	25 ⁴³ 43	4 ³⁷ 37	S 26
S 27	20 17 46	3 ⁵² 12	11 ³² 14	14 ⁴⁹ 6	44 ⁰ 44	12 ⁴⁶ 46	7 ¹² 12	13 ¹³ 13	15 ⁵⁹ 59	5 ⁸ 8	26 ³⁶ 36	28 ²¹ 21	27 ⁰ 7	25 ⁵⁰ 50	4 ³⁶ 36	S 27
M28	20 21 42	4 ⁴⁹ 31	24 ⁰ 15	15 ²⁷ 7	56 ⁰ 56	13 ²¹ 21	7 ²⁴ 24	13 ¹⁷ 17	16 ⁰ 2	5 ¹⁰ 10	26 ³⁷ 37	28 ⁰ 21	27 ⁰ 4	25 ⁵⁷ 57	4 ³⁵ 35	M28
T 29	20 25 39	5 ⁴⁶ 51	6 ¹¹ 16	16 ¹² 9	8 ⁰ 8	13 ⁵⁵ 55	7 ³⁵ 35	13 ²¹ 21	16 ⁰ 5	5 ¹¹ 11	26 ³⁹ 39	28 ²¹ 21	27 ⁰ 0	26 ⁰ 3	4 ³⁴ 34	T 29
W30	20 29 36	6 ⁴⁴ 11	18 ⁰ 17	17 ⁰ 1	10 ²⁰ 20	14 ³⁰ 30	7 ⁴⁷ 47	13 ²⁵ 25	16 ⁰ 8	5 ¹² 12	26 ⁴⁰ 40	28 ¹⁹ 19	26 ⁵⁷ 57	26 ¹⁰ 10	4 ³³ 33	W30
T 31	20 33 32	7 ⁴¹ 32	0 ⁵ 17	17 ⁵⁷ 11	33 ⁰ 33	15 ⁶ 6	7 ⁵⁹ 59	13 ²⁹ 29	16 ⁰ 11	5 ¹¹ 11	26 ⁴² 42	28 ¹⁵ 15	26 ⁵⁴ 54	26 ¹⁷ 17	4 ³² 32	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	23n 6	19n44	0n17	18n42	3s 0	19n34	1s41	1n 1	0n29	11n32	1n 0	2s26	2n29	6n39	0n46	19n25	1s37	15n43	15n28	20s 9	19s48	17n20	5n 7	3n31									
W 2	23 2	20 59	0s48	18 30	3 15	19 48	1 39	0 48	0 28	11 28	1 0	2 27	2 29	6 38	0 45	19 25	1 37	15 42	15 27	20 9	19 47	17 18	5 7	3 31									
T 3	22 57	21 16	1 51	18 19	3 30	20 2	1 37	0 35	0 27	11 24	1 0	2 28	2 29	6 37	0 45	19 26	1 37	15 41	15 27	20 9	19 47	17 17	5 7	3 31									
F 4	22 52	20 34	2 49	18 10	3 44	20 15	1 35	0 21	0 26	11 21	1 0	2 29	2 28	6 37	0 45	19 26	1 37	15 40	15 27	20 8	19 46	17 15	5 7	3 31									
S 5	22 47	18 58	3 38	18 1	3 57	20 27	1 33	0 8	0 25	11 17	1 0	2 30	2 28	6 36	0 45	19 26	1 37	15 40	15 26	20 7	19 45	17 13	5 7	3 31									
S 6	22 41	16 34	4 18	17 54	4 9	20 39	1 31	0s 6	0 24	11 13	1 0	2 31	2 28	6 35	0 45	19 27	1 37	15 39	15 26	20 5	19 44	17 12	5 8	3 32									
M 7	22 35	13 29	4 47	17 48	4 19	20 51	1 29	0 19	0 23	11 9	1 0	2 32	2 28	6 34	0 45	19 27	1 37	15 38	15 25	20 3	19 44	17 10	5 8	3 32									
T 8	22 29	9 51	5 4	17 44	4 29	21 1	1 26	0 33	0 21	11 5	0 59	2 33	2 27	6 33	0 45	19 27	1 37	15 37	15 25	20 2	19 43	17 9	5 8	3 32									
W 9	22 22	5 49	5 7	17 40	4 37	21 12	1 24	0 47	0 20	11 1	0 59	2 34	2 27	6 32	0 45	19 28	1 37	15 37	15 25	20 0	19 42	17 7	5 8	3 32									
T 10	22 15	1 32	4 57	17 39	4 43	21 22	1 22	1 0	0 19	10 57	0 59	2 35	2 27	6 31	0 45	19 28	1 37	15 36	15 24	19 59	19 42	17 5	5 8	3 32									
F 11	22 7	2s54	4 33	17 38	4 48	21 31	1 19	1 14	0 18	10 53	0 59	2 37	2 27	6 30	0 45	19 28	1 37	15 35	15 24	19 58	19 41	17 4	5 8	3 32									
S 12	21 59	7 17	3 56	17 39	4 52	21 39	1 17	1 28	0 17	10 49	0 59	2 38	2 27	6 29	0 45	19 28	1 37	15 34	15 23	19 57	19 40	17 2	5 8	3 32									
S 13	21 51	11 28	3 6	17 41	4 54	21 47	1 15	1 42	0 16	10 45	0 59	2 39	2 26	6 28	0 45	19 29	1 37	15 34	15 23	19 57	19 39	17 1	5 8	3 32									
M14	21 42	15 13	2 5	17 44	4 54	21 55	1 12	1 56	0 15	10 41	0 59	2 41	2 26	6 27	0 45	19 29	1 37	15 33	15 23	19 57	19 39	16 59	5 8	3 33									
T 15	21 33	18 18	0 55	17 48	4 52	22 2	1 10	2 10	0 14	10 37	0 59	2 42	2 26	6 26	0 45	19 29	1 37	15 32	15 22	19 57	19 38	16 57	5 8	3 33									
W16	21 23	20 23	0n20	17 54	4 49	22 8	1 7	2 24	0 13	10 33	0 59	2 43	2 26	6 25	0 45	19 29	1 37	15 31	15 22	19 57	19 37	16 56	5 8	3 33									
T 17	21 13	21 13	1 36	18 0	4 45	22 14	1 4	2 38	0 12	10 29	0 59	2 45	2 25	6 24	0 45	19 30	1 37	15 30	15 21	19 57	19 37	16 54	5 8	3 33									
F 18	21 3	20 36	2 48	18 8	4 39	22 19	1 2	2 52	0 11	10 25	0 59	2 46	2 25	6 23	0 45	19 30	1 37	15 29	15 21	19 56	19 36	16 52	5 8	3 33									
S 19	20 53	18 30	3 49	18 16	4 31	22 23	0 59	3 6	0 10	10 20	0 59	2 48	2 25	6 22	0 45	19 30	1 37	15 29	15 21	19 55	19 35	16 51	5 8	3 33									
S 20	20 42	15 4	4 34	18 25	4 23	22 27	0 57	3 20	0 9	10 16	0 59	2 49	2 25	6 21	0 45	19 30	1 37	15 28	15 20	19 53	19 34	16 49	5 8	3 33									
M21	20 30	10 40	4 59	18 35	4 13	22 31	0 54	3 35	0 8	10 12	0 59	2 51	2 24	6 20	0 45	19 31	1 37	15 27	15 20	19 52	19 34	16 48	5 8	3 33									
T 22	20 19	5 40	5 4	18 45	4 3	22 33	0 51	3 49	0 7	10 8	0 59	2 52	2 24	6 18	0 45	19 31	1 37	15 26	15 20	19 50	19 33	16 46	5 7	3 34									
W23	20 7	0 27	4 48	18 55	3 51	22 35	0 49	4 3	0 6	10 3	0 59	2 54	2 24	6 17	0 45	19 31	1 37	15 25	15 19	19 48	19 32	16 44	5 7	3 34									
T 24	19 55	4n37	4 15	19 6	3 39	22 37	0 46	4 17	0 5	9 59	0 59	2 55	2 24	6 16	0 45	19 31	1 37	15 24	15 19	19 47	19 32	16 43	5 7	3 34									
F 25	19 42	9 18	3 28	19 17	3 26	22 37	0 43	4 32	0 4	9 55	0 59	2 57	2 24	6 15	0 45	19 32	1 37	15 23	15 19	19 46	19 31	16 41	5 7	3 34									
S 26	19 29	13 22	2 31	19 27	3 13	22 37	0 40	4 46	0 3	9 50	0 59	2 59	2 23	6 14	0 45	19 32	1 37	15 22	15 18	19 46	19 30	16 39	5 6	3 34									
S 27	19 16	16 41	1 28	19 38	2 59	22 37	0 38	5 0	0 2	9 46	0 59	3 1	2 23	6 13	0 45	19 32	1 37	15 22	15 18	19 46	19 29	16 38	5 6	3 34									
M28	19 2	19 7	0 23	19 48	2 44	22 36	0 35	5 15	0 1	9 41	0 58	3 2	2 23	6 11	0 45	19 32	1 37	15 21	15 18	19 46	19 29	16 36	5 6	3 34									
T 29	18 48	20 38	0s42	19 57	2 29	22 34	0 32	5 29	0 0	9 37	0 58	3 4	2 23	6 10	0 45	19 32	1 38	15 20	15 17	19 46	19 28	16 34	5 5	3 34									
W30	18 34	21 10	1 44	20 6	2 14	22 31	0 29	5 43	0s 1	9 32	0 58	3 6	2 23	6 9	0 45	19 33	1 38	15 19	15 17	19 46	19 27	16 33	5 5	3 34									
T 31	18n19	20n44	2s40	20n14	1s59	22n28	0s26	5s58	0s 2	9n28	0n58	3s 8	2n22	6n 8	0n45	19n33	1s38	15n18	15n17	19s45	19s26	16n31	5n 5	3n35									

ASTRODIENST EPHEMERIS for the year 2217

geocentric

AUGUST 2217

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 37 29	8♂38'54	11♂55	18♂58	12♂45	15♂41	8♂12	13♂34	16♂14	5♂15	26♂44	28°R 8	26♂51	26♂23	4°R30	F 1
S 2	20 41 25	9°36'17	23°45	20° 4	13°58	16°16	8°24	13°38	16°17	5°16	26°45	27♂59	26°48	26°30	4°Y29	S 2
S 3	20 45 22	10°33'41	5♂36	21°15	15°10	16°52	8°36	13°43	16°21	5°17	26°47	27°47	26°45	26°37	4°28	S 3
M 4	20 49 18	11°31'06	17°31	22°32	16°23	17°27	8°48	13°47	16°24	5°18	26°48	27°34	26°41	26°44	4°27	M 4
T 5	20 53 15	12°28'31	29°30	23°53	17°35	18° 3	9° 0	13°52	16°27	5°20	26°50	27°21	26°38	26°50	4°25	T 5
W 6	20 57 11	13°25'57	11♂36	25°20	18°48	18°39	9°13	13°56	16°30	5°21	26°52	27° 8	26°35	26°57	4°24	W 6
T 7	21 1 8	14°23'24	23°49	26°51	20° 0	19°15	9°25	14° 1	16°34	5°22	26°54	26°58	26°32	27° 4	4°22	T 7
F 8	21 5 5	15°20'52	6♂12	28°26	21°13	19°51	9°37	14° 6	16°37	5°23	26°55	26°50	26°29	27°10	4°21	F 8
S 9	21 9 1	16°18'20	18°46	0♂12	22°26	20°27	9°50	14°11	16°40	5°24	26°57	26°45	26°26	27°17	4°19	S 9
S 10	21 12 58	17°15'49	1♂35	1°49	23°39	21° 4	10° 2	14°16	16°44	5°25	26°59	26°43	26°22	27°24	4°17	S 10
M 11	21 16 54	18°13'19	14°43	3°36	24°51	21°40	10°15	14°21	16°47	5°26	27° 1	26°D42	26°19	27°30	4°16	M 11
T 12	21 20 51	19°10'49	28°12	5°26	26° 4	22°17	10°27	14°26	16°51	5°27	27° 3	26°R42	26°16	27°37	4°14	T 12
W 13	21 24 47	20° 8'20	12♂4	7°18	27°17	22°53	10°40	14°31	16°54	5°27	27° 4	26°41	26°13	27°44	4°12	W 13
T 14	21 28 44	21° 5'52	26°22	9°14	28°30	23°30	10°52	14°37	16°58	5°28	27° 6	26°39	26°10	27°51	4°10	T 14
F 15	21 32 40	22° 3'25	11♂2	11°11	29°43	24° 7	11° 5	14°42	17° 1	5°29	27° 8	26°35	26° 6	27°57	4° 9	F 15
S 16	21 36 37	23° 0'59	26° 2	13°10	0♂56	24°44	11°17	14°47	17° 5	5°30	27°10	26°27	26° 3	28° 4	4° 7	S 16
S 17	21 40 34	23°58'34	11♂12	15°10	2° 9	25°21	11°30	14°53	17° 8	5°31	27°12	26°18	26° 0	28°11	4° 5	S 17
M 18	21 44 30	24°56'10	26°23	17°11	3°22	25°58	11°43	14°58	17°12	5°31	27°14	26° 7	25°57	28°17	4° 3	M 18
T 19	21 48 27	25°53'47	11♂24	19°13	4°35	26°36	11°56	15° 4	17°15	5°32	27°16	25°56	25°54	28°24	4° 1	T 19
W 20	21 52 23	26°51'25	26° 6	21°15	5°49	27°13	12° 8	15°10	17°19	5°33	27°18	25°47	25°51	28°31	3°59	W 20
T 21	21 56 20	27°49'05	10°Y22	23°18	7° 2	27°51	12°21	15°15	17°22	5°33	27°20	25°39	25°47	28°38	3°57	T 21
F 22	22 0 16	28°46'46	24° 9	25°20	8°15	28°28	12°34	15°21	17°26	5°34	27°22	25°34	25°44	28°44	3°55	F 22
S 23	22 4 13	29°44'29	7♂26	27°21	9°29	29° 6	12°47	15°27	17°30	5°35	27°24	25°32	25°41	28°51	3°52	S 23
S 24	22 8 9	0♂42'13	20°17	29°22	10°42	29°44	12°59	15°33	17°33	5°35	27°26	25°31	25°38	28°58	3°50	S 24
M 25	22 12 6	1°40'00	2♂46	1♂22	11°55	0♂22	13°12	15°39	17°37	5°36	27°28	25°31	25°35	29° 4	3°48	M 25
T 26	22 16 3	2°37'47	14°57	3°21	13° 9	1° 0	13°25	15°45	17°41	5°36	27°30	25°30	25°32	29°11	3°46	T 26
W 27	22 19 59	3°35'37	26°56	5°20	14°22	1°38	13°38	15°51	17°44	5°36	27°32	25°28	25°28	29°18	3°43	W 27
T 28	22 23 56	4°33'28	8♂49	7°17	15°36	2°16	13°51	15°57	17°48	5°37	27°34	25°24	25°25	29°24	3°41	T 28
F 29	22 27 52	5°31'21	20°38	9°13	16°49	2°55	14° 4	16° 3	17°52	5°37	27°36	25°18	25°22	29°31	3°39	F 29
S 30	22 31 49	6°29'15	2♂29	11° 8	18° 3	3°33	14°17	16° 9	17°55	5°38	27°38	25° 8	25°19	29°38	3°36	S 30
S 31	22 35 45	7♂27'11	14♂24	13♂1	19♂17	4♂12	14♂30	16♂15	17♂59	5♂38	27♂40	24♂56	25♂16	29♂45	3°Y34	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18n 5	19n24	3s30	20n21	1s44	22n24	0s24	6s12	0s 3	9n23	0n58	3s10	2n22	6n 6	0n45	F 1
S 2	17 49	17 13	4 10	20 27	1 29	22 20	0 21	6 27	0 4	9 19	0 58	3 12	2 22	6 5	0 45	S 2
S 3	17 34	14 20	4 39	20 31	1 14	22 15	0 18	6 41	0 4	9 14	0 58	3 13	2 22	6 4	0 44	S 3
M 4	17 18	10 51	4 56	20 33	0 59	22 9	0 15	6 56	0 5	9 10	0 58	3 15	2 22	6 3	0 44	M 4
T 5	17 2	6 56	5 1	20 34	0 45	22 3	0 13	7 10	0 6	9 5	0 58	3 17	2 21	6 1	0 44	T 5
W 6	16 46	2 43	4 51	20 32	0 31	21 56	0 10	7 24	0 7	9 0	0 58	3 19	2 21	6 0	0 44	W 6
T 7	16 30	1s40	4 29	20 29	0 17	21 48	0 7	7 39	0 8	8 56	0 58	3 21	2 21	5 59	0 44	T 7
F 8	16 13	6 2	3 53	20 23	0 4	21 40	0 4	7 53	0 9	8 51	0 58	3 23	2 21	5 57	0 44	F 8
S 9	15 56	10 13	3 6	20 15	0n 9	21 31	0 2	8 8	0 10	8 46	0 58	3 26	2 21	5 56	0 44	S 9
S 10	15 38	14 1	2 9	20 4	0 21	21 22	0n 1	8 22	0 11	8 42	0 58	3 28	2 20	5 55	0 44	S 10
M 11	15 21	17 14	1 3	19 51	0 32	21 12	0 4	8 37	0 11	8 37	0 58	3 30	2 20	5 53	0 44	M 11
T 12	15 3	19 36	0n 8	19 35	0 43	21 1	0 7	8 51	0 12	8 32	0 58	3 32	2 20	5 52	0 44	T 12
W 13	14 45	20 53	1 20	19 16	0 53	20 50	0 9	9 5	0 13	8 27	0 58	3 34	2 20	5 51	0 44	W 13
T 14	14 27	20 52	2 30	18 55	1 2	20 38	0 12	9 20	0 14	8 23	0 58	3 36	2 20	5 49	0 44	T 14
F 15	14 8	19 26	3 31	18 31	1 10	20 25	0 14	9 34	0 15	8 18	0 58	3 38	2 20	5 48	0 44	F 15
S 16	13 50	16 40	4 20	18 5	1 18	20 12	0 17	9 48	0 15	8 13	0 58	3 41	2 19	5 47	0 44	S 16
S 17	13 31	12 44	4 50	17 36	1 24	19 58	0 20	10 3	0 16	8 8	0 58	3 43	2 19	5 45	0 44	S 17
M 18	13 12	8 0	5 0	17 5	1 30	19 44	0 22	10 17	0 17	8 3	0 58	3 45	2 19	5 44	0 44	M 18
T 19	12 52	2 49	4 50	16 32	1 34	19 29	0 25	10 31	0 18	7 59	0 58	3 47	2 19	5 42	0 44	T 19
W 20	12 33	2n26	4 20	15 57	1 38	19 14	0 27	10 46	0 19	7 54	0 58	3 50	2 19	5 41	0 44	W 20
T 21	12 13	7 23	3 34	15 20	1 41	18 58	0 30	11 0	0 19	7 49	0 58	3 52	2 19	5 40	0 44	T 21
F 22	11 53	11 48	2 38	14 41	1 43	18 42	0 32	11 14	0 20	7 44	0 58	3 54	2 18	5 38	0 44	F 22
S 23	11 33	15 28	1 34	14 1	1 45	18 25	0 34	11 28	0 21	7 39	0 58	3 57	2 18	5 37	0 44	S 23
S 24	11 13	18 14	0 28	13 20	1 46	18 7	0 37	11 42	0 22	7 34	0 58	3 59	2 18	5 35	0 44	S 24
M 25	10 52	20 4	0s38	12 37	1 46	17 49	0 39	11 56	0 22	7 29	0 58	4 2	2 18	5 34	0 44	M 25
T 26	10 31	20 53	1 41	11 54	1 45	17 31	0 41	12 10	0 23	7 24	0 58	4 4	2 18	5 32	0 44	T 26
W 27	10 11	20 44	2 38	11 9	1 44	17 12	0 43	12 24	0 24	7 19	0 58	4 6	2 18	5 31	0 44	W 27
T 28	9 50	19 40	3 28	10 24	1 42	16 52	0 46	12 38	0 25	7 14	0 58	4 9	2 18	5 30	0 44	T 28
F 29	9 28	17 44	4 8	9 38	1 39	16 32	0 48	12 52	0 25	7 9	0 58	4 11	2 17	5 28	0 44	F 29
S 30	9 7	15 4	4 38	8 52	1 36	16 12	0 50	13 6	0 26	7 5	0 58	4 14	2 17	5 27	0 44	S 30
S 31	8n46	11n46	4s56	8n 6	1n33	15n51	0n52	13s19	0s27	7n 0	0n58	4s16	2n17	5n25	0n44	S 31

Julian Day Number = 2531014.5, Delta T = 181.20 sec
 Ecliptic obliquity = 23°24'34, Nutation = 0°00'16, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°46'52, Lahiri = 26°53'52

ASTRODIENST EPHEMERIS for the year 2217

geocentric

SEPTEMBER 2217

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 39 42	8 ^m 25'09	26 ^h 25	14 ^m 54	20 ^h 23	4 ^m 50	14 ^m 43	16 ^h 22	18 ^m 3	5 ^h 38	27 ^m 42	24 ^h R43	25 ^m 12	29 ^h 51	3 ^h R32	M 1
T 2	22 43 38	9°23'08	8 ^m 33	16°45	21°44	5°29	14°56	16°28	18° 7	5°38	27°44	24 ^m 30	25° 9	29°58	3 ^h Y29	T 2
W 3	22 47 35	10°21'09	20°50	18°34	22°58	6° 8	15° 9	16°34	18°10	5°39	27°47	24°17	25° 6	0 ^h 5	3°27	W 3
T 4	22 51 32	11°19'11	3 ^h 16	20°23	24°12	6°47	15°22	16°41	18°14	5°39	27°49	24° 7	25° 3	0°11	3°24	T 4
F 5	22 55 28	12°17'15	15°52	22°10	25°26	7°26	15°35	16°47	18°18	5°39	27°51	23°59	25° 0	0°18	3°22	F 5
S 6	22 59 25	13°15'20	28°39	23°56	26°40	8° 5	15°48	16°54	18°22	5°39	27°53	23°54	24°57	0°25	3°19	S 6
S 7	23 3 21	14°13'27	11 ^m 39	25°41	27°54	8°45	16° 1	17° 0	18°25	5°39	27°55	23°51	24°53	0°32	3°17	S 7
M 8	23 7 18	15°11'35	24°52	27°24	29° 7	9°24	16°14	17° 7	18°29	5°39	27°57	23°D51	24°50	0°38	3°14	M 8
T 9	23 11 14	16° 9'45	8 ^m 21	29° 6	0 ^h 21	10° 4	16°27	17°13	18°33	5°R39	28° 0	23°51	24°47	0°45	3°11	T 9
W10	23 15 11	17° 7'56	22° 9	0 ^h 47	1°36	10°43	16°40	17°20	18°37	5°39	28° 2	23°R51	24°44	0°52	3° 9	W10
T 11	23 19 7	18° 6'09	6 ^h 15	2°27	2°50	11°23	16°53	17°27	18°41	5°39	28° 4	23°50	24°41	0°58	3° 6	T 11
F 12	23 23 4	19° 4'23	20°39	4° 6	4° 4	12° 3	17° 6	17°33	18°44	5°39	28° 6	23°46	24°37	1° 5	3° 3	F 12
S 13	23 27 1	20° 2'38	5 ^h 19	5°43	5°18	12°42	17°19	17°40	18°48	5°39	28° 8	23°40	24°34	1°12	3° 1	S 13
S 14	23 30 57	21° 0'55	20° 8	7°20	6°32	13°22	17°32	17°47	18°52	5°39	28°11	23°32	24°31	1°19	2°58	S 14
M15	23 34 54	21°59'14	5 ^h 0	8°55	7°46	14° 2	17°45	17°54	18°56	5°38	28°13	23°23	24°28	1°25	2°55	M15
T 16	23 38 50	22°57'34	19°46	10°29	9° 0	14°42	17°58	18° 1	18°59	5°38	28°15	23°14	24°25	1°32	2°53	T 16
W17	23 42 47	23°55'56	4 ^h Y18	12° 2	10°15	15°23	18°11	18° 8	19° 3	5°38	28°17	23° 6	24°22	1°39	2°50	W17
T 18	23 46 43	24°54'19	18°28	13°34	11°29	16° 3	18°24	18°15	19° 7	5°38	28°19	22°59	24°18	1°45	2°47	T 18
F 19	23 50 40	25°52'45	2 ^h 13	15° 5	12°43	16°43	18°37	18°22	19°11	5°37	28°22	22°55	24°15	1°52	2°45	F 19
S 20	23 54 36	26°51'13	15°32	16°35	13°58	17°24	18°50	18°29	19°15	5°37	28°24	22°53	24°12	1°59	2°42	S 20
S 21	23 58 33	27°49'43	28°26	18° 3	15°12	18° 4	19° 3	18°36	19°18	5°36	28°26	22°D53	24° 9	2° 5	2°39	S 21
M22	0 2 29	28°48'15	10 ^h 57	19°31	16°26	18°45	19°16	18°43	19°22	5°36	28°28	22°54	24° 6	2°12	2°36	M22
T 23	0 6 26	29°46'50	23°11	20°57	17°41	19°26	19°28	18°50	19°26	5°36	28°31	22°55	24° 3	2°19	2°33	T 23
W24	0 10 23	0 ^h 45'26	5 ^h 13	22°22	18°55	20° 7	19°41	18°57	19°30	5°35	28°33	22°R55	23°59	2°26	2°31	W24
T 25	0 14 19	1°44'05	17° 6	23°46	20°10	20°47	19°54	19° 4	19°33	5°35	28°35	22°53	23°56	2°32	2°28	T 25
F 26	0 18 16	2°42'46	28°57	25° 9	21°24	21°28	20° 7	19°11	19°37	5°34	28°37	22°50	23°53	2°39	2°25	F 26
S 27	0 22 12	3°41'29	10 ^h 50	26°31	22°39	22°10	20°20	19°18	19°41	5°33	28°39	22°44	23°50	2°46	2°22	S 27
S 28	0 26 9	4°40'14	22°49	27°51	23°54	22°51	20°33	19°25	19°44	5°33	28°42	22°37	23°47	2°52	2°20	S 28
M29	0 30 5	5°39'02	4 ^h 56	29°10	25° 8	23°32	20°46	19°32	19°48	5°32	28°44	22°29	23°43	2°59	2°17	M29
T 30	0 34 2	6 ^h 37'51	17 ^m 14	0 ^h 28	26 ^m 23	24 ^m 13	20 ^m 58	19 ^h 40	19 ^m 52	5 ^h 32	28 ^m 46	22 ^m 20	23 ^m 40	3 ^h 2	2 ^h Y14	T 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	8n24	7n59	5s 0	7n19	1n29	15n29	0n54	13s33	0s28	6n55	0n58	4s19	2n17	5n24	0n44	M 1
T 2	8 2	3 50	4 52	6 32	1 25	15 7	0 56	13 47	0 28	6 50	0 58	4 21	2 17	5 22	0 44	T 2
W 3	7 41	0s30	4 29	5 45	1 20	14 45	0 58	14 0	0 29	6 45	0 58	4 24	2 17	5 21	0 44	W 3
T 4	7 19	4 53	3 54	4 57	1 15	14 23	1 0	14 14	0 30	6 40	0 58	4 27	2 17	5 19	0 44	T 4
F 5	6 57	9 7	3 7	4 10	1 10	13 59	1 1	14 27	0 30	6 35	0 58	4 29	2 17	5 18	0 44	F 5
S 6	6 34	13 0	2 10	3 23	1 4	13 36	1 3	14 41	0 31	6 30	0 59	4 32	2 16	5 16	0 44	S 6
S 7	6 12	16 20	1 4	2 36	0 58	13 12	1 5	14 54	0 32	6 25	0 59	4 34	2 16	5 15	0 44	S 7
M 8	5 50	18 52	0n 5	1 50	0 52	12 48	1 6	15 7	0 32	6 20	0 59	4 37	2 16	5 13	0 44	M 8
T 9	5 27	20 25	1 16	1 3	0 46	12 23	1 8	15 20	0 33	6 15	0 59	4 39	2 16	5 12	0 44	T 9
W10	5 5	20 46	2 25	0 17	0 39	11 59	1 9	15 33	0 34	6 10	0 59	4 42	2 16	5 10	0 44	W10
T 11	4 42	19 50	3 26	0s29	0 32	11 33	1 11	15 46	0 34	6 5	0 59	4 45	2 16	5 9	0 44	T 11
F 12	4 19	17 38	4 15	1 15	0 25	11 8	1 12	15 59	0 35	5 59	0 59	4 47	2 16	5 7	0 44	F 12
S 13	3 56	14 15	4 48	2 0	0 18	10 42	1 14	16 12	0 36	5 54	0 59	4 50	2 16	5 6	0 44	S 13
S 14	3 33	9 57	5 3	2 44	0 11	10 16	1 15	16 25	0 36	5 49	0 59	4 53	2 16	5 5	0 44	S 14
M15	3 11	5 3	4 58	3 29	0 3	9 49	1 16	16 37	0 37	5 44	0 59	4 55	2 16	5 3	0 44	M15
T 16	2 47	0n 8	4 32	4 13	0s 4	9 23	1 17	16 50	0 38	5 39	0 59	4 58	2 16	5 2	0 44	T 16
W17	2 24	5 13	3 49	4 56	0 12	8 56	1 18	17 2	0 38	5 34	0 59	5 1	2 15	5 0	0 44	W17
T 18	2 1	9 54	2 53	5 39	0 19	8 28	1 19	17 14	0 39	5 29	0 59	5 3	2 15	4 59	0 44	T 18
F 19	1 38	13 55	1 48	6 21	0 27	8 1	1 20	17 27	0 39	5 24	0 59	5 6	2 15	4 57	0 44	F 19
S 20	1 15	17 6	0 39	7 3	0 35	7 33	1 21	17 39	0 40	5 19	0 59	5 9	2 15	4 56	0 44	S 20
S 21	0 52	19 18	0s30	7 44	0 43	7 5	1 22	17 51	0 41	5 14	0 59	5 12	2 15	4 54	0 44	S 21
M22	0 29	20 29	1 36	8 24	0 50	6 37	1 23	18 2	0 41	5 9	0 59	5 14	2 15	4 53	0 44	M22
T 23	0 5	20 39	2 35	9 4	0 58	6 9	1 23	18 14	0 42	5 4	0 59	5 17	2 15	4 51	0 44	T 23
W24	0s18	19 51	3 27	9 43	1 6	5 40	1 24	18 26	0 42	4 59	0 59	5 20	2 15	4 50	0 44	W24
T 25	0 41	18 11	4 10	10 21	1 14	5 11	1 25	18 37	0 43	4 54	0 59	5 22	2 15	4 48	0 44	T 25
F 26	1 5	15 45	4 41	10 59	1 21	4 42	1 25	18 49	0 44	4 49	1 0	5 25	2 15	4 47	0 44	F 26
S 27	1 28	12 40	5 1	11 36	1 29	4 13	1 26	19 0	0 44	4 44	1 0	5 28	2 15	4 46	0 44	S 27
S 28	1 51	9 3	5 7	12 12	1 37	3 44	1 26	19 11	0 45	4 39	1 0	5 31	2 15	4 44	0 44	S 28
M29	2 15	5 2	5 0	12 47	1 44	3 15	1 26	19 22	0 45	4 34	1 0	5 33	2 15	4 43	0 44	M29
T 30	2s38	0n45	4s39	13s22	1s52	2n46	1n26	19s33	0s46	4n29	1n 0	5s36	2n15	4n41	0n44	T 30

Julian Day Number = 2531045.5, Delta T = 181.29 sec
 Ecliptic obliquity = 23°24'35, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°46'56, Lahiri = 26°53'56

ASTRODIENST EPHEMERIS for the year 2217

geocentric

OCTOBER 2217

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 37 58	7♏36'42	29♏44	1♏44	27♏37	24♏55	21♏11	19♏47	19♏55	5°R31	28♏48	22°R12	23♏37	3♏13	2°R11	W 1
T 2	0 41 55	8°35'36	12♏27	2°59	28°52	25°36	21°24	19°54	19°59	5♏30	28°50	22♏5	23°34	3°19	2°Y 9	T 2
F 3	0 45 52	9°34'31	25°22	4°12	0♏7	26°18	21°37	20°1	20°3	5°29	28°53	22°0	23°31	3°26	2°6	F 3
S 4	0 49 48	10°33'29	8♏30	5°24	1°22	27°0	21°49	20°9	20°6	5°29	28°55	21°57	23°28	3°33	2°3	S 4
S 5	0 53 45	11°32'28	21°48	6°34	2°36	27°41	22°2	20°16	20°10	5°28	28°57	21°D56	23°24	3°39	2°0	S 5
M 6	0 57 41	12°31'29	5♏19	7°42	3°51	28°23	22°14	20°23	20°13	5°27	28°59	21°57	23°21	3°46	1°58	M 6
T 7	1 1 38	13°30'32	19°0	8°48	5°6	29°5	22°27	20°30	20°17	5°26	29°1	21°58	23°18	3°53	1°55	T 7
W 8	1 5 34	14°29'37	2♏53	9°52	6°21	29°47	22°40	20°38	20°21	5°25	29°4	21°59	23°15	4°0	1°52	W 8
T 9	1 9 31	15°28'44	16°56	10°53	7°36	0♏29	22°52	20°45	20°24	5°24	29°6	22°R 0	23°12	4°6	1°50	T 9
F 10	1 13 27	16°27'52	1♏9	11°52	8°51	1°12	23°5	20°52	20°28	5°23	29°8	21°59	23°9	4°13	1°47	F 10
S 11	1 17 24	17°27'01	15°30	12°48	10°5	1°54	23°17	21°0	20°31	5°22	29°10	21°57	23°5	4°20	1°44	S 11
S 12	1 21 21	18°26'13	29°55	13°41	11°20	2°36	23°29	21°7	20°34	5°21	29°12	21°53	23°2	4°26	1°42	S 12
M13	1 25 17	19°25'26	14♏20	14°31	12°35	3°19	23°42	21°14	20°38	5°20	29°14	21°48	22°59	4°33	1°39	M13
T 14	1 29 14	20°24'41	28°39	15°17	13°50	4°1	23°54	21°22	20°41	5°19	29°16	21°43	22°56	4°40	1°36	T 14
W15	1 33 10	21°23'58	12°Y47	16°0	15°5	4°44	24°6	21°29	20°45	5°18	29°18	21°39	22°53	4°47	1°34	W15
T 16	1 37 7	22°23'17	26°39	16°37	16°20	5°26	24°18	21°36	20°48	5°17	29°21	21°35	22°49	4°53	1°31	T 16
F 17	1 41 3	23°22'38	10♏12	17°11	17°35	6°9	24°31	21°44	20°51	5°16	29°23	21°34	22°46	5°0	1°29	F 17
S 18	1 45 0	24°22'02	23°24	17°39	18°50	6°52	24°43	21°51	20°55	5°14	29°25	21°D33	22°43	5°7	1°26	S 18
S 19	1 48 56	25°21'27	6♏16	18°1	20°5	7°35	24°55	21°58	20°58	5°13	29°27	21°34	22°40	5°13	1°24	S 19
M20	1 52 53	26°20'55	18°48	18°17	21°20	8°18	25°7	22°6	21°1	5°12	29°29	21°35	22°37	5°20	1°21	M20
T 21	1 56 50	27°20'25	1♏3	18°27	22°35	9°1	25°19	22°13	21°5	5°11	29°31	21°37	22°34	5°27	1°19	T 21
W22	2 0 46	28°19'57	13°6	18°R29	23°50	9°44	25°31	22°20	21°8	5°10	29°33	21°38	22°30	5°34	1°17	W22
T 23	2 4 43	29°19'31	25°2	18°23	25°5	10°27	25°43	22°28	21°11	5°8	29°35	21°R39	22°27	5°40	1°14	T 23
F 24	2 8 39	0♏19'08	6♏54	18°10	26°21	11°10	25°54	22°35	21°14	5°7	29°37	21°39	22°24	5°47	1°12	F 24
S 25	2 12 36	1°18'47	18°48	17°47	27°36	11°54	26°6	22°42	21°17	5°6	29°39	21°38	22°21	5°54	1°10	S 25
S 26	2 16 32	2°18'28	0♏48	17°16	28°51	12°37	26°18	22°50	21°20	5°4	29°41	21°36	22°18	6°1	1°7	S 26
M27	2 20 29	3°18'11	12°59	16°36	0♏6	13°21	26°29	22°57	21°23	5°3	29°43	21°34	22°14	6°7	1°5	M27
T 28	2 24 25	4°17'56	25°23	15°48	1°21	14°4	26°41	23°4	21°26	5°1	29°45	21°31	22°11	6°14	1°3	T 28
W29	2 28 22	5°17'44	8♏3	14°51	2°36	14°48	26°52	23°11	21°29	5°0	29°47	21°28	22°8	6°21	1°1	W29
T 30	2 32 18	6°17'33	21°1	13°47	3°51	15°32	27°4	23°19	21°32	4°59	29°48	21°26	22°5	6°27	0°59	T 30
F 31	2 36 15	7♏17'25	4♏15	12♏36	5♏7	16♏15	27♏15	23♏26	21♏35	4♏57	29♏50	21♏25	22♏2	6♏34	0°Y56	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	3s 1	3s38	4s 4	13s55	1s59	2n16	1n27	19s43	0s46	4n25	1n 0	5s39	2n15	4n40	0n44	19n33	1s41
T 2	3 24	7 56	3 17	14 28	2 6	1 47	1 27	19 54	0 47	4 20	1 0	5 42	2 15	4 38	0 44	19 32	1 41
F 3	3 47	11 57	2 19	14 59	2 13	1 17	1 27	20 4	0 47	4 15	1 0	5 44	2 15	4 37	0 44	19 32	1 41
S 4	4 10	15 27	1 12	15 30	2 20	0 47	1 27	20 14	0 48	4 10	1 0	5 47	2 15	4 36	0 44	19 32	1 41
S 5	4 34	18 12	0 1	16 0	2 26	0 17	1 27	20 24	0 48	4 5	1 0	5 50	2 15	4 34	0 44	19 32	1 41
M 6	4 57	19 59	1n12	16 28	2 33	0s12	1 26	20 34	0 49	4 0	1 0	5 53	2 15	4 33	0 44	19 32	1 41
T 7	5 20	20 36	2 22	16 55	2 39	0 42	1 26	20 44	0 49	3 55	1 0	5 55	2 15	4 31	0 44	19 32	1 41
W 8	5 42	19 58	3 24	17 21	2 45	1 12	1 26	20 54	0 50	3 50	1 1	5 58	2 15	4 30	0 44	19 31	1 41
T 9	6 5	18 7	4 15	17 46	2 50	1 42	1 26	21 3	0 50	3 45	1 1	6 1	2 15	4 29	0 44	19 31	1 41
F 10	6 28	15 8	4 51	18 9	3 55	2 12	1 25	21 12	0 51	3 41	1 1	6 4	2 15	4 27	0 44	19 31	1 41
S 11	6 51	11 14	5 10	18 31	3 0	2 42	1 25	21 21	0 51	3 36	1 1	6 6	2 15	4 26	0 44	19 31	1 41
S 12	7 13	6 40	5 9	18 52	3 4	3 11	1 24	21 30	0 52	3 31	1 1	6 9	2 14	4 25	0 44	19 31	1 41
M13	7 36	1 44	4 48	19 10	3 8	3 41	1 24	21 39	0 52	3 26	1 1	6 12	2 15	4 23	0 44	19 30	1 41
T 14	7 58	3n17	4 10	19 27	3 12	4 11	1 23	21 47	0 53	3 21	1 1	6 14	2 15	4 22	0 44	19 30	1 41
W15	8 20	8 3	3 16	19 42	3 14	4 40	1 22	21 56	0 53	3 17	1 1	6 17	2 15	4 21	0 44	19 30	1 41
T 16	8 42	12 19	2 12	19 55	3 16	5 10	1 20	22 4	0 54	3 12	1 1	6 20	2 15	4 19	0 44	19 30	1 41
F 17	9 4	15 50	1 2	20 6	3 18	5 39	1 21	22 12	0 54	3 7	1 2	6 23	2 15	4 18	0 44	19 29	1 41
S 18	9 26	18 26	0s10	20 15	3 18	6 9	1 19	22 20	0 55	3 2	1 2	6 25	2 15	4 17	0 44	19 29	1 41
S 19	9 48	20 1	1 20	20 21	3 18	6 38	1 19	22 27	0 55	2 58	1 2	6 28	2 15	4 15	0 44	19 29	1 41
M20	10 9	20 33	2 24	20 24	3 17	7 7	1 17	22 34	0 55	2 53	1 2	6 31	2 15	4 14	0 44	19 29	1 41
T 21	10 31	20 4	3 20	20 24	3 14	7 36	1 16	22 42	0 56	2 49	1 2	6 33	2 15	4 13	0 44	19 28	1 41
W22	10 52	18 40	4 7	20 21	3 10	8 4	1 15	22 49	0 56	2 44	1 2	6 36	2 15	4 12	0 45	19 28	1 42
T 23	11 13	16 29	4 42	20 15	3 5	8 33	1 14	22 55	0 57	2 39	1 2	6 39	2 15	4 10	0 45	19 28	1 42
F 24	11 34	13 36	5 5	20 5	2 59	9 1	1 13	23 2	0 57	2 35	1 2	6 41	2 15	4 9	0 45	19 28	1 42
S 25	11 55	10 11	5 15	19 51	2 51	9 30	1 11	23 8	0 58	2 30	1 2	6 44	2 15	4 8	0 45	19 27	1 42
S 26	12 16	6 19	5 11	19 32	2 41	9 58	1 10	23 14	0 58	2 26	1 3	6 47	2 15	4 7	0 45	19 27	1 42
M27	12 36	2 9	4 53	19 10	2 29	10 25	1 9	23 20	0 58	2 21	1 3	6 49	2 15	4 6	0 45	19 27	1 42
T 28	12 56	2s11	4 22	18 43	2 16	10 53	1 7	23 26	0 59	2 17	1 3	6 52	2 15	4 4	0 45	19 27	1 42
W29	13 16	6 31	3 37	18 12	2 1	11 20	1 6	23 31	0 59	2 12	1 3	6 55	2 15	4 3	0 45	19 26	1 42
T 30	13 36	10 40	2 40	17 37	1 44	11 47	1 4	23 37	0 59	2 8	1 3	6 57	2 15	4 2	0 45	19 26	1 42
F 31	13s56	14s23	1s33	16s58	1s26	12s14	1n 2	23s42	1s 0	2n 4	1n 3	7s 0	2n15	4n 1	0n45	19n26	1s42

Julian Day Number = 2531075.5, Delta T = 181.38 sec
 Ecliptic obliquity = 23°24'35, Nutation = 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°47'00, Lahiri = 26°54'01

ASTRODIENST EPHEMERIS for the year 2217
geocentric

NOVEMBER 2217

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 40 12	8♍17°19	17♍46	11°R22	6♍22	16♂59	27♍27	23♂33	21♍38	4°R56	29♍52	21°D24	21♍59	6♍41	0°R54	S 1	
S 2	2 44 8	9°17'14	1♂32	10♍ 5	7°37	17°43	27°38	23°40	21°41	4♍54	29°54	21♍25	21°55	6°48	0°Y52	S 2	
M 3	2 48 5	10°17'12	15°29	8°48	8°52	18°27	27°49	23°47	21°44	4°53	29°56	21°25	21°52	6°54	0°50	M 3	
T 4	2 52 1	11°17'11	29°34	7°34	10° 8	19°11	28° 0	23°54	21°47	4°51	29°58	21°26	21°49	7° 1	0°48	T 4	
W 5	2 55 58	12°17'12	13♂45	6°24	11°23	19°55	28°11	24° 2	21°49	4°50	29°59	21°27	21°46	7° 8	0°47	W 5	
T 6	2 59 54	13°17'14	27°58	5°22	12°38	20°40	28°22	24° 9	21°52	4°48	0♍ 1	21°28	21°43	7°14	0°45	T 6	
F 7	3 3 51	14°17'18	12♍11	4°27	13°53	21°24	28°33	24°16	21°55	4°47	0° 3	21°R28	21°40	7°21	0°43	F 7	
S 8	3 7 47	15°17'24	26°22	3°43	15° 9	22° 8	28°44	24°23	21°57	4°45	0° 5	21°28	21°36	7°28	0°41	S 8	
S 9	3 11 44	16°17'30	10♂28	3°10	16°24	22°53	28°54	24°30	22° 0	4°43	0° 6	21°27	21°33	7°35	0°39	S 9	
M10	3 15 41	17°17'39	24°27	2°49	17°39	23°37	29° 5	24°37	22° 3	4°42	0° 8	21°27	21°30	7°41	0°38	M10	
T 11	3 19 37	18°17'49	8°Y17	2°D39	18°54	24°22	29°15	24°44	22° 5	4°40	0°10	21°26	21°27	7°48	0°36	T 11	
W12	3 23 34	19°18'00	21°56	2°41	20°10	25° 6	29°26	24°51	22° 8	4°39	0°11	21°26	21°24	7°55	0°34	W12	
T 13	3 27 30	20°18'13	5♂23	2°53	21°25	25°51	29°36	24°57	22°10	4°37	0°13	21°26	21°20	8° 1	0°33	T 13	
F 14	3 31 27	21°18'28	18°35	3°16	22°40	26°36	29°46	25° 4	22°12	4°35	0°14	21°26	21°17	8° 8	0°31	F 14	
S 15	3 35 23	22°18'44	1♍32	3°48	23°55	27°20	29°56	25°11	22°15	4°34	0°16	21°26	21°14	8°15	0°30	S 15	
S 16	3 39 20	23°19'03	14°13	4°28	25°11	28° 5	0♍ 7	25°18	22°17	4°32	0°17	21°26	21°11	8°22	0°29	S 16	
M17	3 43 16	24°19'23	26°40	5°16	26°26	28°50	0°16	25°25	22°19	4°30	0°19	21°26	21° 8	8°28	0°27	M17	
T 18	3 47 13	25°19'45	8♂53	6°11	27°41	29°35	0°26	25°31	22°21	4°29	0°20	21°25	21° 5	8°35	0°26	T 18	
W19	3 51 10	26°20'08	20°56	7°11	28°57	0♂20	0°36	25°38	22°24	4°27	0°22	21°25	21° 1	8°42	0°25	W19	
T 20	3 55 6	27°20'34	2♍52	8°17	0♂12	1° 5	0°46	25°45	22°26	4°25	0°23	21°24	20°58	8°48	0°23	T 20	
F 21	3 59 3	28°21'01	14°44	9°27	1°27	1°50	0°55	25°51	22°28	4°24	0°25	21°23	20°55	8°55	0°22	F 21	
S 22	4 2 59	29°21'30	26°37	10°41	2°43	2°35	1° 5	25°58	22°30	4°22	0°26	21°D23	20°52	9° 2	0°21	S 22	
S 23	4 6 56	0♂22'01	8♍36	11°58	3°58	3°21	1°14	26° 4	22°32	4°20	0°27	21°23	20°49	9° 9	0°20	S 23	
M24	4 10 52	1°22'34	20°45	13°18	5°13	4° 6	1°23	26°11	22°34	4°19	0°29	21°24	20°46	9°15	0°19	M24	
T 25	4 14 49	2°23'08	3♍ 9	14°40	6°29	4°51	1°33	26°17	22°36	4°17	0°30	21°25	20°42	9°22	0°18	T 25	
W26	4 18 45	3°23'44	15°52	16° 4	7°44	5°37	1°42	26°24	22°37	4°15	0°31	21°26	20°39	9°29	0°17	W26	
T 27	4 22 42	4°24'22	28°56	17°30	8°59	6°22	1°51	26°30	22°39	4°14	0°32	21°27	20°36	9°36	0°16	T 27	
F 28	4 26 39	5°25'01	12♍23	18°57	10°15	7° 8	1°59	26°36	22°41	4°12	0°34	21°28	20°33	9°42	0°16	F 28	
S 29	4 30 35	6°25'42	26°13	20°26	11°30	7°54	2° 8	26°42	22°43	4°10	0°35	21°R28	20°30	9°49	0°15	S 29	
S 30	4 34 32	7♂26'25	10♂23	21♍55	12♂45	8♂39	2♍17	26♍49	22♍44	4♍ 8	0♍36	21♍27	20♍26	9♍56	0°Y14	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	14s15	17s26	0s20	16s17	1s 7	12s40	1n 1	23s46	1s 0	1n59	1n 3	7s 2	2n15	4n 0	0n45	19n25	1s42	14n 3	15n17	18s 5	18s14	13n46	3n35	3n31			
S 2	14 34	19 32	0n56	15 34	0 47	13 6	0 59	23 51	1 0	1 55	1 4	7 5	2 15	3 59	0 45	19 25	1 42	14 3	15 18	18 5	18 13	13 44	3 34	3 31			
M 3	14 53	20 28	2 9	14 50	0 26	13 32	0 57	23 55	1 1	1 51	1 4	7 8	2 15	3 58	0 45	19 25	1 42	14 2	15 18	18 6	18 13	13 42	3 33	3 31			
T 4	15 12	20 9	3 16	14 6	0 5	13 58	0 55	23 59	1 1	1 46	1 4	7 10	2 15	3 57	0 45	19 25	1 42	14 2	15 18	18 6	18 12	13 41	3 32	3 31			
W 5	15 30	18 32	4 11	13 24	0n15	14 23	0 54	24 3	1 1	1 42	1 4	7 13	2 15	3 56	0 45	19 24	1 42	14 2	15 19	18 6	18 11	13 39	3 32	3 30			
T 6	15 48	15 47	4 51	12 45	0 34	14 47	0 52	24 6	1 2	1 38	1 4	7 15	2 15	3 55	0 45	19 24	1 42	14 1	15 19	18 6	18 10	13 37	3 31	3 30			
F 7	16 6	12 7	5 13	12 10	0 53	15 12	0 50	24 10	1 2	1 34	1 4	7 18	2 16	3 54	0 45	19 24	1 42	14 1	15 19	18 6	18 9	13 35	3 30	3 30			
S 8	16 24	7 45	5 16	11 39	1 9	15 36	0 48	24 13	1 2	1 30	1 5	7 20	2 16	3 53	0 45	19 23	1 42	14 1	15 20	18 6	18 9	13 33	3 29	3 30			
S 9	16 41	3 0	5 0	11 14	1 24	15 59	0 46	24 16	1 3	1 25	1 5	7 23	2 16	3 52	0 45	19 23	1 42	14 0	15 20	18 6	18 8	13 31	3 28	3 30			
M10	16 58	1n52	4 26	10 55	1 37	16 23	0 44	24 18	1 3	1 21	1 5	7 25	2 16	3 51	0 45	19 23	1 42	14 0	15 21	18 6	18 7	13 29	3 27	3 29			
T 11	17 15	6 37	3 37	10 41	1 49	16 45	0 42	24 21	1 3	1 17	1 5	7 27	2 16	3 50	0 45	19 22	1 42	14 0	15 21	18 6	18 6	13 27	3 26	3 29			
W12	17 32	10 57	2 36	10 32	1 58	17 8	0 40	24 23	1 4	1 13	1 5	7 30	2 16	3 49	0 45	19 22	1 42	14 0	15 21	18 6	18 5	13 26	3 25	3 29			
T 13	17 48	14 41	1 28	10 29	2 6	17 29	0 37	24 24	1 4	1 9	1 5	7 32	2 16	3 48	0 45	19 22	1 42	13 59	15 22	18 6	18 4	13 24	3 25	3 29			
F 14	18 4	17 35	0 16	10 32	2 11	17 51	0 35	24 26	1 4	1 6	1 6	7 35	2 16	3 47	0 45	19 22	1 42	13 59	15 22	18 6	18 4	13 22	3 24	3 28			
S 15	18 19	19 32	0s56	10 38	2 16	18 12	0 33	24 27	1 4	1 2	1 6	7 37	2 16	3 46	0 45	19 21	1 42	13 59	15 23	18 6	18 3	13 20	3 23	3 28			
S 16	18 35	20 26	2 3	10 49	2 18	18 32	0 31	24 28	1 5	0 58	1 6	7 39	2 16	3 45	0 45	19 21	1 42	13 59	15 23	18 6	18 2	13 18	3 22	3 28			
M17	18 50	20 19	3 3	11 4	2 20	18 52	0 29	24 29	1 5	0 54	1 6	7 42	2 17	3 44	0 45	19 21	1 42	13 58	15 24	18 6	18 1	13 16	3 21	3 28			
T 18	19 4	19 13	3 54	11 21	2 20	19 12	0 26	24 30	1 5	0 50	1 6	7 44	2 17	3 43	0 45	19 20	1 42	13 58	15 24	18 6	18 0	13 14	3 21	3 28			
W19	19 19	17 17	4 33	11 42	2 19	19 30	0 24	24 30	1 5	0 47	1 6	7 46	2 17	3 43	0 45	19 20	1 42	13 58	15 24	18 5	17 59	13 12	3 20	3 27			
T 20	19 32	14 37	5 1	12 5	2 18	19 49	0 22	24 30	1 6	0 43	1 7	7 49	2 17	3 42	0 45	19 20	1 42	13 58	15 25	18 5	17 59	13 11	3 19	3 27			
F 21	19 46	11 22	5 15	12 29	2 15	20 7	0 19	24 30	1 6	0 39	1 7	7 51	2 17	3 41	0 45	19 19	1 42	13 58	15 25	18 5	17 58	13 9	3 19	3 27			
S 22	19 59	7 40	5 16	12 55	2 12	20 24	0 17	24 29	1 6	0 36	1 7	7 53	2 17	3 40	0 45	19 19	1 42	13 58	15 26	18 5	17 57	13 7	3 18	3 27			
S 23	20 12	3 39	5 3	13 23	2 8	20 40	0 15	24 28	1 6	0 32	1 7	7 55	2 17	3 39	0 46	19 19	1 42	13 58	15 26	18 5	17 56	13 5	3 17	3 26			
M24	20 25	0s35	4 36	13 51	2 3	20 57	0 12	24 27	1 6	0 29	1 7	7 58	2 17	3 39	0 46	19 18	1 42	13 58	15 27	18 5	17 55	13 3	3 17	3 26			
T 25	20 37	4 52	3 57	14 20	1 58	21 12	0 10	24 26	1 7	0 25	1 8	8 0	2 18	3 38	0 46	19 18	1 42	13 57	15 27	18 6	17 54	13 1	3 16	3 26			
W26	20 48	9 4	3 5	14 50	1 53	21 27	0 8	24 24	1 7	0 22	1 8	8 2	2 18	3 37	0 46	19 18	1 42	13 57	15 28	18 6	17 54	12 59	3 16	3 26			
T 27	21 0	12 59	2 1	15 19	1 47	21 41	0 5	24 22	1 7	0 18	1 8	8 4	2 18	3 37	0 46	19 18	1 42	13 57	15 28	18 6	17 53	12 57	3 15	3 25			
F 28	21 11	16 20	0 50	15 49	1 41	21 55	0 3	24 20	1 7	0 15	1 8	8 6	2 18	3 36	0 46	19 17	1 42	13 57	15 29	18 6	17 52	12 55	3 14	3 25			
S 29	21 21	18 51	0n26	16 19	1 34	22 8	0 0	24 18	1 7	0 12	1 8	8 8	2 18	3 35	0 46	19 17	1 42	13 57	15 29	18 6	17 51	12 53	3 14	3 25			
S 30	21s31	20s17	1n43	16s49	1n28	22s20	0s 2	24s15	1s 8	0n 9	1n 9	8s10	2n18	3n35	0n46	19n17	1s42	13n57	15n30	18s 6	17s50	12n52	3n13	3n25			

ASTRODIENST EPHEMERIS for the year 2217

geocentric

DECEMBER 2217

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 38 28	8♂27°08	24♂48	23♂25	14♂1	9♂25	2♂25	26♂55	22♂46	4♂R 7	0♂37	21°R25	20♂M23	10♂Ω 2	0°R13	M 1
T 2	4 42 25	9°27'53	9♂23	24°56	15°16	10°11	2°33	27° 1	22°47	4♂II 5	0°38	21♂M23	20°20	10° 9	0°Y13	T 2
W 3	4 46 21	10°28'40	24° 2	26°27	16°32	10°57	2°42	27° 7	22°49	4° 3	0°39	21°21	20°17	10°16	0°12	W 3
T 4	4 50 18	11°29'27	8♂37	27°59	17°47	11°42	2°50	27°13	22°50	4° 2	0°40	21°18	20°14	10°23	0°12	T 4
F 5	4 54 14	12°30'15	23° 4	29°31	19° 2	12°28	2°58	27°19	22°51	4° 0	0°41	21°16	20°11	10°29	0°12	F 5
S 6	4 58 11	13°31'03	7♂19	1♂3	20°18	13°14	3° 5	27°25	22°53	3°58	0°42	21°D15	20° 7	10°36	0°11	S 6
S 7	5 2 8	14°31'53	21°18	2°35	21°33	14° 0	3°13	27°30	22°54	3°57	0°43	21°15	20° 4	10°43	0°11	S 7
M 8	5 6 4	15°32'43	5♂Y 2	4° 8	22°48	14°46	3°21	27°36	22°55	3°55	0°44	21°16	20° 1	10°49	0°11	M 8
T 9	5 10 1	16°33'35	18°31	5°41	24° 4	15°33	3°28	27°42	22°56	3°53	0°45	21°18	19°58	10°56	0°10	T 9
W10	5 13 57	17°34'27	1♂45	7°14	25°19	16°19	3°35	27°47	22°57	3°52	0°45	21°19	19°55	11° 3	0°10	W10
T 11	5 17 54	18°35'20	14°46	8°47	26°35	17° 5	3°42	27°53	22°58	3°50	0°46	21°20	19°52	11°10	0°10	T 11
F 12	5 21 50	19°36'13	27°35	10°20	27°50	17°51	3°49	27°58	22°59	3°48	0°47	21°R20	19°48	11°16	0°D10	F 12
S 13	5 25 47	20°37'08	10♂II 12	11°53	29° 5	18°37	3°56	28° 4	23° 0	3°47	0°48	21°19	19°45	11°23	0°10	S 13
S 14	5 29 44	21°38'04	22°38	13°27	0♂21	19°24	4° 3	28° 9	23° 1	3°45	0°48	21°16	19°42	11°30	0°10	S 14
M15	5 33 40	22°39'00	4♂55	15° 0	1°36	20°10	4°10	28°14	23° 2	3°44	0°49	21°11	19°39	11°37	0°11	M15
T 16	5 37 37	23°39'57	17° 2	16°33	2°51	20°57	4°16	28°19	23° 3	3°42	0°50	21° 5	19°36	11°43	0°11	T 16
W17	5 41 33	24°40'56	29° 2	18° 7	4° 7	21°43	4°22	28°25	23° 4	3°41	0°50	20°59	19°32	11°50	0°11	W17
T 18	5 45 30	25°41'55	10♂Ω 57	19°41	5°22	22°30	4°28	28°30	23° 4	3°39	0°51	20°53	19°29	11°57	0°11	T 18
F 19	5 49 26	26°42'55	22°48	21°14	6°37	23°16	4°34	28°35	23° 5	3°37	0°51	20°47	19°26	12° 3	0°12	F 19
S 20	5 53 23	27°43'56	4♂40	22°48	7°53	24° 3	4°40	28°40	23° 5	3°36	0°52	20°43	19°23	12°10	0°12	S 20
S 21	5 57 19	28°44'58	16°37	24°22	9° 8	24°49	4°46	28°44	23° 6	3°34	0°52	20°40	19°20	12°17	0°13	S 21
M22	6 1 16	29°46'01	28°42	25°56	10°23	25°36	4°51	28°49	23° 6	3°33	0°53	20°D39	19°17	12°24	0°13	M22
T 23	6 5 13	0♂37°05	11♂1	27°30	11°39	26°23	4°57	28°54	23° 7	3°31	0°53	20°40	19°13	12°30	0°14	T 23
W24	6 9 9	1°48'09	23°39	29° 4	12°54	27° 9	5° 2	28°58	23° 7	3°30	0°54	20°41	19°10	12°37	0°14	W24
T 25	6 13 6	2°49'15	6♂40	0♂39	14° 9	27°56	5° 7	29° 3	23° 7	3°29	0°54	20°43	19° 7	12°44	0°15	T 25
F 26	6 17 2	3°50'21	20° 7	2°14	15°25	28°43	5°12	29° 7	23° 7	3°27	0°54	20°R43	19° 4	12°50	0°16	F 26
S 27	6 20 59	4°51'28	4♂2	3°49	16°40	29°30	5°16	29°12	23° 7	3°26	0°54	20°43	19° 1	12°57	0°17	S 27
S 28	6 24 55	5°52'36	18°24	5°24	17°55	0♂17	5°21	29°16	23° 8	3°24	0°55	20°40	18°58	13° 4	0°18	S 28
M29	6 28 52	6°53'44	3♂9	6°59	19°11	1° 4	5°25	29°20	23°R 8	3°23	0°55	20°35	18°54	13°11	0°19	M29
T 30	6 32 48	7°54'53	18° 9	8°35	20°26	1°50	5°29	29°24	23° 8	3°22	0°55	20°28	18°51	13°17	0°20	T 30
W31	6 36 45	8♂56'02	3♂15	10♂10	21♂41	2♂37	5♂33	29♂28	23♂7	3♂II 20	0♂55	20♂M20	18♂M48	13♂Ω24	0°Y21	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	21s41	20s25	2n54	17s18	1n21	22s32	0s 4	24s12	1s 8	0n 5	1n 9	8s12	2n18	3n34	0n46	19n16	1s42
T 2	21 51	19 11	3 55	17 47	1 14	22 43	0 7	24 9	1 8	0 2	1 9	8 14	2 19	3 34	0 46	19 16	1 42
W 3	21 59	16 41	4 40	18 15	1 7	22 53	0 9	24 5	1 8	0s 1	1 9	8 16	2 19	3 33	0 46	19 16	1 42
T 4	22 8	13 8	5 7	18 42	1 0	23 3	0 12	24 1	1 8	0 4	1 9	8 18	2 19	3 33	0 46	19 15	1 42
F 5	22 16	8 51	5 15	19 10	0 53	23 11	0 14	23 57	1 8	0 7	1 10	8 20	2 19	3 32	0 46	19 15	1 42
S 6	22 24	4 8	5 3	19 36	0 46	23 20	0 16	23 53	1 8	0 10	1 10	8 22	2 19	3 32	0 46	19 15	1 42
S 7	22 31	0n44	4 33	20 1	0 39	23 27	0 19	23 48	1 8	0 12	1 10	8 24	2 19	3 31	0 46	19 15	1 42
M 8	22 38	5 29	3 48	20 26	0 31	23 34	0 21	23 44	1 9	0 15	1 10	8 26	2 20	3 31	0 46	19 14	1 42
T 9	22 44	9 53	2 51	20 50	0 24	23 40	0 24	23 38	1 9	0 18	1 11	8 28	2 20	3 30	0 46	19 14	1 42
W10	22 50	13 43	1 46	21 13	0 17	23 46	0 26	23 33	1 9	0 21	1 11	8 30	2 20	3 30	0 46	19 14	1 42
T 11	22 55	16 49	0 36	21 34	0 10	23 50	0 28	23 27	1 9	0 23	1 11	8 32	2 20	3 30	0 46	19 13	1 42
F 12	23 0	19 2	0s34	21 55	0 3	23 54	0 31	23 21	1 9	0 26	1 11	8 33	2 20	3 29	0 46	19 13	1 42
S 13	23 5	20 17	1 42	22 15	0s 4	23 57	0 33	23 15	1 9	0 28	1 11	8 35	2 20	3 29	0 46	19 13	1 42
S 14	23 9	20 30	2 43	22 34	0 11	24 0	0 35	23 9	1 9	0 31	1 12	8 37	2 21	3 29	0 46	19 13	1 42
M15	23 12	19 43	3 36	22 52	0 18	24 1	0 37	23 2	1 9	0 33	1 12	8 38	2 21	3 28	0 46	19 12	1 42
T 16	23 15	18 3	4 18	23 8	0 24	24 2	0 40	22 55	1 9	0 35	1 12	8 40	2 21	3 28	0 46	19 12	1 42
W17	23 18	15 37	4 49	23 24	0 31	24 3	0 42	22 48	1 9	0 38	1 12	8 42	2 21	3 28	0 47	19 12	1 42
T 18	23 20	12 33	5 6	23 38	0 37	24 2	0 44	22 40	1 9	0 40	1 13	8 43	2 21	3 28	0 47	19 11	1 42
F 19	23 22	9 0	5 11	23 51	0 44	24 1	0 46	22 33	1 9	0 42	1 13	8 45	2 22	3 27	0 47	19 11	1 42
S 20	23 23	5 6	5 2	24 3	0 50	23 59	0 48	22 25	1 9	0 44	1 13	8 46	2 22	3 27	0 47	19 11	1 42
S 21	23 24	0 59	4 40	24 13	0 56	23 56	0 50	22 16	1 9	0 46	1 13	8 48	2 22	3 27	0 47	19 11	1 42
M22	23 25	3s14	4 5	24 22	1 2	23 52	0 52	22 8	1 9	0 48	1 14	8 49	2 22	3 27	0 47	19 10	1 42
T 23	23 24	7 24	3 19	24 31	1 7	23 48	0 54	21 59	1 9	0 50	1 14	8 51	2 22	3 27	0 47	19 10	1 42
W24	23 24	11 22	2 22	24 37	1 13	23 43	0 56	21 50	1 9	0 52	1 14	8 52	2 23	3 27	0 47	19 10	1 42
T 25	23 23	14 55	1 16	24 43	1 18	23 38	0 58	21 41	1 9	0 53	1 14	8 54	2 23	3 27	0 47	19 10	1 41
F 26	23 21	17 48	0 3	24 47	1 23	23 31	1 0	21 31	1 9	0 55	1 15	8 55	2 23	3 27	0 47	19 9	1 41
S 27	23 19	19 45	1n11	24 49	1 28	23 24	1 2	21 21	1 9	0 57	1 15	8 56	2 23	3 27	0 47	19 9	1 41
S 28	23 17	20 31	2 24	24 51	1 33	23 16	1 4	21 11	1 9	0 58	1 15	8 58	2 24	3 27	0 47	19 9	1 41
M29	23 14	19 54	3 29	24 51	1 37	23 7	1 6	21 1	1 9	1 0	1 15	8 59	2 24	3 27	0 47	19 9	1 41
T 30	23 10	17 53	4 20	24 49	1 41	22 58	1 7	20 51	1 9	1 1	1 16	9 0	2 24	3 27	0 47	19 9	1 41
W31	23s 7	14s39	4n54	24s46	1s45	22s48	1s 9	20s40	1s 9	1s 3	1n16	9s 1	2n24	3n27	0n47	19n 8	1s41

Julian Day Number = 2531136.5, Delta T = 181.57 sec
 Ecliptic obliquity = 23°24'33, Nutation = 0°00'12, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 27°47'09, Lahiri = 26°54'09