



# Astrodienst Ephemeris Tables for the year 2017

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 2017

## geocentric

JANUARY 2017

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 43 21	10°34'19	11°51	3°R17	27°29	9°31	21°15	21°22	20°34	9°44	16°57	4°R33	6°14	25°11	21°8	S 1
M 2	6 47 17	11°46'29	24°38	2°310	28°34	10°17	21°15	21°29	20°34	9°45	16°59	4°R30	6°10	25°11	21°8	M 2
T 3	6 51 14	12°47'40	7°38	1°12	29°39	11°2	21°21	21°36	20°34	9°47	17°1	4°D30	6°7	25°17	21°10	T 3
W 4	6 55 10	13°48'50	20°51	0°24	0°43	11°47	21°27	21°43	20°34	9°48	17°3	4°30	6°4	25°24	21°11	W 4
T 5	6 59 7	14°49'59	4°21	29°46	1°48	12°33	21°33	21°49	20°35	9°50	17°5	4°32	6°1	25°31	21°13	T 5
F 6	7 3 3	15°51'09	18°7	29°18	2°51	13°18	21°39	21°56	20°35	9°51	17°7	4°R32	5°58	25°38	21°15	F 6
S 7	7 7 0	16°52'17	2°11	29°0	3°55	14°3	21°44	22°3	20°35	9°53	17°9	4°31	5°55	25°44	21°17	S 7
S 8	7 10 57	17°53'26	16°33	28°D52	4°58	14°48	21°49	22°9	20°36	9°54	17°11	4°28	5°51	25°51	21°19	S 8
M 9	7 14 53	18°54'34	1°110	28°52	6°1	15°34	21°54	22°16	20°36	9°56	17°13	4°22	5°48	25°58	21°21	M 9
T 10	7 18 50	19°55'42	15°56	29°2	7°3	16°19	21°59	22°23	20°37	9°57	17°15	4°16	5°45	26°5	21°23	T 10
W11	7 22 46	20°56'49	0°344	29°19	8°5	17°4	22°4	22°29	20°38	9°59	17°17	4°9	5°42	26°11	21°25	W11
T 12	7 26 43	21°57'56	15°26	29°43	9°6	17°49	22°9	22°36	20°38	10°1	17°19	4°2	5°39	26°18	21°27	T 12
F 13	7 30 39	22°59'02	29°55	0°313	10°8	18°34	22°14	22°42	20°39	10°2	17°21	3°56	5°35	26°25	21°30	F 13
S 14	7 34 36	24°0'08	14°14	0°50	11°8	19°20	22°18	22°48	20°40	10°4	17°23	3°53	5°32	26°31	21°32	S 14
S 15	7 38 33	25°1'14	27°49	1°31	12°9	20°5	22°22	22°55	20°41	10°6	17°25	3°D51	5°29	26°38	21°34	S 15
M16	7 42 29	26°2'19	11°119	2°18	13°9	20°50	22°26	23°1	20°42	10°8	17°27	3°51	5°26	26°45	21°37	M16
T 17	7 46 26	27°3'24	24°4	3°8	14°8	21°35	22°30	23°8	20°42	10°9	17°29	3°52	5°23	26°52	21°39	T 17
W18	7 50 22	28°4'29	6°37	4°2	15°7	22°20	22°34	23°14	20°43	10°11	17°31	3°54	5°20	26°58	21°41	W18
T 19	7 54 19	29°5'34	18°53	5°0	16°5	23°5	22°37	23°20	20°44	10°13	17°34	3°56	5°16	27°5	21°44	T 19
F 20	7 58 15	0°6'38	0°1155	6°1	17°3	23°50	22°40	23°26	20°46	10°15	17°36	3°R56	5°13	27°12	21°46	F 20
S 21	8 2 12	1°7'42	12°50	7°5	18°1	24°35	22°43	23°32	20°47	10°17	17°38	3°55	5°10	27°18	21°49	S 21
S 22	8 6 8	2°8'45	24°41	8°11	18°58	25°20	22°46	23°38	20°48	10°19	17°40	3°53	5°7	27°25	21°51	S 22
M23	8 10 5	3°9'48	6°37	9°19	19°54	26°5	22°49	23°44	20°49	10°20	17°42	3°49	5°4	27°32	21°54	M23
T 24	8 14 1	4°10'51	18°32	10°30	20°50	26°50	22°52	23°50	20°50	10°22	17°44	3°45	5°1	27°39	21°57	T 24
W25	8 17 58	5°11'53	0°339	11°42	21°45	27°35	22°54	23°56	20°52	10°24	17°46	3°39	4°57	27°45	21°59	W25
T 26	8 21 55	6°12'55	12°57	12°56	22°39	28°20	22°56	24°2	20°53	10°26	17°48	3°34	4°54	27°52	22°2	T 26
F 27	8 25 51	7°13'55	25°28	14°12	23°33	29°5	22°58	24°8	20°55	10°28	17°50	3°30	4°51	27°59	22°5	F 27
S 28	8 29 48	8°14'55	8°11	15°29	24°26	29°49	23°0	24°14	20°56	10°30	17°51	3°27	4°48	28°6	22°8	S 28
S 29	8 33 44	9°15'54	21°9	16°47	25°18	0°34	23°2	24°20	20°58	10°32	17°53	3°25	4°45	28°12	22°10	S 29
M30	8 37 41	10°16'52	4°19	18°7	26°10	1°19	23°3	24°25	20°59	10°34	17°55	3°D24	4°41	28°19	22°13	M30
T 31	8 41 37	11°17'49	17°42	19°38	27°1	2°4	23°5	24°31	21°1	10°36	17°57	3°25	4°41	28°19	22°13	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	23s 0	15s20	1n58	20s21	3n 2	13s42	1s27	8s49	0s53	7s 4	1n17	21s52	1n17	7n28	0s36	8s43
M 2	22 55	12 29	0 53	20 16	3 9	13 16	1 23	8 31	0 52	7 6	1 17	21 53	1 17	7 28	0 36	8 42
T 3	22 49	8 58	0s17	20 13	3 12	12 49	1 18	8 12	0 51	7 8	1 17	21 53	1 17	7 28	0 36	8 41
W 4	22 43	4 57	1 27	20 12	3 14	12 22	1 14	7 54	0 50	7 10	1 18	21 54	1 17	7 29	0 36	8 41
T 5	22 37	0 38	2 34	20 13	3 13	11 55	1 10	7 36	0 49	7 12	1 18	21 54	1 17	7 29	0 36	8 40
F 6	22 30	3n49	3 33	20 15	3 11	11 28	1 5	7 18	0 48	7 14	1 18	21 55	1 17	7 29	0 36	8 40
S 7	22 22	8 9	4 21	20 19	3 7	11 1	1 0	6 59	0 47	7 15	1 18	21 55	1 17	7 29	0 36	8 39
S 8	22 14	12 5	4 53	20 24	3 2	10 33	0 55	6 41	0 46	7 17	1 18	21 55	1 17	7 29	0 36	8 39
M 9	22 6	15 22	5 8	20 31	2 55	10 5	0 50	6 23	0 45	7 19	1 19	21 56	1 17	7 29	0 36	8 38
T 10	21 57	17 41	5 2	20 38	2 48	9 37	0 45	6 4	0 44	7 21	1 19	21 56	1 17	7 30	0 36	8 37
W11	21 48	18 50	4 36	20 46	2 40	9 9	0 40	5 46	0 43	7 22	1 19	21 57	1 17	7 30	0 36	8 37
T 12	21 39	18 42	3 52	20 54	2 32	8 41	0 34	5 27	0 42	7 24	1 19	21 57	1 17	7 30	0 36	8 36
F 13	21 29	17 20	2 53	21 3	2 23	8 13	0 29	5 8	0 41	7 25	1 20	21 57	1 17	7 31	0 36	8 35
S 14	21 18	14 55	1 45	21 12	2 14	7 44	0 23	4 50	0 40	7 27	1 20	21 58	1 17	7 31	0 36	8 35
S 15	21 7	11 43	0 33	21 22	2 4	7 16	0 17	4 31	0 39	7 28	1 20	21 58	1 17	7 31	0 36	8 34
M16	20 56	8 0	0n40	21 31	1 54	6 47	0 11	4 13	0 38	7 29	1 20	21 58	1 17	7 32	0 36	8 33
T 17	20 45	4 0	1 48	21 39	1 45	6 19	0 5	3 54	0 37	7 30	1 21	21 59	1 17	7 32	0 36	8 33
W18	20 33	0s 2	2 49	21 48	1 35	5 50	0n 2	3 35	0 36	7 31	1 21	21 59	1 17	7 32	0 36	8 32
T 19	20 20	3 59	3 41	21 55	1 25	5 22	0 8	3 17	0 35	7 33	1 21	21 59	1 17	7 33	0 36	8 31
F 20	20 7	7 42	4 22	22 3	1 15	4 53	0 15	2 58	0 34	7 34	1 21	22 0	1 17	7 33	0 36	8 31
S 21	19 54	11 3	4 51	22 9	1 6	4 24	0 22	2 39	0 33	7 34	1 22	22 0	1 17	7 34	0 35	8 30
S 22	19 41	13 57	5 8	22 15	0 56	3 56	0 29	2 20	0 32	7 35	1 22	22 0	1 17	7 34	0 35	8 29
M23	19 27	16 17	5 12	22 20	0 47	3 27	0 36	2 2	0 31	7 36	1 22	22 0	1 17	7 35	0 35	8 29
T 24	19 13	17 55	5 2	22 24	0 37	2 59	0 43	1 43	0 30	7 37	1 22	22 1	1 17	7 35	0 35	8 28
W25	18 58	18 47	4 39	22 27	0 28	2 30	0 50	1 24	0 29	7 37	1 23	22 1	1 17	7 36	0 35	8 27
T 26	18 43	18 47	4 2	22 29	0 19	2 2	0 58	1 6	0 28	7 38	1 23	22 1	1 17	7 36	0 35	8 26
F 27	18 28	17 53	3 13	22 30	0 11	1 33	1 6	0 47	0 27	7 39	1 23	22 1	1 17	7 37	0 35	8 26
S 28	18 12	16 3	2 14	22 30	0 2	1 5	1 13	0 28	0 26	7 39	1 23	22 2	1 17	7 37	0 35	8 25
S 29	17 56	13 23	1 7	22 29	0s 6	0 37	1 21	0 9	0 25	7 39	1 24	22 2	1 17	7 38	0 35	8 24
M30	17 40	10 0	0s 5	22 27	0 15	0 9	1 29	0n 9	0 24	7 40	1 24	22 2	1 17	7 39	0 35	8 23
T 31	17s23	6s 3	1s18	22s24	0s22	0n18	1n38	0n28	0s23	7s40	1n24	22s 2	1n17	7n39	0s35	8s23

Julian Day Number = 2457754.5, Delta T = 68.59 sec  
 Ecliptic obliquity = 23°26'04, Nutation = - 0°00'06, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 24°58'40, Lahiri = 24°05'40

# ASTRODIENST EPHEMERIS for the year 2017

## geocentric

FEBRUARY 2017

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	8 45 34	12°18'44"	1°16'	20°50'	27°51'	2°49'	23°6'	24°36'	21°2'	10°38'	17°59'	3°26'	4°35'	28°32'	22°19'	W 1
T 2	8 49 30	13°19'38"	15° 1'	22°14'	28°40'	3°33'	23° 7'	24°42'	21° 4'	10°40'	18° 1'	3°28'	4°32'	28°39'	22°22'	T 2
F 3	8 53 27	14°20'31"	28°56'	23°38'	29°29'	4°18'	23° 7'	24°47'	21° 6'	10°42'	18° 3'	3°29'	4°29'	28°46'	22°25'	F 3
S 4	8 57 24	15°21'23"	13° 0'	25° 3'	0°16'	5° 3'	23° 8'	24°53'	21° 8'	10°44'	18° 5'	3°R29	4°26'	28°53'	22°28'	S 4
S 5	9 1 20	16°22'13"	27°11'	26°29'	1° 3'	5°47'	23° 8'	24°58'	21° 9'	10°47'	18° 7'	3°29'	4°22'	28°59'	22°31'	S 5
M 6	9 5 17	17°23'02"	11°12'28"	27°57'	1°48'	6°32'	23°R 8'	25° 3'	21°11'	10°49'	18° 9'	3°28'	4°19'	29° 6'	22°34'	M 6
T 7	9 9 13	18°23'49"	25°48'	29°25'	2°33'	7°16'	23° 8'	25° 8'	21°13'	10°51'	18°10'	3°26'	4°16'	29°13'	22°37'	T 7
W 8	9 13 10	19°24'35"	10°53'	0°53'	3°16'	8° 1'	23° 8'	25°13'	21°15'	10°53'	18°12'	3°24'	4°13'	29°20'	22°41'	W 8
T 9	9 17 6	20°25'19"	24°19'	2°23'	3°58'	8°45'	23° 8'	25°18'	21°17'	10°55'	18°14'	3°23'	4°10'	29°26'	22°44'	T 9
F 10	9 21 3	21°26'02"	8°21'	3°54'	4°40'	9°30'	23° 7'	25°23'	21°19'	10°57'	18°16'	3°21'	4° 6'	29°33'	22°47'	F 10
S 11	9 25 0	22°26'43"	22° 9'	5°25'	5°20'	10°14'	23° 6'	25°28'	21°21'	11° 0'	18°18'	3°20'	4° 3'	29°40'	22°50'	S 11
S 12	9 28 56	23°27'23"	5°40'	6°58'	5°58'	10°58'	23° 5'	25°33'	21°24'	11° 2'	18°19'	3°D20	4° 0'	29°46'	22°53'	S 12
M13	9 32 53	24°28'02"	18°52'	8°31'	6°36'	11°43'	23° 4'	25°38'	21°26'	11° 4'	18°21'	3°21'	3°57'	29°53'	22°57'	M13
T 14	9 36 49	25°28'39"	1°45'	10° 5'	7°12'	12°27'	23° 3'	25°43'	21°28'	11° 6'	18°23'	3°21'	3°54'	29°59'	23° 0'	T 14
W15	9 40 46	26°29'15"	14°19'	11°40'	7°47'	13°11'	23° 1'	25°47'	21°30'	11° 8'	18°25'	3°22'	3°51'	0°57'	23° 3'	W15
T 16	9 44 42	27°29'50"	26°37'	13°16'	8°20'	13°56'	22°59'	25°52'	21°33'	11°11'	18°26'	3°23'	3°47'	0°13'	23° 7'	T 16
F 17	9 48 39	28°30'24"	8°42'	14°52'	8°52'	14°40'	22°58'	25°56'	21°35'	11°13'	18°28'	3°23'	3°44'	0°20'	23°10'	F 17
S 18	9 52 35	29°30'57"	20°39'	16°30'	9°22'	15°24'	22°55'	26° 1'	21°37'	11°15'	18°30'	3°23'	3°41'	0°27'	23°13'	S 18
S 19	9 56 32	0°31'28"	2°32'	18° 8'	9°51'	16° 8'	22°53'	26° 5'	21°40'	11°17'	18°31'	3°R24	3°38'	0°33'	23°17'	S 19
M20	10 0 28	1°31'58"	14°26'	19°48'	10°18'	16°52'	22°51'	26° 9'	21°42'	11°19'	18°33'	3°23'	3°35'	0°40'	23°20'	M20
T 21	10 4 25	2°32'56"	26°25'	21°28'	10°43'	17°36'	22°48'	26°13'	21°45'	11°22'	18°35'	3°23'	3°32'	0°47'	23°24'	T 21
W22	10 8 22	3°32'54"	8°33'	23° 9'	11° 6'	18°20'	22°45'	26°17'	21°47'	11°24'	18°36'	3°D23	3°28'	0°54'	23°27'	W22
T 23	10 12 18	4°33'20"	20°55'	24°51'	11°28'	19° 4'	22°42'	26°21'	21°50'	11°26'	18°38'	3°23'	3°25'	1° 0'	23°30'	T 23
F 24	10 16 15	5°33'44"	3°34'	26°35'	11°48'	19°48'	22°39'	26°25'	21°52'	11°29'	18°39'	3°24'	3°22'	1° 7'	23°34'	F 24
S 25	10 20 11	6°34'07"	16°31'	28°19'	12° 5'	20°32'	22°36'	26°29'	21°55'	11°31'	18°41'	3°24'	3°19'	1°14'	23°37'	S 25
S 26	10 24 8	7°34'28"	29°46'	0°4'	12°21'	21°16'	22°32'	26°33'	21°57'	11°33'	18°42'	3°R24	3°16'	1°21'	23°41'	S 26
M27	10 28 4	8°34'48"	13°20'	1°50'	12°34'	22° 0'	22°28'	26°37'	22° 0'	11°35'	18°44'	3°24'	3°12'	1°27'	23°44'	M27
T 28	10 32 1	9°35'06"	27°10'	3°37'	12°46'	22°43'	22°24'	26°40'	22° 3'	11°38'	18°45'	3°24'	3°9'	1°34'	23°48'	T 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
W 1	17s 6	1s45	2s28	22s19	0s30	0n46	1n46	0n46	0s22	7s40	1n24	22s 2	1n17	7n40	0s35	8s22	0s51	21s16	0n58	10n15	9n50	14s50	0n30	3n52			
T 2	16 49	2n41	3 30	22 13	0 38	1 13	1 55	1 5	0 21	7 40	1 25	22 3	1 17	7 41	0 35	8 21	0 51	21 16	0 58	10 14	9 51	14 52	0 31	3 51			
F 3	16 32	7 2	4 20	22 6	0 45	1 41	2 3	1 24	0 21	7 40	1 25	22 3	1 17	7 41	0 35	8 20	0 51	21 16	0 58	10 14	9 52	14 53	0 32	3 51			
S 4	16 14	11 2	4 56	21 58	0 52	2 8	2 12	1 42	0 20	7 40	1 25	22 3	1 17	7 42	0 35	8 19	0 51	21 15	0 58	10 14	9 53	14 54	0 33	3 51			
S 5	15 56	14 26	5 14	21 49	0 59	2 34	2 21	2 1	0 19	7 40	1 25	22 3	1 17	7 43	0 35	8 19	0 51	21 15	0 58	10 14	9 54	14 56	0 34	3 51			
M 6	15 37	16 59	5 13	21 38	1 5	3 1	2 30	2 19	0 18	7 40	1 26	22 3	1 17	7 44	0 35	8 18	0 51	21 15	0 58	10 14	9 55	14 57	0 35	3 51			
T 7	15 19	18 30	4 52	21 26	1 11	3 27	2 39	2 38	0 17	7 40	1 26	22 3	1 17	7 44	0 35	8 17	0 51	21 15	0 58	10 15	9 57	14 58	0 36	3 50			
W 8	15 0	18 50	4 14	21 13	1 17	3 53	2 49	2 56	0 16	7 39	1 26	22 4	1 17	7 45	0 35	8 16	0 51	21 15	0 58	10 15	9 58	15 0	0 37	3 50			
T 9	14 41	17 59	3 19	20 58	1 23	4 18	2 58	3 14	0 15	7 39	1 26	22 4	1 17	7 46	0 35	8 15	0 51	21 15	0 58	10 16	9 59	15 1	0 38	3 50			
F 10	14 21	16 1	2 14	20 42	1 28	4 43	3 8	3 33	0 14	7 39	1 27	22 4	1 17	7 47	0 35	8 14	0 51	21 14	0 57	10 16	10 0	15 2	0 39	3 50			
S 11	14 2	13 9	1 2	20 25	1 33	5 8	3 17	3 51	0 13	7 38	1 27	22 4	1 17	7 47	0 35	8 14	0 51	21 14	0 57	10 17	10 1	15 4	0 41	3 50			
S 12	13 42	9 38	0n13	20 6	1 38	5 32	3 27	4 9	0 13	7 37	1 27	22 4	1 17	7 48	0 35	8 13	0 51	21 14	0 57	10 17	10 2	15 5	0 42	3 50			
M13	13 22	5 42	1 25	19 46	1 42	5 56	3 37	4 27	0 12	7 37	1 27	22 4	1 18	7 49	0 35	8 12	0 51	21 14	0 57	10 17	10 4	15 6	0 43	3 49			
T 14	13 2	1 37	2 31	19 25	1 46	6 20	3 47	4 45	0 11	7 36	1 28	22 4	1 18	7 50	0 35	8 11	0 51	21 14	0 57	10 16	10 5	15 8	0 44	3 49			
W15	12 41	2s27	3 28	19 3	1 50	6 43	3 57	5 3	0 10	7 35	1 28	22 4	1 18	7 51	0 35	8 10	0 51	21 14	0 57	10 16	10 6	15 9	0 45	3 49			
T 16	12 20	6 18	4 14	18 39	1 53	7 6	4 7	5 21	0 9	7 34	1 28	22 5	1 18	7 52	0 35	8 9	0 51	21 13	0 57	10 16	10 7	15 10	0 46	3 49			
F 17	11 59	9 51	4 48	18 14	1 57	7 28	4 18	5 39	0 8	7 33	1 28	22 5	1 18	7 53	0 35	8 9	0 51	21 13	0 57	10 16	10 8	15 11	0 47	3 49			
S 18	11 38	12 56	5 9	17 47	1 59	7 49	4 28	5 57	0 7	7 32	1 28	22 5	1 18	7 54	0 35	8 8	0 51	21 13	0 57	10 16	10 9	15 13	0 49	3 49			
S 19	11 17	15 29	5 17	17 19	2 2	8 10	4 39	6 15	0 7	7 31	1 29	22 5	1 18	7 54	0 35	8 7	0 51	21 13	0 57	10 16	10 10	15 14	0 50	3 49			
M20	10 56	17 22	5 11	16 50	2 4	8 30	4 49	6 32	0 6	7 30	1 29	22 5	1 18	7 55	0 35	8 6	0 51	21 13	0 57	10 16	10 12	15 15	0 51	3 48			
T 21	10 34	18 31	4 52	16 19	2 5	8 50	5 0	6 50	0 5	7 29	1 29	22 5	1 18	7 56	0 34	8 5	0 51	21 13	0 57	10 16	10 13	15 17	0 52	3 48			
W22	10 12	18 50	4 20	15 47	2 6	9 9	5 10	7 7	0 4	7 28	1 29	22 5	1 18	7 57	0 34	8 4	0 51	21 13	0 57	10 16	10 14	15 18	0 54	3 48			
T 23	9 50	18 16	3 34	15 14	2 7	9 27	5 21	7 25	0 3	7 27	1 30	22 5	1 18	7 58	0 34	8 3	0 51	21 12	0 56	10 16	10 15	15 19	0 55	3 48			
F 24	9 28	16 47	2 38	14 39	2 8	9 44	5 31	7 42	0 3	7 25	1 30	22 5	1 18	7 59	0 34	8 3	0 51	21 12	0 56	10 16	10 16	15 21	0 56	3 48			
S 25	9 6	14 25	1 32	14 3	2 8	10 1	5 42	7 59	0 2	7 24	1 30	22 5	1 18	8 0	0 34	8 2	0 51	21 12	0 56	10 16	10 17	15 22	0 57	3 48			
S 26	8 44	11 14	0 20	13 26	2 7	10 17	5 52	8 17	0 1	7 22	1 30	22 5	1 18	8 1	0 34	8 1	0 51	21 12	0 56	10 15	10 18	15 23	0 59	3 48			
M27	8 21	7 24	0s55	12 47	2 6	10 32	6 3	8 34	0 0	7 21	1 30	22 5	1 18	8 2	0 34	8 0	0 51	21 12	0 56	10 15	10 20	15 25	1 0	3 48			
T 28	7s58	3s 5	2s 8	12s 7	2s 5	10n46	6n13	8n51	0n 1	7s19	1n31	22s 5	1n18	8n 3	0s34	7s59	0s51	21s12	0n56	10n16	10n21	15s26	1n 1	3n47			

Julian Day Number = 2457785.5, Delta T = 68.63 sec

Ecliptic obliquity = 23°26'05", Nutation = - 0°00'06", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°58'44", Lahiri = 24°05'45"

# ASTRODIENST EPHEMERIS for the year 2017

## geocentric

MARCH 2017

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 35 57	10°35'22	11°13'	5°25'	12°55'	23°27'	22°R20	26°44'	22°Y 6	11°40'	18°47'	3°R23	3°M 6	1°41'	23°51'	W 1
T 2	10 39 54	11°35'36	25°25'	7°14'	13° 2'	24°11'	22°A16	26°47'	22° 8	11°42'	18°48'	3°M22	3° 3	1°47'	23°55'	T 2
F 3	10 43 51	12°35'48	9°8'42	9° 5'	13° 7'	24°55'	22°12'	26°50'	22°11'	11°44'	18°49'	3°21'	3° 0	1°54'	23°59'	F 3
S 4	10 47 47	13°35'58	24° 0'	10°56'	13°R 9	25°38'	22° 7'	26°54'	22°14'	11°47'	18°51'	3°20'	2°57'	2° 1	24° 2	S 4
S 5	10 51 44	14°36'06	8°11'5	12°48'	13° 8'	26°22'	22° 2'	26°57'	22°17'	11°49'	18°52'	3°D19	2°53'	2° 8	24° 6	S 5
M 6	10 55 40	15°36'11	22°26'	14°41'	13° 6'	27° 5'	21°57'	27° 0'	22°20'	11°51'	18°53'	3°19'	2°50'	2°14'	24° 9	M 6
T 7	10 59 37	16°36'15	6°29'29	16°35'	13° 0'	27°49'	21°52'	27° 3'	22°23'	11°54'	18°55'	3°20'	2°47'	2°21'	24°13'	T 7
W 8	11 3 33	17°36'17	20°23'	18°30'	12°52'	28°32'	21°47'	27° 6'	22°26'	11°56'	18°56'	3°21'	2°44'	2°28'	24°16'	W 8
T 9	11 7 30	18°36'16	4°12'8	20°26'	12°42'	29°16'	21°42'	27° 8'	22°29'	11°58'	18°57'	3°22'	2°41'	2°34'	24°20'	T 9
F 10	11 11 26	19°36'13	17°41'	22°23'	12°29'	29°59'	21°36'	27°11'	22°32'	12° 0'	18°58'	3°23'	2°38'	2°41'	24°24'	F 10
S 11	11 15 23	20°36'08	1°12'2	24°20'	12°14'	0°8'42	21°31'	27°14'	22°35'	12° 3'	19° 0'	3°R24	2°34'	2°48'	24°27'	S 11
S 12	11 19 20	21°36'01	14°11'	26°18'	11°56'	1°26'	21°25'	27°16'	22°38'	12° 5'	19° 1'	3°24'	2°31'	2°55'	24°31'	S 12
M13	11 23 16	22°35'52	27° 5'	28°16'	11°36'	2° 9'	21°19'	27°19'	22°41'	12° 7'	19° 2'	3°22'	2°28'	3° 1	24°35'	M13
T 14	11 27 13	23°35'41	9°46'4	0°Y14	11°13'	2°52'	21°13'	27°21'	22°44'	12° 9'	19° 3'	3°20'	2°25'	3° 8	24°38'	T 14
W15	11 31 9	24°35'29	22°14'	2°13'	10°49'	3°35'	21° 7'	27°23'	22°47'	12°12'	19° 4'	3°17'	2°22'	3°15'	24°42'	W15
T 16	11 35 6	25°35'14	4°12'29	4°11'	10°22'	4°18'	21° 1'	27°25'	22°50'	12°14'	19° 5'	3°13'	2°18'	3°22'	24°45'	T 16
F 17	11 39 2	26°34'58	16°34'	6° 9'	9°53'	5° 1'	20°54'	27°27'	22°53'	12°16'	19° 6'	3° 9'	2°15'	3°28'	24°49'	F 17
S 18	11 42 59	27°34'40	28°31'	8° 6'	9°22'	5°44'	20°48'	27°29'	22°56'	12°18'	19° 7'	3° 6'	2°12'	3°35'	24°53'	S 18
S 19	11 46 55	28°34'20	10°27'4	10° 1'	8°50'	6°27'	20°41'	27°31'	23° 0'	12°21'	19° 8'	3° 4'	2° 9'	3°42'	24°56'	S 19
M20	11 50 52	29°33'58	22°17'	11°56'	8°16'	7°10'	20°35'	27°33'	23° 3'	12°23'	19° 9'	3° 2'	2° 6'	3°48'	25° 0	M20
T 21	11 54 48	0°Y33'35	4°31'5	13°48'	7°41'	7°53'	20°28'	27°35'	23° 6'	12°25'	19°10'	3°D 2	2° 3	3°55'	25° 3	T 21
W22	11 58 45	1°33'10	16°22'	15°38'	7° 5'	8°36'	20°21'	27°36'	23° 9'	12°27'	19°11'	3° 3	1°59'	4° 2	25° 7	W22
T 23	12 2 42	2°32'43	28°43'	17°25'	6°28'	9°19'	20°14'	27°38'	23°13'	12°29'	19°12'	3° 4	1°56'	4° 9	25°11'	T 23
F 24	12 6 38	3°32'15	11°22'22	19° 9'	5°51'	10° 2'	20° 7'	27°39'	23°16'	12°31'	19°13'	3° 6	1°53'	4°15'	25°14'	F 24
S 25	12 10 35	4°31'44	24°24'	20°50'	5°13'	10°44'	20° 0'	27°40'	23°19'	12°34'	19°13'	3° 7	1°50'	4°22'	25°18'	S 25
S 26	12 14 31	5°31'12	7°49'	22°26'	4°36'	11°27'	19°53'	27°41'	23°22'	12°36'	19°14'	3°R 8	1°47'	4°29'	25°21'	S 26
M27	12 18 28	6°30'38	21°39'	23°58'	3°58'	12°10'	19°45'	27°43'	23°26'	12°38'	19°15'	3° 6	1°43'	4°36'	25°25'	M27
T 28	12 22 24	7°30'02	5°Y51	25°25'	3°21'	12°52'	19°38'	27°43'	23°29'	12°40'	19°16'	3° 3	1°40'	4°42'	25°28'	T 28
W29	12 26 21	8°29'23	20°21'	26°46'	2°45'	13°35'	19°31'	27°44'	23°32'	12°42'	19°16'	2°59'	1°37'	4°49'	25°32'	W29
T 30	12 30 17	9°28'43	5°8'2	28° 3'	2° 9'	14°17'	19°23'	27°45'	23°36'	12°44'	19°17'	2°53'	1°34'	4°56'	25°36'	T 30
F 31	12 34 14	10°Y28'01	19°8'47	29°Y13	1°Y35	15°8'0	19°A16	27°46'	23°Y39	12°46'	19°B18	2°M48	1°M31	5°A2	25°A39	F 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	7s36	1n27	3s15	11s26	2s 3	10n59	6n23	9n 8	0n 1	7s17	1n31	22s 5	1n18	8n 4	0s34	7s58
T 2	7 13	5 57	4 10	10 43	2 1	11 11	6 34	9 25	0 2	7 15	1 31	22 5	1 18	8 5	0 34	7 57
F 3	6 50	10 7	4 50	9 59	1 58	11 22	6 44	9 41	0 3	7 14	1 31	22 5	1 18	8 6	0 34	7 57
S 4	6 27	13 43	5 12	9 14	1 55	11 32	6 53	9 58	0 4	7 12	1 31	22 5	1 19	8 8	0 34	7 56
S 5	6 4	16 29	5 15	8 28	1 51	11 40	7 3	10 14	0 4	7 10	1 32	22 5	1 19	8 9	0 34	7 55
M 6	5 41	18 14	4 59	7 40	1 46	11 48	7 12	10 31	0 5	7 8	1 32	22 5	1 19	8 10	0 34	7 54
T 7	5 17	18 52	4 25	6 51	1 41	11 54	7 21	10 47	0 6	7 6	1 32	22 5	1 19	8 11	0 34	7 53
W 8	4 54	18 20	3 36	6 1	1 36	11 59	7 30	11 3	0 7	7 4	1 32	22 5	1 19	8 12	0 34	7 52
T 9	4 30	16 43	2 35	5 10	1 30	12 2	7 38	11 20	0 7	7 2	1 32	22 5	1 19	8 13	0 34	7 51
F 10	4 7	14 10	1 26	4 18	1 23	12 5	7 46	11 36	0 8	6 59	1 33	22 5	1 19	8 14	0 34	7 51
S 11	3 43	10 54	0 13	3 25	1 16	12 5	7 53	11 51	0 9	6 57	1 33	22 5	1 19	8 15	0 34	7 50
S 12	3 20	7 8	0n59	2 31	1 8	12 5	8 0	12 7	0 10	6 55	1 33	22 5	1 19	8 17	0 34	7 49
M13	2 56	3 6	2 7	1 36	1 0	12 2	8 6	12 23	0 10	6 53	1 33	22 5	1 19	8 18	0 34	7 48
T 14	2 33	1s 0	3 7	0 41	0 51	11 58	8 12	12 38	0 11	6 50	1 33	22 5	1 19	8 19	0 34	7 47
W15	2 9	4 59	3 57	0n15	0 42	11 53	8 17	12 54	0 12	6 48	1 33	22 5	1 19	8 20	0 34	7 46
T 16	1 45	8 41	4 36	1 11	0 32	11 46	8 21	13 9	0 13	6 45	1 33	22 5	1 19	8 21	0 34	7 46
F 17	1 22	11 58	5 1	2 7	0 21	11 38	8 24	13 24	0 13	6 43	1 34	22 5	1 19	8 22	0 34	7 45
S 18	0 58	14 44	5 13	3 3	0 10	11 28	8 27	13 39	0 14	6 40	1 34	22 5	1 19	8 24	0 34	7 44
S 19	0 34	16 52	5 11	3 59	0n 1	11 17	8 29	13 54	0 15	6 38	1 34	22 5	1 19	8 25	0 34	7 43
M20	0 10	18 17	4 56	4 54	0 13	11 4	8 29	14 9	0 15	6 35	1 34	22 5	1 20	8 26	0 34	7 42
T 21	0n13	18 53	4 29	5 49	0 24	10 50	8 29	14 23	0 16	6 32	1 34	22 5	1 20	8 27	0 34	7 41
W22	0 37	18 39	3 49	6 43	0 37	10 35	8 28	14 38	0 17	6 30	1 34	22 5	1 20	8 28	0 34	7 41
T 23	1 1	17 31	2 57	7 36	0 49	10 19	8 26	14 52	0 17	6 27	1 34	22 5	1 20	8 30	0 34	7 40
F 24	1 24	15 30	1 56	8 27	1 1	10 1	8 23	15 6	0 18	6 24	1 34	22 5	1 20	8 31	0 34	7 39
S 25	1 48	12 38	0 48	9 16	1 14	9 43	8 20	15 20	0 19	6 22	1 34	22 5	1 20	8 32	0 34	7 38
S 26	2 12	9 2	0s26	10 3	1 26	9 23	8 15	15 34	0 19	6 19	1 34	22 5	1 20	8 33	0 34	7 37
M27	2 35	4 50	1 39	10 49	1 38	9 3	8 9	15 48	0 20	6 16	1 35	22 5	1 20	8 35	0 34	7 37
T 28	2 59	0 16	2 49	11 32	1 49	8 42	8 2	16 1	0 21	6 13	1 35	22 5	1 20	8 36	0 34	7 36
W29	3 22	4n25	3 49	12 12	2 1	8 21	7 55	16 15	0 21	6 10	1 35	22 5	1 20	8 37	0 34	7 35
T 30	3 45	8 53	4 35	12 49	2 11	7 59	7 47	16 28	0 22	6 7	1 35	22 5	1 20	8 38	0 34	7 34
F 31	4n 9	12n49	5s 2	13n24	2n22	7n38	7n38	16n41	0n22	6s 5	1n35	22s 5	1n20	8n39	0s34	7s33

Julian Day Number = 2457813.5, Delta T = 68.66 sec  
 Ecliptic obliquity = 23°26'06, Nutation = - 0°00'07, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 24°58'48, Lahiri = 24°05'49

# ASTRODIENST EPHEMERIS for the year 2017

## geocentric

APRIL 2017

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 38 11	11°27'16	4°11'28	0°8'17	1°R 2	15°8'42	19°R 8	27°7'46	23°Y42	12°K48	19°Z18	2°R43	1°M28	5°7'9	25°K43	S 1
S 2	12 42 7	12°26'29	19° 0	1°14	0°Y30	16°25	19°1	27°47	23°46	12°50	19°19	2°M39	1°24	5°16	25°46	S 2
M 3	12 46 4	13°25'40	3°51'17	2° 5	0° 1	17° 7	18°53	27°47	23°49	12°52	19°19	2°37	1°21	5°23	25°50	M 3
T 4	12 50 0	14°24'48	17°17	2°50	29°K33	17°49	18°45	27°47	23°53	12°54	19°20	2°D36	1°18	5°29	25°53	T 4
W 5	12 53 57	15°23'55	1°0'0	3°27	29° 7	18°32	18°38	27°48	23°56	12°56	19°20	2°37	1°15	5°36	25°57	W 5
T 6	12 57 53	16°22'58	14°27	3°58	28°43	19°14	18°30	27°R48	23°59	12°58	19°21	2°39	1°12	5°43	26° 0	T 6
F 7	13 1 50	17°22'00	27°39	4°21	28°21	19°56	18°22	27°48	24° 3	13° 0	19°21	2°R40	1° 9	5°49	26° 3	F 7
S 8	13 5 46	18°20'59	10°M37	4°38	28° 2	20°38	18°14	27°48	24° 6	13° 2	19°22	2°39	1° 5	5°56	26° 7	S 8
S 9	13 9 43	19°19'56	23°23	4°48	27°45	21°20	18° 7	27°47	24°10	13° 4	19°22	2°37	1° 2	6° 3	26°10	S 9
M10	13 13 40	20°18'50	5°15'58	4°R51	27°30	22° 2	17°59	27°47	24°13	13° 6	19°22	2°33	0°59	6°10	26°14	M10
T 11	13 17 36	21°17'43	18°24	4°47	27°18	22°44	17°51	27°47	24°17	13° 8	19°23	2°26	0°56	6°16	26°17	T 11
W12	13 21 33	22°16'34	0°M40	4°38	27° 9	23°26	17°44	27°46	24°20	13°10	19°23	2°18	0°53	6°23	26°20	W12
T 13	13 25 29	23°15'22	12°48	4°22	27° 2	24° 8	17°36	27°45	24°23	13°12	19°23	2° 8	0°49	6°30	26°24	T 13
F 14	13 29 26	24°14'09	24°48	4° 1	26°57	24°50	17°28	27°45	24°27	13°14	19°23	1°58	0°46	6°37	26°27	F 14
S 15	13 33 22	25°12'54	6°7'43	3°35	26°D55	25°32	17°21	27°44	24°30	13°15	19°23	1°49	0°43	6°43	26°30	S 15
S 16	13 37 19	26°11'38	18°35	3° 4	26°55	26°13	17°13	27°43	24°34	13°17	19°24	1°41	0°40	6°50	26°33	S 16
M17	13 41 15	27°10'19	0°Z27	2°30	26°57	26°55	17° 6	27°42	24°37	13°19	19°24	1°35	0°37	6°57	26°37	M17
T 18	13 45 12	28° 8'59	12°24	1°52	27° 2	27°37	16°58	27°41	24°41	13°21	19°24	1°32	0°34	7° 3	26°40	T 18
W19	13 49 9	29° 7'37	24°28	1°12	27° 9	28°19	16°51	27°40	24°44	13°23	19°24	1°D30	0°30	7°10	26°43	W19
T 20	13 53 5	0°8'6'13	6°11'22	0°31	27°19	29° 0	16°43	27°38	24°47	13°24	19°24	1°30	0°27	7°17	26°46	T 20
F 21	13 57 2	1° 4'48	19°22	29°Y49	27°30	29°42	16°36	27°37	24°51	13°26	19°R24	1°31	0°24	7°24	26°49	F 21
S 22	14 0 58	2° 3'21	2°K21	29° 6	27°44	0°I23	16°29	27°36	24°54	13°28	19°24	1°R32	0°21	7°30	26°52	S 22
S 23	14 4 55	3° 1'53	15°47	28°25	28° 0	1° 5	16°22	27°34	24°58	13°29	19°24	1°31	0°18	7°37	26°55	S 23
M24	14 8 51	4° 0'23	29°41	27°45	28°17	1°46	16°15	27°32	25° 1	13°31	19°24	1°28	0°14	7°44	26°58	M24
T 25	14 12 48	4°58'51	14°Y 3	27° 7	28°37	2°28	16° 8	27°31	25° 5	13°32	19°24	1°22	0°11	7°50	27° 2	T 25
W26	14 16 44	5°57'17	28°48	26°32	28°58	3° 9	16° 1	27°29	25° 8	13°34	19°23	1°14	0° 8	7°57	27° 4	W26
T 27	14 20 41	6°55'41	13°B49	26° 0	29°21	3°50	15°54	27°27	25°11	13°36	19°23	1° 5	0° 5	8° 4	27° 7	T 27
F 28	14 24 37	7°54'04	28°58	25°32	29°46	4°32	15°47	27°25	25°15	13°37	19°23	0°55	0° 2	8°11	27°10	F 28
S 29	14 28 34	8°52'25	14°I 2	25° 8	0°Y12	5°13	15°41	27°23	25°18	13°39	19°23	0°46	29°159	8°17	27°13	S 29
S 30	14 32 31	9°50'44	28°I54	24°Y48	0°Y40	5°I54	15°434	27°7'20	25°Y21	13°K40	19°Z23	0°M39	29°155	8°7'24	27°K16	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	4n32	15n57	5s10	13n55	2n31	7n16	7n28	16n54	0n23	6s 2	1n35	22s 5	1n20	8n41	0s34	7s33	0s51	21s 9	0n54	10n30	10n57	16s 6	1n45	3n46			
S 2	4 55	18 2	4 58	14 24	2 40	6 54	7 18	17 7	0 24	5 59	1 35	22 5	1 20	8 42	0 34	7 32	0 51	21 9	0 54	10 32	10 58	16 7	1 46	3 46			
M 3	5 18	18 57	4 27	14 49	2 47	6 32	7 7	17 20	0 24	5 56	1 35	22 5	1 20	8 43	0 34	7 31	0 51	21 9	0 54	10 32	10 59	16 8	1 48	3 46			
T 4	5 41	18 40	3 41	15 10	2 54	6 10	6 55	17 32	0 25	5 53	1 35	22 4	1 21	8 45	0 34	7 30	0 52	21 9	0 54	10 33	11 1	16 10	1 49	3 46			
W 5	6 4	17 17	2 43	15 29	3 0	5 49	6 44	17 45	0 26	5 50	1 35	22 4	1 21	8 46	0 34	7 30	0 52	21 9	0 54	10 32	11 2	16 11	1 50	3 46			
T 6	6 26	14 57	1 37	15 43	3 4	5 28	6 31	17 57	0 26	5 47	1 35	22 4	1 21	8 47	0 34	7 29	0 52	21 9	0 54	10 32	11 3	16 12	1 52	3 46			
F 7	6 49	11 52	0 27	15 55	3 8	5 8	6 19	18 9	0 27	5 44	1 35	22 4	1 21	8 48	0 34	7 28	0 52	21 9	0 53	10 31	11 4	16 13	1 53	3 46			
S 8	7 12	8 15	0n43	16 2	3 10	4 48	6 6	18 21	0 27	5 41	1 35	22 4	1 21	8 50	0 34	7 27	0 52	21 9	0 53	10 32	11 5	16 15	1 54	3 46			
S 9	7 34	4 18	1 50	16 6	3 10	4 30	5 52	18 32	0 28	5 38	1 35	22 4	1 21	8 51	0 34	7 27	0 52	21 9	0 53	10 32	11 6	16 16	1 56	3 46			
M10	7 56	0 14	2 50	16 6	3 9	4 12	5 39	18 44	0 28	5 35	1 35	22 4	1 21	8 52	0 34	7 26	0 52	21 9	0 53	10 34	11 7	16 17	1 57	3 46			
T 11	8 18	3s48	3 41	16 3	3 7	3 54	5 26	18 55	0 29	5 33	1 35	22 4	1 21	8 53	0 34	7 25	0 52	21 9	0 53	10 36	11 9	16 18	1 59	3 46			
W12	8 40	7 37	4 21	15 56	3 4	3 38	5 12	19 6	0 30	5 30	1 35	22 4	1 21	8 55	0 34	7 25	0 52	21 9	0 53	10 39	11 10	16 19	2 0	3 46			
T 13	9 2	11 5	4 49	15 46	2 58	3 23	4 58	19 17	0 30	5 27	1 35	22 4	1 21	8 56	0 34	7 24	0 52	21 10	0 53	10 43	11 11	16 21	2 1	3 46			
F 14	9 24	14 3	5 3	15 33	2 52	3 8	4 45	19 28	0 31	5 24	1 35	22 4	1 21	8 57	0 34	7 23	0 52	21 10	0 53	10 46	11 12	16 22	2 3	3 46			
S 15	9 45	16 25	5 5	15 16	2 43	2 55	4 31	19 39	0 31	5 21	1 35	22 4	1 21	8 58	0 34	7 23	0 52	21 10	0 53	10 50	11 13	16 23	2 4	3 46			
S 16	10 7	18 5	4 53	14 56	2 34	2 43	4 18	19 49	0 32	5 18	1 35	22 4	1 21	9 0	0 34	7 22	0 52	21 10	0 53	10 52	11 14	16 24	2 5	3 46			
M17	10 28	18 58	4 28	14 34	2 23	2 31	4 4	19 59	0 32	5 15	1 35	22 4	1 21	9 1	0 34	7 21	0 52	21 10	0 53	10 54	11 15	16 25	2 7	3 46			
T 18	10 49	19 1	3 52	14 10	2 10	2 21	3 51	20 10	0 33	5 13	1 34	22 4	1 21	9 2	0 34	7 21	0 52	21 10	0 53	10 56	11 16	16 26	2 8	3 46			
W19	11 10	18 11	3 5	13 43	1 57	2 12	3 38	20 19	0 33	5 10	1 34	22 3	1 21	9 3	0 34	7 20	0 52	21 10	0 53	10 56	11 17	16 28	2 9	3 46			
T 20	11 30	16 30	2 8	13 15	1 42	2 4	3 25	20 29	0 34	5 7	1 34	22 3	1 21	9 5	0 34	7 19	0 52	21 10	0 53	10 56	11 19	16 29	2 10	3 46			
F 21	11 51	13 59	1 5	12 46	1 27	1 57	3 12	20 39	0 34	5 4	1 34	22 3	1 22	9 6	0 34	7 19	0 52	21 10	0 53	10 56	11 20	16 30	2 12	3 46			
S 22	12 11	10 42	0s 4	12 16	1 11	1 50	2 59	20 48	0 35	5 2	1 34	22 3	1 22	9 7	0 34	7 18	0 52	21 10	0 52	10 56	11 21	16 31	2 13	3 46			
S 23	12 31	6 46	1 15	11 45	0 54	1 45	2 47	20 57	0 36	4 59	1 34	22 3	1 22	9 8	0 34	7 17	0 52	21 10	0 52	10 56	11 22	16 32	2 14	3 46			
M24	12 51	2 20	2 24	11 15	0 38	1 41	2 35	21 6	0 36	4 57	1 34	22 3	1 22	9 10	0 34	7 17	0 52	21 10	0 52	10 57	11 23	16 33	2 16	3 46			
T 25	13 11	2n22	3 26	10 46	0 20	1 38	2 23	21 15	0 37	4 54	1 34	22 3	1 22	9 11	0 34	7 16	0 52	21 10	0 52	10 59	11 24	16 35	2 17	3 46			
W26	13 30	7 3	4 16	10 17	0 3	1 36	2 11	21 23	0 37	4 51	1 34	22 3	1 22	9 12	0 34	7 16	0 52	21 10	0 52	11 2	11 25	16 36	2 18	3 46			
T 27	13 49	11 23	4 49	9 50	0s13	1 34	2 0	21 32	0 38	4 49	1 34	22 3	1 22	9 13	0 34	7 15	0 52	21 10	0 52	11 5	11 26	16 37	2 19	3 47			
F 28	14 8	15 0	5 2	9 24	0 30	1 34	1 48	21 40	0 38	4 46	1 33	22 3	1 22	9 15	0 34	7 15	0 52	21 11	0 52	11 9	11 28	16 38	2 20	3 47			
S 29	14 27	17 36	4 55	9 1	0 46	1 34	1 38	21 48	0 39	4 44	1 33	22 3	1 22	9 16	0 34	7 14	0 52	21 11	0 52	11 12	11 29	16 39	2 22	3 47			
S 30	14n46	18n59	4s27	8n39	1s 2	1n36	1n27	21n56	0n39	4s42	1n33	22s 3	1n22	9n17	0s34	7s14	0s52	21s11	0n52	11n15	11n30	16s40	2n23	3n47			

# ASTRODIENST EPHEMERIS for the year 2017

## geocentric

MAY 2017

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 36 27	10°34'01"	13°26'26"	24°R33	1°Y 9	6°II35	15°R28	27°R18	25°Y25	13°K41	19°R22	0°R33	29°Ω52	8°A31	27°K19	M 1	
T 2	14 40 24	11°47'16"	27°34'	24°Y23	1°40	7°17	15°A21	27°A16	25°28	13°43	19°B22	0°M31	29°49	8°38	27°22	T 2	
W 3	14 44 20	12°45'28"	11°Ω18	24°17	2°13	7°58	15°15	27°13	25°31	13°44	19°22	0°D30	29°46	8°44	27°25	W 3	
T 4	14 48 17	13°43'39"	24°40'	24°D16	2°46	8°39	15° 9	27°11	25°35	13°46	19°21	0°R30	29°43	8°51	27°27	T 4	
F 5	14 52 13	14°41'48"	7°M41	24°20	3°21	9°20	15° 3	27° 8	25°38	13°47	19°21	0°30	29°40	8°58	27°30	F 5	
S 6	14 56 10	15°39'54"	20°25'	24°29	3°58	10° 1	14°57	27° 6	25°41	13°48	19°20	0°29	29°36	9° 4	27°33	S 6	
S 7	15 0 6	16°37'59"	2°A56	24°42	4°35	10°42	14°52	27° 3	25°45	13°50	19°20	0°25	29°33	9°11	27°35	S 7	
M 8	15 4 3	17°36'02"	15°16	25° 0	5°14	11°22	14°46	27° 0	25°48	13°51	19°19	0°18	29°30	9°18	27°38	M 8	
T 9	15 8 0	18°34'03"	27°28	25°22	5°53	12° 3	14°41	26°57	25°51	13°52	19°19	0° 9	29°27	9°25	27°40	T 9	
W10	15 11 56	19°32'02"	9°M33	25°49	6°34	12°44	14°35	26°54	25°54	13°53	19°18	29°Ω57	29°24	9°31	27°43	W10	
T 11	15 15 53	20°30'00"	21°33	26°19	7°16	13°25	14°30	26°51	25°57	13°54	19°18	29°44	29°20	9°38	27°45	T 11	
F 12	15 19 49	21°27'56"	3°A29	26°54	7°59	14° 6	14°25	26°48	26° 1	13°56	19°17	29°30	29°17	9°45	27°48	F 12	
S 13	15 23 46	22°25'51"	15°21	27°33	8°43	14°46	14°20	26°45	26° 4	13°57	19°17	29°17	29°14	9°51	27°50	S 13	
S 14	15 27 42	23°23'45"	27°13	28°15	9°27	15°27	14°16	26°41	26° 7	13°58	19°16	29° 5	29°11	9°58	27°53	S 14	
M15	15 31 39	24°21'37"	9°B 6	29° 1	10°13	16° 8	14°11	26°38	26°10	13°59	19°15	28°56	29° 8	10° 5	27°55	M15	
T 16	15 35 35	25°19'27"	21° 3	29°51	10°59	16°48	14° 7	26°35	26°13	14° 0	19°15	28°50	29° 5	10°12	27°57	T 16	
W17	15 39 32	26°17'17"	3°A 7	0°A44	11°46	17°29	14° 3	26°31	26°16	14° 1	19°14	28°46	29° 1	10°18	27°59	W17	
T 18	15 43 29	27°15'05"	15°24	1°40	12°34	18° 9	13°59	26°28	26°19	14° 2	19°13	28°45	28°58	10°25	28° 2	T 18	
F 19	15 47 25	28°12'52"	27°57	2°40	13°23	18°50	13°55	26°24	26°22	14° 3	19°12	28°45	28°55	10°32	28° 4	F 19	
S 20	15 51 22	29°10'38"	10°K51	3°43	14°13	19°30	13°51	26°21	26°25	14° 4	19°12	28°45	28°52	10°38	28° 6	S 20	
S 21	15 55 18	0°II 8'23"	24°12	4°48	15° 3	20°11	13°47	26°17	26°28	14° 4	19°11	28°43	28°49	10°45	28° 8	S 21	
M22	15 59 15	1° 6'07"	8°Y 1	5°56	15°54	20°51	13°44	26°13	26°31	14° 5	19°10	28°40	28°46	10°52	28°10	M22	
T 23	16 3 11	2° 3'49"	22°20	7° 8	16°45	21°31	13°41	26° 9	26°34	14° 6	19° 9	28°34	28°42	10°59	28°12	T 23	
W24	16 7 8	3° 1'31"	7°B 6	8°22	17°38	22°12	13°38	26° 5	26°37	14° 7	19° 8	28°26	28°39	11° 5	28°14	W24	
T 25	16 11 4	3°59'12"	22°12	9°39	18°30	22°52	13°35	26° 2	26°40	14° 8	19° 7	28°15	28°36	11°12	28°16	T 25	
F 26	16 15 1	4°56'51"	7°II30	10°58	19°24	23°32	13°32	25°58	26°43	14° 8	19° 6	28° 5	28°33	11°19	28°18	F 26	
S 27	16 18 58	5°54'29"	22°47	12°20	20°17	24°12	13°30	25°54	26°46	14° 9	19° 5	27°54	28°30	11°26	28°20	S 27	
S 28	16 22 54	6°52'06"	7°B53	13°44	21°12	24°53	13°27	25°50	26°49	14°10	19° 4	27°46	28°26	11°32	28°21	S 28	
M29	16 26 51	7°49'42"	22°39	15°12	22° 7	25°33	13°25	25°46	26°52	14°10	19° 3	27°40	28°23	11°39	28°23	M29	
T 30	16 30 47	8°47'16"	6°Ω59	16°41	23° 2	26°13	13°23	25°41	26°54	14°11	19° 2	27°37	28°20	11°46	28°25	T 30	
W31	16 34 44	9°II44'49"	20°Ω52	18°B13	23°Y58	26°II53	13°A21	25°A37	26°Y57	14°K11	19°B 1	27°Ω35	28°Ω17	11°A52	28°K26	W31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	15n 4	19n 4	3s43	8n19	1s17	1n38	1n16	22n 3	0n39	4s39	1n33	22s 3	1n22	9n18	0s34	7s13	0s52
T 2	15 22	17 56	2 45	8 2	1 31	1 41	1 6	22 11	0 40	4 37	1 33	22 2	1 22	9 20	0 34	7 12	0 52
W 3	15 40	15 47	1 40	7 48	1 44	1 45	0 56	22 18	0 40	4 35	1 33	22 2	1 22	9 21	0 34	7 12	0 52
T 4	15 57	12 49	0 31	7 36	1 57	1 49	0 47	22 25	0 41	4 33	1 32	22 2	1 22	9 22	0 34	7 12	0 52
F 5	16 15	9 16	0n38	7 26	2 9	1 54	0 37	22 32	0 41	4 31	1 32	22 2	1 22	9 23	0 34	7 11	0 52
S 6	16 32	5 23	1 43	7 19	2 19	2 0	0 28	22 38	0 42	4 28	1 32	22 2	1 22	9 24	0 34	7 11	0 52
S 7	16 48	1 19	2 43	7 15	2 29	2 7	0 19	22 45	0 42	4 26	1 32	22 2	1 22	9 26	0 34	7 10	0 53
M 8	17 5	2s44	3 33	7 13	2 38	2 15	0 11	22 51	0 43	4 24	1 32	22 2	1 22	9 27	0 34	7 10	0 53
T 9	17 21	6 38	4 13	7 14	2 46	2 23	0 2	22 57	0 43	4 23	1 32	22 2	1 22	9 28	0 34	7 9	0 53
W10	17 37	10 13	4 41	7 16	2 54	2 31	0s 6	23 2	0 44	4 21	1 31	22 2	1 22	9 29	0 34	7 9	0 53
T 11	17 52	13 22	4 57	7 22	3 0	2 41	0 14	23 8	0 44	4 19	1 31	22 2	1 22	9 30	0 34	7 8	0 53
F 12	18 8	15 57	4 59	7 29	3 6	2 50	0 21	23 13	0 44	4 17	1 31	22 2	1 22	9 31	0 34	7 8	0 53
S 13	18 22	17 51	4 48	7 38	3 10	3 1	0 29	23 19	0 45	4 15	1 31	22 1	1 22	9 33	0 34	7 8	0 53
S 14	18 37	18 59	4 25	7 50	3 14	3 12	0 36	23 23	0 45	4 14	1 31	22 1	1 22	9 34	0 34	7 7	0 53
M15	18 51	19 18	3 50	8 3	3 17	3 23	0 43	23 28	0 46	4 12	1 30	22 1	1 22	9 35	0 34	7 7	0 53
T 16	19 5	18 44	3 5	8 19	3 19	3 35	0 49	23 33	0 46	4 11	1 30	22 1	1 22	9 36	0 34	7 6	0 53
W17	19 19	17 20	2 11	8 36	3 21	3 48	0 56	23 37	0 47	4 9	1 30	22 1	1 22	9 37	0 34	7 6	0 53
T 18	19 32	15 6	1 10	8 54	3 21	4 1	1 2	23 41	0 47	4 8	1 30	22 1	1 22	9 38	0 34	7 6	0 53
F 19	19 46	12 7	0 4	9 15	3 21	4 14	1 8	23 45	0 47	4 7	1 29	22 1	1 22	9 39	0 34	7 5	0 53
S 20	19 58	8 28	1s 4	9 37	3 20	4 28	1 14	23 49	0 48	4 6	1 29	22 1	1 22	9 40	0 34	7 5	0 53
S 21	20 11	4 18	2 10	10 0	3 19	4 42	1 20	23 52	0 48	4 4	1 29	22 1	1 22	9 41	0 34	7 5	0 53
M22	20 23	0n15	3 12	10 24	3 17	4 57	1 25	23 56	0 49	4 3	1 29	22 1	1 22	9 42	0 34	7 5	0 53
T 23	20 34	4 56	4 3	10 50	3 14	5 12	1 30	23 59	0 49	4 2	1 29	22 1	1 22	9 43	0 34	7 4	0 53
W24	20 46	9 28	4 40	11 17	3 10	5 27	1 35	24 1	0 49	4 1	1 28	22 0	1 22	9 45	0 34	7 4	0 53
T 25	20 56	13 30	4 59	11 45	3 6	5 43	1 40	24 4	0 50	4 0	1 28	22 0	1 22	9 46	0 34	7 4	0 53
F 26	21 7	16 41	4 57	12 14	3 2	5 58	1 45	24 7	0 50	4 0	1 28	22 0	1 22	9 47	0 34	7 4	0 53
S 27	21 17	18 42	4 33	12 44	2 56	6 15	1 49	24 9	0 50	3 59	1 28	22 0	1 22	9 48	0 34	7 3	0 53
S 28	21 27	19 22	3 51	13 15	2 50	6 31	1 53	24 11	0 51	3 58	1 27	22 0	1 22	9 49	0 34	7 3	0 53
M29	21 37	18 41	2 53	13 46	2 44	6 48	1 57	24 13	0 51	3 57	1 27	22 0	1 22	9 50	0 34	7 3	0 53
T 30	21 46	16 48	1 47	14 18	2 37	7 5	2 1	24 14	0 51	3 57	1 27	22 0	1 22	9 51	0 34	7 3	0 53
W31	21n54	13n59	0s36	14n51	2s30	7n22	2s 5	24n16	0n52	3s56	1n27	22s 0	1n22	9n52	0s34	7s 2	0s53

Julian Day Number = 2457874.5, Delta T = 68.73 sec

Ecliptic obliquity = 23°26'05", Nutation = - 0°00'10", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°58'57", Lahiri = 24°05'57"

# ASTRODIENST EPHEMERIS for the year 2017

## geocentric

JUNE 2017

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 38 40	10 <sup>II</sup> 42'21	4 <sup>III</sup> 17	19 <sup>III</sup> 48	24 <sup>IV</sup> 54	27 <sup>II</sup> 33	13 <sup>R</sup> 20	25 <sup>R</sup> 33	27 <sup>VI</sup> 0	14 <sup>II</sup> 12	19 <sup>R</sup> 0	27 <sup>R</sup> 35	28 <sup>II</sup> 14	11 <sup>II</sup> 59	28 <sup>II</sup> 28	T 1
F 2	16 42 37	11 <sup>°</sup> 39'51	17 <sup>°</sup> 18	21 <sup>°</sup> 25	25 <sup>°</sup> 51	28 <sup>°</sup> 13	13 <sup>II</sup> 18	25 <sup>II</sup> 29	27 <sup>°</sup> 3	14 <sup>°</sup> 12	18 <sup>II</sup> 59	27 <sup>II</sup> 35	28 <sup>°</sup> 11	12 <sup>°</sup> 6	28 <sup>°</sup> 29	F 2
S 3	16 46 33	12 <sup>°</sup> 37'19	29 <sup>°</sup> 58	23 <sup>°</sup> 5	26 <sup>°</sup> 48	28 <sup>°</sup> 53	13 <sup>°</sup> 17	25 <sup>°</sup> 25	27 <sup>°</sup> 5	14 <sup>°</sup> 13	18 <sup>°</sup> 58	27 <sup>°</sup> 34	28 <sup>°</sup> 7	12 <sup>°</sup> 13	28 <sup>°</sup> 31	S 3
S 4	16 50 30	13 <sup>°</sup> 34'47	12 <sup>II</sup> 22	24 <sup>°</sup> 47	27 <sup>°</sup> 46	29 <sup>°</sup> 33	13 <sup>°</sup> 16	25 <sup>°</sup> 20	27 <sup>°</sup> 8	14 <sup>°</sup> 13	18 <sup>°</sup> 57	27 <sup>°</sup> 31	28 <sup>°</sup> 4	12 <sup>°</sup> 19	28 <sup>°</sup> 32	S 4
M 5	16 54 27	14 <sup>°</sup> 32'13	24 <sup>°</sup> 35	26 <sup>°</sup> 32	28 <sup>°</sup> 43	0 <sup>II</sup> 13	13 <sup>°</sup> 15	25 <sup>°</sup> 16	27 <sup>°</sup> 10	14 <sup>°</sup> 14	18 <sup>°</sup> 56	27 <sup>°</sup> 25	28 <sup>°</sup> 1	12 <sup>°</sup> 26	28 <sup>°</sup> 34	M 5
T 6	16 58 23	15 <sup>°</sup> 29'38	6 <sup>III</sup> 38	28 <sup>°</sup> 19	29 <sup>°</sup> 42	0 <sup>°</sup> 53	13 <sup>°</sup> 14	25 <sup>°</sup> 12	27 <sup>°</sup> 13	14 <sup>°</sup> 14	18 <sup>°</sup> 55	27 <sup>°</sup> 17	27 <sup>°</sup> 58	12 <sup>°</sup> 33	28 <sup>°</sup> 35	T 6
W 7	17 2 20	16 <sup>°</sup> 27'03	18 <sup>°</sup> 36	0 <sup>II</sup> 8	0 <sup>II</sup> 41	1 <sup>°</sup> 33	13 <sup>°</sup> 14	25 <sup>°</sup> 7	27 <sup>°</sup> 15	14 <sup>°</sup> 14	18 <sup>°</sup> 53	27 <sup>°</sup> 6	27 <sup>°</sup> 55	12 <sup>°</sup> 39	28 <sup>°</sup> 36	W 7
T 8	17 6 16	17 <sup>°</sup> 24'26	0 <sup>II</sup> 30	2 <sup>°</sup> 0	1 <sup>°</sup> 40	2 <sup>°</sup> 12	13 <sup>°</sup> 13	25 <sup>°</sup> 3	27 <sup>°</sup> 18	14 <sup>°</sup> 15	18 <sup>°</sup> 52	26 <sup>°</sup> 54	27 <sup>°</sup> 52	12 <sup>°</sup> 46	28 <sup>°</sup> 38	T 8
F 9	17 10 13	18 <sup>°</sup> 21'48	12 <sup>°</sup> 23	3 <sup>°</sup> 54	2 <sup>°</sup> 39	2 <sup>°</sup> 52	13 <sup>°</sup> 13	24 <sup>°</sup> 59	27 <sup>°</sup> 20	14 <sup>°</sup> 15	18 <sup>°</sup> 51	26 <sup>°</sup> 41	27 <sup>°</sup> 48	12 <sup>°</sup> 53	28 <sup>°</sup> 39	F 9
S 10	17 14 9	19 <sup>°</sup> 19'09	24 <sup>°</sup> 15	5 <sup>°</sup> 51	3 <sup>°</sup> 39	3 <sup>°</sup> 32	13 <sup>°</sup> D13	24 <sup>°</sup> 54	27 <sup>°</sup> 23	14 <sup>°</sup> 15	18 <sup>°</sup> 50	26 <sup>°</sup> 29	27 <sup>°</sup> 45	13 <sup>°</sup> 0	28 <sup>°</sup> 40	S 10
S 11	17 18 6	20 <sup>°</sup> 16'30	6 <sup>II</sup> 9	7 <sup>°</sup> 49	4 <sup>°</sup> 39	4 <sup>°</sup> 12	13 <sup>°</sup> 13	24 <sup>°</sup> 50	27 <sup>°</sup> 25	14 <sup>°</sup> 15	18 <sup>°</sup> 48	26 <sup>°</sup> 19	27 <sup>°</sup> 42	13 <sup>°</sup> 6	28 <sup>°</sup> 41	S 11
M12	17 22 2	21 <sup>°</sup> 13'50	18 <sup>°</sup> 6	9 <sup>°</sup> 50	5 <sup>°</sup> 39	4 <sup>°</sup> 51	13 <sup>°</sup> 13	24 <sup>°</sup> 46	27 <sup>°</sup> 28	14 <sup>°</sup> 16	18 <sup>°</sup> 47	26 <sup>°</sup> 11	27 <sup>°</sup> 39	13 <sup>°</sup> 13	28 <sup>°</sup> 42	M12
T 13	17 25 59	22 <sup>°</sup> 11'09	0 <sup>II</sup> 8	11 <sup>°</sup> 53	6 <sup>°</sup> 40	5 <sup>°</sup> 31	13 <sup>°</sup> 14	24 <sup>°</sup> 41	27 <sup>°</sup> 30	14 <sup>°</sup> 16	18 <sup>°</sup> 46	26 <sup>°</sup> 5	27 <sup>°</sup> 36	13 <sup>°</sup> 20	28 <sup>°</sup> 43	T 13
W14	17 29 56	23 <sup>°</sup> 8'28	12 <sup>°</sup> 17	13 <sup>°</sup> 58	7 <sup>°</sup> 41	6 <sup>°</sup> 11	13 <sup>°</sup> 15	24 <sup>°</sup> 37	27 <sup>°</sup> 32	14 <sup>°</sup> 16	18 <sup>°</sup> 45	26 <sup>°</sup> 2	27 <sup>°</sup> 32	13 <sup>°</sup> 26	28 <sup>°</sup> 44	W14
T 15	17 33 52	24 <sup>°</sup> 5'47	24 <sup>°</sup> 38	16 <sup>°</sup> 4	8 <sup>°</sup> 43	6 <sup>°</sup> 50	13 <sup>°</sup> 16	24 <sup>°</sup> 32	27 <sup>°</sup> 34	14 <sup>°</sup> 16	18 <sup>°</sup> 43	26 <sup>°</sup> D 1	27 <sup>°</sup> 29	13 <sup>°</sup> 33	28 <sup>°</sup> 45	T 15
F 16	17 37 49	25 <sup>°</sup> 3'04	7 <sup>II</sup> 14	18 <sup>°</sup> 12	9 <sup>°</sup> 44	7 <sup>°</sup> 30	13 <sup>°</sup> 17	24 <sup>°</sup> 28	27 <sup>°</sup> 37	14 <sup>°</sup> R16	18 <sup>°</sup> 42	26 <sup>°</sup> 2	27 <sup>°</sup> 26	13 <sup>°</sup> 40	28 <sup>°</sup> 46	F 16
S 17	17 41 45	26 <sup>°</sup> 0'22	20 <sup>°</sup> 8	20 <sup>°</sup> 21	10 <sup>°</sup> 46	8 <sup>°</sup> 9	13 <sup>°</sup> 18	24 <sup>°</sup> 23	27 <sup>°</sup> 39	14 <sup>°</sup> 16	18 <sup>°</sup> 41	26 <sup>°</sup> R 2	27 <sup>°</sup> 23	13 <sup>°</sup> 47	28 <sup>°</sup> 46	S 17
S 18	17 45 42	26 <sup>°</sup> 57'39	3 <sup>VI</sup> 24	22 <sup>°</sup> 31	11 <sup>°</sup> 48	8 <sup>°</sup> 49	13 <sup>°</sup> 19	24 <sup>°</sup> 19	27 <sup>°</sup> 41	14 <sup>°</sup> 16	18 <sup>°</sup> 39	26 <sup>°</sup> 2	27 <sup>°</sup> 20	13 <sup>°</sup> 53	28 <sup>°</sup> 47	S 18
M19	17 49 38	27 <sup>°</sup> 54'56	17 <sup>°</sup> 7	24 <sup>°</sup> 42	12 <sup>°</sup> 51	9 <sup>°</sup> 28	13 <sup>°</sup> 21	24 <sup>°</sup> 15	27 <sup>°</sup> 43	14 <sup>°</sup> 16	18 <sup>°</sup> 38	26 <sup>°</sup> 1	27 <sup>°</sup> 17	14 <sup>°</sup> 0	28 <sup>°</sup> 48	M19
T 20	17 53 35	28 <sup>°</sup> 52'13	1 <sup>II</sup> 16	26 <sup>°</sup> 54	13 <sup>°</sup> 54	10 <sup>°</sup> 8	13 <sup>°</sup> 23	24 <sup>°</sup> 10	27 <sup>°</sup> 45	14 <sup>°</sup> 16	18 <sup>°</sup> 37	25 <sup>°</sup> 57	27 <sup>°</sup> 13	14 <sup>°</sup> 7	28 <sup>°</sup> 49	T 20
W21	17 57 31	29 <sup>°</sup> 49'30	15 <sup>°</sup> 51	29 <sup>°</sup> 5	14 <sup>°</sup> 57	10 <sup>°</sup> 47	13 <sup>°</sup> 25	24 <sup>°</sup> 6	27 <sup>°</sup> 47	14 <sup>°</sup> 16	18 <sup>°</sup> 35	25 <sup>°</sup> 51	27 <sup>°</sup> 10	14 <sup>°</sup> 14	28 <sup>°</sup> 49	W21
T 22	18 1 28	0 <sup>II</sup> 46'46	0 <sup>II</sup> 48	1 <sup>II</sup> 17	16 <sup>°</sup> 0	11 <sup>°</sup> 27	13 <sup>°</sup> 27	24 <sup>°</sup> 1	27 <sup>°</sup> 49	14 <sup>°</sup> 15	18 <sup>°</sup> 34	25 <sup>°</sup> 44	27 <sup>°</sup> 7	14 <sup>°</sup> 20	28 <sup>°</sup> 50	T 22
F 23	18 5 25	1 <sup>°</sup> 44'02	15 <sup>°</sup> 58	3 <sup>°</sup> 28	17 <sup>°</sup> 3	12 <sup>°</sup> 6	13 <sup>°</sup> 29	23 <sup>°</sup> 57	27 <sup>°</sup> 51	14 <sup>°</sup> 15	18 <sup>°</sup> 33	25 <sup>°</sup> 36	27 <sup>°</sup> 4	14 <sup>°</sup> 27	28 <sup>°</sup> 50	F 23
S 24	18 9 21	2 <sup>°</sup> 41'18	1 <sup>II</sup> 12	5 <sup>°</sup> 39	18 <sup>°</sup> 7	12 <sup>°</sup> 45	13 <sup>°</sup> 31	23 <sup>°</sup> 53	27 <sup>°</sup> 53	14 <sup>°</sup> 15	18 <sup>°</sup> 31	25 <sup>°</sup> 28	27 <sup>°</sup> 1	14 <sup>°</sup> 34	28 <sup>°</sup> 50	S 24
S 25	18 13 18	3 <sup>°</sup> 38'34	16 <sup>°</sup> 19	7 <sup>°</sup> 49	19 <sup>°</sup> 11	13 <sup>°</sup> 25	13 <sup>°</sup> 34	23 <sup>°</sup> 48	27 <sup>°</sup> 55	14 <sup>°</sup> 15	18 <sup>°</sup> 30	25 <sup>°</sup> 22	26 <sup>°</sup> 58	14 <sup>°</sup> 40	28 <sup>°</sup> 51	S 25
M26	18 17 14	4 <sup>°</sup> 35'49	1 <sup>II</sup> 9	9 <sup>°</sup> 58	20 <sup>°</sup> 15	14 <sup>°</sup> 4	13 <sup>°</sup> 37	23 <sup>°</sup> 44	27 <sup>°</sup> 56	14 <sup>°</sup> 14	18 <sup>°</sup> 28	25 <sup>°</sup> 18	26 <sup>°</sup> 54	14 <sup>°</sup> 47	28 <sup>°</sup> 51	M26
T 27	18 21 11	5 <sup>°</sup> 33'04	15 <sup>°</sup> 37	12 <sup>°</sup> 6	21 <sup>°</sup> 19	14 <sup>°</sup> 43	13 <sup>°</sup> 40	23 <sup>°</sup> 40	27 <sup>°</sup> 58	14 <sup>°</sup> 14	18 <sup>°</sup> 27	25 <sup>°</sup> 15	26 <sup>°</sup> 51	14 <sup>°</sup> 54	28 <sup>°</sup> 51	T 27
W28	18 25 7	6 <sup>°</sup> 30'18	29 <sup>°</sup> 36	14 <sup>°</sup> 12	22 <sup>°</sup> 23	15 <sup>°</sup> 23	13 <sup>°</sup> 43	23 <sup>°</sup> 35	28 <sup>°</sup> 0	14 <sup>°</sup> 14	18 <sup>°</sup> 25	25 <sup>°</sup> D15	26 <sup>°</sup> 48	15 <sup>°</sup> 1	28 <sup>°</sup> 52	W28
T 29	18 29 4	7 <sup>°</sup> 27'32	13 <sup>II</sup> 8	16 <sup>°</sup> 16	23 <sup>°</sup> 28	16 <sup>°</sup> 2	13 <sup>°</sup> 46	23 <sup>°</sup> 31	28 <sup>°</sup> 2	14 <sup>°</sup> 13	18 <sup>°</sup> 24	25 <sup>°</sup> 16	26 <sup>°</sup> 45	15 <sup>°</sup> 7	28 <sup>°</sup> 52	T 29
F 30	18 33 1	8 <sup>°</sup> 24'45	26 <sup>II</sup> 14	18 <sup>°</sup> 20	24 <sup>°</sup> 33	16 <sup>°</sup> 41	13 <sup>°</sup> 50	23 <sup>°</sup> 27	28 <sup>°</sup> VI 3	14 <sup>°</sup> II 13	18 <sup>°</sup> 23	25 <sup>°</sup> II 17	26 <sup>°</sup> II 42	15 <sup>°</sup> II 14	28 <sup>°</sup> II 52	F 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
T 1	22n 3	10n29	0n35	15n24	2s22	7n39	2s 8	24n17	0n52	3s56	1n26	22s 0	1n22	9n53	0s34	7s 2	0s53	21s16	0n49	12n18	12n 5	17s16	2n55	3n50	
F 2	22 11	6 35	1 42	15 58	2 14	7 57	2 11	24 18	0 53	3 56	1 26	22 0	1 22	9 53	0 34	7 2	0 53	21 17	0 49	12 18	12 6	17 17	2 55	3 50	
S 3	22 18	2 30	2 43	16 32	2 5	8 14	2 14	24 19	0 53	3 55	1 26	21 59	1 22	9 54	0 34	7 2	0 54	21 17	0 49	12 19	12 7	17 18	2 56	3 50	
S 4	22 26	1s37	3 34	17 5	1 56	8 32	2 17	24 19	0 53	3 55	1 26	21 59	1 22	9 55	0 34	7 2	0 54	21 17	0 49	12 20	12 9	17 19	2 57	3 51	
M 5	22 32	5 35	4 14	17 39	1 46	8 50	2 20	24 20	0 54	3 55	1 25	21 59	1 22	9 56	0 34	7 2	0 54	21 17	0 49	12 22	12 10	17 20	2 57	3 51	
T 6	22 39	9 17	4 42	18 13	1 36	9 8	2 23	24 20	0 54	3 55	1 25	21 59	1 22	9 57	0 34	7 2	0 54	21 17	0 49	12 25	12 11	17 21	2 58	3 51	
W 7	22 45	12 34	4 58	18 46	1 26	9 26	2 25	24 20	0 54	3 55	1 25	21 59	1 22	9 58	0 34	7 2	0 54	21 18	0 49	12 29	12 12	17 22	2 59	3 51	
T 8	22 50	15 21	5 1	19 19	1 16	9 45	2 27	24 19	0 55	3 55	1 24	21 59	1 22	9 59	0 34	7 2	0 54	21 18	0 49	12 33	12 13	17 23	2 59	3 51	
F 9	22 56	17 28	4 50	19 52	1 5	10 3	2 29	24 19	0 55	3 55	1 24	21 59	1 22	10 0	0 34	7 1	0 54	21 18	0 49	12 37	12 14	17 25	3 0	3 51	
S 10	23 0	18 51	4 27	20 23	0 54	10 21	2 31	24 18	0 55	3 56	1 24	21 59	1 22	10 1	0 34	7 1	0 54	21 18	0 49	12 41	12 15	17 26	3 1	3 51	
S 11	23 5	19 25	3 53	20 54	0 43	10 40	2 33	24 18	0 55	3 56	1 24	21 59	1 21	10 1	0 34	7 1	0 54	21 19	0 49	12 45	12 16	17 27	3 1	3 52	
M12	23 9	19 7	3 7	21 24	0 32	10 58	2 35	24 16	0 56	3 56	1 23	21 58	1 21	10 2	0 34	7 1	0 54	21 19	0 49	12 47	12 17	17 28	3 2	3 52	
T 13	23 12	17 57	2 13	21 52	0 21	11 17	2 36	24 15	0 56	3 57	1 23	21 58	1 21	10 3	0 34	7 1	0 54	21 19	0 48	12 49	12 18	17 29	3 2	3 52	
W14	23 15	15 57	1 13	22 19	0 10	11 35	2 38	24 14	0 56	3 57	1 23	21 58	1 21	10 4	0 34	7 1	0 54	21 20	0 48	12 50	12 19	17 30	3 3	3 52	
T 15	23 18	13 11	0 7	22 44	0n 1	11 54	2 39	24 12	0 57	3 58	1 23	21 58	1 21	10 5	0 34	7 1	0 54	21 20	0 48	12 51	12 21	17 31	3 3	3 52	
F 16	23 21	9 47	1s 0	23 7	0 12	12 12	2 40	24 10	0 57	3 59	1 22	21 58	1 21	10 5	0 34	7 1	0 54	21 20	0 48	12 50	12 22	17 32	3 4	3 52	
S 17	23 22	5 50	2 5	23 27	0 22	12 30	2 41	24 8	0 57	3 59	1 22	21 58	1 21	10 6	0 34	7 1	0 54	21 20	0 48	12 50	12 23	17 33	3 4	3 53	
S 18	23 24	1 30	3 6	23 46	0 33	12 49	2 42	24 6	0 58	4 0	1 22	21 58	1 21	10 7	0 34	7 1	0 54	21 21	0 48	12 50	12 24	17 34	3 5	3 53	
M19	23 25	3n 3	3 58	24 2	0 42	13 7	2 42	24 3	0 58	4 1	1 22	21 58	1 21	10 8	0 34	7 2	0 54	21 21	0 48	12 51	12 25	17 35	3 5	3 53	
T 20	23 26	7 34	4 38	24 16	0 52	13 25	2 43	24 1	0 58	4 2	1 21	21 58	1 21	10 8	0 34	7 2	0 54	21 21	0 48	12 52	12 26	17 36	3 5	3 53	
W21	23 26	11 46	5 1	24 26	1 1	13 43	2 43	23 58	0 58	4 3	1 21	21 58	1 21	10 9	0 34	7 2	0 54	21 21	0 48	12 54	12 27	17 37	3 6	3 53	
T 22	23 26	15 21	5 4	24 34	1 9	14 1	2 43	23 55	0 59	4 4	1 21	21 57	1 21	10 10	0 34	7 2	0 54	21 22	0 48	12 56	12 28	17 38	3 6	3 53	
F 23	23 25	17 56	4 47	24 40	1 16	14 19	2 44	23 52	0 59	4 5	1 20	21 57	1 21	10 11	0 34	7 2	0 54	21 22	0 48	12 59	12 29	17 39	3 6	3 53	
S 24	23 24	19 17	4 9	24 42	1 23	14 36	2 43	23 48	0 59	4 6	1 20	21 57	1 20	10 11	0 34	7 2	0 54	21 22	0 47	13 2	12 30	17 40	3 7	3 54	
S 25	23 23	19 14	3 14	24 42	1 30	14 54	2 43	23 45	0 59	4 7	1 20	21 57	1 20	10 12	0 34	7 2	0 54	21 23	0 47	13 4	12 31	17 41	3 7	3 54	
M26	23 21	17 51	2 6	24 39	1 35	15 11	2 43	23 41	1 0	4 9	1 20	21 57	1 20	10 12	0 34	7 2	0 54	21 23	0 47	13 5	12 33	17 42	3 7	3 54	
T 27	23 19	15 20	0 52	24 33	1 40	15 28	2 43	23 37	1 0	4 10	1 19	21 57	1 20	10 13	0 34	7 2	0 54	21 23	0 47	13 6	12 34	17 43	3 7	3 54	
W28	23 16	11 58	0n23	24 24	1 44	15 45	2 42	23 33	1 0	4 12	1 19	21 57	1 20	10 14	0 34	7 3	0 55	21 23	0 47	13 6	12 35	17 44	3 8	3 54	
T 29	23 13	8 5	1 35	24 13	1 47	16 2	2 42	23 28	1 0	4 13	1 19	21 57	1 20	10 14	0 34	7 3	0 55	21 24	0 47	13 6	12 36	17 45	3 8	3 54	
F 30	23n10	3n56	2n39	24n 0	1n50	16n18	2s41	23n24	1n 1	4s15	1n19	21s57	1n20	10n15	0s34	7s 3	0s55	21s24	0n47	13n 5	12n37	17s46	3n 8	3n55	

# ASTRODIENST EPHEMERIS for the year 2017

## geocentric

JULY 2017

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 36 57	9 <sup>52</sup> 21'58	8 <sup>52</sup> 57	20 <sup>52</sup> 21	25 <sup>8</sup> 38	17 <sup>52</sup> 20	13 <sup>52</sup> 53	23°R23	28 <sup>7</sup> 5	14°R12	18°R21	25°R18	26 <sup>52</sup> 38	15 <sup>52</sup> 21	28°R52	S 1
S 2	18 40 54	10°19'10	21°22	22°20	26°43	17°59	13°57	23 <sup>52</sup> 19	28° 6	14 <sup>52</sup> 12	18 <sup>52</sup> 20	25 <sup>52</sup> 17	26°35	15°27	28 <sup>52</sup> 52	S 2
M 3	18 44 50	11°16'22	3 <sup>52</sup> 32	24°18	27°48	18°38	14° 1	23°15	28° 8	14°12	18°18	25°15	26°32	15°34	28°52	M 3
T 4	18 48 47	12°13'34	15°33	26°13	28°54	19°18	14° 5	23°10	28° 9	14°11	18°17	25°10	26°29	15°41	28°52	T 4
W 5	18 52 43	13°10'45	27°28	28° 7	29°59	19°57	14°10	23° 6	28°11	14°10	18°15	25° 5	26°26	15°48	28°52	W 5
T 6	18 56 40	14° 7'57	9 <sup>52</sup> 20	29°58	1 <sup>52</sup> 5	20°36	14°14	23° 2	28°12	14°10	18°14	24°58	26°23	15°54	28°51	T 6
F 7	19 0 36	15° 5'08	21°12	1 <sup>52</sup> 48	2°11	21°15	14°19	22°59	28°14	14° 9	18°12	24°50	26°19	16° 1	28°51	F 7
S 8	19 4 33	16° 2'19	3 <sup>52</sup> 7	3°36	3°18	21°54	14°23	22°55	28°15	14° 9	18°11	24°43	26°16	16° 8	28°51	S 8
S 9	19 8 30	16°59'31	15° 6	5°21	4°24	22°33	14°28	22°51	28°16	14° 8	18° 9	24°37	26°13	16°14	28°50	S 9
M10	19 12 26	17°56'42	27°10	7° 5	5°30	23°12	14°33	22°47	28°17	14° 7	18° 8	24°33	26°10	16°21	28°50	M10
T 11	19 16 23	18°53'54	9 <sup>52</sup> 23	8°46	6°37	23°51	14°38	22°43	28°18	14° 6	18° 6	24°30	26° 7	16°28	28°49	T 11
W12	19 20 19	19°51'05	21°44	10°26	7°44	24°29	14°44	22°40	28°19	14° 6	18° 5	24°D29	26° 4	16°35	28°49	W12
T 13	19 24 16	20°48'18	4 <sup>52</sup> 17	12° 3	8°51	25° 8	14°49	22°36	28°21	14° 5	18° 3	24°29	26° 0	16°41	28°48	T 13
F 14	19 28 12	21°45'30	17° 3	13°39	9°58	25°47	14°55	22°32	28°22	14° 4	18° 2	24°30	25°57	16°48	28°48	F 14
S 15	19 32 9	22°42'43	0 <sup>52</sup> 4	15°12	11° 5	26°26	15° 1	22°29	28°23	14° 3	18° 1	24°32	25°54	16°55	28°47	S 15
S 16	19 36 5	23°39'57	13°24	16°44	12°12	27° 5	15° 7	22°25	28°23	14° 2	17°59	24°33	25°51	17° 1	28°46	S 16
M17	19 40 2	24°37'11	27° 4	18°13	13°20	27°44	15°13	22°22	28°24	14° 1	17°58	24°R34	25°48	17° 8	28°45	M17
T 18	19 43 59	25°34'26	11 <sup>52</sup> 5	19°41	14°27	28°23	15°19	22°19	28°25	14° 0	17°56	24°33	25°44	17°15	28°45	T 18
W19	19 47 55	26°31'42	25°26	21° 6	15°35	29° 1	15°25	22°15	28°26	13°59	17°55	24°31	25°41	17°22	28°44	W19
T 20	19 51 52	27°28'59	10 <sup>52</sup> 5	22°29	16°43	29°40	15°32	22°12	28°27	13°58	17°53	24°28	25°38	17°28	28°43	T 20
F 21	19 55 48	28°26'16	24°56	23°50	17°51	0 <sup>52</sup> 19	15°38	22° 9	28°27	13°57	17°52	24°24	25°35	17°35	28°42	F 21
S 22	19 59 45	29°23'34	9 <sup>52</sup> 52	25° 9	18°59	0°58	15°45	22° 6	28°28	13°56	17°50	24°21	25°32	17°42	28°41	S 22
S 23	20 3 41	0 <sup>52</sup> 20'53	24°44	26°25	20° 7	1°36	15°52	22° 3	28°28	13°55	17°49	24°18	25°29	17°48	28°40	S 23
M24	20 7 38	1°18'12	9 <sup>52</sup> 25	27°40	21°16	2°15	15°59	22° 0	28°29	13°54	17°47	24°16	25°25	17°55	28°39	M24
T 25	20 11 34	2°15'32	23°48	28°51	22°24	2°54	16° 6	21°57	28°29	13°53	17°46	24°D16	25°22	18° 2	28°37	T 25
W26	20 15 31	3°12'52	7 <sup>52</sup> 48	0 <sup>52</sup> 1	23°33	3°32	16°14	21°54	28°30	13°52	17°45	24°16	25°19	18° 9	28°36	W26
T 27	20 19 28	4°10'13	21°23	1° 8	24°41	4°11	16°21	21°52	28°30	13°51	17°43	24°17	25°16	18°15	28°35	T 27
F 28	20 23 24	5° 7'34	4 <sup>52</sup> 33	2°12	25°50	4°50	16°29	21°49	28°31	13°50	17°42	24°19	25°13	18°22	28°34	F 28
S 29	20 27 21	6° 4'56	17°21	3°14	26°59	5°28	16°36	21°46	28°31	13°48	17°40	24°20	25°10	18°29	28°32	S 29
S 30	20 31 17	7° 2'18	29°48	4°13	28° 8	6° 7	16°44	21°44	28°31	13°47	17°39	24°21	25° 6	18°35	28°31	S 30
M31	20 35 14	7 <sup>52</sup> 59'41	12 <sup>52</sup> 0	5 <sup>52</sup> 9	29 <sup>52</sup> 17	6 <sup>52</sup> 45	16°52	21°42	28°31	13°46	17°38	24°R21	25° 3	18°42	28°29	M31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
S 1	23n 6	0s16	3n34	23n44	1n52	16n34	2s40	23n19	1n 1	4s16	1n18	21s57	1n20	10n15	0s34	7s 3	0s55	21s24	0n47	13n 5	12n38	17s47	3n 8	3n55										
S 2	23 2	4 22	4 17	23 26	1 53	16 50	2 39	23 14	1 1	4 18	1 18	21 56	1 20	10 16	0 34	7 3	0 55	21 25	0 47	13 5	12 39	17 48	3 8	3 55										
M 3	22 57	8 11	4 47	23 7	1 53	17 6	2 38	23 9	1 1	4 20	1 18	21 56	1 19	10 16	0 34	7 4	0 55	21 25	0 47	13 6	12 40	17 49	3 8	3 55										
T 4	22 52	11 38	5 5	22 45	1 53	17 21	2 37	23 4	1 2	4 22	1 18	21 56	1 19	10 17	0 34	7 4	0 55	21 25	0 47	13 8	12 41	17 50	3 9	3 55										
W 5	22 47	14 35	5 9	22 22	1 52	17 36	2 36	22 58	1 2	4 24	1 17	21 56	1 19	10 17	0 34	7 4	0 55	21 25	0 46	13 10	12 42	17 51	3 9	3 55										
T 6	22 41	16 55	4 59	21 57	1 50	17 51	2 35	22 53	1 2	4 26	1 17	21 56	1 19	10 18	0 34	7 4	0 55	21 26	0 46	13 12	12 43	17 52	3 9	3 55										
F 7	22 35	18 32	4 37	21 31	1 48	18 5	2 33	22 47	1 2	4 28	1 17	21 56	1 19	10 18	0 34	7 5	0 55	21 26	0 46	13 14	12 44	17 53	3 9	3 56										
S 8	22 28	19 21	4 3	21 3	1 45	18 20	2 32	22 41	1 3	4 30	1 17	21 56	1 19	10 19	0 34	7 5	0 55	21 26	0 46	13 17	12 45	17 54	3 9	3 56										
S 9	22 21	19 18	3 18	20 34	1 42	18 33	2 30	22 35	1 3	4 32	1 16	21 56	1 19	10 19	0 34	7 5	0 55	21 27	0 46	13 19	12 47	17 55	3 9	3 56										
M10	22 14	18 23	2 23	20 4	1 38	18 47	2 29	22 29	1 3	4 34	1 16	21 56	1 19	10 20	0 35	7 6	0 55	21 27	0 46	13 20	12 48	17 56	3 9	3 56										
T 11	22 6	16 36	1 21	19 34	1 33	19 0	2 27	22 22	1 3	4 36	1 16	21 56	1 18	10 20	0 35	7 6	0 55	21 27	0 46	13 21	12 49	17 57	3 9	3 56										
W12	21 58	14 1	0 15	19 2	1 28	19 13	2 25	22 15	1 3	4 38	1 16	21 56	1 18	10 20	0 35	7 6	0 55	21 27	0 46	13 22	12 50	17 58	3 9	3 56										
T 13	21 49	10 46	0s53	18 30	1 22	19 25	2 23	22 9	1 4	4 41	1 15	21 56	1 18	10 21	0 35	7 7	0 55	21 28	0 46	13 21	12 51	17 59	3 8	3 56										
F 14	21 41	6 58	2 0	17 56	1 16	19 37	2 21	22 2	1 4	4 43	1 15	21 56	1 18	10 21	0 35	7 7	0 55	21 28	0 46	13 21	12 52	18 0	3 8	3 57										
S 15	21 31	2 46	3 2	17 23	1 10	19 48	2 19	21 55	1 4	4 46	1 15	21 56	1 18	10 21	0 35	7 7	0 55	21 28	0 45	13 21	12 53	18 1	3 8	3 57										
S 16	21 22	1n40	3 56	16 49	1 2	19 59	2 17	21 47	1 4	4 48	1 15	21 55	1 18	10 22	0 35	7 8	0 55	21 29	0 45	13 20	12 54	18 1	3 8	3 57										
M17	21 12	6 6	4 38	16 14	0 55	20 10	2 15	21 40	1 4	4 51	1 14	21 55	1 18	10 22	0 35	7 8	0 55	21 29	0 45	13 20	12 55	18 2	3 8	3 57										
T 18	21 1	10 19	5 5	15 39	0 47	20 20	2 12	21 32	1 5	4 53	1 14	21 55	1 17	10 22	0 35	7 8	0 55	21 29	0 45	13 20	12 56	18 3	3 8	3 57										
W19	20 51	14 3	5 13	15 4	0 39	20 30	2 10	21 24	1 5	4 56	1 14	21 55	1 17	10 22	0 35	7 9	0 55	21 30	0 45	13 21	12 57	18 4	3 7	3 57										
T 20	20 40	16 59	5 2	14 29	0 30	20 39	2 8	21 16	1 5	4 59	1 14	21 55	1 17	10 23	0 35	7 9	0 55	21 30	0 45	13 22	12 58	18 5	3 7	3 57										
F 21	20 28	18 50	4 30	13 54	0 21	20 48	2 5	21 8	1 5	5 1	1 14	21 55	1 17	10 23	0 35	7 10	0 55	21 30	0 45	13 23	12 59	18 6	3 7	3 58										
S 22	20 16	19 25	3 40	13 19	0 11	20 57	2 3	21 0	1 5	5 4	1 13	21 55	1 17	10 23	0 35	7 10	0 55	21 30	0 45	13 24	13 1	18 7	3 7	3 58										
S 23	20 4	18 38	2 35	12 44	0 2	21 4	2 0	20 52	1 5	5 7	1 13	21 55	1 17	10 23	0 35	7 11	0 55	21 31	0 45	13 25	13 2	18 8	3 6	3 58										
M24	19 52	16 36	1 21	12 9	0s 8	21 12	1 57	20 43	1 6	5 10	1 13	21 55	1 16	10 23	0 35	7 11	0 55	21 31	0 45	13 26	13 3	18 9	3 6	3 58										
T 25	19 39	13 33	0 3	11 35	0 19	21 19	1 55	20 34	1 6	5 13	1 13	21 55	1 16	10 24	0 35	7 11	0 55	21 31	0 44	13 26	13 4	18 10	3 6	3 58										
W26	19 26	9 47	1n14	11 0	0 29	21 25	1 52	20 26	1 6	5 16	1 12	21 55	1 16	10 24	0 35	7 12	0 56	21 32	0 44	13 26	13 5	18 11	3 5	3 58										
T 27	19 13	5 37	2 24	10 27	0 40	21 31	1 49	20 17	1 6	5 19	1 12	21 55	1 16	10 24	0 35	7 12	0 56	21 32	0 44	13 25	13 6	18 12	3 5	3 58										
F 28	18 59	1 19	3 24	9 53	0 51	21 36	1 46	20 8	1 6	5 22	1 12	21 55	1 16	10 24	0 35	7 13	0 56	21 32	0 44	13 25	13 7	18 13	3 4	3 58										
S 29	18 45	2s55	4 12	9 21	1 3	21 41	1 43	19 58	1 6	5 25	1 12	21 55	1 16	10 24	0 35	7 13	0 56	21 32	0 44	13 24	13 8	18 14	3 4	3 58										
S 30	18 31	6 55	4 47	8 49	1 14	21 45	1 40	19 49	1 7	5 28	1 12	21 55	1 15	10 24	0 35	7 14	0 56	21 33	0 44	13 24	13 9	18 14	3 3	3 59										
M31	18n16	10s32	5n 9	8n17	1s26	21n49	1s37	19n39	1n 7	5s32	1n11	21s55	1n15	10n24	0s35	7s14	0s56	21s33	0n44	13n24	13n10	18s15	3n 3	3n59										



# ASTRODIENST EPHEMERIS for the year 2017

## geocentric

AUGUST 2017

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 39 10	8♂57°04	24♂ 2	6♂ 2	0♂26	7♂24	17♂ 0	21°R39	28°Y31	13°R45	17°R36	24°R20	25♂ 0	18♂49	28°R28	T 1
W 2	20 43 7	9°54'28	5♂56	6°51	1°36	8° 2	17° 8	21♂37	28°32	13♂43	17♂35	24♂19	24°57	18°56	28♂26	W 2
T 3	20 47 3	10°51'52	17°48	7°38	2°45	8°41	17°16	21°35	28°R32	13°42	17°34	24°17	24°54	19° 2	28°25	T 3
F 4	20 51 0	11°49'18	29°42	8°21	3°54	9°19	17°25	21°33	28°32	13°41	17°32	24°16	24°50	19° 9	28°23	F 4
S 5	20 54 57	12°46'44	11♂40	9° 0	5° 4	9°58	17°33	21°31	28°31	13°39	17°31	24°14	24°47	19°16	28°21	S 5
S 6	20 58 53	13°44'11	23°46	9°35	6°14	10°36	17°42	21°29	28°31	13°38	17°30	24°12	24°44	19°22	28°20	S 6
M 7	21 2 50	14°41'38	6♂ 1	10° 7	7°23	11°15	17°51	21°27	28°31	13°37	17°28	24°11	24°41	19°29	28°18	M 7
T 8	21 6 46	15°39'07	18°27	10°34	8°33	11°53	17°59	21°26	28°31	13°35	17°27	24°D11	24°38	19°36	28°16	T 8
W 9	21 10 43	16°36'37	1♂ 6	10°56	9°43	12°32	18° 8	21°24	28°31	13°34	17°26	24°11	24°35	19°43	28°14	W 9
T 10	21 14 39	17°34'08	13°58	11°14	10°53	13°10	18°17	21°22	28°30	13°32	17°25	24°11	24°31	19°49	28°12	T 10
F 11	21 18 36	18°31'40	27° 3	11°27	12° 4	13°48	18°26	21°21	28°30	13°31	17°24	24°12	24°28	19°56	28°10	F 11
S 12	21 22 32	19°29'13	10♂22	11°36	13°14	14°27	18°36	21°20	28°30	13°30	17°22	24°12	24°25	20° 3	28° 8	S 12
S 13	21 26 29	20°26'48	23°54	11°R38	14°24	15° 5	18°45	21°18	28°29	13°28	17°21	24°13	24°22	20° 9	28° 6	S 13
M14	21 30 25	21°24'24	7♂41	11°36	15°35	15°44	18°54	21°17	28°29	13°27	17°20	24°13	24°19	20°16	28° 4	M14
T 15	21 34 22	22°22'02	21°41	11°28	16°45	16°22	19° 4	21°16	28°28	13°25	17°19	24°R13	24°15	20°23	28° 2	T 15
W16	21 38 19	23°19'41	5♂53	11°14	17°56	17° 0	19°14	21°15	28°28	13°24	17°18	24°13	24°12	20°29	28° 0	W16
T 17	21 42 15	24°17'22	20°14	10°55	19° 6	17°39	19°23	21°14	28°27	13°22	17°17	24°D13	24° 9	20°36	27°58	T 17
F 18	21 46 12	25°15'05	4♂42	10°31	20°17	18°17	19°33	21°14	28°26	13°21	17°15	24°13	24° 6	20°43	27°56	F 18
S 19	21 50 8	26°12'49	19°12	10° 1	21°28	18°55	19°43	21°13	28°26	13°19	17°14	24°13	24° 3	20°50	27°54	S 19
S 20	21 54 5	27°10'35	3♂40	9°25	22°39	19°34	19°53	21°12	28°25	13°17	17°13	24°13	24° 0	20°56	27°51	S 20
M21	21 58 1	28° 8'22	17°59	8°45	23°50	20°12	20° 3	21°12	28°24	13°16	17°12	24°R14	23°56	21° 3	27°49	M21
T 22	22 1 58	29° 6'11	2♂ 5	8° 1	25° 1	20°50	20°13	21°12	28°23	13°14	17°11	24°14	23°53	21°10	27°47	T 22
W23	22 5 55	0♂ 4'00	15°55	7°13	26°13	21°28	20°24	21°11	28°22	13°13	17°10	24°13	23°50	21°16	27°45	W23
T 24	22 9 51	1° 1'52	29°24	6°22	27°24	22° 7	20°34	21°11	28°21	13°11	17° 9	24°13	23°47	21°23	27°42	T 24
F 25	22 13 48	1°59'44	12♂33	5°29	28°35	22°45	20°45	21°11	28°20	13° 9	17° 8	24°12	23°44	21°30	27°40	F 25
S 26	22 17 44	2°57'38	25°21	4°34	29°47	23°23	20°55	21°D11	28°19	13° 8	17° 7	24°11	23°41	21°37	27°37	S 26
S 27	22 21 41	3°55'33	7♂50	3°40	0♂58	24° 1	21° 6	21°11	28°18	13° 6	17° 7	24°10	23°37	21°43	27°35	S 27
M28	22 25 37	4°53'30	20° 4	2°47	2°10	24°39	21°16	21°11	28°17	13° 5	17° 6	24° 9	23°34	21°50	27°33	M28
T 29	22 29 34	5°51'28	2♂ 6	1°56	3°21	25°18	21°27	21°12	28°16	13° 3	17° 5	24°D 8	23°31	21°57	27°30	T 29
W30	22 33 30	6°49'27	14° 1	1° 8	4°33	25°56	21°38	21°12	28°14	13° 1	17° 4	24° 9	23°28	22° 3	27°28	W30
T 31	22 37 27	7♂47'27	25♂53	0♂25	5♂45	26♂34	21♂49	21♂12	28°Y13	13♂ 0	17♂ 3	24♂ 9	23♂25	22♂10	27♂25	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	18n 1	13s40	5n16	7n47	1s38	21n52	1s34	19n30	1n 7	5s35	1n11	21s55	1n15	10n24	0s35	7s15
W 2	17 46	16 13	5 9	7 18	1 50	21 54	1 31	19 20	1 7	5 38	1 11	21 55	1 15	10 24	0 35	7 15
T 3	17 30	18 4	4 50	6 49	2 2	21 56	1 28	19 10	1 7	5 41	1 11	21 55	1 15	10 24	0 35	7 16
F 4	17 14	19 8	4 18	6 22	2 14	21 57	1 25	19 0	1 7	5 45	1 11	21 55	1 15	10 24	0 35	7 16
S 5	16 58	19 22	3 34	5 57	2 26	21 58	1 22	18 50	1 7	5 48	1 10	21 56	1 14	10 24	0 35	7 17
S 6	16 42	18 42	2 41	5 32	2 38	21 58	1 19	18 39	1 7	5 52	1 10	21 56	1 14	10 24	0 35	7 18
M 7	16 25	17 10	1 39	5 9	2 50	21 58	1 16	18 29	1 8	5 55	1 10	21 56	1 14	10 24	0 35	7 18
T 8	16 8	14 47	0 32	4 48	3 1	21 57	1 13	18 18	1 8	5 59	1 10	21 56	1 14	10 24	0 35	7 19
W 9	15 51	11 41	0s38	4 29	3 13	21 55	1 9	18 8	1 8	6 2	1 10	21 56	1 14	10 24	0 35	7 19
T 10	15 34	7 58	1 47	4 12	3 24	21 53	1 6	17 57	1 8	6 6	1 9	21 56	1 14	10 24	0 35	7 20
F 11	15 16	3 49	2 52	3 57	3 35	21 51	1 3	17 46	1 8	6 10	1 9	21 56	1 13	10 23	0 35	7 20
S 12	14 58	0n35	3 49	3 44	3 46	21 47	1 0	17 35	1 8	6 13	1 9	21 56	1 13	10 23	0 35	7 21
S 13	14 40	5 2	4 34	3 34	3 56	21 43	0 56	17 24	1 8	6 17	1 9	21 56	1 13	10 23	0 35	7 22
M14	14 22	9 16	5 4	3 26	4 5	21 39	0 53	17 12	1 8	6 21	1 9	21 56	1 13	10 23	0 35	7 22
T 15	14 3	13 5	5 17	3 21	4 14	21 34	0 50	17 1	1 9	6 25	1 8	21 56	1 13	10 23	0 35	7 23
W16	13 44	16 11	5 11	3 19	4 22	21 28	0 47	16 50	1 9	6 28	1 8	21 56	1 12	10 22	0 35	7 23
T 17	13 25	18 20	4 45	3 20	4 28	21 22	0 43	16 38	1 9	6 32	1 8	21 57	1 12	10 22	0 35	7 24
F 18	13 6	19 20	4 2	3 24	4 34	21 15	0 40	16 26	1 9	6 36	1 8	21 57	1 12	10 22	0 35	7 25
S 19	12 47	19 3	3 2	3 31	4 38	21 7	0 37	16 14	1 9	6 40	1 8	21 57	1 12	10 22	0 35	7 25
S 20	12 27	17 31	1 52	3 42	4 41	20 59	0 33	16 3	1 9	6 44	1 8	21 57	1 12	10 21	0 35	7 26
M21	12 7	14 53	0 35	3 55	4 42	20 50	0 30	15 50	1 9	6 48	1 7	21 57	1 12	10 21	0 35	7 26
T 22	11 47	11 24	0n43	4 12	4 42	20 41	0 27	15 38	1 9	6 52	1 7	21 57	1 11	10 21	0 35	7 27
W23	11 27	7 21	1 57	4 32	4 39	20 31	0 24	15 26	1 9	6 56	1 7	21 58	1 11	10 20	0 36	7 28
T 24	11 6	3 2	3 3	4 54	4 35	20 21	0 20	15 14	1 9	7 0	1 7	21 58	1 11	10 20	0 36	7 28
F 25	10 46	1s19	3 57	5 19	4 29	20 10	0 17	15 1	1 9	7 4	1 7	21 58	1 11	10 20	0 36	7 29
S 26	10 25	5 30	4 38	5 46	4 21	19 58	0 14	14 49	1 9	7 8	1 7	21 58	1 11	10 19	0 36	7 30
S 27	10 4	9 19	5 4	6 15	4 12	19 46	0 11	14 36	1 10	7 12	1 6	21 58	1 10	10 19	0 36	7 30
M28	9 43	12 41	5 16	6 45	4 0	19 33	0 8	14 24	1 10	7 16	1 6	21 58	1 10	10 18	0 36	7 31
T 29	9 22	15 27	5 13	7 15	3 47	19 20	0 4	14 11	1 10	7 20	1 6	21 59	1 10	10 18	0 36	7 31
W30	9 0	17 33	4 58	7 46	3 32	19 6	0 1	13 58	1 10	7 25	1 6	21 59	1 10	10 18	0 36	7 32
T 31	8n39	18s53	4n29	8n16	3s16	18n52	0n 2	13n45	1n10	7s29	1n 6	21s59	1n10	10n17	0s36	7s33

Julian Day Number = 2457966.5, Delta T = 68.83 sec  
 Ecliptic obliquity = 23°26'05, Nutation = - 0°00'09, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 24°59'09, Lahiri = 24°06'10

# ASTRODIENST EPHEMERIS for the year 2017

## geocentric

SEPTEMBER 2017

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	22 41 23	8♎45'29	7♏48	29°R47	6♎57	27♎12	22♎0	21♎13	28°R12	12°R58	17°R 2	24♎10	23♎21	22♎17	27°R22	F 1
S 2	22 45 20	9°43'32	19°48	29♎16	8° 9	27°50	22°11	21°14	28°Y11	12°X56	17°Z 2	24°12	23°18	22°23	27°X20	S 2
S 3	22 49 17	10°41'37	1♎59	28°51	9°21	28°29	22°22	21°14	28° 9	12°55	17° 1	24°13	23°15	22°30	27°17	S 3
M 4	22 53 13	11°39'43	14°24	28°35	10°33	29° 7	22°33	21°15	28° 8	12°53	17° 0	24°14	23°12	22°37	27°15	M 4
T 5	22 57 10	12°37'51	27° 4	28°D26	11°45	29°45	22°45	21°16	28° 6	12°51	16°59	24°R14	23° 9	22°44	27°12	T 5
W 6	23 1 6	13°36'00	10♎2	28°27	12°57	0♎23	22°56	21°17	28° 5	12°50	16°59	24°R13	23° 6	22°50	27° 9	W 6
T 7	23 5 3	14°34'11	23°16	28°36	14°10	1° 1	23° 7	21°19	28° 3	12°48	16°58	24°12	23° 2	22°57	27° 7	T 7
F 8	23 8 59	15°32'24	6♎46	28°53	15°22	1°39	23°19	21°20	28° 2	12°46	16°58	24° 9	22°59	23° 4	27° 4	F 8
S 9	23 12 56	16°30'39	20°31	29°20	16°35	2°17	23°30	21°21	28° 0	12°45	16°57	24° 6	22°56	23°10	27° 1	S 9
S 10	23 16 52	17°28'55	4♎27	29°55	17°47	2°55	23°42	21°23	27°58	12°43	16°56	24° 3	22°53	23°17	26°59	S 10
M11	23 20 49	18°27'14	18°31	0♎39	19° 0	3°33	23°54	21°24	27°57	12°42	16°56	24° 0	22°50	23°24	26°56	M11
T 12	23 24 46	19°25'35	2♎40	1°30	20°12	4°11	24° 5	21°26	27°55	12°40	16°55	23°58	22°46	23°30	26°53	T 12
W13	23 28 42	20°23'58	16°52	2°30	21°25	4°50	24°17	21°28	27°53	12°38	16°55	23°D57	22°43	23°37	26°51	W13
T 14	23 32 39	21°22'23	1♎4	3°36	22°38	5°28	24°29	21°29	27°51	12°37	16°54	23°57	22°40	23°44	26°48	T 14
F 15	23 36 35	22°20'50	15°14	4°49	23°51	6° 6	24°41	21°31	27°49	12°35	16°54	23°58	22°37	23°51	26°45	F 15
S 16	23 40 32	23°19'20	29°20	6° 8	25° 4	6°44	24°53	21°33	27°48	12°33	16°54	24° 0	22°34	23°57	26°42	S 16
S 17	23 44 28	24°17'52	13♎20	7°32	26°17	7°22	25° 5	21°35	27°46	12°32	16°53	24° 1	22°31	24° 4	26°40	S 17
M18	23 48 25	25°16'25	27°12	9° 1	27°30	8° 0	25°17	21°38	27°44	12°30	16°53	24°R 2	22°27	24°11	26°37	M18
T 19	23 52 21	26°15'01	10♎54	10°34	28°43	8°38	25°29	21°40	27°42	12°29	16°53	24° 0	22°24	24°17	26°34	T 19
W20	23 56 18	27°13'39	24°24	12°11	29°56	9°16	25°41	21°42	27°40	12°27	16°52	23°58	22°21	24°24	26°32	W20
T 21	0 0 15	28°12'18	7♎38	13°51	1♎9	9°54	25°53	21°45	27°38	12°25	16°52	23°53	22°18	24°31	26°29	T 21
F 22	0 4 11	29°11'00	20°37	15°33	2°23	10°32	26° 6	21°47	27°36	12°24	16°52	23°48	22°15	24°38	26°26	F 22
S 23	0 8 8	0♎9'43	3♎20	17°18	3°36	11°10	26°18	21°50	27°34	12°22	16°52	23°41	22°12	24°44	26°23	S 23
S 24	0 12 4	1° 8'28	15°46	19° 4	4°50	11°48	26°30	21°53	27°32	12°21	16°52	23°35	22° 8	24°51	26°21	S 24
M25	0 16 1	2° 7'15	20°52	6° 3	12°26	26°43	21°56	27°29	27°29	12°19	16°51	23°29	22° 5	24°58	26°18	M25
T 26	0 19 57	3° 6'04	10♎0	7°17	13° 4	26°55	21°59	27°27	27°27	12°18	16°51	23°25	22° 2	25° 4	26°15	T 26
W27	0 23 54	4° 4'55	21°54	24°29	8°30	13°42	27° 8	22° 2	27°25	12°16	16°51	23°23	21°59	25°11	26°12	W27
T 28	0 27 50	5° 3'47	3♎45	26°18	9°44	14°20	27°20	22° 5	27°23	12°15	16°51	23°D22	21°56	25°18	26°10	T 28
F 29	0 31 47	6° 2'41	15°38	28° 8	10°57	14°58	27°33	22° 8	27°21	12°13	16°D51	23°22	21°52	25°24	26° 7	F 29
S 30	0 35 43	7♎1'37	27♎39	29♎57	12♎11	15♎36	27♎45	22♎11	27°Y18	12°X12	16°Z51	23♎23	21♎49	25♎31	26°X 4	S 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8n17	19s23	3n49	8n45	2s59	18n37	0n 5	13n32	1n10	7s33	1n 6	21s59	1n 9	10n17	0s36	F 1
S 2	7 55	19 1	2 59	9 13	2 41	18 21	0 8	13 19	1 10	7 37	1 6	22 0	1 9	10 16	0 36	S 2
S 3	7 33	17 46	2 0	9 39	2 22	18 5	0 11	13 6	1 10	7 42	1 5	22 0	1 9	10 16	0 36	S 3
M 4	7 11	15 39	0 54	10 2	2 3	17 49	0 14	12 52	1 10	7 46	1 5	22 0	1 9	10 15	0 36	M 4
T 5	6 49	12 44	0s16	10 23	1 44	17 32	0 17	12 39	1 10	7 50	1 5	22 0	1 9	10 14	0 36	T 5
W 6	6 27	9 8	1 26	10 41	1 25	17 14	0 20	12 26	1 10	7 54	1 5	22 1	1 9	10 14	0 36	W 6
T 7	6 4	5 1	2 33	10 55	1 6	16 56	0 23	12 12	1 10	7 59	1 5	22 1	1 8	10 13	0 36	T 7
F 8	5 42	0 35	3 33	11 6	0 48	16 38	0 25	11 59	1 10	8 3	1 5	22 1	1 8	10 13	0 36	F 8
S 9	5 19	3n58	4 22	11 14	0 31	16 19	0 28	11 45	1 10	8 8	1 5	22 1	1 8	10 12	0 36	S 9
S 10	4 57	8 21	4 56	11 17	0 14	15 59	0 31	11 31	1 10	8 12	1 5	22 2	1 8	10 12	0 36	S 10
M11	4 34	12 19	5 12	11 17	0n 2	15 39	0 34	11 18	1 10	8 16	1 4	22 2	1 8	10 11	0 36	M11
T 12	4 11	15 37	5 10	11 12	0 17	15 19	0 36	11 4	1 10	8 21	1 4	22 2	1 7	10 10	0 36	T 12
W13	3 48	17 59	4 49	11 4	0 31	14 58	0 39	10 50	1 10	8 25	1 4	22 2	1 7	10 10	0 36	W13
T 14	3 25	19 15	4 11	10 52	0 44	14 37	0 41	10 36	1 10	8 30	1 4	22 3	1 7	10 9	0 36	T 14
F 15	3 2	19 18	3 17	10 37	0 56	14 16	0 44	10 22	1 10	8 34	1 4	22 3	1 7	10 8	0 36	F 15
S 16	2 39	18 9	2 11	10 17	1 6	13 54	0 46	10 8	1 10	8 39	1 4	22 3	1 7	10 8	0 36	S 16
S 17	2 16	15 53	0 58	9 55	1 16	13 31	0 49	9 54	1 10	8 43	1 4	22 4	1 7	10 7	0 36	S 17
M18	1 53	12 43	0n17	9 29	1 24	13 8	0 51	9 39	1 10	8 48	1 4	22 4	1 6	10 6	0 36	M18
T 19	1 29	8 53	1 31	9 0	1 31	12 45	0 53	9 25	1 10	8 52	1 4	22 4	1 6	10 6	0 36	T 19
W20	1 6	4 39	2 38	8 29	1 37	12 22	0 56	9 11	1 10	8 57	1 3	22 5	1 6	10 5	0 36	W20
T 21	0 43	0 16	3 35	7 55	1 42	11 58	0 58	8 57	1 10	9 1	1 3	22 5	1 6	10 4	0 36	T 21
F 22	0 20	4s 2	4 20	7 19	1 46	11 33	1 0	8 42	1 10	9 6	1 3	22 5	1 6	10 3	0 36	F 22
S 23	0s 4	8 3	4 51	6 41	1 48	11 9	1 2	8 28	1 10	9 10	1 3	22 6	1 5	10 3	0 36	S 23
S 24	0 27	11 39	5 7	6 1	1 50	10 44	1 4	8 13	1 10	9 15	1 3	22 6	1 5	10 2	0 36	S 24
M25	0 51	14 41	5 9	5 20	1 51	10 19	1 6	7 59	1 10	9 19	1 3	22 6	1 5	10 1	0 36	M25
T 26	1 14	17 2	4 57	4 37	1 52	9 53	1 8	7 44	1 10	9 24	1 3	22 7	1 5	10 0	0 36	T 26
W27	1 37	18 39	4 33	3 54	1 51	9 27	1 10	7 30	1 10	9 28	1 3	22 7	1 5	10 0	0 36	W27
T 28	2 1	19 26	3 57	3 9	1 50	9 1	1 11	7 15	1 10	9 33	1 3	22 7	1 5	9 59	0 36	T 28
F 29	2 24	19 22	3 10	2 24	1 48	8 35	1 13	7 0	1 10	9 37	1 3	22 8	1 4	9 58	0 36	F 29
S 30	2s47	18s25	2n15	1n38	1n46	8n 8	1n15	6n45	1n10	9s42	1n 2	22s 8	1n 4	9n57	0s36	S 30

Julian Day Number = 2457997.5, Delta T = 68.86 sec

Ecliptic obliquity = 23°26'06, Nutation = - 0°00'10, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°59'14, Lahiri = 24°06'14

# ASTRODIENST EPHEMERIS for the year 2017

## geocentric

OCTOBER 2017

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 39 40	8♂ 0'34	9♂♂51	1♂♂46	13♂♂25	16♂♂14	27♂♂58	22♂♂15	27°R16	12°R10	16♂♂51	23♂♂25	21♂♂46	25♂♂38	26°R 2	S 1
M 2	0 43 37	8°59'34	22°20	3°35	14°39	16°52	28°11	22°18	27°Y14	12°X 9	16°51	23°R26	21°43	25°45	25°X59	M 2
T 3	0 47 33	9°58'35	5♂ 9	5°23	15°53	17°30	28°23	22°22	27°12	12° 7	16°52	23°25	21°40	25°51	25°56	T 3
W 4	0 51 30	10°57'38	18°20	7°11	17° 7	18° 8	28°36	22°25	27° 9	12° 6	16°52	23°22	21°37	25°58	25°54	W 4
T 5	0 55 26	11°56'43	1°Y55	8°58	18°21	18°46	28°49	22°29	27° 7	12° 5	16°52	23°17	21°33	26° 5	25°51	T 5
F 6	0 59 23	12°55'49	15°50	10°44	19°35	19°24	29° 1	22°33	27° 5	12° 3	16°52	23°11	21°30	26°11	25°49	F 6
S 7	1 3 19	13°54'58	0♂ 2	12°30	20°49	20° 2	29°14	22°36	27° 2	12° 2	16°52	23° 3	21°27	26°18	25°46	S 7
S 8	1 7 16	14°54'09	14°27	14°15	22° 3	20°40	29°27	22°40	27° 0	12° 1	16°52	22°54	21°24	26°25	25°43	S 8
M 9	1 11 12	15°53'23	28°57	15°59	23°17	21°18	29°40	22°44	26°57	11°59	16°53	22°47	21°21	26°31	25°41	M 9
T 10	1 15 9	16°52'38	13♂♂26	17°43	24°31	21°56	29°53	22°49	26°55	11°58	16°53	22°41	21°18	26°38	25°38	T 10
W11	1 19 6	17°51'56	27°50	19°26	25°45	22°34	0♂ 6	22°53	26°53	11°57	16°53	22°37	21°14	26°45	25°36	W11
T 12	1 23 2	18°51'17	12♂♂ 4	21° 8	27° 0	23°12	0°19	22°57	26°50	11°55	16°54	22°35	21°11	26°51	25°33	T 12
F 13	1 26 59	19°50'39	26° 7	22°49	28°14	23°49	0°32	23° 1	26°48	11°54	16°54	22°D35	21° 8	26°58	25°31	F 13
S 14	1 30 55	20°50'04	9♂♂58	24°30	29°28	24°27	0°45	23° 6	26°45	11°53	16°55	22°36	21° 5	27° 5	25°29	S 14
S 15	1 34 52	21°49'31	23°38	26°10	0♂♂43	25° 5	0°58	23°10	26°43	11°52	16°55	22°R36	21° 2	27°12	25°26	S 15
M16	1 38 48	22°49'01	7♂ 6	27°49	1°57	25°43	1°11	23°15	26°41	11°51	16°56	22°35	20°58	27°18	25°24	M16
T 17	1 42 45	23°48'33	20°23	29°27	3°12	26°21	1°24	23°19	26°38	11°50	16°56	22°32	20°55	27°25	25°22	T 17
W18	1 46 41	24°48'06	3♂♂29	1♂ 5	4°26	26°59	1°37	23°24	26°36	11°48	16°57	22°26	20°52	27°32	25°19	W18
T 19	1 50 38	25°47'42	16°24	2°43	5°41	27°37	1°50	23°29	26°33	11°47	16°57	22°17	20°49	27°38	25°17	T 19
F 20	1 54 35	26°47'21	29° 7	4°19	6°56	28°15	2° 3	23°34	26°31	11°46	16°58	22° 6	20°46	27°45	25°15	F 20
S 21	1 58 31	27°47'01	11♂♂38	5°55	8°10	28°53	2°16	23°38	26°28	11°45	16°59	21°54	20°43	27°52	25°13	S 21
S 22	2 2 28	28°46'43	23°57	7°30	9°25	29°31	2°29	23°43	26°26	11°44	16°59	21°41	20°39	27°58	25°10	S 22
M23	2 6 24	29°46'27	6♂ 4	9° 5	10°40	0♂ 9	2°42	23°48	26°23	11°43	17° 0	21°30	20°36	28° 5	25° 8	M23
T 24	2 10 21	0♂♂46'12	18° 2	10°40	11°54	0°47	2°55	23°54	26°21	11°42	17° 1	21°20	20°33	28°12	25° 6	T 24
W25	2 14 17	1°46'00	29°54	12°13	13° 9	1°25	3° 8	23°59	26°18	11°41	17° 1	21°13	20°30	28°19	25° 4	W25
T 26	2 18 14	2°45'49	11♂♂43	13°46	14°24	2° 2	3°21	24° 4	26°16	11°41	17° 2	21° 9	20°27	28°25	25° 2	T 26
F 27	2 22 10	3°45'41	23°33	15°19	15°39	2°40	3°34	24° 9	26°14	11°40	17° 3	21° 6	20°23	28°32	25° 0	F 27
S 28	2 26 7	4°45'33	5♂♂31	16°51	16°54	3°18	3°47	24°15	26°11	11°39	17° 4	21°D 6	20°20	28°39	24°58	S 28
S 29	2 30 4	5°45'28	17°40	18°23	18° 9	3°56	4° 0	24°20	26° 9	11°38	17° 5	21°R 6	20°17	28°45	24°56	S 29
M30	2 34 0	6°45'24	0♂ 7	19°54	19°23	4°34	4°14	24°25	26° 6	11°37	17° 6	21° 6	20°14	28°52	24°54	M30
T 31	2 37 57	7♂♂45'21	12♂♂57	21♂♂24	20♂♂38	5♂♂12	4♂♂27	24♂♂31	26°Y 4	11°X36	17♂♂ 7	21♂♂ 4	20♂♂11	28♂♂59	24♂♂53	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	3s11	16s36	1n13	0n52	1n43	7n41	1n16	6n31	1n10	9s47	1n 2	22s 8	1n 4	9n56	0s36	7s52
M 2	3 34	13 58	0 6	0 6	1 40	7 14	1 18	6 16	1 10	9 51	1 2	22 9	1 4	9 56	0 36	7 52
T 3	3 57	10 36	1 s 3	0s40	1 36	6 47	1 19	6 1	1 10	9 56	1 2	22 9	1 4	9 55	0 36	7 53
W 4	4 20	6 36	2 10	1 27	1 32	6 19	1 20	5 46	1 10	10 0	1 2	22 10	1 4	9 54	0 36	7 53
T 5	4 43	2 11	3 12	2 13	1 27	5 52	1 22	5 31	1 10	10 5	1 2	22 10	1 3	9 53	0 36	7 54
F 6	5 6	2n28	4 4	2 59	1 22	5 24	1 23	5 16	1 10	10 10	1 2	22 10	1 3	9 52	0 36	7 54
S 7	5 29	7 5	4 42	3 45	1 17	4 56	1 24	5 1	1 10	10 14	1 2	22 11	1 3	9 51	0 36	7 55
S 8	5 52	11 21	5 3	4 31	1 11	4 27	1 25	4 46	1 10	10 19	1 2	22 11	1 3	9 50	0 36	7 55
M 9	6 15	14 58	5 4	5 17	1 6	3 59	1 26	4 31	1 10	10 23	1 2	22 11	1 3	9 50	0 36	7 56
T 10	6 38	17 40	4 46	6 2	1 0	3 31	1 27	4 16	1 10	10 28	1 2	22 12	1 3	9 49	0 36	7 56
W11	7 0	19 15	4 10	6 46	0 54	3 2	1 28	4 1	1 10	10 32	1 2	22 12	1 2	9 48	0 36	7 57
T 12	7 23	19 35	3 19	7 31	0 47	2 33	1 29	3 46	1 10	10 37	1 2	22 13	1 2	9 47	0 36	7 57
F 13	7 46	18 41	2 17	8 14	0 41	2 4	1 29	3 31	1 10	10 42	1 2	22 13	1 2	9 46	0 36	7 58
S 14	8 8	16 40	1 7	8 57	0 35	1 35	1 30	3 16	1 10	10 46	1 1	22 13	1 2	9 45	0 36	7 58
S 15	8 30	13 44	0n 6	9 40	0 28	1 6	1 31	3 1	1 10	10 51	1 1	22 14	1 2	9 44	0 36	7 59
M16	8 52	10 5	1 17	10 22	0 21	0 37	1 31	2 46	1 10	10 55	1 1	22 14	1 2	9 44	0 36	7 59
T 17	9 14	6 0	2 23	11 3	0 15	0 8	1 31	2 31	1 10	11 0	1 1	22 15	1 2	9 43	0 36	8 0
W18	9 36	1 40	3 20	11 44	0 8	0s22	1 32	2 16	1 10	11 4	1 1	22 15	1 1	9 42	0 36	8 0
T 19	9 58	2s40	4 6	12 24	0 1	0 51	1 32	2 1	1 9	11 9	1 1	22 15	1 1	9 41	0 36	8 0
F 20	10 20	6 49	4 39	13 3	0s 6	1 20	1 32	1 45	1 9	11 13	1 1	22 16	1 1	9 40	0 36	8 1
S 21	10 41	10 36	4 57	13 41	0 13	1 49	1 32	1 30	1 9	11 18	1 1	22 16	1 1	9 39	0 36	8 1
S 22	11 2	13 53	5 2	14 19	0 19	2 19	1 33	1 15	1 9	11 23	1 1	22 16	1 1	9 38	0 36	8 2
M23	11 23	16 31	4 53	14 56	0 26	2 48	1 33	1 0	1 9	11 27	1 1	22 17	1 1	9 37	0 36	8 2
T 24	11 44	18 24	4 30	15 33	0 33	3 17	1 32	0 45	1 9	11 32	1 1	22 17	1 1	9 37	0 36	8 2
W25	12 5	19 29	3 57	16 8	0 40	3 47	1 32	0 30	1 9	11 36	1 1	22 18	1 0	9 36	0 36	8 3
T 26	12 26	19 43	3 13	16 43	0 46	4 16	1 32	0 15	1 9	11 40	1 1	22 18	1 0	9 35	0 36	8 3
F 27	12 46	19 4	2 21	17 16	0 53	4 45	1 32	0s 1	1 9	11 45	1 1	22 18	1 0	9 34	0 36	8 3
S 28	13 6	17 34	1 22	17 49	1 0	5 14	1 31	0 16	1 9	11 49	1 1	22 19	1 0	9 33	0 36	8 4
S 29	13 26	15 15	0 18	18 21	1 6	5 43	1 31	0 31	1 9	11 54	1 1	22 19	1 0	9 32	0 36	8 4
M30	13 46	12 10	0s48	18 52	1 12	6 11	1 30	0 46	1 8	11 58	1 1	22 19	1 0	9 31	0 36	8 4
T 31	14s 6	8s26	1s53	19s22	1s19	6s40	1n30	1s 1	1n 8	12s 3	1n 1	22s20	1n 0	9n30	0s36	8s 4

Julian Day Number = 2458027.5, Delta T = 68.89 sec  
 Ecliptic obliquity = 23°26'06, Nutation = - 0°00'11, out-of-bounds declination in red  
 Ayanamsha: Fagan/Bradley = 24°59'18, Lahiri = 24°06'18

# ASTRODIENST EPHEMERIS for the year 2017

## geocentric

NOVEMBER 2017

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 41 53	8♈45'20	26♈13	22♈54	21♈53	5♈50	4♈40	24♈37	26°R 2	11°R36	17♈8	21°R 0	20♈8	29♈5	24°R51	W 1
T 2	2 45 50	9°45'21	9°Y56	24°24	23° 8	6°28	4°53	24°42	25°Y59	11°R35	17° 9	20♈53	20° 4	29°12	24°R49	T 2
F 3	2 49 46	10°45'24	24° 7	25°53	24°23	7° 5	5° 6	24°48	25°57	11°34	17°10	20°44	20° 1	29°19	24°47	F 3
S 4	2 53 43	11°45'28	8♈41	27°22	25°38	7°43	5°19	24°54	25°55	11°34	17°11	20°33	19°58	29°25	24°46	S 4
S 5	2 57 39	12°45'34	23°30	28°50	26°53	8°21	5°32	24°59	25°52	11°33	17°12	20°21	19°55	29°32	24°44	S 5
M 6	3 1 36	13°45'43	8♈27	0♈17	28° 8	8°59	5°45	25° 5	25°50	11°33	17°13	20°10	19°52	29°39	24°42	M 6
T 7	3 5 32	14°45'53	23°22	1°44	29°24	9°37	5°58	25°11	25°48	11°32	17°14	20° 1	19°49	29°46	24°41	T 7
W 8	3 9 29	15°46'05	8♈7	3°10	0♈39	10°15	6°11	25°17	25°45	11°32	17°15	19°54	19°45	29°52	24°39	W 8
T 9	3 13 26	16°46'19	22°36	4°36	1°54	10°53	6°24	25°23	25°43	11°31	17°16	19°51	19°42	29°59	24°38	T 9
F 10	3 17 22	17°46'35	6♈45	6° 1	3° 9	11°30	6°37	25°29	25°41	11°31	17°18	19°49	19°39	0♈6	24°37	F 10
S 11	3 21 19	18°46'53	20°34	7°25	4°24	12° 8	6°50	25°35	25°39	11°30	17°19	19°49	19°36	0°12	24°35	S 11
S 12	3 25 15	19°47'14	4♈5	8°49	5°39	12°46	7° 3	25°42	25°37	11°30	17°20	19°49	19°33	0°19	24°34	S 12
M13	3 29 12	20°47'36	17°19	10°12	6°55	13°24	7°16	25°48	25°34	11°30	17°21	19°47	19°29	0°26	24°33	M13
T 14	3 33 8	21°48'00	0♈18	11°33	8°10	14° 2	7°29	25°54	25°32	11°29	17°23	19°43	19°26	0°32	24°32	T 14
W15	3 37 5	22°48'26	13° 5	12°54	9°25	14°40	7°42	26° 0	25°30	11°29	17°24	19°36	19°23	0°39	24°30	W15
T 16	3 41 1	23°48'53	25°41	14°14	10°40	15°17	7°55	26° 7	25°28	11°29	17°25	19°25	19°20	0°46	24°29	T 16
F 17	3 44 58	24°49'23	8♈7	15°32	11°56	15°55	8° 8	26°13	25°26	11°28	17°27	19°13	19°17	0°52	24°28	F 17
S 18	3 48 55	25°49'54	20°23	16°48	13°11	16°33	8°20	26°19	25°24	11°28	17°28	18°58	19°14	0°59	24°27	S 18
S 19	3 52 51	26°50'27	2♈32	18° 4	14°26	17°11	8°33	26°26	25°22	11°28	17°29	18°43	19°10	1° 6	24°26	S 19
M20	3 56 48	27°51'01	14°32	19°17	15°42	17°49	8°46	26°32	25°20	11°28	17°31	18°30	19° 7	1°12	24°26	M20
T 21	4 0 44	28°51'36	26°26	20°28	16°57	18°27	8°59	26°39	25°18	11°28	17°32	18°18	19° 4	1°19	24°25	T 21
W22	4 4 41	29°52'14	8♈15	21°36	18°12	19° 4	9°11	26°45	25°16	11°28	17°34	18° 9	19° 1	1°26	24°24	W22
T 23	4 8 37	0♈52'52	20° 2	22°42	19°28	19°42	9°24	26°52	25°14	11°D28	17°35	18° 3	18°58	1°33	24°23	T 23
F 24	4 12 34	1°53'31	1♈51	23°45	20°43	20°20	9°37	26°59	25°13	11°28	17°37	17°59	18°55	1°39	24°23	F 24
S 25	4 16 30	2°54'12	13°46	24°44	21°59	20°58	9°49	27° 5	25°11	11°28	17°38	17°D58	18°51	1°46	24°22	S 25
S 26	4 20 27	3°54'54	25°53	25°39	23°14	21°35	10° 2	27°12	25° 9	11°28	17°40	17°58	18°48	1°53	24°21	S 26
M27	4 24 24	4°55'37	8♈15	26°30	24°29	22°13	10°14	27°19	25° 7	11°28	17°42	17°R58	18°45	1°59	24°21	M27
T 28	4 28 20	5°56'20	20°59	27°15	25°45	22°51	10°27	27°25	25° 6	11°28	17°43	17°57	18°42	2° 6	24°21	T 28
W29	4 32 17	6°57'05	4°Y10	27°55	27° 0	23°29	10°39	27°32	25° 4	11°29	17°45	17°54	18°39	2°13	24°20	W29
T 30	4 36 13	7♈57'51	17°Y50	28♈27	28♈16	24♈6	10♈52	27♈39	25°Y 2	11°R29	17♈47	17°D49	18°D35	2♈19	24°R20	T 30

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	14s25	4s10	2s54	19s52	1s25	7s 9	1n29	1s16	1n 8	12s 7	1n 1	22s20	0n59	9n30	0s36	8s 5	0s56	21s47	0n33	14n30	14n46	19s26	1n32	3n54	
T 2	14 44	0n26	3 48	20 20	1 31	7 37	1 29	1 31	1 8	12 12	1 1	22 21	0 59	9 29	0 36	8 5	0 56	21 47	0 33	14 32	14 47	19 26	1 31	3 54	
F 3	15 3	5 11	4 29	20 47	1 36	8 5	1 28	1 46	1 8	12 16	1 1	22 21	0 59	9 28	0 36	8 5	0 56	21 47	0 33	14 35	14 48	19 27	1 30	3 53	
S 4	15 22	9 45	4 54	21 13	1 42	8 33	1 27	2 1	1 8	12 20	1 1	22 21	0 59	9 27	0 36	8 5	0 56	21 47	0 33	14 38	14 49	19 27	1 29	3 53	
S 5	15 40	13 48	5 0	21 38	1 47	9 1	1 26	2 16	1 8	12 25	1 1	22 22	0 59	9 26	0 36	8 6	0 56	21 47	0 33	14 42	14 50	19 28	1 28	3 53	
M 6	15 58	17 1	4 45	22 2	1 53	9 29	1 25	2 31	1 8	12 29	1 1	22 22	0 59	9 25	0 36	8 6	0 56	21 47	0 33	14 46	14 51	19 29	1 28	3 53	
T 7	16 16	19 5	4 12	22 25	1 58	9 57	1 24	2 46	1 7	12 33	1 1	22 22	0 59	9 25	0 36	8 6	0 56	21 47	0 33	14 48	14 52	19 29	1 27	3 52	
W 8	16 33	19 50	3 21	22 47	2 2	10 24	1 23	3 1	1 7	12 38	1 1	22 23	0 59	9 24	0 36	8 6	0 56	21 47	0 33	14 51	14 53	19 30	1 26	3 52	
T 9	16 51	19 16	2 19	23 8	2 7	10 51	1 22	3 16	1 7	12 42	1 1	22 23	0 58	9 23	0 36	8 6	0 56	21 47	0 32	14 52	14 54	19 30	1 25	3 52	
F 10	17 8	17 29	1 9	23 28	2 11	11 18	1 21	3 31	1 7	12 46	1 1	22 23	0 58	9 22	0 36	8 6	0 56	21 47	0 32	14 52	14 55	19 31	1 24	3 52	
S 11	17 24	14 42	0n 4	23 46	2 15	11 44	1 20	3 46	1 7	12 50	1 1	22 24	0 58	9 21	0 36	8 7	0 56	21 47	0 32	14 52	14 56	19 31	1 24	3 52	
S 12	17 41	11 10	1 15	24 3	2 19	12 10	1 18	4 1	1 7	12 55	1 1	22 24	0 58	9 21	0 36	8 7	0 56	21 47	0 32	14 52	14 57	19 32	1 23	3 51	
M13	17 57	7 9	2 20	24 19	2 22	12 36	1 17	4 16	1 7	12 59	1 1	22 24	0 58	9 20	0 36	8 7	0 56	21 47	0 32	14 53	14 58	19 33	1 22	3 51	
T 14	18 13	2 53	3 16	24 34	2 25	13 2	1 15	4 31	1 6	13 3	1 1	22 25	0 58	9 19	0 36	8 7	0 56	21 47	0 32	14 54	14 59	19 33	1 22	3 51	
W15	18 28	1s27	4 2	24 47	2 28	13 27	1 14	4 45	1 6	13 7	1 1	22 25	0 58	9 18	0 36	8 7	0 56	21 47	0 32	14 56	15 0	19 34	1 21	3 51	
T 16	18 43	5 39	4 35	24 59	2 30	13 53	1 12	5 0	1 6	13 11	1 1	22 25	0 58	9 18	0 36	8 7	0 56	21 47	0 32	15 0	15 1	19 34	1 20	3 50	
F 17	18 58	9 34	4 54	25 10	2 32	14 17	1 11	5 15	1 6	13 15	1 1	22 25	0 57	9 17	0 36	8 7	0 56	21 46	0 32	15 4	15 2	19 35	1 20	3 50	
S 18	19 13	13 1	5 0	25 19	2 33	14 42	1 9	5 30	1 6	13 20	1 1	22 26	0 57	9 16	0 36	8 7	0 56	21 46	0 32	15 8	15 3	19 35	1 19	3 50	
S 19	19 27	15 54	4 51	25 27	2 34	15 5	1 8	5 44	1 6	13 24	1 1	22 26	0 57	9 16	0 36	8 7	0 56	21 46	0 31	15 13	15 4	19 36	1 18	3 50	
M20	19 41	18 4	4 30	25 34	2 34	15 29	1 6	5 59	1 5	13 28	1 1	22 26	0 57	9 15	0 36	8 7	0 56	21 46	0 31	15 17	15 5	19 36	1 18	3 49	
T 21	19 54	19 26	3 57	25 39	2 34	15 52	1 4	6 13	1 5	13 32	1 1	22 27	0 57	9 14	0 35	8 7	0 56	21 46	0 31	15 20	15 6	19 37	1 17	3 49	
W22	20 7	19 57	3 14	25 43	2 33	16 15	1 2	6 28	1 5	13 36	1 1	22 27	0 57	9 13	0 35	8 7	0 56	21 46	0 31	15 23	15 7	19 37	1 17	3 49	
T 23	20 20	19 36	2 22	25 45	2 31	16 37	1 0	6 42	1 5	13 40	1 1	22 27	0 57	9 13	0 35	8 7	0 56	21 46	0 31	15 25	15 8	19 38	1 16	3 49	
F 24	20 32	18 22	1 24	25 46	2 29	16 59	0 59	6 57	1 5	13 44	1 1	22 27	0 57	9 12	0 35	8 7	0 56	21 46	0 31	15 26	15 9	19 38	1 16	3 48	
S 25	20 44	16 20	0 22	25 45	2 25	17 21	0 57	7 11	1 4	13 48	1 1	22 28	0 57	9 12	0 35	8 7	0 56	21 46	0 31	15 27	15 10	19 39	1 15	3 48	
S 26	20 56	13 33	0s42	25 43	2 21	17 42	0 55	7 25	1 4	13 52	1 1	22 28	0 57	9 11	0 35	8 7	0 56	21 46	0 31	15 26	15 11	19 40	1 15	3 48	
M27	21 7	10 6	1 46	25 39	2 16	18 2	0 53	7 40	1 4	13 55	1 1	22 28	0 56	9 10	0 35	8 7	0 55	21 46	0 31	15 26	15 12	19 40	1 14	3 47	
T 28	21 18	6 7	2 46	25 34	2 10	18 22	0 51	7 54	1 4	13 59	1 1	22 28	0 56	9 10	0 35	8 7	0 55	21 45	0 30	15 27	15 13	19 41	1 14	3 47	
W29	21 28	1 42	3 40	25 27	2 2	18 42	0 49	8 8	1 4	14 3	1 1	22 29	0 56	9 9	0 35	8 7	0 55	21 45	0 30	15 28	15 14	19 41	1 13	3 47	
T 30	21s38	2n57	4s23	25s19	1s54	19s 1	0n46	8s22	1n 3	14s 7	1n 1	22s29	0n56	9n 9	0s35	8s 7	0s55	21s45	0n30	15n29	15n15	19s42	1n13	3n47	

# ASTRODIENST EPHEMERIS for the year 2017

## geocentric

DECEMBER 2017

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 40 10	8°58'38	28 1	28°53	29°31	24°44	11°11	27°46	25°R 1	11°29	17°48	17°R41	18°32	2°26	24°R20	F 1
S 2	4 44 6	9°59'26	16°40	29°10	0°46	25°22	11°16	27°53	24°Y59	11°29	17°50	17°31	18°29	2°33	24°K19	S 2
S 3	4 48 3	11° 0'14	1°14	29°R18	2° 2	26° 0	11°29	27°59	24°58	11°30	17°52	17°21	18°26	2°39	24°19	S 3
M 4	4 51 59	12° 1'05	16°54	29°16	3°17	26°37	11°41	28° 6	24°56	11°30	17°53	17°11	18°23	2°46	24°19	M 4
T 5	4 55 56	13° 1'56	2°59	29° 3	4°33	27°15	11°53	28°13	24°55	11°31	17°55	17° 2	18°20	2°53	24°D19	T 5
W 6	4 59 53	14° 2'48	17°15	28°40	5°48	27°53	12° 5	28°20	24°53	11°31	17°57	16°56	18°16	2°59	24°19	W 6
T 7	5 3 49	15° 3'42	2°42	28° 5	7° 4	28°30	12°17	28°27	24°52	11°32	17°59	16°53	18°13	3° 6	24°19	T 7
F 8	5 7 46	16° 4'36	16°29	27°19	8°19	29° 8	12°29	28°34	24°51	11°32	18° 0	16°D52	18°10	3°13	24°19	F 8
S 9	5 11 42	17° 5'32	0°40	26°22	9°35	29°46	12°41	28°41	24°50	11°33	18° 2	16°53	18° 7	3°20	24°19	S 9
S 10	5 15 39	18° 6'30	14° 5	25°16	10°50	0°12	12°53	28°48	24°48	11°33	18° 4	16°R54	18° 4	3°26	24°20	S 10
M 11	5 19 35	19° 7'28	27°17	24° 2	12° 6	1° 1	13° 5	28°55	24°47	11°34	18° 6	16°53	18° 1	3°33	24°20	M 11
T 12	5 23 32	20° 8'27	10°10	22°43	13°21	1°39	13°17	29° 2	24°46	11°34	18° 8	16°51	17°57	3°40	24°20	T 12
W 13	5 27 29	21° 9'28	22°46	21°20	14°37	2°17	13°28	29° 9	24°45	11°35	18° 9	16°47	17°54	3°46	24°21	W 13
T 14	5 31 25	22°10'30	5°11	19°58	15°52	2°54	13°40	29°16	24°44	11°36	18°11	16°40	17°51	3°53	24°21	T 14
F 15	5 35 22	23°11'32	17°22	18°37	17° 8	3°32	13°51	29°23	24°43	11°37	18°13	16°31	17°48	4° 0	24°22	F 15
S 16	5 39 18	24°12'36	29°26	17°22	18°23	4°10	14° 3	29°30	24°42	11°37	18°15	16°20	17°45	4° 6	24°22	S 16
S 17	5 43 15	25°13'40	11°25	16°14	19°39	4°47	14°14	29°37	24°41	11°38	18°17	16° 9	17°41	4°13	24°23	S 17
M 18	5 47 11	26°14'45	23°18	15°15	20°54	5°25	14°26	29°44	24°40	11°39	18°19	15°59	17°38	4°20	24°23	M 18
T 19	5 51 8	27°15'51	5°39	14°27	22°10	6° 2	14°37	29°51	24°40	11°40	18°21	15°51	17°35	4°26	24°24	T 19
W 20	5 55 4	28°16'57	16°57	13°49	23°25	6°40	14°48	29°59	24°39	11°41	18°23	15°44	17°32	4°33	24°25	W 20
T 21	5 59 1	29°18'04	28°46	13°22	24°41	7°18	14°59	0°36	24°38	11°42	18°25	15°40	17°29	4°40	24°26	T 21
F 22	6 2 58	0°31'11	10°38	13° 6	25°56	7°55	15°10	0°13	24°38	11°43	18°27	15°D39	17°26	4°46	24°27	F 22
S 23	6 6 54	1°20'19	22°36	13°D 0	27°12	8°33	15°21	0°20	24°37	11°44	18°29	15°39	17°22	4°53	24°28	S 23
S 24	6 10 51	2°21'26	4°44	13° 4	28°27	9°10	15°32	0°27	24°37	11°45	18°31	15°40	17°19	5° 0	24°29	S 24
M 25	6 14 47	3°22'34	17° 5	13°17	29°43	9°48	15°43	0°34	24°36	11°46	18°33	15°42	17°16	5° 6	24°30	M 25
T 26	6 18 44	4°23'42	29°46	13°38	0°58	10°25	15°54	0°41	24°36	11°47	18°35	15°R43	17°13	5°13	24°31	T 26
W 27	6 22 40	5°24'50	12°49	14° 7	2°14	11° 3	16° 4	0°48	24°35	11°48	18°37	15°42	17°10	5°20	24°32	W 27
T 28	6 26 37	6°25'57	26°20	14°42	3°29	11°40	16°15	0°55	24°35	11°49	18°39	15°41	17° 7	5°26	24°33	T 28
F 29	6 30 33	7°27'05	10°49	15°24	4°45	12°18	16°25	1° 2	24°35	11°50	18°41	15°37	17° 3	5°33	24°34	F 29
S 30	6 34 30	8°28'13	24°46	16°10	6° 0	12°55	16°36	1° 9	24°35	11°52	18°43	15°32	17° 0	5°40	24°36	S 30
S 31	6 38 27	9°29'21	9°38	17°2	7°36	13°33	16°46	1°16	24°34	11°53	18°45	15°27	16°57	5°47	24°37	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	21s48	7n36	4s52	25s10	1s44	19s19	0n44	8s36	1n 3	14s11	1n 1	22s29	0n56	9n 8	0s35	8s 7	0s55	21s45	0n30	15n32	15n16	19s42	1n13	3n46	
S 2	21 57	11 58	5 3	24 59	1 33	19 37	0 42	8 50	1 3	14 15	1 1	22 29	0 56	9 8	0 35	8 6	0 55	21 45	0 30	15 35	15 17	19 43	1 12	3 46	
S 3	22 5	15 42	4 54	24 46	1 20	19 55	0 40	9 4	1 3	14 18	1 1	22 29	0 56	9 7	0 35	8 6	0 55	21 45	0 30	15 38	15 18	19 43	1 12	3 46	
M 4	22 14	18 25	4 24	24 32	1 6	20 12	0 38	9 18	1 3	14 22	1 1	22 30	0 56	9 6	0 35	8 6	0 55	21 45	0 30	15 41	15 19	19 43	1 12	3 46	
T 5	22 21	19 50	3 35	24 16	0 51	20 28	0 35	9 31	1 2	14 26	1 1	22 30	0 56	9 6	0 35	8 6	0 55	21 45	0 30	15 44	15 20	19 44	1 11	3 45	
W 6	22 29	19 49	2 31	23 59	0 34	20 44	0 33	9 45	1 2	14 29	1 1	22 30	0 56	9 6	0 35	8 6	0 55	21 44	0 30	15 45	15 21	19 44	1 11	3 45	
T 7	22 36	18 26	1 18	23 41	0 16	20 59	0 31	9 59	1 2	14 33	1 1	22 30	0 56	9 5	0 35	8 6	0 55	21 44	0 30	15 46	15 22	19 45	1 11	3 45	
F 8	22 42	15 52	0 2	23 21	0n 3	21 13	0 29	10 12	1 2	14 37	1 1	22 30	0 55	9 5	0 35	8 5	0 55	21 44	0 29	15 47	15 23	19 45	1 11	3 45	
S 9	22 49	12 25	1n12	23 0	0 23	21 27	0 26	10 26	1 1	14 40	1 1	22 30	0 55	9 4	0 35	8 5	0 55	21 44	0 29	15 46	15 24	19 46	1 11	3 44	
S 10	22 54	8 25	2 20	22 38	0 44	21 40	0 24	10 39	1 1	14 44	1 1	22 31	0 55	9 4	0 35	8 5	0 55	21 44	0 29	15 46	15 25	19 46	1 10	3 44	
M11	22 59	4 7	3 19	22 14	1 4	21 53	0 22	10 53	1 1	14 47	1 1	22 31	0 55	9 3	0 35	8 5	0 55	21 44	0 29	15 46	15 26	19 47	1 10	3 44	
T 12	23 4	0s15	4 6	21 51	1 23	22 5	0 19	11 6	1 0	14 51	1 1	22 31	0 55	9 3	0 35	8 4	0 55	21 44	0 29	15 47	15 27	19 47	1 10	3 43	
W13	23 8	4 31	4 40	21 27	1 42	22 16	0 17	11 19	1 0	14 54	1 2	22 31	0 55	9 3	0 35	8 4	0 55	21 44	0 29	15 48	15 28	19 48	1 10	3 43	
T 14	23 12	8 32	5 0	21 4	1 59	22 27	0 14	11 32	1 0	14 57	1 2	22 31	0 55	9 2	0 35	8 4	0 55	21 43	0 29	15 50	15 29	19 48	1 10	3 43	
F 15	23 16	12 7	5 6	20 43	2 14	22 37	0 12	11 45	1 0	15 1	1 2	22 31	0 55	9 2	0 35	8 3	0 55	21 43	0 29	15 53	15 30	19 49	1 10	3 43	
S 16	23 18	15 11	4 58	20 23	2 27	22 46	0 10	11 58	0 59	15 4	1 2	22 31	0 55	9 2	0 35	8 3	0 55	21 43	0 29	15 56	15 31	19 49	1 10	3 42	
S 17	23 21	17 34	4 37	20 6	2 38	22 55	0 7	12 11	0 59	15 7	1 2	22 31	0 55	9 1	0 35	8 3	0 55	21 43	0 29	15 59	15 32	19 49	1 10	3 42	
M 18	23 23	19 12	4 4	19 52	2 47	23 3	0 5	12 24	0 59	15 11	1 2	22 31	0 55	9 1	0 35	8 2	0 55	21 43	0 28	16 2	15 33	19 50	1 10	3 42	
T 19	23 24	20 0	3 21	19 40	2 53	23 10	0 2	12 37	0 58	15 14	1 2	22 31	0 55	9 1	0 35	8 2	0 55	21 43	0 28	16 5	15 34	19 50	1 10	3 42	
W20	23 25	19 54	2 29	19 32	2 56	23 16	0 0	12 49	0 58	15 17	1 2	22 32	0 55	9 1	0 35	8 2	0 55	21 42	0 28	16 7	15 35	19 51	1 10	3 41	
T 21	23 26	18 56	1 30	19 27	2 58	23 22	0s 2	13 2	0 58	15 20	1 2	22 32	0 54	9 0	0 35	8 1	0 55	21 42	0 28	16 8	15 36	19 51	1 10	3 41	
F 22	23 26	17 8	0 27	19 25	2 58	23 27	0 5	13 14	0 57	15 24	1 2	22 32	0 54	9 0	0 35	8 1	0 55	21 42	0 28	16 9	15 37	19 52	1 10	3 41	
S 23	23 26	14 34	0s38	19 26	2 56	23 32	0 7	13 27	0 57	15 27	1 2	22 32	0 54	9 0	0 35	8 1	0 55	21 42	0 28	16 9	15 37	19 52	1 10	3 41	
S 24	23 25	11 21	1 42	19 30	2 53	23 35	0 10	13 39	0 57	15 30	1 2	22 32	0 54	9 0	0 34	8 0	0 55	21 42	0 28	16 8	15 38	19 52	1 11	3 40	
M25	23 24	7 36	2 42	19 35	2 49	23 38	0 12	13 51	0 56	15 33	1 2	22 32	0 54	9 0	0 34	8 0	0 55	21 42	0 28	16 8	15 39	19 53	1 11	3 40	
T 26	23 22	3 25	3 37	19 43	2 44	23 40	0 14	14 3	0 56	15 36	1 2	22 32	0 54	9 0	0 34	7 59	0 55	21 41	0 28	16 7	15 40	19 53	1 11	3 40	
W27	23 19	1n 3	4 22	19 52	2 38	23 42	0 17	14 15	0 56	15 39	1 3	22 32	0 54	9 0	0 34	7 59	0 55	21 41	0 28	16 7	15 41	19 54	1 11	3 39	
T 28	23 17	5 35	4 54	20 3	2 31	23 42	0 19	14 27	0 55	15 42	1 3	22 32	0 54	8 59	0 34	7 58	0 55	21 41	0 28	16 8	15 42	19 54	1 11	3 39	
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