



Astrodienst Ephemeris Tables for the year 2068

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 2068

geocentric

JANUARY 2068

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 41 59	10°22'08"	17°11'13"	27°32'29"	17°58'53"	22°27'06"	21°31'17"	24°17'07"	12°17'16"	4°R58	29°11'07"	11°17'13"	9°17'52"	0°11'11"	23°11'43"	S 1
M 2	6 45 55	11°23'19"	0°17'31"	28°56'19"	19°06'22"	22°36'21"	21°31'24"	24°07'12"	12°19'48"	5°57	29°08'11"	11°15'09"	9°49'00"	0°18'23"	23°44'00"	M 2
T 3	6 49 52	12°24'29"	14°15'00"	28°25'14"	20°18'23"	23°06'21"	21°45'24"	24°R7	12°23'45"	5°55	29°08'11"	11°R15	9°45'00"	0°25'23"	23°46'00"	T 3
W 4	6 53 49	13°25'40"	28°25'14"	1°43'21"	21°31'23"	23°36'21"	21°58'24"	24°07'12"	12°26'45"	5°53	29°09'11"	11°14'09"	9°42'00"	0°31'23"	23°47'00"	W 4
T 5	6 57 45	14°26'52"	12°35'56"	3°03'22"	22°44'24"	24°06'22"	22°12'24"	24°07'12"	12°29'45"	5°52	29°09'11"	11°11'09"	9°39'00"	0°38'23"	23°49'00"	T 5
F 6	7 1 42	15°28'03"	27°44'40"	4°19'23"	23°56'24"	24°36'22"	22°26'24"	24°07'12"	12°32'45"	5°50	29°10'11"	11°07'09"	9°36'00"	0°45'23"	23°51'00"	F 6
S 7	7 5 38	16°29'14"	12°44'40"	5°32'25"	25°09'25"	25°07'22"	22°40'24"	24°07'12"	12°36'44"	5°48	29°10'11"	11°01'09"	9°33'00"	0°52'23"	23°53'00"	S 7
S 8	7 9 35	17°30'24"	27°35'20"	6°40'26"	26°21'25"	25°37'22"	22°54'24"	24°06'12"	12°39'44"	5°47	29°11'10"	10°56'09"	9°30'00"	0°58'23"	23°54'00"	S 8
M 9	7 13 31	18°31'35"	12°11'35"	7°43'27"	27°33'26"	26°08'23"	23°09'24"	24°06'12"	12°42'44"	5°45	29°12'10"	10°51'09"	9°26'00"	1°05'23"	23°56'00"	M 9
T 10	7 17 28	19°32'44"	26°51'00"	8°39'28"	28°46'26"	26°39'23"	23°23'24"	24°05'12"	12°45'44"	5°43	29°12'10"	10°47'09"	9°23'00"	1°12'23"	23°58'00"	T 10
W 11	7 21 24	20°33'54"	11°17'02"	9°29'29"	29°58'27"	27°10'23"	23°37'24"	24°04'12"	12°48'44"	5°42	29°13'10"	10°45'09"	9°20'00"	1°19'24"	24°00'00"	W 11
T 12	7 25 21	21°35'02"	24°52'10"	10°11'11"	11°10'27"	27°42'23"	23°51'24"	24°03'12"	12°51'44"	5°40	29°14'10"	10°D44	9°17'00"	1°25'24"	24°02'00"	T 12
F 13	7 29 18	22°36'11"	8°12'22"	10°44'22"	28°13'24"	25°05'24"	24°05'24"	24°01'12"	12°54'43"	5°39	29°14'10"	10°45'09"	9°14'00"	1°32'24"	24°04'00"	F 13
S 14	7 33 14	23°37'18"	21°33'11"	11°08'33"	28°45'24"	24°19'24"	24°01'12"	12°58'43"	13°01'43"	5°37	29°15'10"	10°47'09"	9°11'00"	1°39'24"	24°06'00"	S 14
S 15	7 37 11	24°38'25"	4°11'28"	11°21'44"	29°17'24"	24°33'24"	24°00'13"	13°01'43"	4°35'29"	5°35	29°16'10"	10°R48	9°07'00"	1°45'24"	24°09'00"	S 15
M 16	7 41 07	25°39'32"	17°09'11"	11°R23	5°57'29"	24°47'23"	23°59'13"	13°03'43"	4°34'29"	5°34	29°17'10"	10°48'09"	9°04'00"	1°52'24"	24°11'00"	M 16
T 17	7 45 04	26°40'38"	29°39'11"	11°14'07"	7°09'08"	25°01'25"	23°57'13"	13°06'43"	4°32'29"	5°32	29°17'10"	10°46'09"	9°01'00"	1°59'24"	24°13'00"	T 17
W 18	7 49 00	27°41'43"	12°12'00"	10°53'08"	8°21'05"	25°15'23"	23°56'13"	13°09'43"	4°31'29"	5°31	29°18'10"	10°42'08"	8°58'00"	2°06'24"	24°15'00"	W 18
T 19	7 52 57	28°42'48"	24°12'10"	10°20'09"	9°32'12"	25°29'23"	23°54'13"	13°12'42"	4°29'29"	5°29	29°19'10"	10°35'08"	8°55'00"	2°12'24"	24°18'00"	T 19
F 20	7 56 53	29°43'52"	6°17'09"	9°36'10"	10°43'15"	25°43'23"	23°52'13"	13°15'42"	4°28'29"	5°28	29°20'10"	10°26'08"	8°51'00"	2°19'24"	24°20'00"	F 20
S 21	8 0 50	0°44'55"	18°17'08"	8°42'11"	11°55'23"	25°57'23"	23°50'13"	13°18'42"	4°26'29"	5°26	29°21'10"	10°16'08"	8°48'00"	2°26'24"	24°22'00"	S 21
S 22	8 4 47	1°45'58"	0°11'11"	7°40'13"	13°06'03"	26°11'33"	23°49'13"	13°21'42"	4°25'29"	5°25	29°22'10"	10°06'08"	8°45'00"	2°32'24"	24°25'00"	S 22
M 23	8 8 43	2°47'01"	12°03'06"	6°30'14"	14°17'33"	26°25'33"	23°46'13"	13°23'42"	4°23'29"	5°23	29°23'10"	9°56'08"	8°42'00"	2°39'24"	24°27'00"	M 23
T 24	8 12 40	3°48'03"	23°55'05"	5°16'15"	15°28'41"	26°39'41"	23°44'13"	13°26'42"	4°22'29"	5°22	29°24'10"	9°47'08"	8°39'00"	2°46'24"	24°30'00"	T 24
W 25	8 16 36	4°49'04"	5°49'04"	4°00'16"	16°38'43"	26°53'43"	23°42'13"	13°29'42"	4°20'29"	5°20	29°25'10"	9°41'08"	8°36'00"	2°53'24"	24°32'00"	W 25
T 26	8 20 33	5°50'05"	17°49'00"	2°43'17"	17°49'51"	27°07'27"	23°40'13"	13°31'41"	4°19'29"	5°19	29°25'10"	9°36'08"	8°32'00"	2°59'24"	24°35'00"	T 26
F 27	8 24 29	6°51'05"	0°11'00"	1°28'19"	19°00'55"	27°21'27"	23°37'13"	13°34'41"	4°18'29"	5°18	29°26'10"	9°34'08"	8°29'00"	3°06'24"	24°38'00"	F 27
S 28	8 28 26	7°52'05"	12°27'00"	0°18'20"	20°10'6"	27°35'27"	23°35'13"	13°36'41"	4°16'29"	5°16	29°27'10"	9°D34	8°26'00"	3°13'24"	24°40'00"	S 28
S 29	8 32 22	8°53'04"	25°13'29"	13°06'21"	21°20'6"	27°49'23"	23°32'13"	13°39'41"	4°15'29"	5°15	29°28'10"	9°35'08"	8°23'00"	3°20'24"	24°43'00"	S 29
M 30	8 36 19	9°54'03"	8°12'25"	28°16'22"	23°30'7"	27°31'28"	23°29'13"	13°41'41"	4°13'29"	5°13	29°30'10"	9°R35	8°20'00"	3°26'24"	24°46'00"	M 30
T 31	8 40 16	10°55'01"	22°17'04"	27°32'23"	23°11'41"	8°05'28"	28°17'23"	13°44'44"	4°12'29"	5°12	29°31'10"	9°17'35"	8°17'00"	3°33'24"	24°49'00"	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
S 1	23s 1	19s 1	2s 8	22s32	1s55	17s14	1s51	9n10	0n37	21s59	0s14	4n15	2n 5	22s13	0n 3	22n14	1s 6	15s 1	16s 1	22s 7	21s55	6n39	0n59	3n47			
M 2	22 56	21 12	0 58	22 9	1 50	16 50	1 50	9 22	0 38	21 56	0 14	4 15	2 5	22 13	0 3	22 14	1 6	15 0	16 1	22 7	21 55	6 36	1 0	3 47			
T 3	22 51	22 14	0n16	21 45	1 44	16 26	1 49	9 35	0 39	21 54	0 14	4 15	2 6	22 13	0 3	22 14	1 6	15 0	16 0	22 7	21 54	6 34	1 0	3 47			
W 4	22 45	21 53	1 32	21 20	1 37	16 2	1 48	9 47	0 40	21 52	0 14	4 16	2 6	22 14	0 3	22 14	1 6	14 59	16 0	22 7	21 54	6 31	1 0	3 47			
T 5	22 39	20 4	2 44	20 55	1 29	15 37	1 47	9 59	0 42	21 50	0 14	4 16	2 6	22 14	0 3	22 14	1 6	14 59	16 0	22 7	21 53	6 29	1 1	3 46			
F 6	22 32	16 54	3 46	20 28	1 20	15 12	1 45	10 11	0 43	21 48	0 14	4 16	2 7	22 15	0 3	22 14	1 6	14 58	15 59	22 6	21 53	6 27	1 1	3 46			
S 7	22 25	12 37	4 34	20 1	1 11	14 46	1 44	10 24	0 44	21 46	0 14	4 17	2 7	22 15	0 3	22 14	1 6	14 58	15 59	22 5	21 52	6 24	1 2	3 46			
S 8	22 17	7 34	5 2	19 34	1 0	14 20	1 42	10 36	0 45	21 43	0 14	4 17	2 7	22 16	0 3	22 14	1 6	14 57	15 59	22 4	21 52	6 22	1 2	3 46			
M 9	22 9	2 8	5 10	19 6	0 48	13 53	1 41	10 48	0 46	21 41	0 15	4 18	2 7	22 16	0 3	22 14	1 6	14 56	15 58	22 4	21 51	6 19	1 3	3 45			
T 10	22 0	3n19	4 59	18 39	0 35	13 27	1 39	11 0	0 47	21 39	0 15	4 18	2 8	22 16	0 3	22 14	1 6	14 56	15 58	22 3	21 51	6 17	1 3	3 45			
W 11	21 51	8 29	4 29	18 13	0 21	13 0	1 37	11 13	0 48	21 37	0 15	4 19	2 8	22 17	0 3	22 15	1 6	14 55	15 58	22 3	21 50	6 14	1 4	3 45			
T 12	21 42	13 5	3 43	17 47	0 7	12 32	1 35	11 25	0 49	21 34	0 15	4 19	2 8	22 17	0 3	22 15	1 6	14 55	15 57	22 3	21 50	6 12	1 4	3 45			
F 13	21 32	16 55	2 47	17 23	0n 9	12 4	1 33	11 37	0 50	21 32	0 15	4 20	2 8	22 18	0 3	22 15	1 6	14 54	15 57	22 3	21 50	6 9	1 5	3 44			
S 14	21 22	19 47	1 42	17 1	0 26	11 36	1 31	11 49	0 51	21 29	0 15	4 21	2 9	22 18	0 3	22 15	1 6	14 54	15 57	22 3	21 49	6 7	1 6	3 44			
S 15	21 11	21 35	0 34	16 40	0 44	11 8	1 29	12 2	0 52	21 27	0 15	4 21	2 9	22 18	0 3	22 15	1 6	14 53	15 56	22 3	21 49	6 4	1 6	3 44			
M 16	21 0	22 14	0s34	16 22	1 2	10 39	1 26	12 14	0 53	21 25	0 15	4 22	2 9	22 19	0 3	22 15	1 6	14 53	15 56	22 3	21 48	6 2	1 7	3 44			
T 17	20 49	21 46	1 40	16 7	1 20	10 11	1 24	12 26	0 54	21 22	0 15	4 23	2 9	22 19	0 3	22 15	1 6	14 52	15 56	22 3	21 48	5 59	1 7	3 44			
W 18	20 37	20 14	2 40	15 55	1 39	9 42	1 21	12 38	0 55	21 20	0 15	4 24	2 10	22 20	0 3	22 15	1 6	14 51	15 55	22 2	21 47	5 57	1 8	3 43			
T 19	20 25	17 47	3 32	15 46	1 57	9 12	1 19	12 50	0 56	21 17	0 15	4 25	2 10	22 20	0 3	22 15	1 6	14 51	15 55	22 1	21 47	5 55	1 9	3 43			
F 20	20 12	14 36	4 14	15 40	2 15	8 43	1 16	13 2	0 57	21 15	0 16	4 26	2 10	22 20	0 3	22 15	1 6	14 50	15 55	22 0	21 46	5 52	1 10	3 43			
S 21	19 59	10 51	4 44	15 38	2 32	8 13	1 13	13 15	0 57	21 12	0 16	4 27	2 11	22 21	0 3	22 15	1 6	14 49	15 55	21 59	21 46	5 50	1 10	3 43			
S 22	19 46	6 42	5 1	15 39	2 47	7 43	1 10	13 27	0 58	21 10	0 16	4 28	2 11	22 21	0 3	22 15	1 6	14 49	15 54	21 57	21 45	5 47	1 11	3 42			
M 23	19 32	2 20	5 5	15 43	3 1	7 13	1 7	13 39	0 59	21 7	0 16	4 29	2 11	22 21	0 3	22 15	1 6	14 48	15 54	21 56	21 45	5 45	1 12	3 42			
T 24	19 18	2s 7	4 56	15 50	3 12	6 43	1 4	13 51	1 0	21 5	0 16	4 30	2 11	22 22	0 3	22 16	1 6	14 48	15 54	21 55	21 44	5 42	1 13	3 42			
W 25	19 3	6 31	4 35	15 59	3 22	6 12	1 1	14 2	1 1	21 2	0 16	4 31	2 12	22 22	0 2	22 16	1 6	14 47	15 53	21 54	21 44	5 40	1 14	3 42			
T 26	18 48	10 42	4 1	16 10	3 28	5 42	0 58	14 14	1 1	20 59	0 16	4 32	2 12	22 22	0 2	22 16	1 6	14 46	15 53	21 53	21 43	5 37	1 14	3 42			
F 27	18 33	14 31	3 15	16 22	3 33	5 11	0 54	14 26	1 2	20 57	0 16	4 33	2 12	22 23	0 2	22 16	1 6	14 46	15 53	21 53	21 43	5 35	1 15	3 41			
S 28	18 18	17 47	2 20	16 35	3 34	4 40	0 51	14 38	1 3	20 54	0 16	4 34	2 12	22 23	0 2	22 16	1 6	14 45	15 53	21 53	21 42	5 32	1 16	3 41			
S 29	18 2	20 18	1 16	16 49	3 34	4 9	0 47	14 50	1 3	20 51	0 16	4 36	2 13	22 23	0 2	22 16	1 6	14 44	15 52	21 53	21 42	5 30	1 17	3 41			
M 30	17 46	21 48	0 6	17 3	3 31	3 38	0 44	15 1	1 4	20 49	0 17	4 37	2 13	22 24	0 2	22 16	1 6	14 44	15 52	21 53	21 41	5 27	1 18	3 41			
T 31	17s29	22s 6	1n 6	17s18	3n26	3s 7	0s40	15n13	1n 5	20s46	0s17	4n38	2n13	22s24	0n 2	22n16	1s 6	14s43	15s52	21s53	21s41	5n25	1n19	3n41			

ASTRODIENST EPHEMERIS for the year 2068

geocentric

MARCH 2068

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 38 32	11°13'49	29°31	17°23	27°14	25°35	4°59	21°R29	14°35	3°R45	0°Y 9	6°R27	6°41	6°55	26°25	T 1
F 2	10 42 29	12°14'04	13°54	18°46	28°18	26°11	5°12	21°M25	14°36	3°45	0°11	6°18	6°38	7° 1	26°28	F 2
S 3	10 46 25	13°14'17	29° 6	20°10	29°21	26°47	5°25	21°20	14°37	3°45	0°12	6° 8	6°35	7° 8	26°32	S 3
S 4	10 50 22	14°14'29	14°27	21°36	08°23	27°23	5°37	21°15	14°37	3°44	0°14	5°56	6°32	7°15	26°35	S 4
M 5	10 54 18	15°14'39	29°45	23° 3	1°25	27°59	5°50	21°10	14°38	3°44	0°15	5°45	6°28	7°22	26°39	M 5
T 6	10 58 15	16°14'46	14°Y49	24°31	2°27	28°35	6° 2	21° 6	14°39	3°44	0°16	5°36	6°25	7°28	26°42	T 6
W 7	11 2 12	17°14'52	29°29	26° 1	3°29	29°11	6°14	21° 1	14°39	3°43	0°18	5°29	6°22	7°35	26°46	W 7
T 8	11 6 8	18°14'56	13°842	27°32	4°30	29°47	6°27	20°56	14°40	3°43	0°19	5°25	6°19	7°42	26°50	T 8
F 9	11 10 5	19°14'57	27°24	29° 3	5°30	0°II23	6°39	20°51	14°41	3°43	0°21	5°24	6°16	7°48	26°53	F 9
S 10	11 14 1	20°14'57	10°II38	0°X37	6°31	0°59	6°51	20°47	14°41	3°43	0°22	5°D23	6°13	7°55	26°57	S 10
S 11	11 17 58	21°14'54	23°28	2°11	7°31	1°36	7° 3	20°42	14°42	3°43	0°24	5°R24	6° 9	8° 2	27° 0	S 11
M12	11 21 54	22°14'49	5°57	3°46	8°30	2°12	7°15	20°37	14°42	3°43	0°25	5°23	6° 6	8° 9	27° 4	M12
T 13	11 25 51	23°14'42	18°11	5°23	9°29	2°48	7°27	20°32	14°42	3°43	0°27	5°20	6° 3	8°15	27° 7	T 13
W14	11 29 47	24°14'33	0°Ω13	7° 0	10°27	3°24	7°39	20°28	14°43	3°D43	0°28	5°15	6° 0	8°22	27°11	W14
T 15	11 33 44	25°14'21	12° 9	8°39	11°25	4° 1	7°50	20°23	14°43	3°43	0°30	5° 6	5°57	8°29	27°15	T 15
F 16	11 37 41	26°14'07	24° 2	10°19	12°23	4°37	8° 2	20°18	14°43	3°43	0°31	4°56	5°54	8°36	27°18	F 16
S 17	11 41 37	27°13'51	5°M54	12° 1	13°20	5°14	8°13	20°13	14°43	3°43	0°33	4°44	5°50	8°42	27°22	S 17
S 18	11 45 34	28°13'33	17°47	13°43	14°16	5°50	8°25	20° 9	14°43	3°43	0°34	4°31	5°47	8°49	27°25	S 18
M19	11 49 30	29°13'13	29°42	15°27	15°12	6°26	8°36	20° 4	14°R43	3°43	0°36	4°18	5°44	8°56	27°29	M19
T 20	11 53 27	0°Y12'51	11°42	17°12	16° 7	7° 3	8°48	19°59	14°43	3°43	0°37	4° 7	5°41	9° 2	27°33	T 20
W21	11 57 23	1°12'27	23°47	18°58	17° 1	7°39	8°59	19°55	14°43	3°43	0°39	3°58	5°38	9° 9	27°36	W21
T 22	12 1 20	2°12'01	5°M58	20°45	17°55	8°16	9°10	19°50	14°43	3°44	0°41	3°52	5°34	9°16	27°40	T 22
F 23	12 5 16	3°11'34	18°19	22°34	18°49	8°52	9°21	19°45	14°43	3°44	0°42	3°48	5°31	9°23	27°43	F 23
S 24	12 9 13	4°11'04	0°X51	24°24	19°41	9°29	9°32	19°41	14°42	3°44	0°44	3°D47	5°28	9°29	27°47	S 24
S 25	12 13 9	5°10'33	13°37	26°15	20°33	10° 5	9°43	19°36	14°42	3°45	0°45	3°47	5°25	9°36	27°51	S 25
M26	12 17 6	6°10'00	26°42	28° 8	21°25	10°42	9°53	19°32	14°42	3°45	0°47	3°48	5°22	9°43	27°54	M26
T 27	12 21 3	7° 9'25	10°37	0°Y 2	22°15	11°18	10° 4	19°27	14°41	3°45	0°48	3°R48	5°19	9°50	27°58	T 27
W28	12 24 59	8° 8'49	23°56	1°57	23° 5	11°55	10°15	19°23	14°41	3°46	0°50	3°47	5°15	9°56	28° 1	W28
T 29	12 28 56	9° 8'10	8°X 9	3°53	23°54	12°32	10°25	19°19	14°40	3°46	0°51	3°44	5°12	10° 3	28° 5	T 29
F 30	12 32 52	10° 7'30	22°46	5°51	24°42	13° 8	10°35	19°14	14°40	3°47	0°53	3°38	5° 9	10°10	28° 8	F 30
S 31	12 36 49	11°Y 6'48	7°X41	7°Y50	25°X29	13°II45	10°X46	19°M10	14°X39	3°48	0°Y54	3°X31	5°X 6	10°M16	28°X12	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	7s21	16s27	3n59	16s56	1s23	12n 4	1n42	20n25	1n18	19s20	0s20	5n29	2n18	22s30	0n 2	22n18
F 2	6 58	12 12	4 38	16 37	1 29	12 32	1 47	20 34	1 18	19 17	0 20	5 31	2 18	22 30	0 2	22 18
S 3	6 35	7 7	4 58	16 15	1 35	13 0	1 53	20 42	1 19	19 14	0 20	5 33	2 18	22 30	0 2	22 18
S 4	6 12	1 33	4 57	15 53	1 40	13 27	1 58	20 51	1 19	19 11	0 20	5 35	2 19	22 30	0 2	22 18
M 5	5 49	4n 6	4 35	15 29	1 45	13 54	2 4	20 59	1 19	19 8	0 21	5 37	2 19	22 31	0 2	22 18
T 6	5 25	9 25	3 54	15 4	1 50	14 21	2 9	21 8	1 19	19 5	0 21	5 39	2 19	22 31	0 2	22 18
W 7	5 2	14 3	2 58	14 38	1 54	14 47	2 15	21 16	1 20	19 3	0 21	5 41	2 19	22 31	0 2	22 18
T 8	4 39	17 44	1 52	14 11	1 58	15 13	2 20	21 24	1 20	19 0	0 21	5 43	2 19	22 31	0 2	22 18
F 9	4 15	20 15	0 42	13 42	2 2	15 39	2 26	21 32	1 20	18 57	0 21	5 45	2 19	22 31	0 2	22 18
S 10	3 52	21 34	0s28	13 12	2 5	16 4	2 32	21 40	1 20	18 54	0 21	5 47	2 19	22 31	0 2	22 18
S 11	3 28	21 42	1 34	12 41	2 8	16 29	2 37	21 47	1 21	18 51	0 21	5 49	2 19	22 31	0 2	22 19
M12	3 4	20 43	2 34	12 8	2 10	16 54	2 43	21 55	1 21	18 48	0 22	5 51	2 19	22 31	0 2	22 19
T 13	2 41	18 47	3 26	11 35	2 12	17 18	2 48	22 2	1 21	18 45	0 22	5 53	2 19	22 31	0 2	22 19
W14	2 17	16 3	4 8	11 0	2 13	17 42	2 54	22 9	1 21	18 42	0 22	5 55	2 19	22 31	0 2	22 19
T 15	1 53	12 41	4 38	10 24	2 14	18 6	2 59	22 16	1 21	18 39	0 22	5 57	2 19	22 31	0 2	22 19
F 16	1 30	8 50	4 56	9 46	2 15	18 29	3 5	22 23	1 22	18 36	0 22	5 59	2 19	22 31	0 2	22 19
S 17	1 6	4 40	5 2	9 8	2 15	18 51	3 10	22 30	1 22	18 34	0 22	6 0	2 19	22 31	0 2	22 19
S 18	0 42	0 19	4 54	8 28	2 15	19 14	3 16	22 37	1 22	18 31	0 22	6 2	2 19	22 31	0 2	22 19
M19	0 19	4s 3	4 33	7 47	2 14	19 36	3 21	22 43	1 22	18 28	0 23	6 4	2 19	22 31	0 2	22 19
T 20	0n 5	8 18	4 0	7 5	2 13	19 57	3 27	22 50	1 22	18 25	0 23	6 6	2 19	22 31	0 2	22 19
W21	0 29	12 16	3 16	6 22	2 11	20 18	3 32	22 56	1 22	18 22	0 23	6 8	2 19	22 31	0 2	22 19
T 22	0 52	15 45	2 23	5 38	2 9	20 39	3 37	23 2	1 22	18 20	0 23	6 10	2 19	22 31	0 2	22 19
F 23	1 16	18 35	1 22	4 53	2 6	20 59	3 43	23 8	1 23	18 17	0 23	6 11	2 19	22 31	0 2	22 19
S 24	1 40	20 34	0 16	4 6	2 3	21 18	3 48	23 13	1 23	18 14	0 23	6 13	2 19	22 31	0 2	22 19
S 25	2 3	21 33	0n52	3 19	1 59	21 38	3 53	23 19	1 23	18 11	0 23	6 15	2 19	22 31	0 2	22 19
M26	2 27	21 24	2 0	2 30	1 55	21 56	3 58	23 24	1 23	18 9	0 24	6 17	2 19	22 31	0 2	22 19
T 27	2 50	20 1	3 2	1 40	1 50	22 15	4 3	23 30	1 23	18 6	0 24	6 18	2 19	22 31	0 2	22 19
W28	3 14	17 27	3 56	0 50	1 45	22 32	4 9	23 35	1 23	18 3	0 24	6 20	2 19	22 31	0 2	22 19
T 29	3 37	13 46	4 36	0n 2	1 39	22 50	4 13	23 40	1 23	18 0	0 24	6 22	2 19	22 31	0 2	22 19
F 30	4 1	9 11	5 1	0 54	1 33	23 7	4 18	23 45	1 23	17 58	0 24	6 24	2 19	22 31	0 2	22 19
S 31	4n24	3s58	5n 5	1n47	1s26	23n23	4n23	23n49	1n23	17s55	0s24	6n25	2n19	22s31	0n 2	22n19

Julian Day Number = 2476441.5, Delta T = 80.37 sec
 Ecliptic obliquity = 23°25'46, Nutation = 0°00'17, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°41'33, Lahiri = 24°48'34

ASTRODIENST EPHEMERIS for the year 2068

geocentric

APRIL 2068

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 40 45	12° 05'	22° 46'	9° 50'	26° 16'	14° 21'	10° 56'	19° 06'	14° 39'	3° 48'	0° 56'	3° 23'	5° 3'	10° 23'	28° 15'	S 1
M 2	12 44 42	13° 51'	7° 54'	11° 51'	27° 1'	14° 58'	11° 6'	19° 02'	14° 38'	3° 49'	0° 57'	3° 15'	5° 0'	10° 30'	28° 19'	M 2
T 3	12 48 38	14° 43'	22° 52'	13° 53'	27° 46'	15° 35'	11° 15'	18° 58'	14° 37'	3° 49'	0° 59'	3° 9'	4° 56'	10° 37'	28° 22'	T 3
W 4	12 52 35	15° 34'	7° 33'	15° 56'	28° 29'	16° 12'	11° 25'	18° 54'	14° 36'	3° 50'	1° 0'	3° 4'	4° 53'	10° 43'	28° 26'	W 4
T 5	12 56 32	16° 24'	21° 50'	18° 0'	29° 12'	16° 48'	11° 35'	18° 50'	14° 35'	3° 51'	1° 2'	3° 2'	4° 50'	10° 50'	28° 29'	T 5
F 6	13 0 28	17° 15'	5° 39'	20° 4'	29° 53'	17° 25'	11° 44'	18° 46'	14° 35'	3° 52'	1° 3'	3° D 1'	4° 47'	10° 57'	28° 33'	F 6
S 7	13 4 25	18° 05'	19° 1'	22° 9'	0° 34'	18° 2'	11° 54'	18° 42'	14° 34'	3° 52'	1° 4'	3° 2'	4° 44'	11° 3'	28° 36'	S 7
S 8	13 8 21	19° 0'00	1° 57'	24° 14'	1° 13'	18° 39'	12° 3'	18° 38'	14° 33'	3° 53'	1° 6'	3° 3'	4° 40'	11° 10'	28° 40'	S 8
M 9	13 12 18	19° 58'59	14° 31'	26° 19'	1° 51'	19° 15'	12° 12'	18° 34'	14° 32'	3° 54'	1° 7'	3° R 4'	4° 37'	11° 17'	28° 43'	M 9
T 10	13 16 14	20° 57'56	26° 47'	28° 23'	2° 27'	19° 52'	12° 21'	18° 31'	14° 30'	3° 55'	1° 9'	3° 4'	4° 34'	11° 24'	28° 47'	T 10
W 11	13 20 11	21° 56'50	8° 51'	0° 27'	3° 3'	20° 29'	12° 30'	18° 27'	14° 29'	3° 56'	1° 10'	3° 3'	4° 31'	11° 30'	28° 50'	W 11
T 12	13 24 7	22° 55'42	20° 47'	2° 30'	3° 37'	21° 6'	12° 39'	18° 23'	14° 28'	3° 57'	1° 12'	2° 59'	4° 28'	11° 37'	28° 53'	T 12
F 13	13 28 4	23° 54'32	2° 39'	4° 32'	4° 9'	21° 43'	12° 48'	18° 20'	14° 27'	3° 58'	1° 13'	2° 54'	4° 25'	11° 44'	28° 57'	F 13
S 14	13 32 1	24° 53'20	14° 31'	6° 32'	4° 40'	22° 20'	12° 56'	18° 17'	14° 26'	3° 59'	1° 15'	2° 48'	4° 21'	11° 51'	29° 0'	S 14
S 15	13 35 57	25° 52'05	26° 25'	8° 30'	5° 10'	22° 56'	13° 5'	18° 13'	14° 24'	4° 0'	1° 16'	2° 41'	4° 18'	11° 57'	29° 3'	S 15
M 16	13 39 54	26° 50'49	8° 26'	10° 26'	5° 38'	23° 33'	13° 13'	18° 10'	14° 23'	4° 1'	1° 17'	2° 34'	4° 15'	12° 4'	29° 6'	M 16
T 17	13 43 50	27° 49'30	20° 33'	12° 19'	6° 4'	24° 10'	13° 21'	18° 7'	14° 22'	4° 2'	1° 19'	2° 28'	4° 12'	12° 11'	29° 10'	T 17
W 18	13 47 47	28° 48'09	2° 49'	14° 9'	6° 29'	24° 47'	13° 29'	18° 4'	14° 20'	4° 3'	1° 20'	2° 24'	4° 9'	12° 17'	29° 13'	W 18
T 19	13 51 43	29° 46'47	15° 15'	15° 56'	6° 52'	25° 24'	13° 37'	18° 1'	14° 19'	4° 4'	1° 21'	2° 21'	4° 5'	12° 24'	29° 16'	T 19
F 20	13 55 40	0° 45'22	27° 51'	17° 39'	7° 13'	26° 1'	13° 45'	17° 58'	14° 17'	4° 5'	1° 23'	2° D 20'	4° 2'	12° 31'	29° 19'	F 20
S 21	13 59 36	1° 43'56	10° 39'	19° 19'	7° 32'	26° 38'	13° 52'	17° 55'	14° 16'	4° 7'	1° 24'	2° 20'	3° 59'	12° 38'	29° 23'	S 21
S 22	14 3 33	2° 42'28	23° 41'	20° 54'	7° 50'	27° 15'	14° 0'	17° 53'	14° 14'	4° 8'	1° 25'	2° 21'	3° 56'	12° 44'	29° 26'	S 22
M 23	14 7 29	3° 40'59	6° 35'	22° 25'	8° 5'	27° 51'	14° 7'	17° 50'	14° 12'	4° 9'	1° 27'	2° 23'	3° 53'	12° 51'	29° 29'	M 23
T 24	14 11 26	4° 39'27	20° 28'	23° 53'	8° 18'	28° 28'	14° 14'	17° 48'	14° 11'	4° 10'	1° 28'	2° 24'	3° 50'	12° 58'	29° 32'	T 24
W 25	14 15 23	5° 37'55	4° 16'	25° 15'	8° 29'	29° 5'	14° 21'	17° 45'	14° 9'	4° 12'	1° 29'	2° R 25'	3° 46'	13° 4'	29° 35'	W 25
T 26	14 19 19	6° 36'20	18° 22'	26° 33'	8° 38'	29° 42'	14° 28'	17° 43'	14° 7'	4° 13'	1° 31'	2° 24'	3° 43'	13° 11'	29° 38'	T 26
F 27	14 23 16	7° 34'44	2° 42'	27° 46'	8° 45'	0° 56'	14° 35'	17° 41'	14° 5'	4° 14'	1° 32'	2° 23'	3° 40'	13° 18'	29° 41'	F 27
S 28	14 27 12	8° 33'07	17° 16'	28° 55'	8° 50'	0° 56'	14° 42'	17° 38'	14° 3'	4° 16'	1° 33'	2° 20'	3° 37'	13° 25'	29° 44'	S 28
S 29	14 31 9	9° 31'27	1° 57'	29° 58'	8° R 52'	1° 33'	14° 48'	17° 36'	14° 2'	4° 17'	1° 35'	2° 17'	3° 34'	13° 31'	29° 47'	S 29
M 30	14 35 5	10° 29'47	16° 40'	0° 57'	8° II 52'	2° 10'	14° 54'	17° 34'	14° 0'	4° 19'	1° 36'	2° 14'	3° 31'	13° 38'	29° 50'	M 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	4n47	1n33	4n49	2n41	1s19	23n39	4n28	23n54	1n23	17s53	0s25	6n27	2n19	22s31	0n 2	22n19	1s 3	14s 4	15s46	20s49	21s 8	2n55	2n35	3n34			
M 2	5 10	7 0	4 12	3 36	1 11	23 54	4 32	23 58	1 23	17 50	0 25	6 28	2 19	22 31	0 2	22 19	1 3	14 4	15 46	20 48	21 7	2 53	2 36	3 34			
T 3	5 33	11 58	3 19	4 31	1 3	24 9	4 37	24 2	1 24	17 47	0 25	6 30	2 19	22 31	0 2	22 19	1 3	14 3	15 46	20 47	21 7	2 51	2 38	3 34			
W 4	5 56	16 7	2 13	5 26	0 54	24 23	4 41	24 6	1 24	17 45	0 25	6 31	2 19	22 31	0 2	22 19	1 3	14 3	15 46	20 46	21 6	2 48	2 39	3 34			
T 5	6 19	19 11	1 0	6 22	0 45	24 37	4 46	24 10	1 24	17 42	0 25	6 33	2 19	22 30	0 2	22 19	1 3	14 2	15 46	20 45	21 6	2 46	2 40	3 34			
F 6	6 41	21 0	0s14	7 18	0 35	24 50	4 50	24 13	1 24	17 40	0 25	6 34	2 19	22 30	0 2	22 19	1 3	14 2	15 46	20 45	21 5	2 43	2 42	3 34			
S 7	7 4	21 33	1 25	8 14	0 25	25 3	4 54	24 17	1 24	17 37	0 26	6 36	2 19	22 30	0 2	22 19	1 3	14 1	15 47	20 45	21 4	2 41	2 43	3 34			
S 8	7 26	20 55	2 30	9 10	0 15	25 15	4 58	24 20	1 24	17 35	0 26	6 37	2 19	22 30	0 2	22 19	1 3	14 1	15 47	20 46	21 4	2 38	2 44	3 34			
M 9	7 49	19 14	3 25	10 5	0 4	25 26	5 1	24 23	1 24	17 33	0 26	6 39	2 19	22 30	0 2	22 19	1 3	14 0	15 47	20 46	21 3	2 36	2 46	3 34			
T 10	8 11	16 42	4 10	11 0	0n 7	25 37	5 5	24 26	1 24	17 30	0 26	6 40	2 19	22 30	0 2	22 19	1 3	14 0	15 47	20 46	21 3	2 34	2 47	3 34			
W 11	8 33	13 29	4 43	11 54	0 18	25 48	5 8	24 29	1 24	17 28	0 26	6 41	2 18	22 30	0 2	22 20	1 3	13 59	15 47	20 45	21 2	2 31	2 48	3 34			
T 12	8 55	9 46	5 3	12 47	0 29	25 58	5 12	24 31	1 24	17 26	0 26	6 43	2 18	22 30	0 2	22 20	1 3	13 59	15 47	20 45	21 1	2 29	2 50	3 34			
F 13	9 16	5 42	5 10	13 39	0 40	26 7	5 15	24 34	1 24	17 23	0 27	6 44	2 18	22 30	0 2	22 20	1 3	13 59	15 47	20 44	21 1	2 26	2 51	3 34			
S 14	9 38	1 26	5 3	14 30	0 51	26 16	5 17	24 36	1 24	17 21	0 27	6 45	2 18	22 29	0 2	22 20	1 3	13 58	15 47	20 43	21 0	2 24	2 53	3 34			
S 15	9 59	2s55	4 44	15 19	1 2	26 24	5 20	24 38	1 24	17 19	0 27	6 46	2 18	22 29	0 2	22 20	1 3	13 58	15 48	20 41	21 0	2 21	2 54	3 34			
M 16	10 21	7 12	4 12	16 6	1 13	26 31	5 23	24 40	1 24	17 17	0 27	6 47	2 18	22 29	0 2	22 20	1 3	13 57	15 48	20 40	20 59	2 19	2 55	3 34			
T 17	10 42	11 14	3 28	16 51	1 24	26 38	5 25	24 42	1 24	17 15	0 27	6 49	2 18	22 29	0 2	22 20	1 3	13 57	15 48	20 39	20 59	2 17	2 56	3 34			
W 18	11 3	14 51	2 34	17 34	1 34	26 45	5 27	24 43	1 24	17 12	0 28	6 50	2 18	22 29	0 2	22 20	1 2	13 57	15 48	20 38	20 58	2 14	2 58	3 34			
T 19	11 23	17 52	1 32	18 15	1 43	26 50	5 28	24 45	1 24	17 10	0 28	6 51	2 18	22 29	0 2	22 20	1 2	13 56	15 48	20 37	20 57	2 12	2 59	3 34			
F 20	11 44	20 4	0 24	18 53	1 53	26 55	5 30	24 46	1 24	17 8	0 28	6 52	2 17	22 28	0 2	22 20	1 2	13 56	15 48	20 37	20 57	2 9	3 0	3 34			
S 21	12 4	21 17	0n45	19 29	2 1	27 0	5 31	24 47	1 24	17 6	0 28	6 53	2 17	22 28	0 2	22 20	1 2	13 55	15 49	20 37	20 56	2 7	3 2	3 34			
S 22	12 24	21 23	1 54	20 3	2 9	27 3	5 32	24 48	1 24	17 4	0 28	6 54	2 17	22 28	0 2	22 20	1 2	13 55	15 49	20 37	20 56	2 4	3 3	3 34			
M 23	12 44	20 17	2 58	20 34	2 16	27 6	5 32	24 48	1 24	17 2	0 28	6 55	2 17	22 28	0 2	22 20	1 2	13 55	15 49	20 38	20 55	2 2	3 4	3 34			
T 24	13 4	18 1	3 54	21 2	2 23	27 9	5 32	24 49	1 24	17 0	0 29	6 55	2 17	22 28	0 2	22 20	1 2	13 54	15 49	20 38	20 54	2 0	3 6	3 34			
W 25	13 24	14 42	4 37	21 28	2 28	27 10	5 32	24 49	1 24	16 59	0 29	6 56	2 17	22 28	0 2	22 20	1 2	13 54	15 49	20 38	20 54	1 57	3 7	3 34			
T 26	13 43	10 29	5 5	21 51	2 33	27 11	5 31	24 49	1 24	16 57	0 29	6 57	2 17	22 27	0 2	22 20	1 2	13 54	15 50	20 38	20 53	1 55	3 8	3 35			
F 27	14 2	5 37	5 14	22 12	2 37	27 11	5 30	24 49	1 24	16 55	0 29	6 58	2 17	22 27	0 2	22 20	1 2	13 53	15 50	20 38	20 53	1 52	3 9	3 35			
S 28	14 21	0 22	5 3	22 30	2 40	27 10	5 29	24 49	1 24	16 53	0 29	6 58	2 16	22 27	0 2	22 20	1 2	13 53	15 50	20 37	20 52	1 50	3 11	3 35			
S 29	14 39	4n57	4 33	22 46	2 41	27 9	5 27	24 49	1 24	16 52	0 30	6 59	2 16	22 27	0 2	22 20	1 2	13 53	15 50	20 37	20 51	1 48	3 12	3 35			
M 30	14n58	10n 0	3n45	22n59	2n42	27n 6	5n24	24n48	1n23	16s50	0s30	7n 0	2n16	22s27	0n 2	22n20	1s 2	13s53	15s51	20s36	20s51	1n45	3n13	3n35			

ASTRODIENST EPHEMERIS for the year 2068

geocentric

MAY 2068

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	14 39 2	118°28'04	18°17	111°51	8°R49	2°47	15°00	17°R33	13°R58	4°20	1°V37	2°R12	3°27	13°45	29°53	T 1
W 2	14 42 58	12°26'20	15°42	2°39	8°II45	3°24	15° 6	17°31	13°56	4°22	1°38	2°10	3°24	13°52	29°56	W 2
T 3	14 46 55	13°24'35	29°49	3°22	8°37	4° 1	15°12	17°29	13°54	4°23	1°39	2°D 9	3°21	13°58	29°58	T 3
F 4	14 50 52	14°22'47	13°II35	4° 0	8°27	4°38	15°18	17°28	13°52	4°25	1°41	2°10	3°18	14° 5	0°V 1	F 4
S 5	14 54 48	15°20'58	26°57	4°33	8°15	5°15	15°23	17°26	13°50	4°26	1°42	2°10	3°15	14°12	0° 4	S 5
S 6	14 58 45	16°19'06	9°56	5° 1	8° 1	5°52	15°29	17°25	13°48	4°28	1°43	2°12	3°11	14°18	0° 7	S 6
M 7	15 2 41	17°17'13	22°34	5°23	7°43	6°29	15°34	17°23	13°46	4°30	1°44	2°13	3° 8	14°25	0° 9	M 7
T 8	15 6 38	18°15'18	4°54	5°40	7°24	7° 6	15°39	17°22	13°43	4°31	1°45	2°14	3° 5	14°32	0°12	T 8
W 9	15 10 34	19°13'21	17° 1	5°51	7° 2	7°43	15°44	17°21	13°41	4°33	1°46	2°R14	3° 2	14°39	0°15	W 9
T 10	15 14 31	20°11'22	28°59	5°58	6°38	8°20	15°48	17°20	13°39	4°35	1°47	2°14	2°59	14°45	0°17	T 10
F 11	15 18 27	21° 9'21	10°52	5°R59	6°12	8°57	15°53	17°19	13°37	4°36	1°48	2°13	2°56	14°52	0°20	F 11
S 12	15 22 24	22° 7'18	22°45	5°56	5°44	9°34	15°57	17°19	13°35	4°38	1°49	2°12	2°52	14°59	0°22	S 12
S 13	15 26 21	23° 5'13	4°42	5°47	5°14	10°11	16° 1	17°18	13°32	4°40	1°50	2°11	2°49	15° 5	0°25	S 13
M14	15 30 17	24° 3'07	16°46	5°34	4°43	10°48	16° 5	17°17	13°30	4°42	1°52	2°10	2°46	15°12	0°27	M14
T 15	15 34 14	25° 0'59	29° 2	5°17	4°10	11°25	16° 9	17°17	13°28	4°43	1°53	2° 9	2°43	15°19	0°29	T 15
W16	15 38 10	25°58'50	11°29	4°56	3°35	12° 2	16°12	17°17	13°25	4°45	1°53	2° 8	2°40	15°26	0°32	W16
T 17	15 42 7	26°56'39	24°11	4°32	2°59	12°40	16°16	17°16	13°23	4°47	1°54	2° 8	2°37	15°32	0°34	T 17
F 18	15 46 3	27°54'26	7°17	4° 4	2°23	13°17	16°19	17°16	13°21	4°49	1°55	2°D 8	2°33	15°39	0°36	F 18
S 19	15 50 0	28°52'12	20°17	3°34	1°46	13°54	16°22	17°D16	13°18	4°51	1°56	2° 8	2°30	15°46	0°39	S 19
S 20	15 53 56	29°49'57	3°42	3° 2	1° 8	14°31	16°25	17°16	13°16	4°53	1°57	2° 8	2°27	15°52	0°41	S 20
M21	15 57 53	0°II47'41	17°19	2°28	0°30	15° 8	16°28	17°17	13°14	4°55	1°58	2° 9	2°24	15°59	0°43	M21
T 22	16 1 50	1°45'24	1° 9	1°54	29°52	15°45	16°30	17°17	13°11	4°56	1°59	2°R 9	2°21	16° 6	0°45	T 22
W23	16 5 46	2°43'05	15° 8	1°20	29°15	16°22	16°32	17°17	13° 9	4°58	2° 0	2° 9	2°17	16°13	0°47	W23
T 24	16 9 43	3°40'45	29°15	0°45	28°38	16°59	16°35	17°18	13° 6	5° 0	2° 1	2°D 9	2°14	16°19	0°49	T 24
F 25	16 13 39	4°38'25	13°29	0°12	28° 2	17°36	16°37	17°18	13° 4	5° 2	2° 2	2° 9	2°11	16°26	0°51	F 25
S 26	16 17 36	5°36'03	27°46	29°41	27°27	18°13	16°38	17°19	13° 2	5° 4	2° 2	2° 9	2° 8	16°33	0°53	S 26
S 27	16 21 32	6°33'41	12°V 5	29°11	26°53	18°50	16°40	17°20	12°59	5° 6	2° 3	2° 9	2° 5	16°40	0°55	S 27
M28	16 25 29	7°31'18	26°20	28°44	26°21	19°28	16°41	17°21	12°57	5° 8	2° 4	2°10	2° 2	16°46	0°57	M28
T 29	16 29 25	8°28'53	10°30	28°20	25°50	20° 5	16°42	17°22	12°54	5°10	2° 5	2°10	1°58	16°53	0°59	T 29
W30	16 33 22	9°26'28	24°29	27°59	25°21	20°42	16°43	17°23	12°52	5°12	2° 5	2°10	1°55	17° 0	1° 0	W30
T 31	16 37 19	10°II24'02	8°II15	27°42	24°54	21°19	16°44	17°24	12°51	5°14	2°V 6	2°R10	1°52	17° 6	1°V 2	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n16	14n27	2n42	23n10	2n42	27n 3	5n21	24n47	1n23	16s48	0s30	7n 0	2n16	22s26	0n 2	22n20
W 2	15 34	17 58	1 29	23 19	2 41	26 59	5 18	24 46	1 23	16 47	0 30	7 1	2 16	22 26	0 2	22 20
T 3	15 51	20 19	0 13	23 25	2 39	26 54	5 14	24 45	1 23	16 45	0 30	7 1	2 16	22 26	0 2	22 20
F 4	16 9	21 23	1 s 3	23 29	2 35	26 48	5 9	24 44	1 23	16 44	0 31	7 2	2 15	22 26	0 2	22 20
S 5	16 26	21 11	2 13	23 30	2 30	26 41	5 4	24 43	1 23	16 42	0 31	7 2	2 15	22 25	0 2	22 19
S 6	16 43	19 50	3 14	23 30	2 25	26 33	4 59	24 41	1 23	16 41	0 31	7 3	2 15	22 25	0 2	22 19
M 7	16 59	17 32	4 4	23 27	2 18	26 24	4 52	24 39	1 23	16 40	0 31	7 3	2 15	22 25	0 2	22 19
T 8	17 15	14 29	4 41	23 22	2 10	26 14	4 46	24 37	1 23	16 38	0 31	7 3	2 15	22 25	0 2	22 19
W 9	17 31	10 53	5 5	23 15	2 1	26 3	4 38	24 35	1 23	16 37	0 32	7 4	2 15	22 24	0 2	22 19
T 10	17 47	6 53	5 16	23 6	1 50	25 51	4 30	24 33	1 23	16 36	0 32	7 4	2 14	22 24	0 2	22 19
F 11	18 2	2 40	5 13	22 55	1 39	25 37	4 21	24 30	1 23	16 35	0 32	7 4	2 14	22 24	0 2	22 19
S 12	18 17	1s40	4 56	22 42	1 26	25 23	4 12	24 27	1 23	16 34	0 32	7 4	2 14	22 24	0 2	22 19
S 13	18 32	5 57	4 27	22 28	1 13	25 8	4 2	24 24	1 22	16 33	0 33	7 4	2 14	22 23	0 2	22 19
M14	18 47	10 4	3 46	22 11	0 59	24 52	3 52	24 21	1 22	16 32	0 33	7 4	2 14	22 23	0 2	22 19
T 15	19 1	13 49	2 53	21 53	0 43	24 35	3 41	24 18	1 22	16 31	0 33	7 4	2 14	22 23	0 2	22 19
W16	19 15	17 3	1 52	21 34	0 27	24 17	3 29	24 15	1 22	16 30	0 33	7 4	2 13	22 23	0 2	22 19
T 17	19 28	19 31	0 44	21 13	0 11	23 58	3 17	24 11	1 22	16 29	0 33	7 4	2 13	22 22	0 2	22 19
F 18	19 41	21 2	0n28	20 51	0s 6	23 39	3 5	24 8	1 22	16 28	0 34	7 4	2 13	22 22	0 2	22 19
S 19	19 54	21 26	1 39	20 28	0 24	23 19	2 52	24 4	1 22	16 28	0 34	7 4	2 13	22 22	0 2	22 19
S 20	20 6	20 36	2 46	20 5	0 41	22 58	2 39	24 0	1 22	16 27	0 34	7 4	2 13	22 21	0 2	22 19
M21	20 18	18 35	3 45	19 41	0 59	22 37	2 25	23 55	1 22	16 26	0 34	7 3	2 13	22 21	0 2	22 19
T 22	20 30	15 28	4 32	19 17	1 16	22 15	2 11	23 51	1 21	16 26	0 34	7 3	2 12	22 21	0 2	22 19
W23	20 42	11 27	5 3	18 54	1 33	21 53	1 57	23 46	1 21	16 25	0 35	7 3	2 12	22 21	0 1	22 19
T 24	20 53	6 47	5 17	18 30	1 50	21 31	1 43	23 42	1 21	16 25	0 35	7 3	2 12	22 20	0 1	22 19
F 25	21 3	1 42	5 11	18 8	2 6	21 9	1 29	23 37	1 21	16 25	0 35	7 2	2 12	22 20	0 1	22 19
S 26	21 14	3n29	4 46	17 46	2 22	20 47	1 14	23 32	1 21	16 24	0 35	7 2	2 12	22 20	0 1	22 19
S 27	21 24	8 30	4 3	17 26	2 36	20 26	1 0	23 26	1 21	16 24	0 36	7 1	2 11	22 19	0 1	22 19
M28	21 33	13 3	3 6	17 7	2 50	20 4	0 46	23 21	1 21	16 24	0 36	7 1	2 11	22 19	0 1	22 19
T 29	21 43	16 49	1 57	16 49	3 2	19 43	0 32	23 15	1 20	16 24	0 36	7 0	2 11	22 19	0 1	22 19
W30	21 51	19 34	0 42	16 33	3 14	19 23	0 18	23 10	1 20	16 24	0 36	7 0	2 11	22 18	0 1	22 19
T 31	22n 0	21n 7	0s34	16n20	3s24	19n 3	0n 4	23n 4	1n20	16s24	0s37	6n59	2n11	22s18	0n 1	22n18

Julian Day Number = 2476502.5, Delta T = 80.42 sec
 Ecliptic obliquity = 23°25'45, Nutation = 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°41'42, Lahiri = 24°48'42

ASTRODIENST EPHEMERIS for the year 2068

geocentric

JUNE 2068

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 41 15	11 ¹¹ 21'35	21 ¹¹ 45	27°R29	24°R29	21 ¹¹ 56	16 ¹¹ 45	17 ¹¹ 25	12°R47	5 ¹¹ 16	2°V 7	2°R10	1 ¹¹ 49	17 ¹¹ 13	1°V 4	F 1
S 2	16 45 12	12°19'06	4 ¹¹ 58	27 ¹¹ 19	24 ¹¹ 6	22°33	16°45	17°27	12 ¹¹ 44	5°19	2° 7	2 ¹¹ 9	1°46	17°20	1° 5	S 2
S 3	16 49 8	13°16'37	17°52	27°15	23°45	23°10	16°46	17°28	12°42	5°21	2° 8	2° 8	1°43	17°27	1° 7	S 3
M 4	16 53 5	14°14'06	0 ¹¹ 28	27°D14	23°27	23°48	16°R46	17°30	12°39	5°23	2° 9	2° 6	1°39	17°33	1° 9	M 4
T 5	16 57 1	15°11'34	12°49	27°18	23°11	24°25	16°45	17°32	12°37	5°25	2° 9	2° 5	1°36	17°40	1°10	T 5
W 6	17 0 58	16° 9'01	24°56	27°27	22°57	25° 2	16°45	17°33	12°34	5°27	2°10	2° 3	1°33	17°47	1°11	W 6
T 7	17 4 55	17° 6'27	6 ¹¹ 55	27°39	22°45	25°39	16°45	17°35	12°32	5°29	2°10	2° 2	1°30	17°53	1°13	T 7
F 8	17 8 51	18° 3'51	18°49	27°57	22°36	26°16	16°44	17°37	12°29	5°31	2°11	2°D 2	1°27	18° 0	1°14	F 8
S 9	17 12 48	19° 1'15	0 ¹¹ 42	28°19	22°30	26°54	16°43	17°39	12°27	5°33	2°11	2° 2	1°23	18° 7	1°15	S 9
S 10	17 16 44	19°58'37	12°40	28°45	22°25	27°31	16°42	17°42	12°24	5°36	2°12	2° 3	1°20	18°14	1°17	S 10
M11	17 20 41	20°55'58	24°47	29°15	22°D23	28° 8	16°41	17°44	12°22	5°38	2°12	2° 5	1°17	18°20	1°18	M11
T 12	17 24 37	21°53'19	7 ¹¹ 6	29°50	22°24	28°45	16°39	17°46	12°20	5°40	2°13	2° 6	1°14	18°27	1°19	T 12
W13	17 28 34	22°50'38	19°42	0 ¹¹ 29	22°27	29°22	16°37	17°49	12°17	5°42	2°13	2° 7	1°11	18°34	1°20	W13
T 14	17 32 30	23°47'57	2 ¹¹ 37	1°12	22°32	29°59	16°36	17°51	12°15	5°44	2°14	2°R 8	1° 8	18°40	1°21	T 14
F 15	17 36 27	24°45'15	15°51	1°59	22°39	0 ¹¹ 37	16°34	17°54	12°12	5°47	2°14	2° 7	1° 4	18°47	1°22	F 15
S 16	17 40 24	25°42'32	29°25	2°50	22°48	1°14	16°31	17°57	12°10	5°49	2°14	2° 5	1° 1	18°54	1°23	S 16
S 17	17 44 20	26°39'49	13 ¹¹ 16	3°45	23° 0	1°51	16°29	18° 0	12° 8	5°51	2°15	2° 3	0°58	19° 1	1°24	S 17
M18	17 48 17	27°37'05	27°21	4°44	23°13	2°29	16°26	18° 3	12° 5	5°53	2°15	1°59	0°55	19° 7	1°25	M18
T 19	17 52 13	28°34'21	11 ¹¹ 36	5°46	23°29	3° 6	16°24	18° 6	12° 3	5°55	2°15	1°56	0°52	19°14	1°26	T 19
W20	17 56 10	29°31'36	25°56	6°52	23°46	3°43	16°21	18° 9	12° 1	5°58	2°16	1°52	0°49	19°21	1°26	W20
T 21	18 0 6	0 ¹¹ 28'51	10 ¹¹ 16	8° 1	24° 5	4°20	16°17	18°12	11°58	6° 0	2°16	1°50	0°45	19°27	1°27	T 21
F 22	18 4 3	1°26'06	24°34	9°15	24°26	4°58	16°14	18°15	11°56	6° 2	2°16	1°49	0°42	19°34	1°28	F 22
S 23	18 7 59	2°23'21	8°V45	10°31	24°49	5°35	16°11	18°19	11°54	6° 4	2°16	1°D49	0°39	19°41	1°28	S 23
S 24	18 11 56	3°20'35	22°49	11°51	25°14	6°12	16° 7	18°22	11°51	6° 6	2°17	1°50	0°36	19°48	1°29	S 24
M25	18 15 53	4°17'50	6 ¹¹ 43	13°15	25°40	6°49	16° 3	18°26	11°49	6° 9	2°17	1°51	0°33	19°54	1°29	M25
T 26	18 19 49	5°15'05	20°27	14°42	26° 8	7°27	15°59	18°30	11°47	6°11	2°17	1°52	0°29	20° 1	1°30	T 26
W27	18 23 46	6°12'20	4 ¹¹ 0	16°12	26°37	8° 4	15°55	18°33	11°45	6°13	2°17	1°R53	0°26	20° 8	1°30	W27
T 28	18 27 42	7° 9'34	17°21	17°46	27° 8	8°41	15°50	18°37	11°43	6°15	2°17	1°52	0°23	20°14	1°30	T 28
F 29	18 31 39	8° 6'49	0 ¹¹ 30	19°22	27°40	9°19	15°46	18°41	11°40	6°18	2°17	1°49	0°20	20°21	1°31	F 29
S 30	18 35 35	9°54'03	13 ¹¹ 26	21 ¹¹ 2	28°V13	9°D56	15°41	18°V45	11°V38	6°520	2°V17	1°V45	0°V17	20°V28	1°V31	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
F 1	22n 8	21n24	1s46	16n 8	3s33	18n44	0s 9	22n58	1n20	16s24	0s37	6n58	2n11	22s18	0n 1	22n18	1s 1	13s49	16s 0	20s35	20s31	0n28	3n45	3n38	
S 2	22 16	20 29	2 52	15 58	3 41	18 26	0 22	22 51	1 20	16 24	0 37	6 57	2 10	22 18	0 1	22 18	1 1	13 49	16 0	20 35	20 30	0 26	3 46	3 38	
S 3	22 23	18 30	3 47	15 51	3 47	18 8	0 35	22 45	1 20	16 24	0 37	6 57	2 10	22 17	0 1	22 18	1 1	13 49	16 1	20 35	20 30	0 24	3 47	3 38	
M 4	22 30	15 39	4 29	15 45	3 53	17 51	0 48	22 38	1 20	16 24	0 37	6 56	2 10	22 17	0 1	22 18	1 1	13 49	16 1	20 34	20 29	0 21	3 47	3 38	
T 5	22 36	12 11	4 58	15 42	3 57	17 36	1 0	22 32	1 19	16 24	0 38	6 55	2 10	22 17	0 1	22 18	1 1	13 49	16 1	20 34	20 28	0 19	3 48	3 38	
W 6	22 43	8 16	5 13	15 41	4 0	17 21	1 11	22 25	1 19	16 25	0 38	6 54	2 10	22 16	0 1	22 18	1 1	13 49	16 2	20 34	20 28	0 17	3 49	3 38	
T 7	22 48	4 5	5 15	15 42	4 2	17 7	1 23	22 18	1 19	16 25	0 38	6 53	2 9	22 16	0 1	22 18	1 1	13 49	16 2	20 34	20 27	0 14	3 49	3 39	
F 8	22 54	0s13	5 2	15 45	4 3	16 54	1 33	22 11	1 19	16 26	0 38	6 52	2 9	22 16	0 1	22 18	1 1	13 50	16 2	20 34	20 26	0 12	3 50	3 39	
S 9	22 59	4 31	4 37	15 49	4 3	16 43	1 44	22 3	1 19	16 26	0 39	6 51	2 9	22 15	0 1	22 18	1 1	13 50	16 3	20 34	20 26	0 9	3 51	3 39	
S 10	23 3	8 41	4 0	15 56	4 2	16 32	1 54	21 56	1 19	16 27	0 39	6 50	2 9	22 15	0 1	22 18	1 1	13 50	16 3	20 34	20 25	0 7	3 51	3 39	
M11	23 7	12 34	3 12	16 5	4 0	16 22	2 3	21 48	1 18	16 27	0 39	6 49	2 9	22 15	0 1	22 18	1 1	13 50	16 4	20 34	20 25	0 5	3 52	3 39	
T 12	23 11	15 59	2 14	16 15	3 57	16 14	2 12	21 41	1 18	16 28	0 39	6 48	2 9	22 14	0 1	22 18	1 1	13 50	16 4	20 34	20 24	0 2	3 53	3 39	
W13	23 14	18 45	1 8	16 27	3 53	16 6	2 21	21 33	1 18	16 29	0 40	6 47	2 8	22 14	0 1	22 18	1 1	13 50	16 4	20 35	20 23	0s 0	3 53	3 39	
T 14	23 17	20 38	0n 3	16 40	3 48	15 59	2 29	21 25	1 18	16 29	0 40	6 46	2 8	22 14	0 1	22 18	1 1	13 51	16 5	20 35	20 23	0 2	3 54	3 39	
F 15	23 20	21 26	1 15	16 54	3 43	15 54	2 37	21 16	1 18	16 30	0 40	6 45	2 8	22 14	0 1	22 17	1 1	13 51	16 5	20 35	20 22	0 5	3 54	3 40	
S 16	23 22	21 1	2 24	17 10	3 37	15 49	2 44	21 8	1 17	16 31	0 40	6 43	2 8	22 13	0 1	22 17	1 1	13 51	16 5	20 34	20 21	0 7	3 55	3 40	
S 17	23 23	19 20	3 27	17 27	3 30	15 45	2 51	21 0	1 17	16 32	0 40	6 42	2 8	22 13	0 1	22 17	1 1	13 51	16 6	20 34	20 21	0 9	3 55	3 40	
M18	23 24	16 28	4 18	17 45	3 22	15 42	2 58	20 51	1 17	16 33	0 41	6 41	2 7	22 13	0 1	22 17	1 1	13 51	16 6	20 33	20 20	0 12	3 56	3 40	
T 19	23 25	12 35	4 54	18 4	3 14	15 40	3 4	20 42	1 17	16 34	0 41	6 39	2 7	22 12	0 1	22 17	1 1	13 52	16 6	20 32	20 19	0 14	3 56	3 40	
W20	23 26	7 59	5 11	18 24	3 6	15 38	3 10	20 33	1 17	16 35	0 41	6 38	2 7	22 12	0 1	22 17	1 1	13 52	16 7	20 32	20 19	0 17	3 56	3 40	
T 21	23 26	2 56	5 10	18 44	2 56	15 38	3 15	20 24	1 16	16 36	0 41	6 37	2 7	22 12	0 1	22 17	1 1	13 52	16 7	20 31	20 18	0 19	3 57	3 40	
F 22	23 25	2n16	4 49	19 5	2 47	15 38	3 20	20 15	1 16	16 38	0 42	6 35	2 7	22 11	0 1	22 17	1 1	13 52	16 8	20 31	20 17	0 21	3 57	3 41	
S 23	23 24	7 18	4 10	19 26	2 37	15 39	3 25	20 6	1 16	16 39	0 42	6 34	2 7	22 11	0 1	22 17	1 1	13 53	16 8	20 31	20 17	0 24	3 58	3 41	
S 24	23 23	11 55	3 17	19 47	2 26	15 41	3 29	19 56	1 16	16 40	0 42	6 32	2 6	22 11	0 1	22 17	1 1	13 53	16 8	20 31	20 16	0 26	3 58	3 41	
M25	23 22	15 51	2 13	20 9	2 15	15 43	3 33	19 47	1 16	16 42	0 42	6 31	2 6	22 11	0 1	22 17	1 1	13 53	16 9	20 31	20 15	0 28	3 58	3 41	
T 26	23 19	18 51	1 2	20 30	2 4	15 46	3 37	19 37	1 15	16 43	0 43	6 29	2 6	22 10	0 1	22 16	1 1	13 53	16 9	20 32	20 15	0 31	3 59	3 41	
W27	23 17	20 45	0s12	20 51	1 52	15 49	3 40	19 27	1 15	16 44	0 43	6 27	2 6	22 10	0 1	22 16	1 1	13 54	16 9	20 32	20 14	0 33	3 59	3 41	
T 28	23 14	21 27	1 23	21 12	1 40	15 53	3 43	19 17	1 15	16 46	0 43	6 26	2 6	22 10	0 1	22 16	1 1	13 54	16 10	20 32	20 13	0 35	3 59	3 41	
F 29	23 11	20 56	2 23	21 32	1 29	15 57	3 46	19 7	1 15	16 47	0 43	6 24	2 6	22 9	0 1	22 16	1 1	13 54	16 10	20 31	20 13	0 38	3 59	3 42	
S 30	23n 7	19n19	3s27	21n51	1s16	16n 2	3s49	18n57	1n15	16s49	0s43	6n22	2n 6	22s 9	0n 1	22n16	1s 1	13s55	16s11	20s30	20s12	0s40	3n59	3n42	

ASTRODIENST EPHEMERIS for the year 2068
geocentric

JULY 2068

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 39 32	10♌ 1'17	26♌ 8	22♏46	28♏48	10♏33	15°R36	18♏49	11°R36	6♌22	2♏17	1°R39	0♌14	20♏35	1♏31	S 1
M 2	18 43 28	10°58'31	8♏36	24°32	29°24	11°11	15°31	18°53	11°34	6°24	2°R17	1°32	0°10	20°41	1°31	M 2
T 3	18 47 25	11°55'44	20°52	26°21	0♏1	11°48	15°26	18°58	11°32	6°27	2°17	1°25	0°7	20°48	1°R31	T 3
W 4	18 51 22	12°52'58	2♏57	28°13	0°39	12°26	15°21	19°2	11°30	6°29	2°17	1°18	0°4	20°55	1°31	W 4
T 5	18 55 18	13°50'11	14°54	0♌8	1°18	13°3	15°16	19°6	11°28	6°31	2°17	1°13	0°1	21°1	1°31	T 5
F 6	18 59 15	14°47'23	26°47	2°5	1°59	13°40	15°10	19°11	11°26	6°33	2°17	1°10	29♏58	21°8	1°31	F 6
S 7	19 3 11	15°44'36	8♏39	4°5	2°40	14°18	15°4	19°16	11°24	6°35	2°17	1°8	29°54	21°15	1°31	S 7
S 8	19 7 8	16°41'48	20°35	6°7	3°22	14°55	14°58	19°20	11°22	6°38	2°17	1°D 8	29°51	21°22	1°30	S 8
M 9	19 11 4	17°39'00	2♏41	8°11	4°6	15°33	14°52	19°25	11°21	6°40	2°17	1°9	29°48	21°28	1°30	M 9
T 10	19 15 1	18°36'13	15°1	10°16	4°50	16°10	14°46	19°30	11°19	6°42	2°16	1°10	29°45	21°35	1°30	T 10
W 11	19 18 57	19°33'25	27°40	12°23	5°35	16°48	14°40	19°35	11°17	6°44	2°16	1°R11	29°42	21°42	1°30	W 11
T 12	19 22 54	20°30'37	10♏41	14°31	6°21	17°25	14°34	19°39	11°15	6°46	2°16	1°10	29°39	21°48	1°29	T 12
F 13	19 26 51	21°27'49	24°7	16°40	7°8	18°3	14°27	19°44	11°14	6°49	2°16	1°8	29°35	21°55	1°29	F 13
S 14	19 30 47	22°25'01	7♌57	18°49	7°55	18°40	14°20	19°50	11°12	6°51	2°15	1°4	29°32	22°2	1°28	S 14
S 15	19 34 44	23°22'14	22°10	20°58	8°44	19°18	14°14	19°55	11°10	6°53	2°15	0°58	29°29	22°9	1°28	S 15
M 16	19 38 40	24°19'26	6♏42	23°7	9°33	19°55	14°7	20°0	11°9	6°55	2°15	0°50	29°26	22°15	1°27	M 16
T 17	19 42 37	25°16'39	21°24	25°15	10°22	20°33	14°0	20°5	11°7	6°57	2°15	0°42	29°23	22°22	1°26	T 17
W 18	19 46 33	26°13'53	6♏9	27°23	11°13	21°10	13°53	20°10	11°6	6°59	2°14	0°34	29°20	22°29	1°25	W 18
T 19	19 50 30	27°11'07	20°50	29°31	12°4	21°48	13°46	20°16	11°4	7°2	2°14	0°28	29°16	22°35	1°25	T 19
F 20	19 54 26	28°8'22	5♏21	1♏37	12°56	22°25	13°39	20°21	11°3	7°4	2°13	0°24	29°13	22°42	1°24	F 20
S 21	19 58 23	29°5'37	19°38	3°42	13°48	23°3	13°32	20°27	11°1	7°6	2°13	0°21	29°10	22°49	1°23	S 21
S 22	20 2 20	0♏2'54	3♏37	5°46	14°41	23°40	13°24	20°32	11°0	7°8	2°13	0°D21	29°7	22°56	1°22	S 22
M 23	20 6 16	1°0'11	17°20	7°48	15°34	24°18	13°17	20°38	10°59	7°10	2°12	0°22	29°4	23°2	1°21	M 23
T 24	20 10 13	1°57'29	0♏47	9°49	16°29	24°56	13°9	20°44	10°57	7°12	2°12	0°R22	29°0	23°9	1°20	T 24
W 25	20 14 9	2°54'48	14°0	11°48	17°23	25°33	13°2	20°50	10°56	7°14	2°11	0°21	28°57	23°16	1°19	W 25
T 26	20 18 6	3°52'08	27°0	13°46	18°18	26°11	12°54	20°55	10°55	7°16	2°11	0°18	28°54	23°22	1°18	T 26
F 27	20 22 2	4°49'29	9♌48	15°42	19°14	26°49	12°47	21°1	10°54	7°18	2°10	0°13	28°51	23°29	1°17	F 27
S 28	20 25 59	5°46'51	22°26	17°37	20°10	27°26	12°39	21°7	10°53	7°20	2°9	0°5	28°48	23°36	1°15	S 28
S 29	20 29 55	6°44'13	4♏52	19°30	21°7	28°4	12°31	21°13	10°52	7°22	2°9	29♏54	28°45	23°43	1°14	S 29
M 30	20 33 52	7°41'36	17°10	21°21	22°4	28°42	12°23	21°19	10°51	7°24	2°8	29°42	28°41	23°49	1°13	M 30
T 31	20 37 49	8♏39'00	29♏17	23♏10	23♏1	29♏20	12°16	21♏25	10°50	7°26	2♏8	29♏30	28♏38	23♏56	1♏11	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
S 1	23n 3	16n47	4s12	22n10	1s 4	16n 8	3s51	18n46	1n14	16s51	0s44	6n21	2n 5	22s 9	0n 1	22n16	1s 1	13s55	16s11	20s29	20s11	0s42	4n 0	3n42					
M 2	22 59	13 31	4 45	22 27	0 52	16 13	3 53	18 36	1 14	16 52	0 44	6 19	2 5	22 9	0 1	22 16	1 1	13 55	16 11	20 28	20 11	0 45	4 0	3 42					
T 3	22 54	9 43	5 4	22 43	0 40	16 19	3 54	18 25	1 14	16 54	0 44	6 17	2 5	22 8	0 1	22 16	1 1	13 56	16 12	20 26	20 10	0 47	4 0	3 42					
W 4	22 48	5 36	5 9	22 57	0 28	16 26	3 56	18 15	1 14	16 56	0 44	6 15	2 5	22 8	0 1	22 16	1 1	13 56	16 12	20 25	20 9	0 49	4 0	3 42					
T 5	22 43	1 19	5 0	23 10	0 16	16 33	3 57	18 4	1 13	16 58	0 45	6 13	2 5	22 8	0 1	22 16	1 1	13 56	16 12	20 24	20 9	0 52	4 0	3 42					
F 6	22 37	2s59	4 39	23 21	0 4	16 40	3 58	17 53	1 13	17 0	0 45	6 11	2 5	22 8	0 1	22 16	1 1	13 57	16 13	20 23	20 8	0 54	4 0	3 43					
S 7	22 30	7 11	4 6	23 29	0n 7	16 47	3 59	17 42	1 13	17 1	0 45	6 10	2 4	22 7	0 1	22 15	1 1	13 57	16 13	20 23	20 7	0 56	4 0	3 43					
S 8	22 23	11 9	3 21	23 36	0 18	16 54	3 59	17 31	1 13	17 3	0 45	6 8	2 4	22 7	0 1	22 15	1 1	13 57	16 14	20 23	20 7	0 59	4 0	3 43					
M 9	22 16	14 43	2 28	23 39	0 29	17 2	4 0	17 19	1 12	17 5	0 45	6 6	2 4	22 7	0 1	22 15	1 1	13 58	16 14	20 23	20 6	1 1	4 0	3 43					
T 10	22 8	17 42	1 26	23 41	0 39	17 10	4 0	17 8	1 12	17 7	0 46	6 4	2 4	22 7	0 1	22 15	1 1	13 58	16 14	20 23	20 5	1 3	4 0	3 43					
W 11	22 0	19 56	0 19	23 39	0 49	17 18	4 0	16 56	1 12	17 9	0 46	6 2	2 4	22 6	0 1	22 15	1 1	13 59	16 15	20 23	20 5	1 6	4 0	3 43					
T 12	21 52	21 12	0n51	23 35	0 57	17 26	3 59	16 45	1 12	17 11	0 46	5 59	2 4	22 6	0 1	22 15	1 1	13 59	16 15	20 23	20 4	1 8	4 0	3 43					
F 13	21 43	21 18	2 0	23 29	1 6	17 34	3 59	16 33	1 11	17 14	0 46	5 57	2 4	22 6	0 1	22 15	1 1	14 0	16 15	20 23	20 3	1 10	4 0	3 43					
S 14	21 34	20 7	3 4	23 19	1 13	17 42	3 58	16 21	1 11	17 16	0 46	5 55	2 4	22 6	0 1	22 15	1 1	14 0	16 16	20 22	20 3	1 13	4 0	3 44					
S 15	21 24	17 41	3 59	23 7	1 20	17 50	3 58	16 9	1 11	17 18	0 47	5 53	2 3	22 5	0 1	22 15	1 1	14 0	16 16	20 21	20 2	1 15	4 0	3 44					
M 16	21 15	14 5	4 39	22 52	1 26	17 58	3 57	15 57	1 11	17 20	0 47	5 51	2 3	22 5	0 1	22 14	1 1	14 1	16 16	20 19	20 1	1 17	4 0	3 44					
T 17	21 4	9 36	5 1	22 35	1 32	18 7	3 55	15 45	1 10	17 22	0 47	5 49	2 3	22 5	0 1	22 14	1 1	14 1	16 17	20 17	20 1	1 20	4 0	3 44					
W 18	20 54	4 32	5 4	22 15	1 36	18 15	3 54	15 33	1 10	17 24	0 47	5 47	2 3	22 5	0 1	22 14	1 1	14 2	16 17	20 16	20 0	1 22	4 0	3 44					
T 19	20 43	0n46	4 47	21 52	1 40	18 23	3 53	15 20	1 10	17 27	0 47	5 44	2 3	22 5	0 1	22 14	1 1	14 2	16 17	20 14	19 59	1 24	3 59	3 44					
F 20	20 32	5 58	4 11	21 28	1 43	18 31	3 51	15 8	1 10	17 29	0 47	5 42	2 3	22 4	0 1	22 14	1 1	14 3	16 18	20 13	19 58	1 27	3 59	3 44					
S 21	20 20	10 45	3 20	21 1	1 45	18 39	3 49	14 55	1 9	17 31	0 48	5 40	2 3	22 4	0 1	22 14	1 1	14 3	16 18	20 13	19 58	1 29	3 59	3 44					
S 22	20 8	14 53	2 18	20 33	1 47	18 47	3 48	14 43	1 9	17 33	0 48	5 37	2 3	22 4	0 1	22 14	1 1	14 4	16 19	20 13	19 57	1 31	3 59	3 45					
M 23	19 56	18 6	1 9	20 3	1 48	18 55	3 46	14 30	1 9	17 36	0 48	5 35	2 2	22 4	0 1	22 14	1 1	14 4	16 19	20 13	19 56	1 34	3 58	3 45					
T 24	19 43	20 16	0s 2	19 31	1 48	19 2	3 44	14 17	1 9	17 38	0 48	5 33	2 2	22 4	0 1	22 14	1 1	14 5	16 19	20 13	19 56	1 36	3 58	3 45					
W 25	19 30	21 17	1 12	18 57	1 47	19 10	3 41	14 4	1 8	17 40	0 48	5 30	2 2	22 4	0 1	22 13	1 1	14 5	16 20	20 13	19 55	1 38	3 58	3 45					
T 26	19 17	21 7	2 17	18 23	1 46	19 17	3 39	13 51	1 8	17 42	0 48	5 28	2 2	22 3	0 1	22 13	1 1	14 6	16 20	20 12	19 54	1 40	3 57	3 45					
F 27	19 3	19 51	3 14	17 47	1 44	19 24	3 37	13 38	1 8	17 45	0 49	5 26	2 2	22 3	0 1	22 13	1 1	14 6	16 20	20 11	19 54	1 43	3 57	3 45					
S 28	18 49	17 37	4 0	17 10	1 42	19 30	3 34	13 25	1 8	17 47	0 49	5 23	2 2	22 3	0 1	22 13	1 1	14 7	16 20	20 9	19 53	1 45	3 57	3 45					
S 29	18 35	14 36	4 34	16 32	1 39	19 37	3 31	13 11	1 7	17 49	0 49	5 21	2 2	22 3	0 1	22 13	1 1	14 7	16 21	20 7	19 52	1 47	3 56	3 45					
M 30	18 20	11 0	4 55	15 53	1 36	19 43	3 29	12 58	1 7	17 52	0 49	5 18	2 2	22 3	0 1	22 13	1 1	14 8	16 21	20 5	19 52	1 50	3 56	3 46					
T 31	18n 5	7n 0	5s 2	15n14	1n32	19n49	3s26	12n45	1n 7	17s54	0s49	5n16	2n 2	22s 3	0n 1	22n13	1s 1	14s 8	16s21	20s 2	19s51	1s52	3n55	3n46					

ASTRODIENST EPHEMERIS for the year 2068

geocentric

AUGUST 2068

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 41 45	9♌36°24	11♍17	24♊58	23♋59	29♌57	12♍8	21♍32	10♍49	7♎28	2♍7	29♍18	28♍35	24♍3	1♍10	W 1
T 2	20 45 42	10♌33°49	23°11	26°44	24°57	0♍35	12♌0	21°38	10♌48	7°30	2♍6	29♍8	28°32	24°9	1♍9	T 2
F 3	20 49 38	11°31'15	5♌1	28°29	25°56	1°13	11°52	21°44	10°47	7°32	2°6	29°1	28°29	24°16	1°7	F 3
S 4	20 53 35	12°28'42	16°51	0♍12	26°55	1°51	11°44	21°50	10°47	7°34	2°5	28°55	28°26	24°23	1°6	S 4
S 5	20 57 31	13°26'09	28°46	1°53	27°54	2°28	11°37	21°57	10°46	7°36	2°4	28°53	28°22	24°30	1°4	S 5
M 6	21 1 128	14°23'37	10♍49	3°32	28°54	3°6	11°29	22°3	10°45	7°38	2°4	28°D52	28°19	24°36	1°2	M 6
T 7	21 5 24	15°21'05	23°6	5°10	29°54	3°44	11°21	22°10	10°45	7°40	2°3	28°R52	28°16	24°43	1°1	T 7
W 8	21 9 21	16°18'35	5♌42	6°47	0♎54	4°22	11°13	22°16	10°44	7°41	2°2	28°52	28°13	24°50	0°59	W 8
T 9	21 13 18	17°16'05	18°43	8°21	1°55	5°0	11°6	22°23	10°43	7°43	2°1	28°50	28°10	24°56	0°57	T 9
F 10	21 17 14	18°13'36	2♌11	9°54	2°56	5°38	10°58	22°29	10°43	7°45	2°1	28°47	28°6	25°3	0°55	F 10
S 11	21 21 11	19°11'08	16°8	11°26	3°58	6°16	10°50	22°36	10°43	7°47	2°0	28°41	28°3	25°10	0°54	S 11
S 12	21 25 7	20°8'41	0♌33	12°56	4°59	6°54	10°43	22°43	10°42	7°49	1°59	28°33	28°0	25°17	0°52	S 12
M13	21 29 4	21°6'15	15°20	14°24	6°1	7°31	10°35	22°49	10°42	7°50	1°58	28°23	27°57	25°23	0°50	M13
T 14	21 33 0	22°3'50	0♌23	15°50	7°4	8°9	10°28	22°56	10°42	7°52	1°57	28°12	27°54	25°30	0°48	T 14
W15	21 36 57	23°1'26	15°31	17°15	8°6	8°47	10°20	23°3	10°41	7°54	1°56	28°1	27°51	25°37	0°46	W15
T 16	21 40 53	23°59'04	0♍34	18°39	9°9	9°25	10°13	23°10	10°41	7°55	1°55	27°53	27°47	25°43	0°44	T 16
F 17	21 44 50	24°56'43	15°23	20°0	10°12	10°3	10°5	23°17	10°41	7°57	1°55	27°46	27°44	25°50	0°42	F 17
S 18	21 48 47	25°54'23	29°52	21°20	11°16	10°41	9°58	23°23	10°41	7°59	1°54	27°43	27°41	25°57	0°40	S 18
S 19	21 52 43	26°52'05	13♌58	22°38	12°19	11°19	9°51	23°30	10°D41	8°0	1°53	27°41	27°38	26°3	0°38	S 19
M20	21 56 40	27°49'49	27°41	23°54	13°23	11°58	9°44	23°37	10°41	8°2	1°52	27°41	27°35	26°10	0°35	M20
T 21	22 0 36	28°47'35	11♋2	25°8	14°28	12°36	9°37	23°44	10°41	8°3	1°51	27°41	27°32	26°17	0°33	T 21
W22	22 4 33	29°45'22	24°4	26°20	15°32	13°14	9°30	23°51	10°41	8°5	1°50	27°39	27°28	26°24	0°31	W22
T 23	22 8 29	0♍43'11	6♎50	27°30	16°37	13°52	9°23	23°58	10°42	8°7	1°49	27°36	27°25	26°30	0°29	T 23
F 24	22 12 26	1°41'02	19°23	28°38	17°42	14°30	9°16	24°6	10°42	8°8	1°48	27°29	27°22	26°37	0°26	F 24
S 25	22 16 22	2°38'54	1♌45	29°44	18°47	15°8	9°10	24°13	10°42	8°9	1°47	27°20	27°19	26°44	0°24	S 25
S 26	22 20 19	3°36'47	13°59	0♌47	19°52	15°46	9°3	24°20	10°42	8°11	1°46	27°8	27°16	26°50	0°22	S 26
M27	22 24 16	4°34'43	26°5	1°48	20°58	16°25	8°57	24°27	10°43	8°12	1°45	26°55	27°12	26°57	0°19	M27
T 28	22 28 12	5°32'40	8♍4	2°46	22°3	17°3	8°51	24°34	10°43	8°14	1°44	26°41	27°9	27°4	0°17	T 28
W29	22 32 9	6°30'38	19°59	3°42	23°9	17°41	8°45	24°41	10°44	8°15	1°43	26°28	27°6	27°10	0°15	W29
T 30	22 36 5	7°28'38	1♌50	4°35	24°16	18°19	8°39	24°49	10°44	8°16	1°42	26°16	27°3	27°17	0°12	T 30
F 31	22 40 2	8♍26'39	13♌39	5♌24	25♎22	18♍58	8♌33	24♍56	10♌45	8♎18	1♍40	26♍7	27♍0	27♍24	0♍10	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	17n50	2n46	4s55	14n34	1n27	19n55	3s23	12n31	1n6	17s56	0s49	5n13	2n2	22s3	0n1	22n13
T 2	17 35	1s31	4 36	13 53	1 22	20 0	3 20	12 18	1 6	17 59	0 49	5 11	2 1	22 3	0 1	22 12
F 3	17 19	5 44	4 5	13 12	1 17	20 5	3 17	12 4	1 6	18 1	0 50	5 8	2 1	22 2	0 1	22 12
S 4	17 3	9 45	3 23	12 31	1 11	20 10	3 13	11 50	1 6	18 3	0 50	5 6	2 1	22 2	0 1	22 12
S 5	16 47	13 24	2 32	11 49	1 5	20 15	3 10	11 36	1 5	18 6	0 50	5 3	2 1	22 2	0 1	22 12
M 6	16 30	16 33	1 34	11 7	0 59	20 19	3 7	11 22	1 5	18 8	0 50	5 0	2 1	22 2	0 1	22 12
T 7	16 14	19 2	0 31	10 25	0 52	20 22	3 3	11 8	1 5	18 10	0 50	4 58	2 1	22 2	0 1	22 12
W 8	15 56	20 39	0n36	9 43	0 45	20 26	3 0	10 54	1 4	18 12	0 50	4 55	2 1	22 2	0 1	22 12
T 9	15 39	21 14	1 43	9 1	0 37	20 29	2 56	10 40	1 4	18 15	0 50	4 52	2 1	22 2	0 1	22 12
F 10	15 22	20 38	2 47	8 19	0 30	20 31	2 53	10 26	1 4	18 17	0 50	4 50	2 1	22 2	0 1	22 12
S 11	15 4	18 47	3 42	7 37	0 22	20 33	2 49	10 12	1 3	18 19	0 50	4 47	2 1	22 2	0 1	22 11
S 12	14 46	15 42	4 26	6 55	0 14	20 35	2 45	9 57	1 3	18 21	0 51	4 44	2 1	22 2	0 1	22 11
M13	14 27	11 34	4 53	6 13	0 5	20 36	2 41	9 43	1 3	18 23	0 51	4 42	2 1	22 2	0 1	22 11
T 14	14 9	6 39	5 0	5 32	0s3	20 37	2 38	9 28	1 2	18 25	0 51	4 39	2 1	22 2	0 1	22 11
W15	13 50	1 18	4 47	4 51	0 12	20 38	2 34	9 14	1 2	18 28	0 51	4 36	2 1	22 2	0 1	22 11
T 16	13 31	4n6	4 14	4 10	0 21	20 37	2 30	8 59	1 2	18 30	0 51	4 33	2 0	22 2	0 1	22 11
F 17	13 12	9 11	3 24	3 30	0 30	20 37	2 26	8 45	1 2	18 32	0 51	4 31	2 0	22 2	0 1	22 11
S 18	12 53	13 37	2 21	2 50	0 40	20 36	2 22	8 30	1 1	18 34	0 51	4 28	2 0	22 2	0 1	22 11
S 19	12 33	17 10	1 12	2 11	0 49	20 34	2 18	8 15	1 1	18 36	0 51	4 25	2 0	22 2	0 1	22 10
M20	12 13	19 38	0 0	1 32	0 58	20 32	2 14	8 0	1 1	18 38	0 51	4 22	2 0	22 2	0 1	22 10
T 21	11 53	20 56	1s10	0 54	1 8	20 30	2 9	7 46	1 0	18 40	0 51	4 20	2 0	22 2	0 1	22 10
W22	11 33	21 3	2 15	0 16	1 18	20 27	2 5	7 31	1 0	18 42	0 51	4 17	2 0	22 2	0 1	22 10
T 23	11 13	20 4	3 11	0s20	1 27	20 24	2 1	7 16	1 0	18 43	0 51	4 14	2 0	22 2	0 1	22 10
F 24	10 52	18 7	3 57	0 56	1 37	20 20	1 57	7 1	0 59	18 45	0 51	4 11	2 0	22 2	0 1	22 10
S 25	10 32	15 21	4 31	1 31	1 47	20 15	1 53	6 46	0 59	18 47	0 51	4 8	2 0	22 2	0 1	22 10
S 26	10 11	11 57	4 52	2 6	1 57	20 10	1 49	6 30	0 59	18 49	0 52	4 5	2 0	22 2	0 1	22 10
M27	9 50	8 7	5 0	2 39	2 6	20 5	1 44	6 15	0 58	18 50	0 52	4 2	2 0	22 2	0 1	22 10
T 28	9 28	3 59	4 54	3 11	2 16	19 59	1 40	6 0	0 58	18 52	0 52	4 0	2 0	22 2	0 1	22 9
W29	9 7	0s15	4 36	3 42	2 26	19 52	1 36	5 45	0 58	18 54	0 52	3 57	2 0	22 2	0 1	22 9
T 30	8 46	4 28	4 5	4 11	2 35	19 45	1 32	5 30	0 57	18 55	0 52	3 54	2 0	22 2	0 1	22 9
F 31	8n24	8s31	3s24	4s40	2s44	19n37	1s27	5n14	0n57	18s57	0s52	3n51	2n0	22s2	0n0	22n9

Julian Day Number = 2476594.5, Delta T = 80.51 sec
 Ecliptic obliquity = 23°25'44", Nutation = 0°00'16", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°41'54", Lahiri = 24°48'55"

ASTRODIENST EPHEMERIS for the year 2068

geocentric

SEPTEMBER 2068

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 43 58	9 ^h 24'42"	25 ^h 29'	6 ^h 11'	26 ^h 29'	19 ^h 36'	8°R27	25 ^h 3	10 ^h 46'	8 ^h 19'	1°R39	26°R 0	26 ^h 57'	27 ^h 31'	0°R 7	S 1
S 2	22 47 55	10°22'46"	7 ^h 23'	6°53'	27°35'	20°15'	8 ^h 22'	25°10'	10°46'	8°20'	1°Y38	25 ^h 57'	26°53'	27°37'	0°Y 5	S 2
M 3	22 51 51	11°20'52"	19°25'	7°33'	28°42'	20°53'	8°16'	25°18'	10°47'	8°22'	1°37'	25°55'	26°50'	27°44'	0° 2	M 3
T 4	22 55 48	12°18'59"	1 ^h 44'	8° 8'	29°49'	21°31'	8°11'	25°25'	10°48'	8°23'	1°36'	25°D55	26°47'	27°51'	29 ^h 59'	T 4
W 5	22 59 45	13°17'07"	14°14'	8°39'	0 ^h 57'	22°10'	8° 6'	25°32'	10°49'	8°24'	1°35'	25°R56	26°44'	27°57'	29°57'	W 5
T 6	23 3 41	14°15'18"	27°10'	9° 5'	2° 4'	22°48'	8° 1'	25°40'	10°50'	8°25'	1°34'	25°55'	26°41'	28° 4'	29°54'	T 6
F 7	23 7 38	15°13'29"	10 ^h 33'	9°27'	3°12'	23°27'	7°56'	25°47'	10°51'	8°26'	1°33'	25°52'	26°38'	28°11'	29°52'	F 7
S 8	23 11 34	16°11'42"	24°26'	9°43'	4°19'	24° 5'	7°52'	25°55'	10°52'	8°27'	1°32'	25°48'	26°34'	28°18'	29°49'	S 8
S 9	23 15 31	17° 9'56"	8 ^h 48'	9°54'	5°27'	24°44'	7°47'	26° 2'	10°53'	8°28'	1°30'	25°41'	26°31'	28°24'	29°46'	S 9
M10	23 19 27	18° 8'12"	23°37'	10°R 0	6°35'	25°22'	7°43'	26° 9'	10°54'	8°29'	1°29'	25°32'	26°28'	28°31'	29°44'	M10
T 11	23 23 24	19° 6'30"	8 ^h 46'	9°59'	7°44'	26° 1'	7°39'	26°17'	10°55'	8°30'	1°28'	25°22'	26°25'	28°38'	29°41'	T 11
W12	23 27 20	20° 4'49"	24° 4'	9°52'	8°52'	26°39'	7°35'	26°24'	10°56'	8°31'	1°27'	25°13'	26°22'	28°44'	29°38'	W12
T 13	23 31 17	21° 3'10"	9°Y21	9°38'	10° 1'	27°18'	7°31'	26°32'	10°58'	8°32'	1°26'	25° 5'	26°18'	28°51'	29°36'	T 13
F 14	23 35 13	22° 1'33"	24°25'	9°18'	11° 9'	27°57'	7°27'	26°39'	10°59'	8°33'	1°25'	24°59'	26°15'	28°58'	29°33'	F 14
S 15	23 39 10	22°59'58"	9 ^h 8'	8°51'	12°18'	28°35'	7°24'	26°47'	11° 0'	8°34'	1°23'	24°56'	26°12'	29° 4'	29°30'	S 15
S 16	23 43 7	23°58'26"	23°27'	8°17'	13°27'	29°14'	7°21'	26°54'	11° 2'	8°35'	1°22'	24°D55	26° 9'	29°11'	29°28'	S 16
M17	23 47 3	24°56'55"	7 ^h 18'	7°37'	14°37'	29°53'	7°18'	27° 2'	11° 3'	8°36'	1°21'	24°55'	26° 6'	29°18'	29°25'	M17
T 18	23 51 0	25°55'27"	20°43'	6°50'	15°46'	0 ^h 31'	7°15'	27° 9'	11° 5'	8°36'	1°20'	24°R56	26° 3'	29°25'	29°22'	T 18
W19	23 54 56	26°54'01"	3 ^h 34'	5°58'	16°55'	1°10'	7°12'	27°17'	11° 6'	8°37'	1°19'	24°56'	25°59'	29°31'	29°20'	W19
T 20	23 58 43	27°52'37"	16°26'	5° 1'	18° 5'	1°49'	7°10'	27°24'	11° 8'	8°38'	1°17'	24°54'	25°56'	29°38'	29°17'	T 20
F 21	0 2 49	28°51'15"	28°52'	4° 0'	19°15'	2°28'	7° 7'	27°31'	11° 9'	8°39'	1°16'	24°50'	25°53'	29°45'	29°14'	F 21
S 22	0 6 46	29°49'55"	11 ^h 8'	2°56'	20°25'	3° 7'	7° 5'	27°39'	11°11'	8°39'	1°15'	24°44'	25°50'	29°51'	29°11'	S 22
S 23	0 10 42	0 ^h 48'38"	23° 9'	1°51'	21°35'	3°46'	7° 3'	27°46'	11°13'	8°40'	1°14'	24°35'	25°47'	29°58'	29° 9'	S 23
M24	0 14 39	1°47'22"	5 ^h 7'	0°46'	22°45'	4°24'	7° 2'	27°54'	11°15'	8°40'	1°13'	24°25'	25°43'	0 ^h 5	29° 6'	M24
T 25	0 18 36	2°46'09"	17° 0'	29 ^h 43'	23°55'	5° 3'	7° 0'	28° 1'	11°16'	8°41'	1°11'	24°15'	25°40'	0°11'	29° 3'	T 25
W26	0 22 32	3°44'57"	28°51'	28°44'	25° 5'	5°42'	6°59'	28° 9'	11°18'	8°42'	1°10'	24° 5'	25°37'	0°18'	29° 0'	W26
T 27	0 26 29	4°43'48"	10 ^h 42'	27°49'	26°16'	6°21'	6°58'	28°16'	11°20'	8°42'	1° 9'	23°57'	25°34'	0°25'	28°58'	T 27
F 28	0 30 25	5°42'41"	22°33'	27° 2'	27°27'	7° 0'	6°57'	28°24'	11°22'	8°43'	1° 8'	23°50'	25°31'	0°31'	28°55'	F 28
S 29	0 34 22	6°41'35"	4 ^h 27'	26°22'	28°37'	7°39'	6°56'	28°31'	11°24'	8°43'	1° 7'	23°46'	25°28'	0°38'	28°52'	S 29
S 30	0 38 18	7 ^h 40'32"	16 ^h 26'	25 ^h 50'	29 ^h 48'	8 ^h 18'	6 ^h 55'	28 ^h 39'	11 ^h 26'	8 ^h 43'	1°Y 5	23 ^h 44'	25 ^h 24'	0 ^h 45'	28 ^h 50'	S 30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	8n 2	12s14	2s34	5s 6	2s53	19n29	1s23	4n59	0n57	18s58	0s52	3n48	2n 0	22s 3	0n 0	22n 9
S 2	7 40	15 30	1 37	5 32	3 2	19 21	1 19	4 44	0 56	19 0	0 52	3 45	2 0	22 3	0 0	22 9
M 3	7 18	18 8	0 34	5 55	3 11	19 12	1 15	4 28	0 56	19 1	0 52	3 42	2 0	22 3	0 0	22 9
T 4	6 56	19 59	0n31	6 17	3 19	19 2	1 10	4 13	0 55	19 3	0 52	3 39	2 0	22 3	0 0	22 9
W 5	6 34	20 55	1 36	6 36	3 27	18 52	1 6	4 57	0 55	19 4	0 52	3 36	2 0	22 3	0 0	22 9
T 6	6 12	20 46	2 38	6 53	3 35	18 41	1 2	3 42	0 55	19 5	0 52	3 33	2 0	22 3	0 0	22 9
F 7	5 49	19 28	3 34	7 8	3 42	18 30	0 58	3 26	0 54	19 7	0 52	3 31	2 0	22 3	0 0	22 9
S 8	5 27	16 58	4 19	7 21	3 48	18 18	0 54	3 11	0 54	19 8	0 52	3 28	2 0	22 3	0 0	22 8
S 9	5 4	13 23	4 50	7 31	3 54	18 6	0 49	2 55	0 54	19 9	0 52	3 25	2 0	22 4	0 0	22 8
M10	4 41	8 52	5 3	7 37	3 59	17 53	0 45	2 39	0 53	19 10	0 52	3 22	2 0	22 4	0 0	22 8
T 11	4 19	3 43	4 55	7 41	4 3	17 40	0 41	2 24	0 53	19 11	0 52	3 19	2 0	22 4	0 0	22 8
W12	3 56	1n43	4 26	7 41	4 6	17 26	0 37	2 8	0 53	19 12	0 52	3 16	2 0	22 4	0 0	22 8
T 13	3 33	7 2	3 38	7 37	4 8	17 12	0 33	1 52	0 52	19 13	0 52	3 13	2 0	22 4	0 0	22 8
F 14	3 10	11 52	2 35	7 30	4 9	16 57	0 29	1 37	0 52	19 14	0 52	3 10	2 0	22 5	0 0	22 8
S 15	2 47	15 51	1 23	7 18	4 8	16 42	0 25	1 21	0 51	19 15	0 52	3 7	2 0	22 5	0 0	22 8
S 16	2 24	18 45	0 8	7 3	4 6	16 26	0 21	1 5	0 51	19 16	0 52	3 4	2 0	22 5	0 0	22 8
M17	2 0	20 26	1s 6	6 43	4 2	16 10	0 17	0 49	0 51	19 16	0 52	3 1	2 0	22 5	0 0	22 8
T 18	1 37	20 53	2 13	6 19	3 56	15 54	0 13	0 34	0 50	19 17	0 52	2 58	2 0	22 5	0 0	22 8
W19	1 14	20 10	3 12	5 52	3 48	15 37	0 9	0 18	0 50	19 18	0 52	2 55	2 0	22 6	0 0	22 8
T 20	0 51	18 27	4 0	5 20	3 39	15 19	0 5	0 2	0 50	19 18	0 52	2 52	2 0	22 6	0 0	22 7
F 21	0 27	15 53	4 35	4 45	3 27	15 1	0 2	0s14	0 49	19 19	0 52	2 49	2 0	22 6	0 0	22 7
S 22	0 4	12 40	4 57	4 8	3 14	14 43	0n 2	0 29	0 49	19 19	0 52	2 46	2 0	22 6	0 0	22 7
S 23	0s19	8 59	5 5	3 28	2 58	14 24	0 6	0 45	0 48	19 20	0 51	2 44	2 0	22 7	0 0	22 7
M24	0 43	4 58	5 0	2 47	2 42	14 4	0 9	1 1	0 48	19 20	0 51	2 41	2 0	22 7	0 0	22 7
T 25	1 6	0 48	4 42	2 5	2 24	13 45	0 13	1 17	0 48	19 21	0 51	2 38	2 0	22 7	0 0	22 7
W26	1 29	3s24	4 12	1 24	2 4	13 25	0 16	1 33	0 47	19 21	0 51	2 35	2 1	22 7	0 0	22 7
T 27	1 53	7 28	3 31	0 44	1 45	13 4	0 20	1 48	0 47	19 21	0 51	2 32	2 1	22 8	0 0	22 7
F 28	2 16	11 15	2 40	0 6	1 24	12 43	0 23	2 4	0 46	19 21	0 51	2 29	2 1	22 8	0 0	22 7
S 29	2 39	14 36	1 42	0n28	1 4	12 22	0 27	2 20	0 46	19 21	0 51	2 26	2 1	22 8	0 0	22 7
S 30	3s 3	17s22	0s39	0n59	0s44	12n 0	0n30	2s36	0n46	19s22	0s51	2n23	2n 1	22s 8	0n 0	22n 7

Julian Day Number = 2476625.5, Delta T = 80.54 sec
 Ecliptic obliquity = 23°25'45", Nutation = 0°00'15", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°41'59", Lahiri = 24°48'59"

ASTRODIENST EPHEMERIS for the year 2068
geocentric

OCTOBER 2068

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	0 42 15	8♂39'30	28♂33	25°R29	0♂59	8♂58	6°R55	28♂46	11♂28	8♂44	1°R 4	23°D44	25♂21	0♂52	28°R47	M 1
T 2	0 46 11	9°38'30	10♂52	25♂17	2°10	9°37	6°D55	28°53	11°31	8°44	1°Y 3	23♂45	25°18	0°58	28♂44	T 2
W 3	0 50 8	10°37'32	23°26	25°D16	3°21	10°16	6♂55	29° 1	11°33	8°44	1° 2	23°46	25°15	1° 5	28°42	W 3
T 4	0 54 5	11°36'36	6♂20	25°26	4°33	10°55	6°55	29° 8	11°35	8°45	1° 1	23°R47	25°12	1°12	28°39	T 4
F 5	0 58 1	12°35'42	19°37	25°46	5°44	11°34	6°56	29°15	11°37	8°45	1° 0	23°47	25° 9	1°18	28°36	F 5
S 6	1 1 58	13°34'49	3♂21	26°15	6°55	12°14	6°56	29°23	11°40	8°45	0°58	23°45	25° 5	1°25	28°34	S 6
S 7	1 5 54	14°33'58	17°32	26°54	8° 7	12°53	6°57	29°30	11°42	8°45	0°57	23°42	25° 2	1°32	28°31	S 7
M 8	1 9 51	15°33'09	2♂8	27°41	9°19	13°32	6°58	29°37	11°44	8°45	0°56	23°37	24°59	1°38	28°29	M 8
T 9	1 13 47	16°32'21	17° 6	28°37	10°30	14°11	7° 0	29°45	11°47	8°45	0°55	23°32	24°56	1°45	28°26	T 9
W10	1 17 44	17°31'35	2°Y17	29°39	11°42	14°51	7° 1	29°52	11°49	8°45	0°54	23°26	24°53	1°52	28°23	W10
T 11	1 21 40	18°30'51	17°31	0♂49	12°54	15°30	7° 3	29°59	11°52	8°R45	0°53	23°22	24°49	1°59	28°21	T 11
F 12	1 25 37	19°30'10	2♂39	2° 4	14° 6	16°10	7° 5	0♂6	11°54	8°45	0°52	23°19	24°46	2° 5	28°18	F 12
S 13	1 29 33	20°29'30	17°30	3°24	15°18	16°49	7° 7	0°14	11°57	8°45	0°50	23°D18	24°43	2°12	28°16	S 13
S 14	1 33 30	21°28'53	1♂58	4°48	16°31	17°29	7° 9	0°21	12° 0	8°45	0°49	23°18	24°40	2°19	28°13	S 14
M15	1 37 27	22°28'18	16° 0	6°16	17°43	18° 8	7°11	0°28	12° 2	8°45	0°48	23°19	24°37	2°25	28°11	M15
T 16	1 41 23	23°27'45	29°34	7°47	18°56	18°48	7°14	0°35	12° 5	8°45	0°47	23°20	24°34	2°32	28° 9	T 16
W17	1 45 20	24°27'15	12♂41	9°20	20° 8	19°27	7°17	0°42	12° 8	8°45	0°46	23°22	24°30	2°39	28° 6	W17
T 18	1 49 16	25°26'47	25°26	10°56	21°21	20° 7	7°20	0°49	12°10	8°45	0°45	23°R22	24°27	2°45	28° 4	T 18
F 19	1 53 13	26°26'21	7♂52	12°33	22°33	20°46	7°23	0°56	12°13	8°44	0°44	23°22	24°24	2°52	28° 2	F 19
S 20	1 57 9	27°25'57	20° 3	14°12	23°46	21°26	7°26	1° 3	12°16	8°44	0°43	23°20	24°21	2°59	27°59	S 20
S 21	2 1 6	28°25'36	2♂3	15°51	24°59	22° 6	7°30	1°10	12°19	8°44	0°42	23°17	24°18	3° 5	27°57	S 21
M22	2 5 2	29°25'16	13°57	17°31	26°12	22°46	7°33	1°17	12°22	8°43	0°41	23°13	24°14	3°12	27°55	M22
T 23	2 8 59	0♂24'59	25°47	19°12	27°25	23°25	7°37	1°24	12°25	8°43	0°40	23° 9	24°11	3°19	27°53	T 23
W24	2 12 56	1°24'44	7♂37	20°53	28°38	24° 5	7°41	1°31	12°28	8°43	0°39	23° 5	24° 8	3°26	27°50	W24
T 25	2 16 52	2°24'32	19°30	22°35	29°51	24°45	7°46	1°37	12°31	8°42	0°38	23° 2	24° 5	3°32	27°48	T 25
F 26	2 20 49	3°24'21	1♂26	24°16	1♂4	25°25	7°50	1°44	12°34	8°42	0°37	23° 0	24° 2	3°39	27°46	F 26
S 27	2 24 45	4°24'12	13°29	25°57	2°18	26° 5	7°55	1°51	12°37	8°41	0°36	22°58	23°59	3°46	27°44	S 27
S 28	2 28 42	5°24'05	25°39	27°39	3°31	26°45	8° 0	1°57	12°40	8°41	0°35	22°D58	23°55	3°52	27°42	S 28
M29	2 32 38	6°24'00	7♂59	29°19	4°44	27°25	8° 5	2° 4	12°43	8°40	0°34	22°59	23°52	3°59	27°40	M29
T 30	2 36 35	7°23'57	20°30	1♂0	5°58	28° 5	8°10	2°11	12°46	8°39	0°33	23° 0	23°49	4° 6	27°38	T 30
W31	2 40 31	8♂23'55	3♂14	2♂40	7♂11	28♂45	8♂15	2♂17	12♂49	8♂39	0°Y32	23♂1	23♂46	4♂12	27♂36	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	3s26	19s24	0n26	1n25	0s25	11n38	0n33	2s51	0n45	19s22	0s51	2n20	2n 1	22s 9	0n 0	22n 7
T 2	3 49	20 33	1 32	1 47	0 6	11 16	0 36	3 7	0 45	19 22	0 51	2 17	2 1	22 9	0 0	22 7
W 3	4 12	20 42	2 34	2 3	0n12	10 53	0 40	3 23	0 44	19 22	0 51	2 15	2 1	22 9	0 0	22 7
T 4	4 35	19 46	3 31	2 15	0 28	10 30	0 43	3 39	0 44	19 21	0 51	2 12	2 1	22 10	0 0	22 7
F 5	4 58	17 45	4 18	2 21	0 43	10 7	0 46	3 54	0 44	19 21	0 51	2 9	2 1	22 10	0 0	22 7
S 6	5 21	14 40	4 51	2 22	0 57	9 43	0 49	4 10	0 43	19 21	0 51	2 6	2 1	22 10	0 0	22 7
S 7	5 44	10 40	5 9	2 18	1 9	9 19	0 51	4 26	0 43	19 21	0 51	2 3	2 1	22 11	0 0	22 7
M 8	6 7	5 55	5 7	2 9	1 20	8 55	0 54	4 41	0 42	19 20	0 51	2 0	2 1	22 11	0 0	22 7
T 9	6 30	0 43	4 45	1 55	1 30	8 30	0 57	4 57	0 42	19 20	0 51	1 58	2 2	22 11	0 0	22 6
W10	6 53	4n37	4 3	1 38	1 35	8 5	1 0	5 13	0 41	19 20	0 51	1 55	2 2	22 12	0 0	22 6
T 11	7 15	9 41	3 3	1 17	1 45	7 40	1 2	5 28	0 41	19 19	0 51	1 52	2 2	22 12	0 0	22 6
F 12	7 38	14 7	1 50	0 52	1 50	7 15	1 5	5 44	0 40	19 19	0 51	1 49	2 2	22 12	0 0	22 6
S 13	8 0	17 33	0 32	0 24	1 54	6 49	1 7	5 59	0 40	19 18	0 50	1 47	2 2	22 13	0 0	22 6
S 14	8 22	19 46	0s47	0s 7	1 57	6 23	1 10	6 15	0 40	19 17	0 50	1 44	2 2	22 13	0 0	22 6
M15	8 44	20 41	2 1	0 40	1 59	5 57	1 12	6 30	0 39	19 17	0 50	1 41	2 2	22 13	0 0	22 6
T 16	9 7	20 20	3 6	1 15	2 0	5 31	1 14	6 46	0 38	19 16	0 50	1 38	2 2	22 14	0 0	22 6
W17	9 28	18 52	3 58	1 51	2 0	5 4	1 16	7 1	0 38	19 15	0 50	1 36	2 2	22 14	0s 0	22 6
T 18	9 50	16 30	4 38	2 29	1 59	4 38	1 18	7 16	0 38	19 14	0 50	1 33	2 3	22 15	0 0	22 6
F 19	10 12	13 25	5 3	3 9	1 58	4 11	1 20	7 32	0 37	19 14	0 50	1 30	2 3	22 15	0 0	22 6
S 20	10 33	9 50	5 13	3 49	1 56	3 44	1 22	7 47	0 37	19 13	0 50	1 28	2 3	22 15	0 0	22 6
S 21	10 55	5 54	5 10	4 30	1 53	3 17	1 24	8 2	0 36	19 12	0 50	1 25	2 3	22 16	0 0	22 6
M22	11 16	1 47	4 54	5 11	1 50	2 49	1 26	8 17	0 36	19 11	0 50	1 22	2 3	22 16	0 0	22 6
T 23	11 37	2s23	4 25	5 53	1 46	2 22	1 27	8 33	0 36	19 10	0 50	1 20	2 3	22 16	0 0	22 6
W24	11 58	6 28	3 45	6 35	1 42	1 54	1 29	8 48	0 35	19 8	0 50	1 17	2 3	22 17	0 0	22 6
T 25	12 18	10 19	2 54	7 17	1 37	1 26	1 30	9 3	0 35	19 7	0 50	1 15	2 3	22 17	0 0	22 6
F 26	12 39	13 47	1 56	7 59	1 32	0 59	1 32	9 18	0 34	19 6	0 50	1 12	2 4	22 18	0 0	22 6
S 27	12 59	16 42	0 52	8 40	1 27	0 31	1 33	9 33	0 34	19 5	0 50	1 9	2 4	22 18	0 0	22 6
S 28	13 19	18 55	0n15	9 22	1 21	0 3	1 34	9 48	0 33	19 4	0 50	1 7	2 4	22 18	0 0	22 6
M29	13 39	20 17	1 22	10 3	1 16	0s25	1 35	10 2	0 33	19 2	0 49	1 4	2 4	22 19	0 0	22 6
T 30	13 58	20 39	2 27	10 44	1 10	0 53	1 37	10 17	0 32	19 1	0 49	1 2	2 4	22 19	0 0	22 6
W31	14s18	19s58	3n25	11s24	1n 3	1s22	1n38	10s32	0n32	18s59	0s49	1n 0	2n 4	22s20	0s 0	22n 6

Julian Day Number = 2476655.5, Delta T = 80.57 sec
Ecliptic obliquity = 23°25'45, Nutation = 0°00'14, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°42'03, Lahiri = 24°49'03

ASTRODIENST EPHEMERIS for the year 2068
geocentric

NOVEMBER 2068

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 44 28	9♉23°56	16♊15	4♉20	8♉25	29♉25	8♉21	2♉24	12♉53	8♉38	0♉31	23♉2	23♉43	4♉19	27♉34	T 1
F 2	2 48 25	10°23'57	29°33	6° 0	9°39	0♉ 5	8°26	2°30	12°56	8♉37	0♉30	23° 3	23°40	4°26	27♉33	F 2
S 3	2 52 21	11°24'01	13♈11	7°39	10°52	0°45	8°32	2°37	12°59	8°37	0°29	23°R 3	23°36	4°32	27°31	S 3
S 4	2 56 18	12°24'06	27°10	9°18	12° 6	1°25	8°38	2°43	13° 2	8°36	0°29	23° 3	23°33	4°39	27°29	S 4
M 5	3 0 14	13°24'12	11♋29	10°56	13°20	2° 5	8°45	2°49	13° 6	8°35	0°28	23° 2	23°30	4°46	27°27	M 5
T 6	3 4 11	14°24'20	26° 5	12°34	14°34	2°46	8°51	2°55	13° 9	8°34	0°27	23° 1	23°27	4°53	27°26	T 6
W 7	3 8 7	15°24'29	10♈54	14°12	15°48	3°26	8°58	3° 2	13°12	8°33	0°26	23° 0	23°24	4°59	27°24	W 7
T 8	3 12 4	16°24'40	25°49	15°49	17° 2	4° 6	9° 4	3° 8	13°16	8°32	0°25	22°59	23°20	5° 6	27°23	T 8
F 9	3 16 0	17°24'53	10♉42	17°25	18°16	4°47	9°11	3°14	13°19	8°32	0°25	22°59	23°17	5°13	27°21	F 9
S 10	3 19 57	18°25'07	25°26	19° 2	19°30	5°27	9°18	3°20	13°23	8°31	0°24	22°D59	23°14	5°19	27°20	S 10
S 11	3 23 54	19°25'24	9♉53	20°38	20°44	6° 7	9°25	3°26	13°26	8°30	0°23	22°59	23°11	5°26	27°18	S 11
M12	3 27 50	20°25'42	23°58	22°13	21°58	6°48	9°33	3°32	13°29	8°29	0°22	22°59	23° 8	5°33	27°17	M12
T 13	3 31 47	21°26'02	7♉38	23°49	23°12	7°28	9°40	3°38	13°33	8°28	0°22	23° 0	23° 5	5°39	27°15	T 13
W14	3 35 43	22°26'24	20°53	25°24	24°26	8° 9	9°48	3°43	13°36	8°27	0°21	23° 0	23° 1	5°46	27°14	W14
T 15	3 39 40	23°26'47	3♉44	26°59	25°41	8°49	9°55	3°49	13°40	8°26	0°20	23°R 0	22°58	5°53	27°13	T 15
F 16	3 43 36	24°27'13	16°14	28°33	26°55	9°30	10° 3	3°55	13°43	8°24	0°20	23° 0	22°55	5°59	27°12	F 16
S 17	3 47 33	25°27'41	28°27	0♉ 7	28°10	10°11	10°11	4° 0	13°47	8°23	0°19	23°D 0	22°52	6° 6	27°11	S 17
S 18	3 51 29	26°28'10	10♈28	1°41	29°24	10°51	10°20	4° 6	13°50	8°22	0°19	23° 0	22°49	6°13	27°10	S 18
M19	3 55 26	27°28'41	22°20	3°15	0♉38	11°32	10°28	4°11	13°54	8°21	0°18	23° 0	22°46	6°19	27° 9	M19
T 20	3 59 23	28°29'14	4♉10	4°48	1°53	12°13	10°36	4°17	13°58	8°20	0°17	23° 1	22°42	6°26	27° 8	T 20
W21	4 3 19	29°29'48	16° 1	6°22	3° 8	12°53	10°45	4°22	14° 1	8°19	0°17	23° 1	22°39	6°33	27° 7	W21
T 22	4 7 16	0♉30'25	27°56	7°55	4°22	13°34	10°54	4°27	14° 5	8°17	0°16	23° 2	22°36	6°40	27° 6	T 22
F 23	4 11 12	1°31'02	10♉ 0	9°28	5°37	14°15	11° 3	4°32	14° 8	8°16	0°16	23° 3	22°33	6°46	27° 5	F 23
S 24	4 15 9	2°31'42	22°13	11° 0	6°51	14°56	11°12	4°37	14°12	8°15	0°15	23°R 3	22°30	6°53	27° 4	S 24
S 25	4 19 5	3°32'23	4♉38	12°33	8° 6	15°37	11°21	4°43	14°16	8°13	0°15	23° 3	22°26	7° 0	27° 3	S 25
M26	4 23 2	4°33'05	17°16	14° 5	9°21	16°18	11°30	4°47	14°19	8°12	0°15	23° 2	22°23	7° 6	27° 3	M26
T 27	4 26 58	5°33'49	0♉ 8	15°38	10°36	16°59	11°40	4°52	14°23	8°11	0°14	23° 0	22°20	7°13	27° 2	T 27
W28	4 30 55	6°34'34	13°13	17°10	11°50	17°40	11°49	4°57	14°27	8° 9	0°14	22°59	22°17	7°20	27° 2	W28
T 29	4 34 52	7°35'20	26°32	18°42	13° 5	18°21	11°59	5° 2	14°30	8° 8	0°13	22°57	22°14	7°26	27° 1	T 29
F 30	4 38 48	8♉36'07	10♈ 3	20♉14	14♉20	19♉ 2	12♈ 9	5♉ 6	14♉34	8♉ 7	0♉13	22♉55	22♉11	7♈33	27♈ 1	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	14s37	18s14	4n14	12s 4	0n57	1s50	1n38	10s46	0n31	18s58	0s49	0n57	2n 4	22s20	0s 0	22n 6	1s 3	14s51	16s27	18s31	18s42	5s18	2n25	3n41	
F 2	14 56	15 30	4 51	12 43	0 51	2 18	1 39	11 1	0 31	18 56	0 49	0 55	2 5	22 21	0 0	22 6	1 3	14 51	16 27	18 32	18 41	5 20	2 24	3 41	
S 3	15 15	11 51	5 12	13 22	0 44	2 46	1 40	11 15	0 30	18 55	0 49	0 52	2 5	22 21	0 0	22 6	1 3	14 51	16 26	18 32	18 40	5 23	2 23	3 41	
S 4	15 33	7 29	5 16	13 59	0 38	3 14	1 41	11 30	0 30	18 53	0 49	0 50	2 5	22 21	0 0	22 6	1 3	14 52	16 26	18 32	18 39	5 25	2 22	3 41	
M 5	15 51	2 37	5 1	14 37	0 31	3 42	1 41	11 44	0 29	18 51	0 49	0 48	2 5	22 22	0 0	22 6	1 3	14 52	16 26	18 31	18 38	5 27	2 22	3 40	
T 6	16 9	2n31	4 26	15 13	0 24	4 10	1 42	11 58	0 29	18 50	0 49	0 45	2 5	22 22	0 0	22 7	1 3	14 52	16 26	18 31	18 38	5 29	2 21	3 40	
W 7	16 27	7 35	3 33	15 49	0 17	4 38	1 42	12 13	0 28	18 48	0 49	0 43	2 5	22 23	0 0	22 7	1 3	14 52	16 25	18 31	18 37	5 31	2 20	3 40	
T 8	16 44	12 14	2 25	16 24	0 11	5 6	1 43	12 27	0 28	18 46	0 49	0 41	2 6	22 23	0 0	22 7	1 3	14 52	16 25	18 31	18 36	5 33	2 19	3 40	
F 9	17 1	16 6	1 8	16 58	0 4	5 34	1 43	12 41	0 27	18 44	0 49	0 38	2 6	22 23	0 0	22 7	1 3	14 52	16 25	18 31	18 35	5 35	2 18	3 40	
S 10	17 18	18 54	0s14	17 31	0s 3	6 2	1 43	12 55	0 27	18 42	0 49	0 36	2 6	22 24	0 0	22 7	1 3	14 52	16 25	18 31	18 34	5 37	2 18	3 39	
S 11	17 35	20 24	1 33	18 3	0 10	6 30	1 43	13 9	0 26	18 40	0 49	0 34	2 6	22 24	0 0	22 7	1 3	14 52	16 24	18 31	18 34	5 39	2 17	3 39	
M12	17 51	20 34	2 44	18 35	0 16	6 58	1 43	13 22	0 26	18 38	0 49	0 32	2 6	22 25	0 0	22 7	1 3	14 52	16 24	18 31	18 33	5 42	2 16	3 39	
T 13	18 7	19 29	3 44	19 5	0 23	7 25	1 43	13 36	0 25	18 36	0 49	0 30	2 7	22 25	0 0	22 7	1 3	14 52	16 24	18 31	18 32	5 44	2 15	3 39	
W14	18 22	17 22	4 29	19 35	0 29	7 52	1 43	13 50	0 25	18 34	0 49	0 28	2 7	22 26	0 0	22 7	1 3	14 52	16 24	18 31	18 31	5 46	2 15	3 38	
T 15	18 38	14 27	5 0	20 3	0 36	8 20	1 43	14 3	0 24	18 32	0 48	0 26	2 7	22 26	0 0	22 7	1 3	14 52	16 23	18 31	18 30	5 48	2 14	3 38	
F 16	18 53	10 56	5 15	20 31	0 42	8 47	1 42	14 17	0 24	18 30	0 48	0 23	2 7	22 27	0 0	22 7	1 3	14 52	16 23	18 31	18 30	5 50	2 13	3 38	
S 17	19 7	7 4	5 16	20 57	0 49	9 14	1 42	14 30	0 23	18 28	0 48	0 21	2 7	22 27	0 0	22 7	1 3	14 52	16 23	18 31	18 29	5 52	2 12	3 38	
S 18	19 21	2 58	5 3	21 23	0 55	9 40	1 42	14 43	0 23	18 25	0 48	0 19	2 8	22 27	0 0	22 7	1 3	14 52	16 22	18 31	18 28	5 54	2 12	3 37	
M19	19 35	1s12	4 37	21 48	1 1	10 7	1 41	14 56	0 22	18 23	0 48	0 17	2 8	22 28	0 0	22 7	1 3	14 52	16 22	18 31	18 27	5 56	2 11	3 37	
T 20	19 49	5 19	3 59	22 11	1 7	10 33	1 40	15 9	0 22	18 21	0 48	0 16	2 8	22 28	0 0	22 7	1 3	14 52	16 22	18 31	18 26	5 58	2 11	3 37	
W21	20 2	9 15	3 11	22 33	1 13	10 59	1 40	15 22	0 21	18 18	0 48	0 14	2 8	22 29	0 0	22 7	1 3	14 52	16 21	18 31	18 26	6 0	2 10	3 37	
T 22	20 15	12 50	2 15	22 54	1 18	11 25	1 39	15 35	0 20	18 16	0 48	0 12	2 8	22 29	0 0	22 7	1 3	14 52	16 21	18 31	18 25	6 3	2 9	3 36	
F 23	20 27	15 57	1 12	23 14	1 24	11 51	1 38	15 47	0 20	18 13	0 48	0 10	2 9	22 30	0 0	22 7	1 3	14 52	16 21	18 32	18 24	6 5	2 9	3 36	
S 24	20 39	18 23	0 5	23 33	1 29	12 16	1 37	16 0	0 19	18 11	0 48	0 8	2 9	22 30	0 0	22 7	1 3	14 52	16 21	18 32	18 23	6 7	2 8	3 36	
S 25	20 51	20 1	1n 4	23 51	1 34	12 41	1 36	16 12	0 19	18 8	0 48	0 6	2 9	22 30	0 0	22 7	1 3	14 52	16 20	18 32	18 22	6 9	2 8	3 36	
M26	21 2	20 39	2 10	24 7	1 39	13 6	1 35	16 25	0 18	18 5	0 48	0 5	2 9	22 31	0 0	22 8	1 3	14 51	16 20	18 31	18 22	6 11	2 7	3 35	
T 27	21 13	20 14	3 11	24 23	1 44	13 30	1 34	16 37	0 18	18 3	0 48	0 3	2 10	22 31	0 0	22 8	1 3	14 51	16 20	18 31	18 21	6 13	2 7	3 35	
W28	21 24	18 44	4 3	24 37	1 48	13 54	1 33	16 49	0 17	18 0	0 48	0 1	2 10	22 32	0 0	22 8	1 3	14 51	16 19	18 31	18 20	6 15	2 6	3 35	
T 29	21 34	16 12	4 43	24 49	1 53	14 18	1 32	17 1	0 17	17 57	0 48	0s 1	2 10	22 32	0 0	22 8	1 3	14 51	16 19	18 30	18 19	6 17	2 6	3 35	
F 30	21s44	12s46	5n 8	25s 1	1s57	14s41	1n31	17s13	0n16	17s55	0s48	0s 2	2n10	22s33	0s 0	22n 8	1s 3	14s51	16s19	18s30	18s18	6s19	2n 6	3n34	

ASTRODIENST EPHEMERIS for the year 2068

geocentric

DECEMBER 2068

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 42 45	9°36'55	23°47	21°45	15°35	19°43	12°19	5°11	14°38	8°R 5	0°R13	22°R53	22°M 7	7°40	27°R 0	S 1
S 2	4 46 41	10°37'43	7°43	23°17	16°50	20°24	12°29	5°15	14°41	8°4	0°Y13	22°D53	22° 4	7°46	27°K 0	S 2
M 3	4 50 38	11°38'33	21°50	24°48	18° 5	21° 5	12°39	5°20	14°45	8° 2	0°12	22°M53	22° 1	7°53	27° 0	M 3
T 4	4 54 34	12°39'23	6°Y 6	26°19	19°20	21°47	12°49	5°24	14°49	8° 1	0°12	22°54	21°58	8° 0	26°59	T 4
W 5	4 58 31	13°40'15	20°29	27°50	20°34	22°28	13° 0	5°28	14°52	7°59	0°12	22°55	21°55	8° 6	26°59	W 5
T 6	5 2 27	14°41'07	4°B56	29°20	21°49	23° 9	13°10	5°33	14°56	7°58	0°12	22°57	21°52	8°13	26°59	T 6
F 7	5 6 24	15°42'00	19°22	0°Z50	23° 4	23°50	13°21	5°37	15° 0	7°56	0°11	22°R57	21°48	8°20	26°D59	F 7
S 8	5 10 21	16°42'54	3°II43	2°19	24°19	24°32	13°32	5°41	15° 3	7°55	0°11	22°57	21°45	8°26	26°59	S 8
S 9	5 14 17	17°43'49	17°53	3°48	25°34	25°13	13°42	5°44	15° 7	7°53	0°11	22°55	21°42	8°33	26°59	S 9
M10	5 18 14	18°44'45	1°E48	5°17	26°49	25°55	13°53	5°48	15°11	7°51	0°11	22°53	21°39	8°40	26°59	M10
T 11	5 22 10	19°45'41	15°24	6°45	28° 5	26°36	14° 4	5°52	15°14	7°50	0°11	22°49	21°36	8°47	26°59	T 11
W12	5 26 7	20°46'39	28°39	8°11	29°20	27°18	14°16	5°55	15°18	7°48	0°11	22°44	21°32	8°53	27° 0	W12
T 13	5 30 3	21°47'38	11°J32	9°37	0°X35	27°59	14°27	5°59	15°22	7°47	0°11	22°39	21°29	9° 0	27° 0	T 13
F 14	5 34 0	22°48'38	24° 6	11° 2	1°50	28°41	14°38	6° 2	15°25	7°45	0°D11	22°35	21°26	9° 7	27° 0	F 14
S 15	5 37 56	23°49'38	6°II22	12°25	3° 5	29°22	14°50	6° 6	15°29	7°43	0°11	22°32	21°23	9°13	27° 1	S 15
S 16	5 41 53	24°50'40	18°24	13°47	4°20	0°X 4	15° 1	6° 9	15°33	7°42	0°11	22°31	21°20	9°20	27° 1	S 16
M17	5 45 50	25°51'43	0°A18	15° 6	5°35	0°46	15°13	6°12	15°36	7°40	0°11	22°D31	21°17	9°27	27° 2	M17
T 18	5 49 46	26°52'46	12° 7	16°23	6°50	1°28	15°24	6°15	15°40	7°38	0°11	22°32	21°13	9°33	27° 2	T 18
W19	5 53 43	27°53'51	23°58	17°38	8° 6	2° 9	15°36	6°18	15°43	7°37	0°11	22°33	21°10	9°40	27° 3	W19
T 20	5 57 39	28°54'56	5°II55	18°49	9°21	2°51	15°48	6°21	15°47	7°35	0°11	22°35	21° 7	9°47	27° 3	T 20
F 21	6 1 36	29°56'03	18° 3	19°57	10°36	3°33	16° 0	6°24	15°51	7°33	0°12	22°R36	21° 4	9°53	27° 4	F 21
S 22	6 5 32	0°Z57'10	0°X25	21° 1	11°51	4°15	16°12	6°26	15°54	7°32	0°12	22°36	21° 1	10° 0	27° 5	S 22
S 23	6 9 29	1°58'17	13° 4	21°59	13° 6	4°57	16°24	6°29	15°58	7°30	0°12	22°34	20°58	10° 7	27° 6	S 23
M24	6 13 26	2°59'25	26° 1	22°52	14°22	5°39	16°37	6°31	16° 1	7°28	0°12	22°30	20°54	10°13	27° 7	M24
T 25	6 17 22	4° 0'34	9°Z16	23°39	15°37	6°21	16°49	6°34	16° 5	7°27	0°13	22°24	20°51	10°20	27° 8	T 25
W26	6 21 19	5° 1'43	22°48	24°18	16°52	7° 3	17° 1	6°36	16° 8	7°25	0°13	22°17	20°48	10°27	27° 9	W26
T 27	6 25 15	6° 2'52	6°A34	24°49	18° 8	7°45	17°14	6°38	16°12	7°23	0°13	22° 9	20°45	10°33	27°10	T 27
F 28	6 29 12	7° 4'02	20°30	25°11	19°23	8°27	17°26	6°40	16°16	7°21	0°13	22° 2	20°42	10°40	27°11	F 28
S 29	6 33 8	8° 5'11	4°K34	25°23	20°38	9° 9	17°39	6°42	16°19	7°20	0°14	21°56	20°38	10°47	27°12	S 29
S 30	6 37 5	9° 6'20	18°41	25°R24	21°53	9°51	17°52	6°44	16°22	7°18	0°14	21°52	20°35	10°53	27°13	S 30
M31	6 41 1	10°Z 7'29	2°Y49	25°Z14	23°X 9	10°X34	18°A 5	6°45	16°26	7°16	0°Y15	21°M50	20°M32	11°A 0	27°K14	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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Julian Day Number = 2476716.5, Delta T = 80.63 sec
 Ecliptic obliquity = 23°25'43, Nutation = 0°00'13, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°42'11, Lahiri = 24°49'12