



Astrodienst Ephemeris Tables for the year 1968

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 1968

geocentric

JANUARY 1968

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	6 38 53	9°37'43	20°57	11°24	28°52	23°26	5°R41	6°Y 6	29°13	25°M38	22°R51	24°R46	24°Y 0	11°B 9	25°H34	M 1
T 2	6 42 49	10°38'54	5°00	13° 1	0°X 4	24°13	5°M40	6° 9	29°13	25°40	22°M51	24°Y34	23°56	11°15	25°36	T 2
W 3	6 46 46	11°40'05	18°38	14°39	1°16	25° 0	5°37	6°11	29°13	25°42	22°51	24°23	23°53	11°22	25°37	W 3
T 4	6 50 42	12°41'15	1°H51	16°16	2°28	25°47	5°35	6°14	29°R13	25°44	22°50	24°15	23°50	11°29	25°39	T 4
F 5	6 54 39	13°42'26	14°39	17°54	3°40	26°34	5°32	6°17	29°13	25°45	22°50	24° 9	23°47	11°35	25°40	F 5
S 6	6 58 36	14°43'36	27° 4	19°33	4°52	27°20	5°30	6°20	29°13	25°47	22°50	24° 6	23°44	11°42	25°42	S 6
S 7	7 2 32	15°44'46	9°Y12	21°11	6° 4	28° 7	5°27	6°23	29°13	25°49	22°49	24° 4	23°41	11°49	25°43	S 7
M 8	7 6 29	16°45'55	21° 7	22°50	7°16	28°54	5°24	6°26	29°13	25°50	22°49	24° 4	23°37	11°55	25°45	M 8
T 9	7 10 25	17°47'04	2°B56	24°30	8°29	29°41	5°20	6°29	29°12	25°52	22°49	24° 4	23°34	12° 2	25°47	T 9
W10	7 14 22	18°48'12	14°43	26° 9	9°41	0°H28	5°17	6°32	29°12	25°53	22°48	24° 3	23°31	12° 9	25°49	W10
T 11	7 18 18	19°49'20	26°34	27°49	10°53	1°14	5°13	6°36	29°12	25°55	22°48	23°59	23°28	12°15	25°50	T 11
F 12	7 22 15	20°50'28	8°II34	29°29	12° 6	2° 1	5° 9	6°39	29°11	25°56	22°47	23°53	23°25	12°22	25°52	F 12
S 13	7 26 11	21°51'35	20°45	1°X10	13°18	2°48	5° 5	6°43	29°11	25°58	22°46	23°43	23°21	12°29	25°54	S 13
S 14	7 30 8	22°52'42	3°B11	2°50	14°31	3°35	5° 1	6°46	29°10	25°59	22°46	23°32	23°18	12°35	25°56	S 14
M15	7 34 5	23°53'48	15°53	4°31	15°44	4°22	4°57	6°50	29°10	26° 1	22°45	23°18	23°15	12°42	25°58	M15
T 16	7 38 1	24°54'54	28°49	6°11	16°56	5° 8	4°52	6°54	29° 9	26° 2	22°45	23° 4	23°12	12°49	26° 0	T 16
W17	7 41 58	25°55'59	12°Q 0	7°51	18° 9	5°55	4°48	6°58	29° 9	26° 3	22°44	22°51	23° 9	12°55	26° 2	W17
T 18	7 45 54	26°57'03	25°24	9°31	19°22	6°42	4°43	7° 2	29° 8	26° 5	22°43	22°39	23° 6	13° 2	26° 4	T 18
F 19	7 49 51	27°58'08	8°M57	11°11	20°35	7°28	4°38	7° 6	29° 7	26° 6	22°42	22°31	23° 2	13° 8	26° 7	F 19
S 20	7 53 47	28°59'12	22°39	12°50	21°48	8°15	4°33	7°10	29° 6	26° 7	22°42	22°26	22°59	13°15	26° 9	S 20
S 21	7 57 44	0°X 0'15	6°A28	14°27	23° 1	9° 2	4°27	7°15	29° 5	26° 8	22°41	22°23	22°56	13°22	26°11	S 21
M22	8 1 40	1° 1'18	20°23	16° 4	24°14	9°48	4°22	7°19	29° 4	26°10	22°40	22°D22	22°53	13°28	26°13	M22
T 23	8 5 37	2° 2'21	4°M25	17°40	25°27	10°35	4°16	7°23	29° 3	26°11	22°39	22°R22	22°50	13°35	26°16	T 23
W24	8 9 34	3° 3'23	18°32	19°13	26°40	11°22	4°10	7°28	29° 2	26°12	22°38	22°22	22°47	13°42	26°18	W24
T 25	8 13 30	4° 4'25	2°X44	20°44	27°53	12° 8	4° 5	7°32	29° 1	26°13	22°37	22°19	22°43	13°48	26°21	T 25
F 26	8 17 27	5° 5'27	16°59	22°13	29° 6	12°55	3°59	7°37	29° 0	26°14	22°36	22°14	22°40	13°55	26°23	F 26
S 27	8 21 23	6° 6'28	1°B13	23°38	0°B20	13°41	3°52	7°42	28°59	26°15	22°35	22° 5	22°37	14° 2	26°26	S 27
S 28	8 25 20	7° 7'29	15°22	24°59	1°33	14°28	3°46	7°47	28°58	26°16	22°34	21°55	22°34	14° 8	26°28	S 28
M29	8 29 16	8° 8'28	29°22	26°16	2°46	15°15	3°40	7°52	28°56	26°17	22°33	21°43	22°31	14°15	26°31	M29
T 30	8 33 13	9° 9'27	13°X 7	27°27	4° 0	16° 1	3°33	7°57	28°55	26°18	22°32	21°30	22°27	14°22	26°33	T 30
W31	8 37 10	10°10'24	26°X33	28°X33	5°B13	16°H48	3°M26	8°Y 2	28°M54	26°M19	22°M31	21°Y19	22°Y24	14°B28	26°H36	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
M 1	23s 6	26s46	5s 1	24s49	1s52	17s43	2n15	14s46	1s 7	10n26	1n 4	0n11	2s26	1n 1	0n46	17s32	1n41	16n49	15n16	9n36	9n19	16n37	1n27	3n29	
T 2	23 1	23 49	4 56	24 43	1 55	17 59	2 14	14 30	1 6	10 27	1 5	0 12	2 26	1 1	0 46	17 32	1 41	16 50	15 17	9 31	9 17	16 40	1 27	3 29	
W 3	22 56	19 36	4 35	24 35	1 58	18 16	2 12	14 13	1 6	10 28	1 5	0 14	2 26	1 1	0 46	17 33	1 41	16 50	15 17	9 27	9 16	16 43	1 27	3 29	
T 4	22 50	14 33	4 0	24 26	2 0	18 31	2 11	13 57	1 5	10 29	1 5	0 15	2 26	1 1	0 46	17 33	1 41	16 51	15 18	9 24	9 15	16 46	1 28	3 29	
F 5	22 44	9 1	3 13	24 16	2 2	18 47	2 9	13 40	1 4	10 30	1 6	0 16	2 25	1 1	0 46	17 33	1 41	16 51	15 18	9 22	9 14	16 49	1 28	3 28	
S 6	22 38	3 17	2 18	24 4	2 4	19 2	2 7	13 24	1 4	10 31	1 6	0 18	2 25	1 1	0 46	17 34	1 42	16 52	15 19	9 21	9 13	16 52	1 28	3 28	
S 7	22 31	2n27	1 18	23 51	2 6	19 16	2 5	13 7	1 3	10 32	1 6	0 19	2 25	1 1	0 46	17 34	1 42	16 53	15 19	9 20	9 12	16 55	1 29	3 28	
M 8	22 24	8 0	0 16	23 35	2 7	19 30	2 3	12 50	1 2	10 34	1 6	0 20	2 25	1 1	0 46	17 35	1 42	16 53	15 20	9 20	9 10	16 57	1 29	3 28	
T 9	22 16	13 13	0n47	23 19	2 7	19 44	2 1	12 33	1 2	10 35	1 7	0 22	2 24	1 1	0 46	17 35	1 42	16 54	15 20	9 20	9 9	17 0	1 30	3 27	
W10	22 8	17 58	1 47	23 1	2 7	19 57	1 59	12 16	1 1	10 37	1 7	0 23	2 24	1 1	0 46	17 35	1 42	16 55	15 21	9 20	9 8	17 3	1 30	3 27	
T 11	21 59	22 2	2 43	22 41	2 7	20 9	1 57	11 59	1 0	10 38	1 7	0 25	2 24	1 2	0 46	17 35	1 42	16 55	15 21	9 18	9 7	17 6	1 31	3 27	
F 12	21 50	25 14	3 32	22 19	2 6	20 21	1 55	11 41	1 0	10 40	1 7	0 27	2 24	1 2	0 46	17 36	1 42	16 56	15 22	9 16	9 6	17 9	1 31	3 27	
S 13	21 40	27 19	4 12	21 56	2 5	20 33	1 52	11 24	0 59	10 42	1 8	0 28	2 23	1 2	0 46	17 36	1 42	16 57	15 22	9 13	9 5	17 12	1 32	3 26	
S 14	21 30	28 6	4 41	21 32	2 4	20 44	1 50	11 6	0 58	10 43	1 8	0 30	2 23	1 2	0 46	17 36	1 42	16 57	15 23	9 8	9 3	17 14	1 32	3 26	
M15	21 20	27 25	4 57	21 6	2 1	20 54	1 48	10 48	0 58	10 45	1 8	0 32	2 23	1 2	0 46	17 37	1 42	16 58	15 23	9 3	9 2	17 17	1 33	3 26	
T 16	21 9	25 16	4 58	20 39	1 58	21 4	1 45	10 31	0 57	10 47	1 8	0 33	2 23	1 3	0 46	17 37	1 42	16 59	15 24	8 58	9 1	17 20	1 34	3 26	
W17	20 58	21 44	4 43	20 10	1 55	21 13	1 43	10 13	0 56	10 49	1 9	0 35	2 23	1 3	0 46	17 37	1 42	16 59	15 24	8 53	9 0	17 23	1 34	3 26	
T 18	20 46	17 1	4 13	19 39	1 51	21 22	1 40	9 55	0 55	10 51	1 9	0 37	2 22	1 3	0 46	17 37	1 42	17 0	15 25	8 49	8 59	17 26	1 35	3 25	
F 19	20 34	11 25	3 28	19 8	1 46	21 30	1 37	9 37	0 55	10 53	1 9	0 39	2 22	1 4	0 47	17 38	1 42	17 1	15 25	8 46	8 58	17 29	1 35	3 25	
S 20	20 22	5 13	2 30	18 35	1 41	21 37	1 35	9 19	0 54	10 55	1 9	0 40	2 22	1 4	0 47	17 38	1 42	17 2	15 26	8 44	8 56	17 31	1 36	3 25	
S 21	20 9	1s18	1 23	18 0	1 35	21 44	1 32	9 1	0 53	10 57	1 9	0 42	2 22	1 4	0 47	17 38	1 42	17 3	15 26	8 43	8 55	17 34	1 37	3 25	
M22	19 56	7 48	0 10	17 25	1 28	21 50	1 29	8 42	0 53	11 0	1 10	0 44	2 21	1 5	0 47	17 38	1 42	17 3	15 26	8 43	8 54	17 37	1 38	3 25	
T 23	19 43	13 59	1s 3	16 49	1 20	21 56	1 26	8 24	0 52	11 2	1 10	0 46	2 21	1 5	0 47	17 39	1 42	17 4	15 27	8 43	8 53	17 40	1 38	3 24	
W24	19 29	19 29	2 14	16 12	1 12	22 1	1 24	8 6	0 51	11 4	1 10	0 48	2 21	1 6	0 47	17 39	1 42	17 4	15 27	8 42	8 52	17 43	1 39	3 24	
T 25	19 15	23 55	3 16	15 34	1 2	22 5	1 21	7 47	0 51	11 7	1 10	0 50	2 21	1 6	0 47	17 39	1 42	17 5	15 28	8 41	8 50	17 45	1 40	3 24	
F 26	19 0	26 54	4 7	14 56	0 52	22 9	1 18	7 29	0 50	11 9	1 11	0 52	2 21	1 7	0 47	17 39	1 42	17 6	15 28	8 39	8 49	17 48	1 41	3 24	
S 27	18 45	28 8	4 42	14 18	0 41	22 12	1 15	7 10	0 49	11 11	1 11	0 54	2 20	1 7	0 47	17 40	1 43	17 7	15 29	8 36	8 48	17 51	1 41	3 23	
S 28	18 30	27 31	4 59	13 39	0 29	22 14	1 12	6 52	0 48	11 14	1 11	0 56	2 20	1 8	0 47	17 40	1 43	17 8	15 29	8 32	8 47	17 54	1 42	3 23	
M29	18 14	25 9	4 58	13 1	0 16	22 16	1 9	6 33	0 48	11 16	1 11	0 58	2 20	1 8	0 47	17 40	1 43	17 8	15 29	8 28	8 46	17 57	1 43	3 23	
T 30	17 58	21 22	4 40	12 24	0 3	22 17	1 6	6 14	0 47	11 19	1 11	1 1	2 20	1 9	0 47	17 40	1 43	17 9	15 30	8 23	8 45	17 59	1 44	3 23	
W31	17s42	16s32	4s 7	11s48	0n12	22s18	1n 3	5s56	0s46	11n22	1n12	1n 3	2s20	1n 9	0n47	17s40	1n43	17n10	15n30	8n19	8n43	18n 2	1n45	3n23	

ASTRODIENST EPHEMERIS for the year 1968
geocentric

FEBRUARY 1968

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 41 6	11 ^h 11'21"	9 ^h 38'	29 ^h 32'	6 ^h 26'	17 ^h 34'	3 ^h R20	8 ^h 7'	28 ^h R52	26 ^h M20	22 ^h R30	21 ^h R10	22 ^h Y21	14 ^h 8'35"	26 ^h 39'	T 1
F 2	8 45 3	12 ^h 12'16"	22 ^h 23'	0 ^h 22'	7 ^h 40'	18 ^h 21'	3 ^h M13	8 ^h 12'	28 ^h M51	26 ^h 21'	22 ^h M29	21 ^h Y 4	22 ^h 18'	14 ^h 42'	26 ^h 41'	F 2
S 3	8 48 59	13 ^h 13'10"	4 ^h Y48	1 ^h 5'	8 ^h 53'	19 ^h 7'	3 ^h 6'	8 ^h 18'	28 ^h 49'	26 ^h 22'	22 ^h 28'	21 ^h 0'	22 ^h 15'	14 ^h 48'	26 ^h 44'	S 3
S 4	8 52 56	14 ^h 14'03"	16 ^h 57'	1 ^h 38'	10 ^h 7'	19 ^h 53'	2 ^h 59'	8 ^h 23'	28 ^h 48'	26 ^h 23'	22 ^h 27'	20 ^h D59	22 ^h 12'	14 ^h 55'	26 ^h 47'	S 4
M 5	8 56 52	15 ^h 14'54"	28 ^h 53'	2 ^h 2'	11 ^h 20'	20 ^h 40'	2 ^h 51'	8 ^h 28'	28 ^h 46'	26 ^h 23'	22 ^h 26'	20 ^h 59'	22 ^h 8'	15 ^h 2'	26 ^h 50'	M 5
T 6	9 0 49	16 ^h 15'44"	10 ^h 8'43"	2 ^h 15'	12 ^h 34'	21 ^h 26'	2 ^h 44'	8 ^h 34'	28 ^h 44'	26 ^h 24'	22 ^h 24'	20 ^h R59	22 ^h 5'	15 ^h 8'	26 ^h 53'	T 6
W 7	9 4 45	17 ^h 16'32"	22 ^h 31'	2 ^h R17	13 ^h 47'	22 ^h 12'	2 ^h 37'	8 ^h 40'	28 ^h 43'	26 ^h 25'	22 ^h 23'	20 ^h 59'	22 ^h 2'	15 ^h 15'	26 ^h 56'	W 7
T 8	9 8 42	18 ^h 17'20"	4 ^h II24	2 ^h 8'	15 ^h 1'	22 ^h 59'	2 ^h 29'	8 ^h 45'	28 ^h 41'	26 ^h 25'	22 ^h 22'	20 ^h 58'	21 ^h 59'	15 ^h 22'	26 ^h 59'	T 8
F 9	9 12 38	19 ^h 18'05"	16 ^h 25'	1 ^h 48'	16 ^h 14'	23 ^h 45'	2 ^h 22'	8 ^h 51'	28 ^h 39'	26 ^h 26'	22 ^h 21'	20 ^h 54'	21 ^h 56'	15 ^h 28'	27 ^h 2'	F 9
S 10	9 16 35	20 ^h 18'49"	28 ^h 40'	1 ^h 18'	17 ^h 28'	24 ^h 31'	2 ^h 14'	8 ^h 57'	28 ^h 37'	26 ^h 27'	22 ^h 19'	20 ^h 48'	21 ^h 53'	15 ^h 35'	27 ^h 5'	S 10
S 11	9 20 32	21 ^h 19'32"	11 ^h 8'13"	0 ^h 38'	18 ^h 41'	25 ^h 17'	2 ^h 7'	9 ^h 3'	28 ^h 35'	26 ^h 27'	22 ^h 18'	20 ^h 39'	21 ^h 49'	15 ^h 42'	27 ^h 8'	S 11
M12	9 24 28	22 ^h 20'13"	24 ^h 5'	29 ^h 49'	19 ^h 55'	26 ^h 3'	1 ^h 59'	9 ^h 9'	28 ^h 33'	26 ^h 28'	22 ^h 17'	20 ^h 29'	21 ^h 46'	15 ^h 48'	27 ^h 11'	M12
T 13	9 28 25	23 ^h 20'52"	7 ^h 8'17"	28 ^h 53'	21 ^h 9'	26 ^h 50'	1 ^h 51'	9 ^h 15'	28 ^h 31'	26 ^h 28'	22 ^h 15'	20 ^h 19'	21 ^h 43'	15 ^h 55'	27 ^h 14'	T 13
W14	9 32 21	24 ^h 21'30"	20 ^h 48'	27 ^h 50'	22 ^h 22'	27 ^h 36'	1 ^h 43'	9 ^h 21'	28 ^h 30'	26 ^h 29'	22 ^h 14'	20 ^h 9'	21 ^h 40'	16 ^h 2'	27 ^h 17'	W14
T 15	9 36 18	25 ^h 22'07"	4 ^h III36	26 ^h 44'	23 ^h 36'	28 ^h 22'	1 ^h 36'	9 ^h 27'	28 ^h 27'	26 ^h 29'	22 ^h 13'	20 ^h 1'	21 ^h 37'	16 ^h 8'	27 ^h 20'	T 15
F 16	9 40 14	26 ^h 22'42"	18 ^h 36'	25 ^h 35'	24 ^h 50'	29 ^h 8'	1 ^h 28'	9 ^h 33'	28 ^h 25'	26 ^h 30'	22 ^h 11'	19 ^h 54'	21 ^h 33'	16 ^h 15'	27 ^h 23'	F 16
S 17	9 44 11	27 ^h 23'16"	2 ^h 45'	24 ^h 26'	26 ^h 4'	29 ^h 54'	1 ^h 20'	9 ^h 39'	28 ^h 23'	26 ^h 30'	22 ^h 10'	19 ^h 51'	21 ^h 30'	16 ^h 22'	27 ^h 26'	S 17
S 18	9 48 7	28 ^h 23'48"	16 ^h 58'	23 ^h 19'	27 ^h 17'	0 ^h Y40	1 ^h 12'	9 ^h 45'	28 ^h 21'	26 ^h 30'	22 ^h 8'	19 ^h D49	21 ^h 27'	16 ^h 28'	27 ^h 29'	S 18
M19	9 52 4	29 ^h 24'19"	1 ^h M11	22 ^h 14'	28 ^h 31'	1 ^h 26'	1 ^h 4'	9 ^h 52'	28 ^h 19'	26 ^h 31'	22 ^h 7'	19 ^h 50'	21 ^h 24'	16 ^h 35'	27 ^h 33'	M19
T 20	9 56 1	0 ^h X24'49"	15 ^h 23'	21 ^h 13'	29 ^h 45'	2 ^h 11'	0 ^h 56'	9 ^h 58'	28 ^h 17'	26 ^h 31'	22 ^h 6'	19 ^h 51'	21 ^h 21'	16 ^h 41'	27 ^h 36'	T 20
W21	9 59 57	1 ^h 25'18"	29 ^h 32'	20 ^h 18'	0 ^h 59'	2 ^h 57'	0 ^h 48'	10 ^h 4'	28 ^h 15'	26 ^h 31'	22 ^h 4'	19 ^h R52	21 ^h 18'	16 ^h 48'	27 ^h 39'	W21
T 22	10 3 54	2 ^h 25'45"	13 ^h 7'36"	19 ^h 29'	2 ^h 12'	3 ^h 43'	0 ^h 40'	10 ^h 11'	28 ^h 12'	26 ^h 31'	22 ^h 3'	19 ^h 51'	21 ^h 14'	16 ^h 55'	27 ^h 42'	T 22
F 23	10 7 50	3 ^h 26'12"	27 ^h 34'	18 ^h 47'	3 ^h 26'	4 ^h 29'	0 ^h 33'	10 ^h 17'	28 ^h 10'	26 ^h 32'	22 ^h 1'	19 ^h 48'	21 ^h 11'	17 ^h 1'	27 ^h 46'	F 23
S 24	10 11 47	4 ^h 26'36"	11 ^h 8'25"	18 ^h 12'	4 ^h 40'	5 ^h 15'	0 ^h 25'	10 ^h 24'	28 ^h 8'	26 ^h 32'	22 ^h 0'	19 ^h 44'	21 ^h 8'	17 ^h 8'	27 ^h 49'	S 24
S 25	10 15 43	5 ^h 27'00"	25 ^h 7'	17 ^h 45'	5 ^h 54'	6 ^h 0'	0 ^h 17'	10 ^h 31'	28 ^h 6'	26 ^h 32'	21 ^h 58'	19 ^h 38'	21 ^h 5'	17 ^h 15'	27 ^h 52'	S 25
M26	10 19 40	6 ^h 27'22"	8 ^h 39'	17 ^h 25'	7 ^h 8'	6 ^h 46'	0 ^h 9'	10 ^h 37'	28 ^h 3'	26 ^h 32'	21 ^h 57'	19 ^h 30'	21 ^h 2'	17 ^h 21'	27 ^h 56'	M26
T 27	10 23 37	7 ^h 27'42"	21 ^h 58'	17 ^h 12'	8 ^h 22'	7 ^h 32'	0 ^h 1'	10 ^h 44'	28 ^h 1'	26 ^h R32	21 ^h 55'	19 ^h 22'	20 ^h 59'	17 ^h 28'	27 ^h 59'	T 27
W28	10 27 33	8 ^h 28'01"	5 ^h X 2	17 ^h D 6	9 ^h 36'	8 ^h 17'	29 ^h 8'53"	10 ^h 51'	27 ^h 58'	26 ^h 32'	21 ^h 53'	19 ^h 15'	20 ^h 55'	17 ^h 35'	28 ^h 3'	W28
T 29	10 31 30	9 ^h X28'17"	17 ^h X51	17 ^h 7	10 ^h 55'	9 ^h Y 3	29 ^h 8'46"	10 ^h Y58	27 ^h M56	26 ^h M32	21 ^h M52	19 ^h Y10	20 ^h Y52	17 ^h 8'41"	28 ^h X 6	T 29

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	
T 1	17s25	11s 3	3s21	11s14	0n27	22s18	1n 0	5s37	0s45	11n24	1n12	1n 5	2s20	1n10	0n47	17s40	1n43	17n11	15n31	8n16	8n42	18n 5	1n46	3n23						
F 2	17 8	5 15	2 26	10 41	0 42	22 17	0 57	5 18	0 45	11 27	1 12	1 7	2 19	1 11	0 47	17 41	1 43	17 12	15 31	8 13	8 41	18 8	1 47	3 22						
S 3	16 51	0n36	1 25	10 11	0 59	22 15	0 54	4 59	0 44	11 30	1 12	1 10	2 19	1 11	0 47	17 41	1 43	17 12	15 31	8 12	8 40	18 10	1 48	3 22						
S 4	16 34	6 20	0 21	9 43	1 15	22 13	0 51	4 40	0 43	11 32	1 12	1 12	2 19	1 12	0 47	17 41	1 43	17 13	15 32	8 11	8 39	18 13	1 49	3 22						
M 5	16 16	11 44	0n42	9 19	1 32	22 10	0 47	4 21	0 43	11 35	1 12	1 14	2 19	1 13	0 47	17 41	1 43	17 14	15 32	8 11	8 37	18 16	1 50	3 22						
T 6	15 58	16 41	1 43	8 59	1 49	22 7	0 44	4 2	0 42	11 38	1 13	1 16	2 19	1 13	0 47	17 41	1 43	17 15	15 33	8 12	8 36	18 19	1 51	3 22						
W 7	15 40	20 59	2 40	8 42	2 6	22 3	0 41	3 43	0 41	11 41	1 13	1 19	2 18	1 14	0 47	17 41	1 43	17 16	15 33	8 12	8 35	18 21	1 52	3 21						
T 8	15 21	24 28	3 30	8 30	2 23	21 58	0 38	3 24	0 40	11 43	1 13	1 21	2 18	1 15	0 47	17 41	1 43	17 16	15 33	8 11	8 34	18 24	1 53	3 21						
F 9	15 2	26 56	4 12	8 22	2 38	21 53	0 35	3 5	0 40	11 46	1 13	1 24	2 18	1 16	0 47	17 41	1 43	17 17	15 34	8 10	8 33	18 27	1 54	3 21						
S 10	14 43	28 9	4 42	8 19	2 53	21 47	0 32	2 46	0 39	11 49	1 13	1 26	2 18	1 16	0 47	17 41	1 43	17 18	15 34	8 7	8 32	18 30	1 55	3 21						
S 11	14 24	27 58	5 0	8 21	3 6	21 40	0 29	2 27	0 38	11 52	1 13	1 28	2 18	1 17	0 47	17 42	1 43	17 19	15 34	8 4	8 30	18 32	1 56	3 21						
M12	14 4	26 17	5 4	8 27	3 17	21 33	0 26	2 8	0 37	11 55	1 13	1 31	2 18	1 18	0 47	17 42	1 43	17 20	15 35	8 0	8 29	18 35	1 57	3 21						
T 13	13 44	23 9	4 52	8 38	3 27	21 25	0 23	1 49	0 37	11 58	1 14	1 33	2 17	1 19	0 47	17 42	1 43	17 20	15 35	7 56	8 28	18 38	1 58	3 20						
W14	13 24	18 42	4 23	8 52	3 35	21 16	0 19	1 30	0 36	12 1	1 14	1 36	2 17	1 19	0 47	17 42	1 43	17 21	15 35	7 53	8 27	18 40	1 59	3 20						
T 15	13 4	13 12	3 38	9 10	3 40	21 7	0 16	1 11	0 35	12 4	1 14	1 38	2 17	1 20	0 47	17 42	1 44	17 22	15 35	7 49	8 26	18 43	2 0	3 20						
F 16	12 44	6 57	2 39	9 30	3 43	20 57	0 13	0 52	0 35	12 6	1 14	1 41	2 17	1 21	0 47	17 42	1 44	17 23	15 36	7 47	8 24	18 46	2 1	3 20						
S 17	12 23	0 17	1 31	9 52	3 43	20 46	0 10	0 33	0 34	12 9	1 14	1 44	2 17	1 22	0 47	17 42	1 44	17 24	15 36	7 46	8 23	18 49	2 2	3 20						
S 18	12 2	6s26	0 15	10 16	3 41	20 35	0 7	0 15	0 33	12 12	1 14	1 46	2 17	1 23	0 47	17 42	1 44	17 25	15 36	7 45	8 22	18 51	2 3	3 20						
M19	11 41	12 50	1s 1	10 40	3 37	20 24	0 4	0n 4	0 32	12 15	1 14	1 49	2 17	1 24	0 47	17 42	1 44	17 25	15 37	7 45	8 21	18 54	2 4	3 20						
T 20	11 20	18 35	2 13	11 5	3 32	20 11	0 1	0 23	0 32	12 18	1 14	1 51	2 16	1 25	0 47	17 42	1 44	17 26	15 37	7 46	8 20	18 57	2 6	3 19						
W21	10 58	23 16	3 17	11 30	3 24	19 59	0s 2	0 42	0 31	12 21	1 14	1 54	2 16	1 25	0 47	17 42	1 44	17 27	15 37	7 46	8 18	18 59	2 7	3 19						
T 22	10 37	26 34	4 9	11 54	3 15	19 45	0 5	1 1	0 30	12 24	1 14	1 57	2 16	1 26	0 47	17 42	1 44	17 28	15 37	7 46	8 17	19 2	2 8	3 19						
F 23	10 15	28 11	4 46	12 17	3 4	19 31	0 8	1 20	0 29	12 27	1 15	1 59	2 16	1 27	0 48	17 42	1 44	17 29	15 37	7 45	8 16	19 5	2 9	3 19						
S 24	9 53	28 1	5 5	12 38	2 53	19 16	0 11	1 39	0 29	12 30	1 15	2 2	2 16	1 28	0 48	17 42	1 44	17 29	15 38	7 43	8 15	19 7	2 10	3 19						
S 25	9 31	26 9	5 7	12 58	2 41	19 1	0 13	1 58	0 28	12 32	1 15	2 5	2 16	1 29	0 48	17 42	1 44	17 30	15 38	7 41	8 14	19 10	2 12	3 19						
M26	9 9	22 47	4 52	13 16	2 28	18 45	0 16	2 16	0 27	12 35	1 15	2 7	2 16	1 30	0 48	17 42	1 44	17 31	15 38	7 38	8 12	19 13	2 13	3 19						
T 27	8 46	18 18	4 20	13 33	2 15	18 29	0 19	2 35	0 26	12 38	1 15	2 10	2 16	1 31	0 48	17 42	1 44	17 32	15 38	7 35	8 11	19 15	2 14	3 18						
W28	8 24	13 1	3 36	13 47	2 1	18 12	0 22	2 54	0 26	12 41	1 15	2 13	2 16	1 32	0 48	17 42	1 44	17 33	15 38	7 32	8 10	19 18	2 15	3 18						
T 29	8s 1	7s17	2s41	14s 0	1n48	17s55	0s25	3n12	0s25	12n44	1n15	2n16	2s15	1n33	0n48	17s42	1n44	17n33	15n39	7n30	8n 9	19n21	2n17	3n18						

ASTRODIENST EPHEMERIS for the year 1968

geocentric

MARCH 1968

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 35 26	10 ^h 28'32"	0 ^h 24'	17 ^h 14'	12 ^h 33'	9 ^h 48'	29 ^h 38'	11 ^h 04'	27 ^h 54'	26 ^h 32'	21 ^h 50'	19 ^h 06'	20 ^h 49'	17 ^h 48'	28 ^h 09'	F 1
S 2	10 39 23	11 ^h 28'45"	12 ^h 42'	17 ^h 28'	13 ^h 17'	10 ^h 34'	29 ^h 03'	11 ^h 11'	27 ^h 51'	26 ^h 32'	21 ^h 49'	19 ^h 04'	20 ^h 46'	17 ^h 55'	28 ^h 13'	S 2
S 3	10 43 19	12 ^h 28'56"	24 ^h 47'	17 ^h 47'	14 ^h 31'	11 ^h 19'	29 ^h 23'	11 ^h 18'	27 ^h 49'	26 ^h 32'	21 ^h 47'	19 ^h 04'	20 ^h 43'	18 ^h 01'	28 ^h 16'	S 3
M 4	10 47 16	13 ^h 29'06"	6 ^h 43'	18 ^h 11'	15 ^h 45'	12 ^h 05'	29 ^h 15'	11 ^h 25'	27 ^h 46'	26 ^h 31'	21 ^h 46'	19 ^h 06'	20 ^h 39'	18 ^h 08'	28 ^h 20'	M 4
T 5	10 51 12	14 ^h 29'13"	18 ^h 33'	18 ^h 40'	16 ^h 59'	12 ^h 50'	29 ^h 08'	11 ^h 32'	27 ^h 44'	26 ^h 31'	21 ^h 44'	19 ^h 07'	20 ^h 36'	18 ^h 15'	28 ^h 23'	T 5
W 6	10 55 9	15 ^h 29'18"	0 ^h 21'	19 ^h 14'	18 ^h 13'	13 ^h 35'	29 ^h 00'	11 ^h 39'	27 ^h 41'	26 ^h 31'	21 ^h 42'	19 ^h 09'	20 ^h 33'	18 ^h 21'	28 ^h 27'	W 6
T 7	10 59 5	16 ^h 29'21"	12 ^h 14'	19 ^h 52'	19 ^h 27'	14 ^h 21'	28 ^h 53'	11 ^h 46'	27 ^h 39'	26 ^h 31'	21 ^h 41'	19 ^h 10'	20 ^h 30'	18 ^h 28'	28 ^h 30'	T 7
F 8	11 3 2	17 ^h 29'22"	24 ^h 14'	20 ^h 35'	20 ^h 41'	15 ^h 06'	28 ^h 46'	11 ^h 53'	27 ^h 36'	26 ^h 30'	21 ^h 39'	19 ^h 10'	20 ^h 27'	18 ^h 35'	28 ^h 34'	F 8
S 9	11 6 59	18 ^h 29'21"	6 ^h 29'	21 ^h 21'	21 ^h 55'	15 ^h 51'	28 ^h 39'	12 ^h 01'	27 ^h 33'	26 ^h 30'	21 ^h 38'	19 ^h 08'	20 ^h 24'	18 ^h 41'	28 ^h 37'	S 9
S 10	11 10 55	19 ^h 29'17"	19 ^h 02'	22 ^h 10'	23 ^h 09'	16 ^h 36'	28 ^h 32'	12 ^h 08'	27 ^h 31'	26 ^h 30'	21 ^h 36'	19 ^h 06'	20 ^h 20'	18 ^h 48'	28 ^h 41'	S 10
M 11	11 14 52	20 ^h 29'11"	1 ^h 05'	23 ^h 03'	24 ^h 23'	17 ^h 21'	28 ^h 25'	12 ^h 15'	27 ^h 28'	26 ^h 29'	21 ^h 34'	19 ^h 02'	20 ^h 17'	18 ^h 55'	28 ^h 44'	M 11
T 12	11 18 48	21 ^h 29'04"	15 ^h 14'	23 ^h 58'	25 ^h 37'	18 ^h 06'	28 ^h 18'	12 ^h 22'	27 ^h 26'	26 ^h 29'	21 ^h 33'	18 ^h 57'	20 ^h 14'	19 ^h 01'	28 ^h 48'	T 12
W 13	11 22 45	22 ^h 28'54"	28 ^h 56'	24 ^h 57'	26 ^h 50'	18 ^h 51'	28 ^h 12'	12 ^h 29'	27 ^h 23'	26 ^h 28'	21 ^h 31'	18 ^h 53'	20 ^h 11'	19 ^h 08'	28 ^h 51'	W 13
T 14	11 26 41	23 ^h 28'42"	12 ^h 59'	25 ^h 58'	28 ^h 04'	19 ^h 36'	28 ^h 05'	12 ^h 37'	27 ^h 21'	26 ^h 28'	21 ^h 29'	18 ^h 50'	20 ^h 08'	19 ^h 15'	28 ^h 55'	T 14
F 15	11 30 38	24 ^h 28'27"	27 ^h 21'	27 ^h 02'	29 ^h 18'	20 ^h 21'	27 ^h 59'	12 ^h 44'	27 ^h 18'	26 ^h 27'	21 ^h 28'	18 ^h 47'	20 ^h 04'	19 ^h 21'	28 ^h 59'	F 15
S 16	11 34 34	25 ^h 28'11"	11 ^h 05'	28 ^h 08'	0 ^h 32'	21 ^h 06'	27 ^h 52'	12 ^h 51'	27 ^h 15'	26 ^h 27'	21 ^h 26'	18 ^h 46'	20 ^h 01'	19 ^h 28'	29 ^h 02'	S 16
S 17	11 38 31	26 ^h 27'53"	26 ^h 36'	29 ^h 17'	1 ^h 46'	21 ^h 51'	27 ^h 46'	12 ^h 59'	27 ^h 13'	26 ^h 26'	21 ^h 25'	18 ^h 46'	19 ^h 58'	19 ^h 35'	29 ^h 06'	S 17
M 18	11 42 28	27 ^h 27'33"	11 ^h 16'	0 ^h 27'	3 ^h 00'	22 ^h 35'	27 ^h 40'	13 ^h 06'	27 ^h 10'	26 ^h 26'	21 ^h 23'	18 ^h 47'	19 ^h 55'	19 ^h 41'	29 ^h 09'	M 18
T 19	11 46 24	28 ^h 27'12"	25 ^h 51'	1 ^h 40'	4 ^h 14'	23 ^h 20'	27 ^h 34'	13 ^h 13'	27 ^h 07'	26 ^h 25'	21 ^h 21'	18 ^h 48'	19 ^h 52'	19 ^h 48'	29 ^h 13'	T 19
W 20	11 50 21	29 ^h 26'49"	10 ^h 15'	2 ^h 55'	5 ^h 28'	24 ^h 05'	27 ^h 28'	13 ^h 21'	27 ^h 05'	26 ^h 24'	21 ^h 20'	18 ^h 49'	19 ^h 49'	19 ^h 55'	29 ^h 16'	W 20
T 21	11 54 17	0 ^h 26'24"	24 ^h 25'	4 ^h 11'	6 ^h 42'	24 ^h 49'	27 ^h 23'	13 ^h 28'	27 ^h 02'	26 ^h 23'	21 ^h 18'	18 ^h 50'	19 ^h 45'	20 ^h 01'	29 ^h 20'	T 21
F 22	11 58 14	1 ^h 25'57"	8 ^h 20'	5 ^h 30'	7 ^h 56'	25 ^h 34'	27 ^h 17'	13 ^h 36'	27 ^h 00'	26 ^h 23'	21 ^h 17'	18 ^h 50'	19 ^h 42'	20 ^h 08'	29 ^h 24'	F 22
S 23	12 2 10	2 ^h 25'29"	22 ^h 00'	6 ^h 50'	9 ^h 10'	26 ^h 19'	27 ^h 12'	13 ^h 43'	26 ^h 57'	26 ^h 22'	21 ^h 15'	18 ^h 49'	19 ^h 39'	20 ^h 15'	29 ^h 27'	S 23
S 24	12 6 7	3 ^h 24'59"	5 ^h 24'	8 ^h 11'	10 ^h 24'	27 ^h 03'	27 ^h 06'	13 ^h 51'	26 ^h 54'	26 ^h 21'	21 ^h 13'	18 ^h 48'	19 ^h 36'	20 ^h 21'	29 ^h 31'	S 24
M 25	12 10 3	4 ^h 24'27"	18 ^h 33'	9 ^h 35'	11 ^h 38'	27 ^h 47'	27 ^h 01'	13 ^h 58'	26 ^h 52'	26 ^h 20'	21 ^h 12'	18 ^h 46'	19 ^h 33'	20 ^h 28'	29 ^h 34'	M 25
T 26	12 14 0	5 ^h 23'53"	1 ^h 28'	11 ^h 00'	12 ^h 52'	28 ^h 32'	26 ^h 56'	14 ^h 06'	26 ^h 49'	26 ^h 20'	21 ^h 10'	18 ^h 44'	19 ^h 30'	20 ^h 35'	29 ^h 38'	T 26
W 27	12 17 57	6 ^h 23'17"	14 ^h 09'	12 ^h 26'	14 ^h 06'	29 ^h 16'	26 ^h 52'	14 ^h 13'	26 ^h 47'	26 ^h 19'	21 ^h 09'	18 ^h 42'	19 ^h 26'	20 ^h 41'	29 ^h 41'	W 27
T 28	12 21 53	7 ^h 22'40"	26 ^h 38'	13 ^h 54'	15 ^h 20'	0 ^h 08'	26 ^h 47'	14 ^h 21'	26 ^h 44'	26 ^h 18'	21 ^h 07'	18 ^h 41'	19 ^h 23'	20 ^h 48'	29 ^h 45'	T 28
F 29	12 25 50	8 ^h 22'00"	8 ^h 56'	15 ^h 24'	16 ^h 34'	0 ^h 45'	26 ^h 43'	14 ^h 28'	26 ^h 42'	26 ^h 17'	21 ^h 06'	18 ^h 40'	19 ^h 20'	20 ^h 55'	29 ^h 48'	F 29
S 30	12 29 46	9 ^h 21'18"	21 ^h 03'	16 ^h 55'	17 ^h 48'	1 ^h 29'	26 ^h 38'	14 ^h 36'	26 ^h 39'	26 ^h 16'	21 ^h 04'	18 ^h 40'	19 ^h 17'	21 ^h 01'	29 ^h 52'	S 30
S 31	12 33 43	10 ^h 20'34"	3 ^h 08'	18 ^h 27'	19 ^h 02'	2 ^h 03'	26 ^h 03'	14 ^h 43'	26 ^h 37'	26 ^h 15'	21 ^h 03'	18 ^h 40'	19 ^h 14'	21 ^h 08'	29 ^h 55'	S 31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	7s39	1s22	1s40	14s10	1n34	17s37	0s27	3n31	0s24	12n46	1n15	2n18	2s15	1n34	0n48	17s41	1n44	17n34	15n39	7n29	8n 8	19n23	2n18	3n18			
S 2	7 16	4n29	0 35	14 19	1 21	17 19	0 30	3 49	0 23	12 49	1 15	2 21	2 15	1 35	0 48	17 41	1 44	17 35	15 39	7 28	8 7	19 26	2 19	3 18			
S 3	6 53	10 5	0n31	14 26	1 8	17 0	0 33	4 8	0 23	12 52	1 15	2 24	2 15	1 36	0 48	17 41	1 45	17 36	15 39	7 28	8 5	19 29	2 20	3 18			
M 4	6 30	15 15	1 35	14 31	0 55	16 41	0 35	4 26	0 22	12 54	1 15	2 27	2 15	1 37	0 48	17 41	1 45	17 36	15 39	7 29	8 4	19 31	2 22	3 18			
T 5	6 7	19 49	2 34	14 34	0 42	16 21	0 38	4 45	0 21	12 57	1 15	2 30	2 15	1 38	0 48	17 41	1 45	17 37	15 39	7 29	8 3	19 34	2 23	3 18			
W 6	5 43	23 36	3 27	14 35	0 30	16 1	0 40	5 3	0 21	13 0	1 15	2 32	2 15	1 39	0 48	17 41	1 45	17 38	15 40	7 30	8 2	19 36	2 24	3 18			
T 7	5 20	26 24	4 11	14 35	0 18	15 40	0 43	5 21	0 20	13 2	1 15	2 35	2 15	1 40	0 48	17 41	1 45	17 39	15 40	7 30	8 1	19 39	2 25	3 17			
F 8	4 57	28 3	4 44	14 33	0 6	15 19	0 45	5 39	0 19	13 5	1 15	2 38	2 15	1 41	0 48	17 41	1 45	17 39	15 40	7 30	7 59	19 42	2 27	3 17			
S 9	4 33	28 22	5 6	14 29	0s 5	14 57	0 47	5 57	0 18	13 7	1 15	2 41	2 15	1 42	0 48	17 41	1 45	17 40	15 40	7 30	7 58	19 44	2 28	3 17			
S 10	4 10	27 16	5 13	14 23	0 16	14 35	0 50	6 15	0 18	13 10	1 15	2 44	2 14	1 43	0 48	17 41	1 45	17 41	15 40	7 29	7 57	19 47	2 29	3 17			
M 11	3 46	24 41	5 5	14 16	0 27	14 13	0 52	6 33	0 17	13 12	1 15	2 47	2 14	1 44	0 48	17 40	1 45	17 41	15 40	7 27	7 56	19 49	2 31	3 17			
T 12	3 23	20 45	4 41	14 7	0 37	13 50	0 54	6 51	0 16	13 14	1 15	2 50	2 14	1 45	0 48	17 40	1 45	17 42	15 40	7 26	7 55	19 52	2 32	3 17			
W 13	2 59	15 36	4 0	13 56	0 46	13 27	0 56	7 9	0 16	13 17	1 15	2 52	2 14	1 46	0 48	17 40	1 45	17 43	15 40	7 24	7 53	19 55	2 33	3 17			
T 14	2 35	9 31	3 4	13 44	0 56	13 4	0 58	7 27	0 15	13 19	1 15	2 55	2 14	1 47	0 48	17 40	1 45	17 44	15 40	7 23	7 52	19 57	2 35	3 17			
F 15	2 12	2 49	1 55	13 31	1 4	12 40	1 0	7 44	0 14	13 21	1 15	2 58	2 14	1 48	0 48	17 40	1 45	17 44	15 40	7 22	7 51	20 0	2 36	3 17			
S 16	1 48	4s 8	0 38	13 16	1 13	12 15	1 2	8 2	0 13	13 23	1 15	3 1	2 14	1 49	0 48	17 40	1 45	17 45	15 40	7 21	7 50	20 2	2 37	3 17			
S 17	1 24	10 56	0s43	12 59	1 21	11 51	1 4	8 19	0 13	13 25	1 15	3 4	2 14	1 50	0 48	17 39	1 45	17 46	15 40	7 21	7 49	20 5	2 39	3 17			
M 18	1 1	17 8	2 1	12 41	1 28	11 26	1 6	8 36	0 12	13 27	1 15	3 7	2 14	1 51	0 48	17 39	1 45	17 46	15 40	7 22	7 47	20 8	2 40	3 17			
T 19	0 37	22 18	3 11	12 22	1 35	11 1	1 8	8 54	0 11	13 29	1 15	3 10	2 14	1 52	0 48	17 39	1 45	17 47	15 40	7 22	7 46	20 10	2 42	3 17			
W 20	0 13	26 4	4 7	12 1	1 42	10 35	1 10	9 11	0 11	13 31	1 15	3 13	2 14	1 53	0 48	17 39	1 45	17 47	15 40	7 23	7 45	20 13	2 43	3 16			
T 21	0n10	28 7	4 48	11 39	1 48	10 9	1 11	9 28	0 10	13 33	1 15	3 16	2 14	1 54	0 48	17 39	1 45	17 48	15 40	7 23	7 44	20 15	2 44	3 16			
F 22	0 34	28 21	5 11	11 15	1 53	9 43	1 13	9 45	0 9	13 35	1 14	3 19	2 14	1 55	0 48	17 38	1 45	17 49	15 40	7 23	7 43	20 18	2 46	3 16			
S 23	0 58	26 50	5 15	10 50	1 58	9 17	1 14	10 2	0 8	13 37	1 14	3 22	2 14	1 57	0 48	17 38	1 46	17 49	15 40	7 23	7 41	20 20	2 47	3 16			
S 24	1 22	23 49	5 3	10 24	2 3	8 50	1 16	10 18	0 8	13 39	1 14	3 24	2 14	1 58	0 48	17 38	1 46	17 50	15 40	7 22	7 40	20 23	2 48	3 16			
M 25	1 45	19 37	4 34	9 57	2 7	8 24	1 17	10 35	0 7	13 40	1 14	3 27	2 14	1 59	0 48	17 38	1 46	17 50	15 40	7 21	7 39	20 25	2 50	3 16			
T 26	2 9	14 34	3 52	9 28	2 11	7 57	1 19	10 51	0 6	13 42	1 14	3 30	2 14	2 0	0 48	17 37	1 46	17 51	15 40	7 20	7 38	20 28	2 51	3 16			
W 27	2 32	9 0	3 0	8 58	2 15	7 29	1 20	11 8	0 6	13 43	1 14	3 33	2 14	2 1	0 48	17 37	1 46	17 52	15 40	7 20	7 37	20 30	2 52	3 16			
T 28	2 56	3 9	1 59	8 27	2 17	7 2	1 21	11 24	0 5	13 45	1 14	3 36	2 14	2 2	0 48	17 37	1 46	17 52	15 40	7 19	7 35	20 33	2 54	3 16			
F 29	3 19	2n43	0 54	7 54	2 20	6 34	1 22	11 40	0 4	13 46	1 14	3 39	2 14	2 3	0 48	17 37	1 46	17 53	15 40	7 19	7 34	20 35	2 55	3 16			
S 30	3 42	8 25	0n13	7 21	2 22	6 6	1 23	11 56	0 4	13 48	1 14	3 42	2 14	2 4	0 48	17 36	1 46	17 53	15 40	7 19	7 33	20 38	2 57	3 16			
S 31	4n 6	13n46	1n19	6s46	2s23	5s38	1s24	12n12	0s 3	13n49	1n14	3n45	2s14	2n 5	0n48	17s36	1n46	17n54	15n40	7n19	7n32	20n40	2n58	3n16			

ASTRODIENST EPHEMERIS for the year 1968

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APRIL 1968

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 37 39	11°19'48	14°54	20°11	20°15	2°57	26°R30	14°Y51	26°R34	26°R14	21°R 1	18°Y41	19°Y10	21°B15	29°H59	M 1
T 2	12 41 36	12°19'00	26°43	21°37	21°29	3°41	26°Q27	14°58	26°M32	26°M13	21°M 0	18°41	19° 7	21°21	0°Y 2	T 2
W 3	12 45 32	13°18'10	8°II32	23°14	22°43	4°25	26°23	15° 6	26°29	26°12	20°58	18°42	19° 4	21°28	0° 6	W 3
T 4	12 49 29	14°17'17	20°24	24°52	23°57	5° 9	26°20	15°13	26°27	26°11	20°57	18°43	19° 1	21°35	0° 9	T 4
F 5	12 53 26	15°16'22	2°E25	26°32	25°11	5°53	26°16	15°21	26°24	26°10	20°55	18°43	18°58	21°41	0°13	F 5
S 6	12 57 22	16°15'25	14°37	28°13	26°25	6°37	26°13	15°29	26°22	26° 8	20°54	18°R43	18°55	21°48	0°16	S 6
S 7	13 1 19	17°14'26	27° 6	29°56	27°39	7°21	26°11	15°36	26°19	26° 7	20°52	18°43	18°51	21°55	0°20	S 7
M 8	13 5 15	18°13'24	9°Q57	1°Y40	28°53	8° 5	26° 8	15°44	26°17	26° 6	20°51	18°D43	18°48	22° 1	0°23	M 8
T 9	13 9 12	19°12'20	23°11	3°25	0°Y 7	8°48	26° 5	15°51	26°15	26° 5	20°50	18°43	18°45	22° 8	0°27	T 9
W10	13 13 8	20°11'14	6°M51	5°13	1°21	9°32	26° 3	15°59	26°12	26° 4	20°48	18°43	18°42	22°15	0°30	W10
T11	13 17 5	21°10'05	20°58	7° 1	2°34	10°16	26° 1	16° 6	26°10	26° 2	20°47	18°43	18°39	22°21	0°33	T11
F12	13 21 1	22° 8'54	5°A28	8°51	3°48	10°59	25°59	16°14	26° 8	26° 1	20°46	18°43	18°36	22°28	0°37	F12
S13	13 24 58	23° 7'41	20°18	10°43	5° 2	11°43	25°57	16°21	26° 6	26° 0	20°44	18°R44	18°32	22°35	0°40	S13
S14	13 28 55	24° 6'26	5°M19	12°36	6°16	12°26	25°56	16°29	26° 3	25°59	20°43	18°43	18°29	22°41	0°44	S14
M15	13 32 51	25° 5'09	20°23	14°31	7°30	13°10	25°54	16°36	26° 1	25°57	20°42	18°43	18°26	22°48	0°47	M15
T16	13 36 48	26° 3'51	5°A22	16°27	8°44	13°53	25°53	16°44	25°59	25°56	20°40	18°42	18°23	22°55	0°50	T16
W17	13 40 44	27° 2'30	20° 7	18°25	9°58	14°36	25°52	16°51	25°57	25°55	20°39	18°41	18°20	23° 1	0°53	W17
T18	13 44 41	28° 1'09	4°B33	20°24	11°11	15°20	25°51	16°59	25°55	25°53	20°38	18°40	18°16	23° 8	0°57	T18
F19	13 48 37	28°59'45	18°37	22°25	12°25	16° 3	25°51	17° 6	25°53	25°52	20°37	18°40	18°13	23°15	1° 0	F19
S20	13 52 34	29°58'20	2°A17	24°27	13°39	16°46	25°50	17°14	25°51	25°50	20°36	18°D40	18°10	23°21	1° 3	S20
S21	13 56 30	0°B56'53	15°35	26°30	14°53	17°29	25°50	17°21	25°49	25°49	20°35	18°40	18° 7	23°28	1° 6	S21
M22	14 0 27	1°55'24	28°32	28°35	16° 7	18°12	25°D50	17°29	25°47	25°47	20°33	18°41	18° 4	23°35	1°10	M22
T23	14 4 24	2°53'54	11°H11	0°B40	17°21	18°55	25°50	17°36	25°45	25°46	20°32	18°42	18° 1	23°41	1°13	T23
W24	14 8 20	3°52'22	23°36	2°47	18°34	19°38	25°50	17°43	25°43	25°45	20°31	18°43	17°57	23°48	1°16	W24
T25	14 12 17	4°50'48	5°Y49	4°55	19°48	20°21	25°51	17°51	25°41	25°43	20°30	18°44	17°54	23°55	1°19	T25
F26	14 16 13	5°49'13	17°52	7° 3	21° 2	21° 4	25°51	17°58	25°39	25°42	20°29	18°R45	17°51	24° 1	1°22	F26
S27	14 20 10	6°47'36	29°49	9°12	22°16	21°47	25°52	18° 5	25°37	25°40	20°28	18°44	17°48	24° 8	1°25	S27
S28	14 24 6	7°45'57	11°B41	11°21	23°30	22°30	25°53	18°13	25°36	25°39	20°27	18°43	17°45	24°15	1°28	S28
M29	14 28 3	8°44'16	23°31	13°30	24°44	23°12	25°54	18°20	25°34	25°37	20°26	18°41	17°41	24°21	1°31	M29
T30	14 31 59	9°B42'33	5°II20	15°B38	25°Y57	23°B55	25°Q56	18°Y27	25°M32	25°M35	20°M25	18°Y38	17°Y38	24°B28	1°Y34	T30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
M 1	4n29	18n33	2n21	6s10	2s24	5s10	1s25	12n28	0s 2	13n50	1n14	3n48	2s14	2n 6	0n48	M 1
T 2	4 52	22 36	3 16	5 33	2 25	4 42	1 26	12 44	0 2	13 51	1 14	3 51	2 14	2 7	0 48	T 2
W 3	5 15	25 44	4 3	4 54	2 25	4 13	1 27	12 59	0 1	13 53	1 13	3 54	2 14	2 8	0 48	W 3
T 4	5 38	27 45	4 40	4 15	2 25	3 45	1 28	13 14	0 0	13 54	1 13	3 57	2 14	2 8	0 48	T 4
F 5	6 1	28 30	5 5	3 35	2 24	3 16	1 28	13 30	0n 1	13 55	1 13	3 59	2 14	2 9	0 48	F 5
S 6	6 24	27 53	5 17	2 53	2 22	2 47	1 29	13 45	0 1	13 56	1 13	4 2	2 14	2 10	0 48	S 6
S 7	6 46	25 53	5 14	2 10	2 20	2 18	1 30	14 0	0 2	13 56	1 13	4 5	2 14	2 11	0 48	S 7
M 8	7 9	22 31	4 56	1 27	2 18	1 49	1 30	14 15	0 3	13 57	1 13	4 8	2 14	2 12	0 47	M 8
T 9	7 31	17 55	4 22	0 42	2 15	1 20	1 30	14 29	0 3	13 58	1 13	4 11	2 14	2 13	0 47	T 9
W10	7 54	12 17	3 32	0n 3	2 12	0 51	1 31	14 44	0 4	13 59	1 13	4 14	2 14	2 14	0 47	W10
T11	8 16	5 51	2 28	0 50	2 8	0 22	1 31	14 58	0 4	13 59	1 12	4 17	2 14	2 15	0 47	T11
F12	8 38	1s 4	1 13	1 37	2 3	0n 7	1 31	15 13	0 5	14 0	1 12	4 20	2 14	2 16	0 47	F12
S13	8 59	8 4	0s 9	2 26	1 58	0 36	1 31	15 27	0 6	14 0	1 12	4 22	2 14	2 17	0 47	S13
S14	9 21	14 43	1 31	3 15	1 53	1 5	1 31	15 41	0 6	14 1	1 12	4 25	2 14	2 18	0 47	S14
M15	9 43	20 32	2 47	4 5	1 47	1 35	1 31	15 54	0 7	14 1	1 12	4 28	2 14	2 18	0 47	M15
T16	10 4	24 59	3 51	4 55	1 40	2 4	1 31	16 8	0 8	14 1	1 12	4 31	2 14	2 19	0 47	T16
W17	10 25	27 42	4 39	5 47	1 34	2 33	1 31	16 21	0 8	14 1	1 12	4 34	2 14	2 20	0 47	W17
T18	10 46	28 29	5 8	6 38	1 26	3 2	1 31	16 35	0 9	14 2	1 12	4 37	2 14	2 21	0 47	T18
F19	11 7	27 23	5 17	7 31	1 18	3 31	1 31	16 48	0 10	14 2	1 11	4 39	2 14	2 22	0 47	F19
S20	11 28	24 39	5 8	8 23	1 10	4 0	1 30	17 1	0 10	14 2	1 11	4 42	2 14	2 22	0 47	S20
S21	11 48	20 40	4 43	9 16	1 1	4 29	1 30	17 14	0 11	14 2	1 11	4 45	2 14	2 23	0 47	S21
M22	12 9	15 48	4 4	10 10	0 52	4 58	1 29	17 26	0 12	14 2	1 11	4 48	2 14	2 24	0 47	M22
T23	12 29	10 21	3 13	11 3	0 43	5 27	1 29	17 39	0 12	14 1	1 11	4 51	2 14	2 25	0 47	T23
W24	12 49	4 36	2 15	11 56	0 33	5 55	1 28	17 51	0 13	14 1	1 11	4 53	2 14	2 25	0 47	W24
T25	13 8	1n13	1 11	12 48	0 23	6 24	1 28	18 3	0 13	14 1	1 11	4 56	2 14	2 26	0 47	T25
F26	13 28	6 56	0 5	13 41	0 12	6 52	1 27	18 15	0 14	14 1	1 10	4 59	2 14	2 27	0 47	F26
S27	13 47	12 22	1n 1	14 32	0 2	7 20	1 26	18 27	0 15	14 0	1 10	5 1	2 15	2 28	0 47	S27
S28	14 6	17 18	2 3	15 23	0n 9	7 48	1 25	18 39	0 15	14 0	1 10	5 4	2 15	2 28	0 47	S28
M29	14 25	21 34	3 0	16 12	0 20	8 16	1 24	18 50	0 16	13 59	1 10	5 7	2 15	2 29	0 47	M29
T30	14n44	24n57	3n49	17n 1	0n30	8n44	1s23	19n 1	0n17	13n58	1n10	5n 9	2s15	2n29	0n47	T30

Julian Day Number = 2439947.5, Delta T = 38.51 sec

Ecliptic obliquity = 23°26'45, Nutation = - 0°00'06, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°17'48, Lahiri = 23°24'49

ASTRODIENST EPHEMERIS for the year 1968

geocentric

MAY 1968

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	14 35 56	10°40'49	17°11'10	17°46'46	27°11'11	24°38'38	25°57'57	18°34'34	25°31'31	25°34'34	20°24'24	18°34'34	17°35'35	24°35'35	1°37'37	W 1
T 2	14 39 53	11°39'03	29° 5	19°54'28	28°25'25	25°20'20	25°59'59	18°42'42	25°29'29	25°32'32	20°23'23	18°30'30	17°32'32	24°41'41	1°40'40	T 2
F 3	14 43 49	12°37'15	11°58'58	21°59'59	29°39'39	26° 3	26° 1	18°49'49	25°28'28	25°31'31	20°23'23	18°27'27	17°29'29	24°48'48	1°43'43	F 3
S 4	14 47 46	13°35'24	23°20'20	24° 4	0°52'52	26°45'45	26° 3	18°56'56	25°26'26	25°29'29	20°22'22	18°24'24	17°26'26	24°55'55	1°46'46	S 4
S 5	14 51 42	14°33'32	5°48'48	26° 6	2° 6	27°28'28	26° 5	19° 3	25°25'25	25°28'28	20°21'21	18°23'23	17°22'22	25° 1	1°48'48	S 5
M 6	14 55 39	15°31'38	18°33'33	28° 7	3°20'20	28°10'10	26° 8	19°10'10	25°23'23	25°26'26	20°20'20	18°23'23	17°19'19	25° 8	1°51'51	M 6
T 7	14 59 35	16°29'42	1°41'41	0°11'11	4°34'34	28°53'53	26°11'11	19°17'17	25°22'22	25°24'24	20°19'19	18°23'23	17°16'16	25°15'15	1°54'54	T 7
W 8	15 3 32	17°27'44	15°13'13	2° 1	5°47'47	29°35'35	26°13'13	19°24'24	25°21'21	25°23'23	20°19'19	18°25'25	17°13'13	25°21'21	1°57'57	W 8
T 9	15 7 28	18°25'44	29°12'12	3°54'54	7° 1	0°11'11	26°16'16	19°31'31	25°20'20	25°21'21	20°18'18	18°26'26	17°10'10	25°28'28	1°59'59	T 9
F 10	15 11 25	19°23'42	13°43'43	5°44'44	8°15'15	0°59'59	26°19'19	19°38'38	25°18'18	25°20'20	20°17'17	18°27'27	17° 7	25°35'35	2° 2	F 10
S 11	15 15 22	20°21'38	28°27'27	7°31'31	9°29'29	1°42'42	26°23'23	19°45'45	25°17'17	25°18'18	20°17'17	18°27'27	17° 3	25°41'41	2° 5	S 11
S 12	15 19 18	21°19'33	13°33'33	9°15'15	10°42'42	2°24'24	26°26'26	19°52'52	25°16'16	25°16'16	20°16'16	18°25'25	17° 0	25°48'48	2° 7	S 12
M13	15 23 15	22°17'26	28°48'48	10°55'55	11°56'56	3° 6	26°30'30	19°59'59	25°15'15	25°15'15	20°16'16	18°22'22	16°57'57	25°55'55	2°10'10	M13
T 14	15 27 11	23°15'18	14°47'47	12°33'33	13°10'10	3°48'48	26°34'34	20° 5	25°14'14	25°13'13	20°15'15	18°17'17	16°54'54	26° 2	2°12'12	T 14
W15	15 31 8	24°13'09	29° 4	14° 6	14°23'23	4°30'30	26°38'38	20°12'12	25°13'13	25°11'11	20°14'14	18°12'12	16°51'51	26° 8	2°15'15	W15
T 16	15 35 4	25°10'58	13°46'46	15°37'37	15°37'37	5°12'12	26°42'42	20°19'19	25°12'12	25°10'10	20°14'14	18° 7	16°47'47	26°15'15	2°17'17	T 16
F 17	15 39 1	26° 8'46	28° 2	17° 3	16°51'51	5°53'53	26°46'46	20°25'25	25°11'11	25° 8	20°13'13	18° 3	16°44'44	26°22'22	2°20'20	F 17
S 18	15 42 57	27° 6'33	11°45'45	18°26'26	18° 4	6°35'35	26°51'51	20°32'32	25°10'10	25° 7	20°13'13	18° 1	16°41'41	26°28'28	2°22'22	S 18
S 19	15 46 54	28° 4'18	25°11'11	19°46'46	19°18'18	7°17'17	26°55'55	20°39'39	25°10'10	25° 5	20°13'13	18°D 0	16°38'38	26°35'35	2°24'24	S 19
M20	15 50 51	29° 2'03	8°46'46	21° 2	20°32'32	7°59'59	27° 0	20°45'45	25° 9	25° 3	20°12'12	18° 0	16°35'35	26°42'42	2°27'27	M20
T 21	15 54 47	29°59'46	20° 6	22°13'13	21°46'46	8°41'41	27° 5	20°52'52	25° 8	25° 2	20°12'12	18° 1	16°32'32	26°48'48	2°29'29	T 21
W22	15 58 44	0°11'57	2°15'56	23°22'22	22°59'59	9°22'22	27°10'10	20°58'58	25° 8	25° 0	20°12'12	18° 2	16°28'28	26°55'55	2°31'31	W22
T 23	16 2 40	1°55'09	14°59'59	24°26'26	24°13'13	10° 4	27°15'15	21° 4	25° 7	24°58'58	20°11'11	18°R 3	16°25'25	27° 2	2°33'33	T 23
F 24	16 6 37	2°52'50	26°54'54	25°26'26	25°27'27	10°45'45	27°21'21	21°11'11	25° 7	24°57'57	20°11'11	18° 3	16°22'22	27° 8	2°35'35	F 24
S 25	16 10 33	3°50'29	8°45'45	26°23'23	26°40'40	11°27'27	27°26'26	21°17'17	25° 6	24°55'55	20°11'11	18° 1	16°19'19	27°15'15	2°37'37	S 25
S 26	16 14 30	4°48'07	20°33'33	27°15'15	27°54'54	12° 8	27°32'32	21°23'23	25° 6	24°54'54	20°11'11	17°56'56	16°16'16	27°22'22	2°40'40	S 26
M27	16 18 26	5°45'43	2°11'22	28° 3	29° 8	12°50'50	27°38'38	21°29'29	25° 5	24°52'52	20°11'11	17°50'50	16°13'13	27°28'28	2°42'42	M27
T 28	16 22 23	6°43'19	14°13'13	28°47'47	0°11'21	13°31'31	27°44'44	21°35'35	25° 5	24°50'50	20°10'10	17°42'42	16° 9	27°35'35	2°43'43	T 28
W29	16 26 20	7°40'54	26° 9	29°27'27	1°35'35	14°13'13	27°50'50	21°41'41	25° 5	24°49'49	20°10'10	17°32'32	16° 6	27°42'42	2°45'45	W29
T 30	16 30 16	8°38'27	8°41'10	0°52'2	2°49'49	14°54'54	27°56'56	21°47'47	25° 5	24°47'47	20°10'10	17°23'23	16° 3	27°48'48	2°47'47	T 30
F 31	16 34 13	9°11'55	20°42'20	0°53'33	4°11'2	15°11'35	28°43'43	21°53'53	25°57'57	24°46'46	20°10'10	17°14'14	16°11'11	27°55'55	2°49'49	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	15n 2	27n17	4n29	17n47	0n41	9n12	1s22	19n13	0n17	13n58	1n10	5n12	2s15	2n30	0n47	17s26
T 2	15 20	28 23	4 56	18 32	0 51	9 39	1 21	19 23	0 18	13 57	1 10	5 15	2 15	2 31	0 47	17 25
F 3	15 38	28 9	5 12	19 15	1 1	10 6	1 20	19 34	0 18	13 56	1 9	5 17	2 15	2 31	0 47	17 25
S 4	15 55	26 34	5 13	19 57	1 11	10 33	1 19	19 45	0 19	13 55	1 9	5 20	2 15	2 32	0 47	17 25
S 5	16 13	23 40	5 0	20 35	1 21	11 0	1 18	19 55	0 20	13 55	1 9	5 23	2 15	2 32	0 47	17 24
M 6	16 30	19 34	4 32	21 12	1 29	11 26	1 16	20 5	0 20	13 54	1 9	5 25	2 15	2 33	0 47	17 24
T 7	16 46	14 26	3 49	21 46	1 38	11 52	1 15	20 15	0 21	13 52	1 9	5 28	2 15	2 33	0 47	17 23
W 8	17 3	8 28	2 52	22 18	1 46	12 18	1 14	20 25	0 21	13 51	1 9	5 30	2 16	2 34	0 47	17 23
T 9	17 19	1 54	1 44	22 47	1 53	12 44	1 12	20 34	0 22	13 50	1 9	5 33	2 16	2 34	0 47	17 23
F 10	17 35	4s58	0 26	23 14	1 59	13 9	1 11	20 44	0 22	13 49	1 8	5 35	2 16	2 35	0 47	17 22
S 11	17 51	11 46	0s54	23 38	2 5	13 34	1 9	20 53	0 23	13 48	1 8	5 38	2 16	2 35	0 47	17 22
S 12	18 6	18 1	2 13	23 59	2 10	13 58	1 7	21 2	0 24	13 46	1 8	5 40	2 16	2 36	0 46	17 21
M13	18 21	23 11	3 23	24 18	2 14	14 23	1 6	21 11	0 24	13 45	1 8	5 43	2 16	2 36	0 46	17 21
T 14	18 36	26 45	4 18	24 35	2 18	14 47	1 4	21 19	0 25	13 44	1 8	5 45	2 16	2 36	0 46	17 21
W15	18 50	28 21	4 54	24 49	2 20	15 10	1 2	21 28	0 25	13 42	1 8	5 47	2 16	2 37	0 46	17 20
T 16	19 4	27 53	5 10	25 1	2 22	15 33	1 0	21 36	0 26	13 41	1 8	5 50	2 16	2 37	0 46	17 20
F 17	19 18	25 34	5 6	25 11	2 23	15 56	0 59	21 44	0 26	13 39	1 7	5 52	2 17	2 37	0 46	17 19
S 18	19 31	21 48	4 45	25 19	2 23	16 19	0 57	21 51	0 27	13 37	1 7	5 55	2 17	2 38	0 46	17 19
S 19	19 44	17 2	4 8	25 25	2 22	16 41	0 55	21 59	0 27	13 36	1 7	5 57	2 17	2 38	0 46	17 19
M20	19 57	11 38	3 20	25 28	2 20	17 2	0 53	22 6	0 28	13 34	1 7	5 59	2 17	2 38	0 46	17 18
T 21	20 9	5 54	2 23	25 30	2 17	17 23	0 51	22 14	0 29	13 32	1 7	6 2	2 17	2 38	0 46	17 18
W22	20 21	0 5	1 21	25 30	2 14	17 44	0 49	22 20	0 29	13 30	1 7	6 4	2 17	2 38	0 46	17 18
T 23	20 33	5n39	0 17	25 29	2 9	18 4	0 47	22 27	0 30	13 28	1 7	6 6	2 17	2 39	0 46	17 17
F 24	20 44	11 7	0n48	25 26	2 4	18 24	0 45	22 34	0 30	13 26	1 6	6 8	2 18	2 39	0 46	17 17
S 25	20 55	16 9	1 50	25 21	1 58	18 44	0 43	22 40	0 31	13 24	1 6	6 10	2 18	2 39	0 46	17 16
S 26	21 6	20 34	2 46	25 15	1 50	19 2	0 40	22 46	0 31	13 22	1 6	6 13	2 18	2 39	0 46	17 16
M27	21 16	24 10	3 36	25 8	1 42	19 21	0 38	22 52	0 32	13 20	1 6	6 15	2 18	2 39	0 46	17 16
T 28	21 26	26 45	4 16	25 0	1 33	19 39	0 36	22 58	0 32	13 18	1 6	6 17	2 18	2 39	0 46	17 15
W29	21 36	28 9	4 45	24 50	1 24	19 56	0 34	23 3	0 33	13 15	1 6	6 19	2 18	2 39	0 46	17 15
T 30	21 45	28 13	5 2	24 40	1 13	20 13	0 32	23 9	0 33	13 13	1 6	6 21	2 19	2 39	0 46	17 15
F 31	21n54	26n56	5n 6	24n28	1n 1	20n29	0s29	23n14	0n34	13n11	1n 5	6n23	2s19	2n39	0n46	17s14

Julian Day Number = 2439977.5, Delta T = 38.58 sec

Ecliptic obliquity = 23°26'45", Nutation = - 0°00'06", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 24°17'53", Lahiri = 23°24'53"

ASTRODIENST EPHEMERIS for the year 1968

geocentric

JUNE 1968

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 38 9	10II33'30	28J38	0559	5II16	16II16	28J 9	21V59	25°R 5	24°R44	20II10	17°R 7	15V57	28J 2	2V51	S 1
S 2	16 42 6	11°31'00	15° 9	1°21	6°30	16°57	28°16	22° 5	25°D 4	24II43	20°10	17V 1	15°53	28° 8	2°53	S 2
M 3	16 46 2	12°28'28	27°55	1°38	7°43	17°39	28°23	22°11	25II 5	24°41	20°10	16°58	15°50	28°15	2°54	M 3
T 4	16 49 59	13°25'56	10II59	1°50	8°57	18°20	28°30	22°17	25° 5	24°40	20°11	16°D57	15°47	28°22	2°56	T 4
W 5	16 53 55	14°23'21	24°24	1°58	10°11	19° 1	28°37	22°22	25° 5	24°38	20°11	16°57	15°44	28°28	2°57	W 5
T 6	16 57 52	15°20'46	8J13	2°R 1	11°24	19°42	28°44	22°28	25° 5	24°37	20°11	16°58	15°41	28°35	2°59	T 6
F 7	17 1 49	16°18'09	22°26	2° 0	12°38	20°23	28°52	22°33	25° 5	24°35	20°11	16°R58	15°38	28°42	3° 1	F 7
S 8	17 5 45	17°15'32	7II 3	1°54	13°52	21° 4	28°59	22°39	25° 5	24°34	20°11	16°57	15°34	28°49	3° 2	S 8
S 9	17 9 42	18°12'53	22° 0	1°44	15° 5	21°44	29° 7	22°44	25° 6	24°32	20°12	16°53	15°31	28°55	3° 3	S 9
M10	17 13 38	19°10'14	7J 9	1°30	16°19	22°25	29°14	22°49	25° 6	24°31	20°12	16°47	15°28	29° 2	3° 5	M10
T 11	17 17 35	20° 7'33	22°22	1°12	17°33	23° 6	29°22	22°55	25° 7	24°29	20°12	16°39	15°25	29° 9	3° 6	T 11
W12	17 21 31	21° 4'52	7J28	0°51	18°47	23°47	29°30	23° 0	25° 7	24°28	20°13	16°29	15°22	29°15	3° 7	W12
T 13	17 25 28	22° 2'11	22°17	0°26	20° 0	24°27	29°38	23° 5	25° 8	24°26	20°13	16°20	15°19	29°22	3° 9	T 13
F 14	17 29 25	22°59'29	6J41	29II58	21°14	25° 8	29°47	23°10	25° 8	24°25	20°13	16°12	15°15	29°29	3°10	F 14
S 15	17 33 21	23°56'46	20°36	29°28	22°28	25°49	29°55	23°15	25° 9	24°24	20°14	16° 6	15°12	29°35	3°11	S 15
S 16	17 37 18	24°54'03	4J 2	28°56	23°41	26°29	0II 3	23°20	25°10	24°22	20°14	16° 2	15° 9	29°42	3°12	S 16
M17	17 41 14	25°51'20	17° 0	28°23	24°55	27°10	0°12	23°25	25°10	24°21	20°15	16° 0	15° 6	29°49	3°13	M17
T 18	17 45 11	26°48'36	29°34	27°49	26° 9	27°50	0°20	23°29	25°11	24°20	20°15	16°D 0	15° 3	29°55	3°14	T 18
W19	17 49 7	27°45'52	11V49	27°15	27°22	28°31	0°29	23°34	25°12	24°18	20°16	16°R 0	14°59	0II 2	3°15	W19
T 20	17 53 4	28°43'08	23°51	26°41	28°36	29°11	0°38	23°39	25°13	24°17	20°17	16° 0	14°56	0° 9	3°16	T 20
F 21	17 57 0	29°40'23	5J43	26° 8	29°50	29°52	0°47	23°43	25°14	24°16	20°17	15°58	14°53	0°15	3°16	F 21
S 22	18 0 57	0537'39	17°31	25°36	1J 3	0J32	0°56	23°47	25°15	24°15	20°18	15°54	14°50	0°22	3°17	S 22
S 23	18 4 54	1°34'54	29°20	25° 7	2°17	1°12	1° 5	23°52	25°16	24°13	20°19	15°47	14°47	0°29	3°18	S 23
M24	18 8 50	2°32'09	11II11	24°40	3°31	1°52	1°15	23°56	25°17	24°12	20°19	15°38	14°44	0°35	3°19	M24
T 25	18 12 47	3°29'24	23° 7	24°16	4°45	2°33	1°24	24° 0	25°18	24°11	20°20	15°27	14°40	0°42	3°19	T 25
W26	18 16 43	4°26'39	5J11	23°56	5°58	3°13	1°34	24° 4	25°20	24°10	20°21	15°14	14°37	0°49	3°20	W26
T 27	18 20 40	5°23'53	17°23	23°39	7°12	3°53	1°43	24° 8	25°21	24° 9	20°22	15° 0	14°34	0°56	3°20	T 27
F 28	18 24 36	6°21'07	29°44	23°27	8°26	4°33	1°53	24°12	25°22	24° 8	20°22	14°48	14°31	1° 2	3°21	F 28
S 29	18 28 33	7°18'21	12J15	23°19	9°40	5°13	2° 3	24°16	25°24	24° 7	20°23	14°37	14°28	1° 9	3°21	S 29
S 30	18 32 29	8J15'34	24J57	23°D15	10J53	5J53	2II12	24V20	25II25	24II 5	20II24	14V29	14V25	1II16	3V21	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
S 1	22n 2	24n22	4n55	24n15	0n49	20n44	0s27	23n18	0n34	13n 8	1n 5	6n25	2s19	2n39	0n46	17s14	1n47	17n57	15n21	6n43	6n16	23n 5	4n10	3n19	
S 2	22 10	20 36	4 30	24 2	0 36	20 59	0 25	23 23	0 35	13 6	1 5	6 27	2 19	2 39	0 46	17 14	1 47	17 57	15 20	6 41	6 15	23 8	4 11	3 19	
M 3	22 18	15 49	3 52	23 48	0 22	21 14	0 23	23 27	0 35	13 3	1 5	6 29	2 19	2 39	0 46	17 13	1 47	17 56	15 20	6 40	6 14	23 10	4 12	3 19	
T 4	22 25	10 14	3 0	23 33	0 7	21 28	0 20	23 32	0 36	13 1	1 5	6 31	2 20	2 39	0 46	17 13	1 47	17 56	15 19	6 40	6 13	23 12	4 12	3 19	
W 5	22 32	4 2	1 58	23 18	0s 8	21 41	0 18	23 36	0 36	12 58	1 5	6 33	2 20	2 39	0 45	17 13	1 47	17 55	15 19	6 40	6 12	23 14	4 13	3 19	
T 6	22 38	2s32	0 47	23 2	0 24	21 54	0 16	23 39	0 37	12 56	1 5	6 35	2 20	2 39	0 45	17 12	1 47	17 55	15 18	6 40	6 10	23 16	4 14	3 19	
F 7	22 44	9 11	0s29	22 46	0 40	22 6	0 13	23 43	0 37	12 53	1 5	6 37	2 20	2 39	0 45	17 12	1 47	17 55	15 18	6 40	6 9	23 18	4 15	3 19	
S 8	22 50	15 31	1 45	22 29	0 57	22 17	0 11	23 46	0 38	12 50	1 5	6 38	2 20	2 39	0 45	17 12	1 47	17 54	15 18	6 40	6 8	23 20	4 15	3 19	
S 9	22 55	21 6	2 56	22 13	1 13	22 28	0 8	23 50	0 38	12 47	1 4	6 40	2 20	2 39	0 45	17 11	1 47	17 54	15 17	6 38	6 7	23 23	4 16	3 20	
M10	23 0	25 22	3 54	21 56	1 31	22 39	0 6	23 52	0 39	12 45	1 4	6 42	2 21	2 38	0 45	17 11	1 47	17 53	15 17	6 36	6 5	23 25	4 17	3 20	
T 11	23 5	27 50	4 37	21 39	1 48	22 48	0 4	23 55	0 39	12 42	1 4	6 44	2 21	2 38	0 45	17 11	1 46	17 53	15 16	6 33	6 4	23 27	4 17	3 20	
W12	23 9	28 13	5 0	21 22	2 5	22 57	0 1	23 58	0 40	12 39	1 4	6 45	2 21	2 38	0 45	17 10	1 46	17 52	15 16	6 29	6 3	23 29	4 18	3 20	
T 13	23 12	26 34	5 2	21 5	2 21	23 5	0n 1	24 0	0 40	12 36	1 4	6 47	2 21	2 38	0 45	17 10	1 46	17 51	15 15	6 25	6 2	23 31	4 18	3 20	
F 14	23 16	23 11	4 44	20 49	2 38	23 13	0 3	24 2	0 41	12 33	1 4	6 49	2 21	2 37	0 45	17 10	1 46	17 51	15 15	6 22	6 1	23 33	4 19	3 20	
S 15	23 18	18 35	4 11	20 33	2 54	23 20	0 6	24 4	0 41	12 30	1 4	6 50	2 22	2 37	0 45	17 9	1 46	17 50	15 15	6 20	5 59	23 35	4 20	3 20	
S 16	23 21	13 12	3 24	20 18	3 9	23 26	0 8	24 6	0 42	12 27	1 4	6 52	2 22	2 37	0 45	17 9	1 46	17 50	15 14	6 18	5 58	23 37	4 20	3 20	
M17	23 23	7 24	2 28	20 3	3 23	23 31	0 11	24 7	0 42	12 24	1 3	6 54	2 22	2 36	0 45	17 9	1 46	17 49	15 14	6 18	5 57	23 39	4 21	3 20	
T 18	23 24	1 29	1 26	19 49	3 36	23 36	0 13	24 8	0 43	12 21	1 3	6 55	2 22	2 36	0 45	17 8	1 46	17 49	15 13	6 18	5 56	23 41	4 21	3 21	
W19	23 26	4n20	0 22	19 36	3 49	23 40	0 15	24 9	0 43	12 17	1 3	6 57	2 23	2 36	0 45	17 8	1 46	17 48	15 13	6 18	5 54	23 43	4 22	3 21	
T 20	23 26	9 54	0n42	19 25	4 0	23 44	0 18	24 10	0 43	12 14	1 3	6 58	2 23	2 35	0 45	17 8	1 46	17 47	15 12	6 18	5 53	23 46	4 22	3 21	
F 21	23 27	15 3	1 43	19 14	4 9	23 47	0 20	24 11	0 44	12 11	1 3	7 0	2 23	2 35	0 45	17 8	1 46	17 47	15 12	6 17	5 52	23 48	4 22	3 21	
S 22	23 27	19 36	2 39	19 5	4 18	23 49	0 22	24 11	0 44	12 8	1 3	7 1	2 23	2 34	0 45	17 7	1 46	17 46	15 12	6 15	5 51	23 50	4 23	3 21	
S 23	23 26	23 24	3 28	18 57	4 25	23 50	0 25	24 11	0 45	12 4	1 3	7 2	2 23	2 34	0 45	17 7	1 46	17 45	15 11	6 13	5 50	23 52	4 23	3 21	
M24	23 25	26 13	4 8	18 51	4 30	23 51	0 27	24 11	0 45	12 1	1 3	7 4	2 24	2 33	0 45	17 7	1 46	17 45	15 11	6 9	5 48	23 54	4 24	3 21	
T 25	23 24	27 54	4 38	18 46	4 34	23 51	0 29	24 11	0 46	11 57	1 3	7 5	2 24	2 33	0 45	17 7	1 46	17 44	15 10	6 5	5 47	23 56	4 24	3 21	
W26	23 22	28 16	4 56	18 42	4 36	23 50	0 31	24 11	0 46	11 54	1 3	7 6	2 24	2 32	0 45	17 6	1 46	17 43	15 10	6 0	5 46	23 58	4 24	3 21	
T 27	23 20	27 16	5 0	18 41	4 37	23 48	0 34	24 10	0 47	11 50	1 3	7 8	2 24	2 32	0 45	17 6	1 46	17 43	15 10	5 55	5 45	24 0	4 25	3 22	
F 28	23 18	24 56	4 50	18 40	4 37	23 46	0 36	24 9	0 47	11 47	1 2	7 9	2 25	2 31	0 44	17 6	1 46	17 42	15 9	5 50	5 43	24 2	4 25	3 22	
S 29	23 15	21 23	4 26	18 42	4 35	23 43	0 38	24 8	0 47	11 43	1 2	7 10	2 25	2 31	0 44	17 6	1 46	17 41	15 9	5 46	5 42	24 4	4 25	3 22	
S 30	23n11	16n48	3n49	18n45	4s32	23n40	0n40	24n 7	0n48	11n40	1n 2	7n11	2s25	2n30	0n44	17s 5	1n46	17n41	15n 8	5n43	5n41	24n 6	4n25	3n22	

ASTRODIENST EPHEMERIS for the year 1968
geocentric

AUGUST 1968

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 38 39	8♂47'55	28♂44	1♂32	20♂16	26♂57	8♂8	25♂31	26♂35	23♂R46	21♂7	11♂Y38	12♂Y43	4♂II50	3♂R 5	T 1	
F 2	20 42 36	9°45'20	12♂43	3°37	21°30	27°36	8°20	25°32	26°38	23♂M46	21° 9	11°R38	12°40	4°56	3♂Y 4	F 2	
S 3	20 46 32	10°42'45	26°55	5°42	22°43	28°15	8°32	25°32	26°41	23°46	21°11	11°37	12°37	5° 3	3° 2	S 3	
S 4	20 50 29	11°40'11	11♂17	7°47	23°57	28°53	8°44	25°33	26°44	23°46	21°13	11°34	12°33	5°10	3° 1	S 4	
M 5	20 54 26	12°37'38	25°47	9°52	25°11	29°32	8°57	25°33	26°47	23°D46	21°15	11°28	12°30	5°16	3° 0	M 5	
T 6	20 58 22	13°35'06	10♂30	11°57	26°25	0♂11	9° 9	25°33	26°50	23°46	21°16	11°21	12°27	5°23	2°58	T 6	
W 7	21 2 19	14°32'34	24°50	14° 1	27°39	0°50	9°21	25°R33	26°53	23°46	21°18	11°12	12°24	5°30	2°56	W 7	
T 8	21 6 15	15°30'03	9♂10	16° 4	28°53	1°29	9°34	25°33	26°56	23°46	21°20	11° 4	12°21	5°37	2°55	T 8	
F 9	21 10 12	16°27'34	23°14	18° 7	0♂7	2° 7	9°46	25°33	26°59	23°46	21°22	10°56	12°17	5°43	2°53	F 9	
S 10	21 14 8	17°25'05	6♂57	20° 8	1°21	2°46	9°58	25°33	27° 2	23°46	21°24	10°50	12°14	5°50	2°52	S 10	
S 11	21 18 5	18°22'38	20°18	22° 8	2°34	3°25	10°11	25°32	27° 5	23°46	21°26	10°45	12°11	5°57	2°50	S 11	
M12	21 22 1	19°20'11	3♂Y16	24° 7	3°48	4° 4	10°23	25°32	27° 8	23°46	21°28	10°44	12° 8	6° 3	2°48	M12	
T 13	21 25 58	20°17'47	15°53	26° 5	5° 2	4°42	10°36	25°31	27°11	23°47	21°30	10°D43	12° 5	6°10	2°46	T 13	
W14	21 29 55	21°15'23	28°11	28° 1	6°16	5°21	10°49	25°31	27°14	23°47	21°31	10°44	12° 2	6°17	2°44	W14	
T 15	21 33 51	22°13'01	10♂15	29°56	7°30	5°59	11° 1	25°30	27°18	23°47	21°33	10°46	11°58	6°23	2°43	T 15	
F 16	21 37 48	23°10'41	22°10	1♂49	8°44	6°38	11°14	25°29	27°21	23°47	21°35	10°R46	11°55	6°30	2°41	F 16	
S 17	21 41 44	24° 8'22	4♂I 1	3°41	9°58	7°17	11°26	25°28	27°24	23°48	21°37	10°46	11°52	6°37	2°39	S 17	
S 18	21 45 41	25° 6'05	15°54	5°32	11°12	7°55	11°39	25°27	27°28	23°48	21°39	10°43	11°49	6°44	2°37	S 18	
M19	21 49 37	26° 3'50	27°52	7°21	12°26	8°34	11°52	25°26	27°31	23°49	21°41	10°39	11°46	6°50	2°35	M19	
T 20	21 53 34	27° 1'36	10♂5 0	9° 9	13°39	9°12	12° 5	25°25	27°34	23°49	21°43	10°33	11°43	6°57	2°33	T 20	
W21	21 57 30	27°59'24	22°20	10°55	14°53	9°51	12°17	25°23	27°38	23°50	21°45	10°26	11°39	7° 4	2°31	W21	
T 22	22 1 27	28°57'13	4♂56	12°40	16° 7	10°29	12°30	25°22	27°41	23°50	21°48	10°19	11°36	7°10	2°28	T 22	
F 23	22 5 24	29°55'04	17°47	14°24	17°21	11° 7	12°43	25°20	27°45	23°51	21°50	10°12	11°33	7°17	2°26	F 23	
S 24	22 9 20	0♂52'56	0♂55	16° 6	18°35	11°46	12°56	25°18	27°48	23°51	21°52	10° 6	11°30	7°24	2°24	S 24	
S 25	22 13 17	1°50'50	14°17	17°47	19°49	12°24	13° 9	25°17	27°52	23°52	21°54	10° 2	11°27	7°30	2°22	S 25	
M26	22 17 13	2°48'45	27°52	19°26	21° 3	13° 3	13°21	25°15	27°55	23°53	21°56	9°59	11°23	7°37	2°20	M26	
T 27	22 21 10	3°46'41	11♂38	21° 5	22°17	13°41	13°34	25°13	27°59	23°53	21°58	9°D59	11°20	7°44	2°17	T 27	
W28	22 25 6	4°44'39	25°33	22°41	23°30	14°19	13°47	25°11	28° 2	23°54	22° 0	10° 0	11°17	7°51	2°15	W28	
T 29	22 29 3	5°42'38	9♂35	24°17	24°44	14°57	14° 0	25° 9	28° 6	23°55	22° 2	10° 1	11°14	7°57	2°13	T 29	
F 30	22 32 59	6°40'39	23°42	25°51	25°58	15°36	14°13	25° 6	28° 9	23°56	22° 4	10° 2	11°11	8° 4	2°10	F 30	
S 31	22 36 56	7♂38'41	7♂53	27♂24	27♂12	16♂14	14♂26	25♂Y 4	28♂13	23♂M56	22♂6	10°R 3	11°Y 8	8♂II11	2♂Y 8	S 31	

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	18n 4	12s26	1s30	21n 4	1n17	16n 5	1n26	21n45	1n 0	9n27	1n 0	7n29	2s34	2n 1	0n43	17s 2	1n44
F 2	17 49	18 10	2 38	20 42	1 23	15 42	1 26	21 38	1 0	9 23	1 0	7 29	2 34	2 0	0 43	17 2	1 44
S 3	17 33	23 0	3 37	20 17	1 29	15 18	1 27	21 31	1 1	9 18	1 0	7 29	2 34	1 59	0 43	17 2	1 44
S 4	17 17	26 29	4 24	19 50	1 34	14 54	1 27	21 23	1 1	9 14	1 0	7 29	2 34	1 58	0 43	17 2	1 44
M 5	17 1	28 16	4 53	19 21	1 38	14 30	1 27	21 15	1 1	9 9	1 0	7 29	2 35	1 56	0 43	17 2	1 44
T 6	16 45	28 6	5 5	18 49	1 41	14 5	1 28	21 7	1 2	9 4	1 0	7 28	2 35	1 55	0 43	17 3	1 44
W 7	16 28	26 1	4 56	18 16	1 43	13 40	1 28	20 59	1 2	9 0	1 0	7 28	2 35	1 54	0 43	17 3	1 44
T 8	16 12	22 18	4 29	17 41	1 45	13 14	1 28	20 51	1 2	8 55	1 0	7 28	2 36	1 53	0 43	17 3	1 44
F 9	15 54	17 20	3 46	17 5	1 46	12 48	1 28	20 42	1 3	8 50	1 0	7 28	2 36	1 52	0 43	17 3	1 44
S 10	15 37	11 36	2 51	16 27	1 46	12 22	1 28	20 34	1 3	8 46	1 0	7 27	2 36	1 50	0 43	17 3	1 44
S 11	15 19	5 29	1 47	15 48	1 45	11 56	1 28	20 25	1 3	8 41	1 0	7 27	2 36	1 49	0 43	17 3	1 43
M12	15 2	0n41	0 40	15 8	1 44	11 29	1 28	20 16	1 4	8 36	1 0	7 27	2 37	1 48	0 43	17 3	1 43
T 13	14 43	6 41	0n28	14 26	1 43	11 1	1 27	20 8	1 4	8 31	1 0	7 26	2 37	1 46	0 43	17 3	1 43
W14	14 25	12 16	1 33	13 44	1 40	10 34	1 27	19 58	1 4	8 27	1 0	7 26	2 37	1 45	0 43	17 3	1 43
T 15	14 7	17 18	2 32	13 1	1 38	10 6	1 27	19 49	1 4	8 22	1 0	7 25	2 37	1 44	0 43	17 3	1 43
F 16	13 48	21 37	3 25	12 18	1 34	9 38	1 26	19 40	1 5	8 17	1 0	7 25	2 38	1 43	0 43	17 4	1 43
S 17	13 29	25 1	4 8	11 34	1 31	9 10	1 26	19 30	1 5	8 12	1 0	7 24	2 38	1 41	0 43	17 4	1 43
S 18	13 9	27 21	4 40	10 50	1 27	8 41	1 25	19 21	1 5	8 7	1 0	7 23	2 38	1 40	0 43	17 4	1 43
M19	12 50	28 27	5 1	10 5	1 22	8 12	1 25	19 11	1 6	8 2	1 0	7 23	2 38	1 39	0 43	17 4	1 43
T 20	12 30	28 12	5 9	9 20	1 17	7 43	1 24	19 1	1 6	7 58	1 0	7 22	2 39	1 37	0 43	17 4	1 43
W21	12 11	26 34	5 2	8 35	1 12	7 14	1 23	18 51	1 6	7 53	1 0	7 21	2 39	1 36	0 43	17 4	1 43
T 22	11 50	23 35	4 41	7 49	1 6	6 45	1 23	18 41	1 6	7 48	1 0	7 20	2 39	1 34	0 43	17 5	1 43
F 23	11 30	19 24	4 5	7 4	1 0	6 15	1 22	18 31	1 7	7 43	1 0	7 20	2 39	1 33	0 43	17 5	1 43
S 24	11 10	14 12	3 16	6 19	0 54	5 45	1 21	18 20	1 7	7 38	1 0	7 19	2 40	1 32	0 43	17 5	1 43
S 25	10 49	8 16	2 15	5 33	0 47	5 15	1 20	18 10	1 7	7 33	1 0	7 18	2 40	1 30	0 43	17 5	1 43
M26	10 28	1 51	1 5	4 48	0 40	4 45	1 19	17 59	1 8	7 28	1 0	7 17	2 40	1 29	0 43	17 5	1 43
T 27	10 8	4s44	0s 9	4 3	0 33	4 15	1 17	17 48	1 8	7 23	1 0	7 16	2 40	1 27	0 43	17 6	1 43
W28	9 46	11 11	1 24	3 18	0 26	3 45	1 16	17 38	1 8	7 18	1 0	7 15	2 41	1 26	0 43	17 6	1 42
T 29	9 25	17 7	2 34	2 34	0 19	3 14	1 15	17 27	1 8	7 13	1 0	7 14	2 41	1 25	0 43	17 6	1 42
F 30	9 4	22 11	3 36	1 49	0 11	2 44	1 14	17 16	1 9	7 8	1 0	7 13	2 41	1 23	0 43	17 6	1 42
S 31	8n42	25s59	4s25	1n 5	0n 4	2n13	1n12	17n 4	1n 9	7n 3	1n 0	7n12	2s41	1n22	0n43	17s 7	1n42

Julian Day Number = 2440069.5, Delta T = 38.81 sec
Ecliptic obliquity = 23°26'45", Nutation = - 0°00'03", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°18'05", Lahiri = 23°25'06"

ASTRODIENST EPHEMERIS for the year 1968

geocentric

SEPTEMBER 1968

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 40 53	8♈36'44	22♈5	28♈56	28♈26	16♈52	14♈39	25°R 1	28♈16	23♈57	22♈9	10°R 2	11♈4	8♈17	2°R 5	S 1
M 2	22 44 49	9°34'49	6♈18	0♈26	29°40	17°30	14°52	24°Y59	28°20	23°58	22°11	10°Y 0	11° 1	8°24	2°Y 3	M 2
T 3	22 48 46	10°32'55	20°26	1°55	0♈53	18° 8	15° 5	24°56	28°24	23°59	22°13	9°57	10°58	8°31	2° 0	T 3
W 4	22 52 42	11°31'03	4♈29	3°23	2° 7	18°46	15°18	24°54	28°27	24° 0	22°15	9°53	10°55	8°37	1°58	W 4
T 5	22 56 39	12°29'12	18°21	4°50	3°21	19°24	15°31	24°51	28°31	24° 1	22°17	9°49	10°52	8°44	1°55	T 5
F 6	23 0 35	13°27'22	2♈0	6°15	4°35	20° 2	15°44	24°48	28°35	24° 2	22°19	9°45	10°49	8°51	1°53	F 6
S 7	23 4 32	14°25'34	15°23	7°39	5°48	20°41	15°57	24°45	28°38	24° 3	22°22	9°42	10°45	8°58	1°50	S 7
S 8	23 8 28	15°23'48	28°29	9° 1	7° 2	21°19	16°10	24°42	28°42	24° 4	22°24	9°40	10°42	9° 4	1°48	S 8
M 9	23 12 25	16°22'04	11♈17	10°22	8°16	21°56	16°23	24°39	28°46	24° 5	22°26	9°D40	10°39	9°11	1°45	M 9
T 10	23 16 21	17°20'22	23°48	11°41	9°30	22°34	16°36	24°36	28°50	24° 6	22°28	9°41	10°36	9°18	1°43	T 10
W11	23 20 18	18°18'41	6♈3	12°59	10°43	23°12	16°49	24°32	28°53	24° 7	22°30	9°42	10°33	9°24	1°40	W11
T 12	23 24 15	19°17'03	18° 7	14°16	11°57	23°50	17° 2	24°29	28°57	24° 8	22°33	9°44	10°29	9°31	1°37	T 12
F 13	23 28 11	20°15'27	0♈11	15°31	13°11	24°28	17°15	24°25	29° 1	24°10	22°35	9°45	10°26	9°38	1°35	F 13
S 14	23 32 8	21°13'53	11°55	16°44	14°25	25° 6	17°28	24°22	29° 4	24°11	22°37	9°46	10°23	9°44	1°32	S 14
S 15	23 36 4	22°12'21	23°48	17°55	15°38	25°44	17°41	24°18	29° 8	24°12	22°39	9°R46	10°20	9°51	1°29	S 15
M16	23 40 1	23°10'52	5♈46	19° 5	16°52	26°22	17°54	24°15	29°12	24°13	22°41	9°46	10°17	9°58	1°27	M16
T 17	23 43 57	24° 9'24	17°55	20°13	18° 6	27° 0	18° 7	24°11	29°16	24°15	22°44	9°45	10°14	10° 5	1°24	T 17
W18	23 47 54	25° 7'59	0♈18	21°18	19°19	27°37	18°20	24° 7	29°20	24°16	22°46	9°43	10°10	10°11	1°21	W18
T 19	23 51 50	26° 6'35	12°59	22°21	20°33	28°15	18°33	24° 3	29°23	24°17	22°48	9°41	10° 7	10°18	1°19	T 19
F 20	23 55 47	27° 5'14	26° 0	23°22	21°47	28°53	18°46	23°59	29°27	24°19	22°50	9°39	10° 4	10°25	1°16	F 20
S 21	23 59 44	28° 3'55	9♈21	24°21	23° 0	29°31	18°59	23°55	29°31	24°20	22°52	9°38	10° 1	10°31	1°13	S 21
S 22	0 3 40	29° 2'38	23° 3	25°17	24°14	0♈8	19°12	23°51	29°35	24°22	22°55	9°37	9°58	10°38	1°10	S 22
M23	0 7 37	0♈1'23	7♈2	26°10	25°28	0°46	19°24	23°47	29°39	24°23	22°57	9°D36	9°54	10°45	1° 8	M23
T 24	0 11 33	1° 0'10	21°15	26°59	26°41	1°24	19°37	23°43	29°42	24°25	22°59	9°36	9°51	10°51	1° 5	T 24
W25	0 15 30	1°58'58	5♈37	27°46	27°55	2° 1	19°50	23°39	29°46	24°26	23° 1	9°37	9°48	10°58	1° 2	W25
T 26	0 19 26	2°57'49	20° 4	28°28	29° 9	2°39	20° 3	23°35	29°50	24°28	23° 3	9°38	9°45	11° 5	1° 0	T 26
F 27	0 23 23	3°56'42	4♈30	29° 7	0♈22	3°17	20°16	23°30	29°54	24°29	23° 6	9°38	9°42	11°12	0°57	F 27
S 28	0 27 19	4°55'36	18°52	29°41	1°36	3°54	20°29	23°26	29°57	24°31	23° 8	9°38	9°39	11°18	0°54	S 28
S 29	0 31 16	5°54'32	3♈7	0♈11	2°49	4°32	20°41	23°21	0♈1	24°32	23°10	9°R39	9°35	11°25	0°51	S 29
M30	0 35 13	6♈53'29	17♈11	0♈35	4♈3	5♈9	20♈54	23°Y17	0♈5	24♈34	23♈12	9°Y39	9°Y32	11♈32	0°Y49	M30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	8n21	28s 9	4s57	0n22	0s 4	1n42	1n11	16n53	1n 9	6n58	1n 0	7n11	2s42	1n20	0n42	17s 7	1n42	16n45	14n53	3n59	4n23	25n58	4n 0	3n27	
M 2	7 59	28 29	5 12	0s22	0 12	1 12	1 9	16 42	1 9	6 53	1 0	7 10	2 42	1 19	0 42	17 7	1 42	16 44	14 52	3 58	4 22	26 0	3 59	3 27	
T 3	7 37	26 57	5 7	1 5	0 20	0 41	1 8	16 30	1 10	6 48	1 0	7 9	2 42	1 17	0 42	17 7	1 42	16 43	14 52	3 56	4 20	26 1	3 58	3 27	
W 4	7 15	23 45	4 44	1 47	0 28	0 10	1 6	16 19	1 10	6 43	1 0	7 7	2 42	1 16	0 42	17 8	1 42	16 42	14 52	3 55	4 19	26 3	3 57	3 27	
T 5	6 53	19 13	4 5	2 29	0 37	0s21	1 4	16 7	1 10	6 38	1 0	7 6	2 43	1 14	0 42	17 8	1 42	16 41	14 52	3 53	4 18	26 4	3 56	3 27	
F 6	6 30	13 45	3 12	3 10	0 45	0 52	1 3	15 55	1 10	6 33	1 0	7 5	2 43	1 13	0 42	17 8	1 42	16 40	14 52	3 52	4 17	26 6	3 55	3 27	
S 7	6 8	7 45	2 9	3 51	0 53	1 23	1 1	15 43	1 11	6 28	1 0	7 4	2 43	1 11	0 42	17 9	1 42	16 39	14 52	3 51	4 16	26 7	3 54	3 27	
S 8	5 45	1 32	1 1	4 31	1 2	1 54	0 59	15 31	1 11	6 23	1 0	7 2	2 43	1 10	0 42	17 9	1 42	16 38	14 52	3 50	4 14	26 9	3 53	3 27	
M 9	5 23	4n36	0n 9	5 11	1 10	2 24	0 57	15 19	1 11	6 18	1 1	7 1	2 43	1 8	0 42	17 9	1 42	16 38	14 52	3 50	4 13	26 10	3 52	3 27	
T 10	5 0	10 26	1 17	5 50	1 18	2 55	0 55	15 7	1 11	6 13	1 1	7 0	2 44	1 7	0 42	17 10	1 42	16 37	14 52	3 50	4 12	26 12	3 51	3 27	
W11	4 37	15 45	2 20	6 28	1 27	3 26	0 53	14 55	1 12	6 8	1 1	6 58	2 44	1 5	0 42	17 10	1 42	16 36	14 52	3 51	4 11	26 13	3 50	3 27	
T 12	4 15	20 22	3 16	7 5	1 35	3 57	0 51	14 43	1 12	6 3	1 1	6 57	2 44	1 4	0 42	17 10	1 42	16 35	14 52	3 51	4 9	26 15	3 49	3 27	
F 13	3 52	24 7	4 3	7 42	1 43	4 28	0 49	14 30	1 12	5 58	1 1	6 55	2 44	1 2	0 42	17 11	1 42	16 34	14 52	3 52	4 8	26 16	3 48	3 27	
S 14	3 29	26 50	4 39	8 18	1 52	4 58	0 46	14 18	1 12	5 53	1 1	6 54	2 44	1 1	0 42	17 11	1 42	16 33	14 52	3 52	4 7	26 18	3 47	3 27	
S 15	3 6	28 21	5 4	8 53	2 0	5 29	0 44	14 5	1 13	5 48	1 1	6 53	2 44	0 59	0 42	17 11	1 41	16 32	14 52	3 52	4 6	26 19	3 45	3 27	
M16	2 42	28 34	5 15	9 27	2 8	5 59	0 42	13 52	1 13	5 43	1 1	6 51	2 45	0 58	0 42	17 12	1 41	16 32	14 53	3 52	4 4	26 21	3 44	3 27	
T 17	2 19	27 24	5 12	10 0	2 16	6 29	0 40	13 40	1 13	5 38	1 1	6 50	2 45	0 56	0 42	17 12	1 41	16 31	14 53	3 52	4 3	26 22	3 43	3 27	
W18	1 56	24 54	4 56	10 32	2 23	6 59	0 37	13 27	1 13	5 33	1 1	6 48	2 45	0 55	0 42	17 12	1 41	16 30	14 53	3 51	4 2	26 24	3 42	3 27	
T 19	1 33	21 8	4 24	11 2	2 31	7 29	0 35	13 14	1 14	5 28	1 1	6 46	2 45	0 53	0 42	17 13	1 41	16 29	14 53	3 50	4 1	26 25	3 41	3 27	
F 20	1 10	16 17	3 38	11 32	2 38	7 59	0 32	13 1	1 14	5 23	1 1	6 45	2 45	0 52	0 42	17 13	1 41	16 28	14 53	3 50	3 59	26 26	3 40	3 27	
S 21	0 46	10 32	2 40	12 0	2 46	8 29	0 30	12 48	1 14	5 18	1 1	6 43	2 45	0 50	0 42	17 14	1 41	16 28	14 53	3 49	3 58	26 28	3 39	3 27	
S 22	0 23	4 9	1 30	12 27	2 52	8 59	0 27	12 35	1 14	5 13	1 1	6 42	2 46	0 49	0 42	17 14	1 41	16 27	14 53	3 49	3 57	26 29	3 38	3 27	
M23	0s 1	2s34	0 14	12 53	2 59	9 28	0 25	12 22	1 14	5 8	1 1	6 40	2 46	0 47	0 42	17 14	1 41	16 26	14 53	3 48	3 56	26 31	3 36	3 27	
T 24	0 24	9 17	1s 4	13 17	3 5	9 57	0 22	12 9	1 15	5 3	1 1	6 38	2 46	0 46	0 42	17 15	1 41	16 25	14 53	3 48	3 54	26 32	3 35	3 27	
W25	0 47	15 35	2 19	13 39	3 11	10 26	0 20	11 55	1 15	4 58	1 1	6 37	2 46	0 44	0 42	17 15	1 41	16 24	14 53	3 49	3 53	26 34	3 34	3 26	
T 26	1 11	21 4	3 26	14 0	3 17	10 55	0 17	11 42	1 15	4 53	1 1	6 35	2 46	0 43	0 42	17 16	1 41	16 24	14 53	3 49	3 52	26 35	3 33	3 26	
F 27	1 34	25 18	4 19	14 18	3 21	11 23	0 14	11 29	1 15	4 48	1 1	6 33	2 46	0 41	0 42	17 16	1 41	16 23	14 54	3 49	3 51	26 36	3 32	3 26	
S 28	1 57	27 54	4 56	14 34	3 26	11 51	0 11	11 15	1 15	4 43	1 2	6 32	2 46	0 40	0 42	17 16	1 41	16 22	14 54	3 49	3 49	26 38	3 31	3 26	
S 29	2 21	28 39	5 15	14 48	3 30	12 19	0 9	11 2	1 16	4 38	1 2	6 30	2 46	0 38	0 42	17 17	1 41	16 21	14 54	3 49	3 48	26 39	3 30	3 26	
M30	2s44	27s32	5s14	15s 0	3s33	12s47	0n 6	10n48	1n16	4n33	1n 2	6n28	2s46	0n37	0n42	17s17	1n41	16n21	14n54	3n49	3n47	26n40	3n28	3n26	

ASTRODIENST EPHEMERIS for the year 1968

geocentric

OCTOBER 1968

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 39 9	7♂52'29	1♂ 3	0♂55	5♂16	5♂47	21♂7	23°R13	0♂ 9	24♂36	23♂14	9°R38	9°Y29	11♂38	0°R46	T 1
W 2	0 43 6	8°51'30	14°42	1° 8	6°30	6°24	21°20	23°Y 8	0°13	24°37	23°16	9°Y38	9°26	11°45	0°Y43	W 2
T 3	0 47 2	9°50'33	28° 9	1°R14	7°43	7° 2	21°32	23° 3	0°16	24°39	23°18	9°D38	9°23	11°52	0°41	T 3
F 4	0 50 59	10°49'37	11♂21	1°14	8°57	7°39	21°45	22°59	0°20	24°41	23°21	9°38	9°20	11°59	0°38	F 4
S 5	0 54 55	11°48'44	24°21	1° 7	10°10	8°16	21°57	22°54	0°24	24°43	23°23	9°39	9°16	12° 5	0°35	S 5
S 6	0 58 52	12°47'52	7°Y 6	0°52	11°24	8°54	22°10	22°50	0°28	24°44	23°25	9°R39	9°13	12°12	0°33	S 6
M 7	1 2 48	13°47'02	19°39	0°29	12°37	9°31	22°23	22°45	0°31	24°46	23°27	9°39	9°10	12°19	0°30	M 7
T 8	1 6 45	14°46'15	1♂59	29♂58	13°51	10° 9	22°35	22°40	0°35	24°48	23°29	9°38	9° 7	12°25	0°27	T 8
W 9	1 10 42	15°45'29	14° 9	29°19	15° 4	10°46	22°48	22°36	0°39	24°50	23°31	9°38	9° 4	12°32	0°25	W 9
T 10	1 14 38	16°44'46	26°10	28°33	16°18	11°23	23° 0	22°31	0°42	24°52	23°33	9°37	9° 0	12°39	0°22	T 10
F 11	1 18 35	17°44'05	8♂ 4	27°38	17°31	12° 0	23°12	22°26	0°46	24°54	23°35	9°36	8°57	12°45	0°20	F 11
S 12	1 22 31	18°43'27	19°55	26°38	18°44	12°38	23°25	22°21	0°50	24°55	23°37	9°34	8°54	12°52	0°17	S 12
S 13	1 26 28	19°42'51	1♂47	25°31	19°58	13°15	23°37	22°17	0°53	24°57	23°39	9°34	8°51	12°59	0°15	S 13
M14	1 30 24	20°42'16	13°44	24°21	21°11	13°52	23°49	22°12	0°57	24°59	23°41	9°33	8°48	13° 6	0°12	M14
T 15	1 34 21	21°41'45	25°51	23° 8	22°24	14°29	24° 2	22° 7	1° 1	25° 1	23°43	9°D33	8°45	13°12	0°10	T 15
W16	1 38 17	22°41'15	8♂11	21°55	23°38	15° 6	24°14	22° 2	1° 4	25° 3	23°45	9°33	8°41	13°19	0° 7	W16
T 17	1 42 14	23°40'48	20°50	20°44	24°51	15°44	24°26	21°57	1° 8	25° 5	23°47	9°34	8°38	13°26	0° 5	T 17
F 18	1 46 11	24°40'23	3♂15	19°36	26° 4	16°21	24°38	21°53	1°11	25° 7	23°49	9°36	8°35	13°32	0° 2	F 18
S 19	1 50 7	25°40'00	17°16	18°35	27°17	16°58	24°50	21°48	1°15	25° 9	23°51	9°37	8°32	13°39	29♂57	S 19
S 20	1 54 4	26°39'40	1♂ 7	17°40	28°31	17°35	25° 2	21°43	1°18	25°11	23°53	9°38	8°29	13°46	29°57	S 20
M21	1 58 0	27°39'21	15°22	16°55	29°44	18°12	25°14	21°38	1°22	25°13	23°55	9°R38	8°26	13°53	29°55	M21
T 22	2 1 57	28°39'05	29°57	16°21	0♂57	18°49	25°26	21°34	1°25	25°15	23°57	9°37	8°22	13°59	29°53	T 22
W23	2 5 53	29°38'51	14♂45	15°57	2°10	19°26	25°38	21°29	1°29	25°17	23°59	9°35	8°19	14° 6	29°51	W23
T 24	2 9 50	0♂38'38	29°40	15°45	3°24	20° 3	25°49	21°24	1°32	25°19	24° 1	9°32	8°16	14°13	29°48	T 24
F 25	2 13 46	1°38'28	14♂33	15°D43	4°37	20°40	26° 1	21°20	1°36	25°21	24° 3	9°29	8°13	14°19	29°46	F 25
S 26	2 17 43	2°38'19	29°15	15°53	5°50	21°17	26°13	21°15	1°39	25°24	24° 4	9°26	8°10	14°26	29°44	S 26
S 27	2 21 40	3°38'12	13♂43	16°14	7° 3	21°54	26°24	21°10	1°42	25°26	24° 6	9°24	8° 6	14°33	29°42	S 27
M28	2 25 36	4°38'07	27°51	16°44	8°16	22°31	26°36	21° 6	1°46	25°28	24° 8	9°23	8° 3	14°40	29°40	M28
T 29	2 29 33	5°38'03	11♂38	17°24	9°29	23° 7	26°47	21° 1	1°49	25°30	24°10	9°D23	8° 0	14°46	29°38	T 29
W30	2 33 29	6°38'01	25° 5	18°11	10°42	23°44	26°59	20°57	1°52	25°32	24°12	9°24	7°57	14°53	29°36	W30
T 31	2 37 26	7♂38'00	8♂14	19♂ 6	11♂55	24♂21	27♂10	20°Y52	1♂56	25♂34	24♂13	9°Y26	7°Y54	15♂ 0	29♂34	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	3s 7	24s44	4s55	15s 9	3s35	13s14	0n 3	10n34	1n16	4n28	1n 2	6n27	2s47	0n35	0n42	17s18	1n41
W 2	3 31	20 34	4 20	15 15	3 36	13 41	0 0	10 21	1 16	4 23	1 2	6 25	2 47	0 34	0 42	17 18	1 41
T 3	3 54	15 25	3 30	15 17	3 37	14 8	0s 3	10 7	1 16	4 18	1 2	6 23	2 47	0 32	0 42	17 19	1 41
F 4	4 17	9 38	2 31	15 17	3 36	14 34	0 5	9 53	1 17	4 13	1 2	6 21	2 47	0 31	0 42	17 19	1 41
S 5	4 40	3 32	1 24	15 12	3 34	15 0	0 8	9 39	1 17	4 9	1 2	6 20	2 47	0 29	0 42	17 20	1 41
S 6	5 3	2n36	0 14	15 4	3 30	15 26	0 11	9 26	1 17	4 4	1 2	6 18	2 47	0 28	0 42	17 20	1 41
M 7	5 26	8 32	0n55	14 51	3 25	15 51	0 14	9 12	1 17	3 59	1 2	6 16	2 47	0 26	0 42	17 20	1 40
T 8	5 49	14 3	2 1	14 34	3 19	16 16	0 17	8 58	1 17	3 54	1 2	6 14	2 47	0 25	0 42	17 21	1 40
W 9	6 12	18 57	3 0	14 12	3 11	16 41	0 20	8 44	1 18	3 49	1 3	6 12	2 47	0 23	0 42	17 21	1 40
T 10	6 35	23 1	3 50	13 46	3 0	17 5	0 23	8 30	1 18	3 44	1 3	6 11	2 47	0 22	0 42	17 22	1 40
F 11	6 58	26 6	4 30	13 15	2 48	17 29	0 26	8 16	1 18	3 39	1 3	6 9	2 47	0 21	0 42	17 22	1 40
S 12	7 20	28 1	4 58	12 41	2 35	17 52	0 29	8 1	1 18	3 35	1 3	6 7	2 47	0 19	0 42	17 23	1 40
S 13	7 43	28 39	5 13	12 2	2 19	18 15	0 32	7 47	1 18	3 30	1 3	6 5	2 47	0 18	0 42	17 23	1 40
M14	8 5	27 58	5 16	11 20	2 2	18 37	0 35	7 33	1 18	3 25	1 3	6 4	2 47	0 16	0 42	17 24	1 40
T 15	8 27	25 57	5 4	10 36	1 43	18 59	0 38	7 19	1 19	3 20	1 3	6 2	2 47	0 15	0 42	17 24	1 40
W16	8 50	22 42	4 38	9 50	1 24	19 20	0 41	7 5	1 19	3 16	1 3	6 0	2 47	0 13	0 42	17 25	1 40
T 17	9 12	18 19	3 58	9 5	1 3	19 41	0 43	6 50	1 19	3 11	1 3	5 58	2 47	0 12	0 42	17 25	1 40
F 18	9 34	12 58	3 5	8 20	0 43	20 2	0 46	6 36	1 19	3 6	1 3	5 56	2 47	0 11	0 42	17 26	1 40
S 19	9 55	6 53	2 0	7 37	0 22	20 22	0 49	6 22	1 19	3 2	1 4	5 55	2 47	0 9	0 42	17 26	1 40
S 20	10 17	0 16	0 47	6 58	0 2	20 41	0 52	6 8	1 19	2 57	1 4	5 53	2 47	0 8	0 42	17 27	1 40
M21	10 39	6s32	0s32	6 23	0n17	21 0	0 55	5 53	1 20	2 52	1 4	5 51	2 47	0 6	0 42	17 27	1 40
T 22	11 0	13 10	1 50	5 53	0 35	21 18	0 58	5 39	1 20	2 48	1 4	5 50	2 47	0 5	0 42	17 28	1 40
W23	11 21	19 10	3 2	5 29	0 52	21 36	1 1	5 24	1 20	2 43	1 4	5 48	2 47	0 4	0 43	17 28	1 40
T 24	11 42	24 1	4 2	5 10	1 7	21 53	1 4	5 10	1 20	2 39	1 4	5 46	2 47	0 2	0 43	17 29	1 40
F 25	12 3	27 16	4 45	4 57	1 21	22 9	1 6	4 56	1 20	2 34	1 4	5 44	2 47	0 1	0 43	17 29	1 40
S 26	12 24	28 36	5 9	4 50	1 32	22 25	1 9	4 41	1 20	2 29	1 4	5 43	2 47	0s 0	0 43	17 30	1 40
S 27	12 44	27 56	5 13	4 49	1 42	22 41	1 12	4 27	1 20	2 25	1 5	5 41	2 47	0 2	0 43	17 30	1 40
M28	13 4	25 28	4 58	4 52	1 51	22 55	1 15	4 12	1 21	2 21	1 5	5 40	2 47	0 3	0 43	17 31	1 40
T 29	13 24	21 33	4 26	5 1	1 58	23 9	1 17	3 58	1 21	2 16	1 5	5 38	2 47	0 4	0 43	17 32	1 40
W30	13 44	16 37	3 40	5 14	2 3	23 23	1 20	3 43	1 21	2 12	1 5	5 36	2 46	0 6	0 43	17 32	1 40
T 31	14s 4	11s 0	2s43	5s32	2n 7	23s35	1s23	3n29	1n21	2n 7	1n 5	5n35	2s46	0s 7	0n43	17s33	1n40

Julian Day Number = 2440130.5, Delta T = 38.97 sec
 Ecliptic obliquity = 23°26'46", Nutation = - 0°00'03", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 24°18'14", Lahiri = 23°25'14"

ASTRODIENST EPHEMERIS for the year 1968
geocentric

NOVEMBER 1968

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 41 22	8♐38'01	21♋ 6	20♊ 8	13♏ 8	24♏58	27♏21	20°R48	1♊59	25♐36	24♏15	9♏27	7♏51	15♐ 6	29°R32	F 1
S 2	2 45 19	9°38'03	3♏45	21°15	14°21	25°34	27°32	20°Y43	2° 2	25°39	24°17	9°R28	7°47	15°13	29°K30	S 2
S 3	2 49 15	10°38'08	16°11	22°27	15°34	26°11	27°44	20°39	2° 5	25°41	24°18	9°28	7°44	15°20	29°28	S 3
M 4	2 53 12	11°38'13	28°28	23°43	16°47	26°48	27°55	20°35	2° 8	25°43	24°20	9°27	7°41	15°27	29°26	M 4
T 5	2 57 9	12°38'21	10♊36	25° 3	18° 0	27°24	28° 6	20°31	2°12	25°45	24°22	9°23	7°38	15°33	29°24	T 5
W 6	3 1 5	13°38'31	22°38	26°26	19°13	28° 1	28°16	20°26	2°15	25°47	24°23	9°18	7°35	15°40	29°22	W 6
T 7	3 5 2	14°38'42	4♐34	27°52	20°25	28°38	28°27	20°22	2°18	25°50	24°25	9°12	7°32	15°47	29°21	T 7
F 8	3 8 58	15°38'56	16°27	29°19	21°38	29°14	28°38	20°18	2°21	25°52	24°26	9° 5	7°28	15°53	29°19	F 8
S 9	3 12 55	16°39'11	28°18	0♐49	22°51	29°51	28°49	20°14	2°24	25°54	24°28	8°58	7°25	16° 0	29°17	S 9
S 10	3 16 51	17°39'28	10♊10	2°19	24° 4	0♊27	28°59	20°10	2°27	25°56	24°29	8°52	7°22	16° 7	29°16	S 10
M 11	3 20 48	18°39'47	22° 6	3°52	25°16	1° 4	29°10	20° 6	2°30	25°59	24°31	8°47	7°19	16°14	29°14	M 11
T 12	3 24 44	19°40'08	4♏10	5°24	26°29	1°40	29°20	20° 2	2°33	26° 1	24°32	8°43	7°16	16°20	29°13	T 12
W 13	3 28 41	20°40'31	16°26	6°58	27°42	2°16	29°30	19°59	2°35	26° 3	24°34	8°D42	7°12	16°27	29°11	W 13
T 14	3 32 38	21°40'56	28°59	8°32	28°54	2°53	29°40	19°55	2°38	26° 5	24°35	8°42	7° 9	16°34	29°10	T 14
F 15	3 36 34	22°41'23	11♏53	10° 7	0♊ 7	3°29	29°51	19°51	2°41	26° 8	24°36	8°43	7° 6	16°40	29° 8	F 15
S 16	3 40 31	23°41'51	25°12	11°42	1°19	4° 6	0♊ 1	19°48	2°44	26°10	24°38	8°45	7° 3	16°47	29° 7	S 16
S 17	3 44 27	24°42'21	9♊ 0	13°17	2°32	4°42	0°10	19°44	2°46	26°12	24°39	8°R45	7° 0	16°54	29° 6	S 17
M 18	3 48 24	25°42'54	23°15	14°53	3°44	5°18	0°20	19°41	2°49	26°14	24°40	8°44	6°57	17° 1	29° 5	M 18
T 19	3 52 20	26°43'28	7♐57	16°28	4°56	5°54	0°30	19°38	2°52	26°17	24°42	8°41	6°53	17° 7	29° 3	T 19
W 20	3 56 17	27°44'03	22°59	18° 3	6° 9	6°30	0°40	19°34	2°54	26°19	24°43	8°36	6°50	17°14	29° 2	W 20
T 21	4 0 13	28°44'40	8♏14	19°39	7°21	7° 7	0°49	19°31	2°57	26°21	24°44	8°29	6°47	17°21	29° 1	T 21
F 22	4 4 10	29°45'19	23°29	21°14	8°33	7°43	0°58	19°28	2°59	26°23	24°45	8°21	6°44	17°27	29° 0	F 22
S 23	4 8 7	0♊45'59	8♊34	22°49	9°46	8°19	1° 8	19°25	3° 2	26°26	24°46	8°13	6°41	17°34	28°59	S 23
S 24	4 12 3	1°46'40	23°21	24°25	10°58	8°55	1°17	19°22	3° 4	26°28	24°48	8° 6	6°38	17°41	28°58	S 24
M 25	4 16 0	2°47'23	7♏42	26° 0	12°10	9°31	1°26	19°19	3° 7	26°30	24°49	8° 1	6°34	17°48	28°58	M 25
T 26	4 19 56	3°48'06	21°37	27°35	13°22	10° 7	1°35	19°17	3° 9	26°32	24°50	7°58	6°31	17°54	28°57	T 26
W 27	4 23 53	4°48'50	5♋ 4	29°10	14°34	10°43	1°44	19°14	3°11	26°35	24°51	7°D57	6°28	18° 1	28°56	W 27
T 28	4 27 49	5°49'35	18° 7	0♊44	15°46	11°19	1°53	19°12	3°13	26°37	24°52	7°58	6°25	18° 8	28°55	T 28
F 29	4 31 46	6°50'21	0♏49	2°19	16°58	11°54	2° 1	19° 9	3°16	26°39	24°53	7°59	6°22	18°14	28°55	F 29
S 30	4 35 42	7♏51'08	13♏15	3♏53	18♊10	12♊30	2♊10	19°Y 7	3♊18	26♐41	24♏54	7°R59	6°Y18	18♐21	28°K54	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	14s23	5s 3	1s39	5s52	2n 9	23s47	1s25	3n15	1n21	2n 3	1n 5	5n33	2s46	0s 8	0n43	17s33	1n40	16n 4	15n 3	3n45	3n 7	27n20	2n54	3n22	
S 2	14 42	1n 1	0 31	6 16	2 11	23 59	1 28	3 0	1 21	1 59	1 5	5 32	2 46	0 9	0 43	17 34	1 40	16 3	15 3	3 45	3 5	27 21	2 53	3 21	
S 3	15 1	6 56	0n37	6 42	2 11	24 10	1 30	2 46	1 21	1 54	1 6	5 30	2 46	0 11	0 43	17 34	1 40	16 3	15 4	3 45	3 4	27 22	2 52	3 21	
M 4	15 20	12 31	1 42	7 11	2 11	24 20	1 33	2 31	1 21	1 50	1 6	5 29	2 46	0 12	0 43	17 35	1 40	16 3	15 4	3 45	3 3	27 23	2 51	3 21	
T 5	15 38	17 34	2 42	7 42	2 9	24 29	1 35	2 17	1 22	1 46	1 6	5 27	2 46	0 13	0 43	17 35	1 40	16 3	15 4	3 43	3 2	27 24	2 50	3 21	
W 6	15 56	21 52	3 33	8 14	2 7	24 38	1 37	2 2	1 22	1 42	1 6	5 26	2 46	0 14	0 43	17 36	1 40	16 2	15 5	3 41	3 0	27 25	2 49	3 21	
T 7	16 14	25 15	4 15	8 47	2 4	24 46	1 40	1 48	1 22	1 38	1 6	5 24	2 45	0 16	0 43	17 36	1 40	16 2	15 5	3 39	2 59	27 26	2 48	3 20	
F 8	16 32	27 30	4 46	9 21	2 1	24 53	1 42	1 33	1 22	1 34	1 6	5 23	2 45	0 17	0 43	17 37	1 40	16 2	15 6	3 36	2 58	27 27	2 47	3 20	
S 9	16 49	28 30	5 4	9 56	1 57	24 59	1 44	1 19	1 22	1 29	1 7	5 21	2 45	0 18	0 43	17 37	1 40	16 2	15 6	3 33	2 57	27 28	2 46	3 20	
S 10	17 6	28 12	5 10	10 32	1 52	25 5	1 46	1 5	1 22	1 25	1 7	5 20	2 45	0 19	0 43	17 38	1 40	16 1	15 6	3 31	2 55	27 30	2 46	3 20	
M11	17 23	26 35	5 1	11 8	1 47	25 10	1 48	0 50	1 22	1 21	1 7	5 19	2 45	0 20	0 43	17 38	1 40	16 1	15 7	3 29	2 54	27 31	2 45	3 20	
T 12	17 39	23 45	4 40	11 44	1 42	25 14	1 50	0 36	1 22	1 17	1 7	5 18	2 45	0 21	0 43	17 39	1 40	16 1	15 7	3 28	2 53	27 32	2 44	3 19	
W13	17 56	19 49	4 5	12 20	1 36	25 18	1 52	0 21	1 22	1 13	1 7	5 16	2 45	0 22	0 43	17 40	1 40	16 1	15 8	3 27	2 52	27 33	2 43	3 19	
T 14	18 11	14 56	3 18	12 56	1 30	25 21	1 54	0 7	1 23	1 10	1 7	5 15	2 44	0 23	0 43	17 40	1 40	16 1	15 8	3 27	2 50	27 34	2 43	3 19	
F 15	18 27	9 16	2 20	13 31	1 24	25 23	1 56	0s 7	1 23	1 6	1 8	5 14	2 44	0 25	0 43	17 41	1 40	16 1	15 9	3 28	2 49	27 35	2 42	3 19	
S 16	18 42	3 1	1 13	14 7	1 18	25 24	1 58	0 22	1 23	1 2	1 8	5 13	2 44	0 26	0 43	17 41	1 40	16 0	15 9	3 28	2 48	27 36	2 41	3 18	
S 17	18 57	3s35	0s 1	14 42	1 11	25 25	2 0	0 36	1 23	0 58	1 8	5 12	2 44	0 27	0 43	17 42	1 40	16 0	15 10	3 28	2 47	27 37	2 40	3 18	
M18	19 12	10 14	1 17	15 16	1 5	25 25	2 1	0 50	1 23	0 54	1 8	5 10	2 44	0 28	0 43	17 42	1 40	16 0	15 10	3 28	2 45	27 38	2 40	3 18	
T 19	19 26	16 32	2 31	15 50	0 58	25 24	2 3	1 5	1 23	0 51	1 8	5 9	2 43	0 29	0 43	17 43	1 40	16 0	15 11	3 27	2 44	27 39	2 39	3 18	
W20	19 40	21 59	3 35	16 24	0 51	25 22	2 4	1 19	1 23	0 47	1 8	5 8	2 43	0 30	0 43	17 43	1 40	16 0	15 11	3 25	2 43	27 40	2 38	3 18	
T 21	19 53	26 2	4 25	16 56	0 44	25 20	2 6	1 33	1 23	0 43	1 9	5 7	2 43	0 31	0 43	17 44	1 40	16 0	15 11	3 22	2 42	27 40	2 38	3 17	
F 22	20 6	28 13	4 56	17 28	0 37	25 17	2 7	1 47	1 23	0 40	1 9	5 6	2 43	0 32	0 43	17 44	1 40	16 0	15 12	3 19	2 40	27 41	2 37	3 17	
S 23	20 19	28 15	5 6	17 59	0 31	25 13	2 8	2 1	1 23	0 36	1 9	5 5	2 43	0 33	0 43	17 45	1 40	16 0	15 12	3 15	2 39	27 42	2 37	3 17	
S 24	20 31	26 17	4 55	18 30	0 24	25 9	2 9	2 15	1 23	0 33	1 9	5 5	2 42	0 34	0 43	17 45	1 40	16 0	15 13	3 13	2 38	27 43	2 36	3 17	
M25	20 43	22 38	4 26	18 59	0 17	25 3	2 10	2 29	1 23	0 29	1 9	5 4	2 42	0 34	0 43	17 46	1 40	16 0	15 13	3 11	2 37	27 44	2 35	3 16	
T 26	20 55	17 48	3 42	19 28	0 10	24 57	2 11	2 44	1 24	0 26	1 10	5 3	2 42	0 35	0 43	17 46	1 40	16 0	15 14	3 10	2 35	27 45	2 35	3 16	
W27	21 6	12 14	2 47	19 56	0 3	24 50	2 12	2 58	1 24	0 23	1 10	5 2	2 42	0 36	0 43	17 47	1 40	16 0	15 14	3 9	2 34	27 46	2 34	3 16	
T 28	21 17	6 18	1 44	20 22	0s 4	24 43	2 13	3 12	1 24	0 19	1 10	5 1	2 42	0 37	0 43	17 47	1 40	16 0	15 15	3 10	2 33	27 47	2 34	3 16	
F 29	21 27	0 15	0 38	20 48	0 11	24 35	2 14	3 25	1 24	0 16	1 10	5 1	2 41	0 38	0 43	17 48	1 40	16 0	15 15	3 10	2 32	27 48	2 33	3 16	
S 30	21s37	5n40	0n28	21s13	0s17	24s26	2s14	3s39	1n24	0n13	1n10	5n 0	2s41	0s39	0n43	17s48	1n40	16n 0	15n16	3n10	2n30	27n49	2n33	3n15	

ASTRODIENST EPHEMERIS for the year 1968
geocentric

DECEMBER 1968

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 39 39	8°51'56	25°29	5°28	19°21	13°6	2°18	19°R 5	3°20	26°44	24°55	7°R57	6°Y15	18°II28	28°R54	S 1
M 2	4 43 36	9°52'45	7°33	7° 2	20°33	13°42	2°26	19°Y 2	3°22	26°46	24°55	7°Y53	6°12	18°35	28°K53	M 2
T 3	4 47 32	10°53'36	19°32	8°37	21°45	14°17	2°34	19° 0	3°24	26°48	24°56	7°46	6° 9	18°41	28°53	T 3
W 4	4 51 29	11°54'27	1°II26	10°11	22°56	14°53	2°42	18°58	3°26	26°50	24°57	7°36	6° 6	18°48	28°52	W 4
T 5	4 55 25	12°55'19	13°19	11°45	24° 8	15°29	2°50	18°57	3°28	26°52	24°58	7°24	6° 3	18°55	28°52	T 5
F 6	4 59 22	13°56'12	25°11	13°19	25°19	16° 4	2°58	18°55	3°29	26°55	24°59	7°11	5°59	19° 1	28°52	F 6
S 7	5 3 18	14°57'07	7°34	14°54	26°31	16°40	3° 6	18°53	3°31	26°57	24°59	6°57	5°56	19° 8	28°51	S 7
S 8	5 7 15	15°58'02	19° 0	16°28	27°42	17°15	3°13	18°52	3°33	26°59	25° 0	6°45	5°53	19°15	28°51	S 8
M 9	5 11 12	16°58'59	0°Ω59	18° 2	28°53	17°51	3°20	18°50	3°35	27° 1	25° 1	6°34	5°50	19°22	28°51	M 9
T 10	5 15 8	17°59'56	13° 5	19°36	0°≈ 4	18°26	3°28	18°49	3°36	27° 3	25° 1	6°26	5°47	19°28	28°D51	T 10
W11	5 19 5	19° 0'55	25°21	21°11	1°15	19° 1	3°35	18°48	3°38	27° 5	25° 2	6°21	5°44	19°35	28°51	W11
T 12	5 23 1	20° 1'55	7°II31	22°45	2°26	19°37	3°42	18°47	3°40	27° 7	25° 2	6°19	5°40	19°42	28°51	T 12
F 13	5 26 58	21° 2'56	20°38	24°20	3°37	20°12	3°48	18°46	3°41	27°10	25° 3	6°D18	5°37	19°48	28°51	F 13
S 14	5 30 54	22° 3'57	3°Ω48	25°54	4°47	20°47	3°55	18°45	3°42	27°12	25° 3	6°R18	5°34	19°55	28°52	S 14
S 15	5 34 51	23° 5'00	17°24	27°29	5°58	21°22	4° 1	18°44	3°44	27°14	25° 4	6°18	5°31	20° 2	28°52	S 15
M16	5 38 47	24° 6'04	1°II29	29° 4	7° 8	21°57	4° 8	18°43	3°45	27°16	25° 4	6°16	5°28	20° 9	28°52	M16
T 17	5 42 44	25° 7'09	16° 1	0°Ω39	8°19	22°32	4°14	18°43	3°46	27°18	25° 5	6°11	5°24	20°15	28°52	T 17
W18	5 46 41	26° 8'15	0°≈58	2°14	9°29	23° 7	4°20	18°42	3°48	27°20	25° 5	6° 4	5°21	20°22	28°53	W18
T 19	5 50 37	27° 9'22	3°16'13	3°49	10°39	23°42	4°26	18°42	3°49	27°22	25° 5	5°54	5°18	20°29	28°53	T 19
F 20	5 54 34	28°10'29	1°Ω35	5°25	11°49	24°17	4°32	18°42	3°50	27°24	25° 6	5°42	5°15	20°36	28°54	F 20
S 21	5 58 30	29°11'37	16°51	7° 0	12°59	24°52	4°37	18°D42	3°51	27°26	25° 6	5°31	5°12	20°42	28°54	S 21
S 22	6 2 27	0°Ω12'45	1°≈52	8°36	14° 9	25°27	4°42	18°42	3°52	27°28	25° 6	5°20	5° 9	20°49	28°55	S 22
M23	6 6 23	1°13'53	16°28	10°12	15°19	26° 2	4°48	18°42	3°53	27°30	25° 6	5°12	5° 5	20°56	28°56	M23
T 24	6 10 20	2°15'02	0°K34	11°47	16°29	26°36	4°53	18°42	3°54	27°32	25° 6	5° 7	5° 2	21° 2	28°56	T 24
W25	6 14 16	3°16'10	14°10	13°23	17°38	27°11	4°58	18°42	3°55	27°34	25° 6	5° 4	4°59	21° 9	28°57	W25
T 26	6 18 13	4°17'19	27°18	14°59	18°47	27°45	5° 2	18°43	3°55	27°36	25° 7	5° 3	4°56	21°16	28°58	T 26
F 27	6 22 10	5°18'27	10°Y 1	16°35	19°56	28°20	5° 7	18°43	3°56	27°38	25° 7	5° 3	4°53	21°23	28°59	F 27
S 28	6 26 6	6°19'36	22°25	18°11	21° 5	28°54	5°11	18°44	3°57	27°39	25°R 7	5° 2	4°50	21°29	29° 0	S 28
S 29	6 30 3	7°20'44	4°Ω34	19°47	22°14	29°28	5°16	18°45	3°57	27°41	25° 7	5° 0	4°46	21°36	29° 1	S 29
M30	6 33 59	8°21'53	16°32	21°22	23°23	0°ML 3	5°20	18°46	3°58	27°43	25° 7	4°55	4°43	21°43	29° 2	M30
T 31	6 37 56	9°Ω23'01	28°Ω26	22°Ω58	24°≈31	0°ML37	5°24	18°Y47	3°59	27°45	25° 6	4°Y47	4°Y40	21°II49	29°K 3	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
S 1	21s47	11n17	1n32	21s37	0s24	24s16	2s15	3s53	1n24	0n10	1n11	4n59	2s41	0s40	0n43	17s49
M 2	21 56	16 25	2 31	21 59	0 30	24 6	2 15	4 7	1 24	0 7	1 11	4 59	2 41	0 40	0 44	17 49
T 3	22 5	20 52	3 22	22 21	0 37	23 55	2 16	4 21	1 24	0 4	1 11	4 58	2 40	0 41	0 44	17 50
W 4	22 13	24 26	4 4	22 42	0 43	23 44	2 16	4 34	1 24	0 1	1 11	4 58	2 40	0 42	0 44	17 50
T 5	22 21	26 58	4 36	23 1	0 49	23 31	2 16	4 48	1 24	0s 2	1 12	4 57	2 40	0 43	0 44	17 51
F 6	22 29	28 16	4 55	23 19	0 55	23 19	2 16	5 2	1 24	0 5	1 12	4 57	2 40	0 43	0 44	17 51
S 7	22 36	28 16	5 1	23 36	1 1	23 5	2 16	5 15	1 24	0 8	1 12	4 57	2 39	0 44	0 44	17 52
S 8	22 42	26 58	4 55	23 52	1 7	22 51	2 16	5 29	1 24	0 11	1 12	4 56	2 39	0 45	0 44	17 52
M 9	22 49	24 25	4 35	24 7	1 12	22 36	2 16	5 42	1 24	0 13	1 12	4 56	2 39	0 45	0 44	17 53
T 10	22 54	20 46	4 3	24 20	1 18	22 21	2 15	5 56	1 24	0 16	1 13	4 56	2 39	0 46	0 44	17 53
W11	22 59	16 12	3 19	24 32	1 23	22 5	2 15	6 9	1 24	0 18	1 13	4 55	2 38	0 46	0 44	17 54
T 12	23 4	10 52	2 25	24 43	1 28	21 48	2 14	6 22	1 24	0 21	1 13	4 55	2 38	0 47	0 44	17 54
F 13	23 9	4 58	1 22	24 52	1 33	21 31	2 13	6 36	1 24	0 23	1 13	4 55	2 38	0 48	0 44	17 55
S 14	23 12	1s19	0 13	25 0	1 37	21 13	2 13	6 49	1 24	0 26	1 14	4 55	2 37	0 48	0 44	17 55
S 15	23 16	7 44	0s58	25 7	1 42	20 55	2 12	7 2	1 24	0 28	1 14	4 55	2 37	0 49	0 44	17 55
M16	23 19	14 0	2 9	25 12	1 46	20 36	2 11	7 15	1 24	0 31	1 14	4 55	2 37	0 49	0 44	17 56
T 17	23 21	19 43	3 13	25 16	1 50	20 16	2 10	7 28	1 24	0 33	1 14	4 55	2 37	0 50	0 44	17 56
W18	23 23	24 22	4 6	25 19	1 53	19 57	2 8	7 41	1 24	0 35	1 15	4 55	2 36	0 50	0 44	17 57
T 19	23 25	27 25	4 43	25 20	1 57	19 36	2 7	7 54	1 24	0 37	1 15	4 55	2 36	0 50	0 44	17 57
F 20	23 26	28 25	4 59	25 20	2 0	19 15	2 5	8 7	1 24	0 39	1 15	4 55	2 36	0 51	0 44	17 58
S 21	23 27	27 15	4 54	25 18	2 2	18 54	2 4	8 19	1 24	0 41	1 15	4 56	2 36	0 51	0 44	17 58
S 22	23 27	24 7	4 29	25 15	2 5	18 32	2 2	8 32	1 24	0 43	1 16	4 56	2 35	0 52	0 44	17 59
M23	23 26	19 30	3 46	25 10	2 7	18 10	2 0	8 45	1 24	0 45	1 16	4 56	2 35	0 52	0 44	17 59
T 24	23 26	13 56	2 51	25 3	2 8	17 47	1 58	8 57	1 24	0 47	1 16	4 57	2 35	0 52	0 44	17 59
W25	23 24	7 53	1 48	24 55	2 10	17 24	1 56	9 10	1 24	0 48	1 16	4 57	2 34	0 53	0 44	18 0
T 26	23 23	1 42	0 41	24 46	2 11	17 0	1 54	9 22	1 24	0 50	1 17	4 57	2 34	0 53	0 44	18 0
F 27	23 20	4n22	0n26	24 35	2 11	16 36	1 51	9 34	1 24	0 51	1 17	4 58	2 34	0 53	0 44	18 1
S 28	23 18	10 7	1 30	24 22	2 11	16 12	1 49	9 47	1 24	0 53	1 17	4 58	2 34	0 53	0 44	18 1
S 29	23 15	15 23	2 29	24 8	2 10	15 47	1 46	9 59	1 24	0 54	1 17	4 59	2 33	0 54	0 45	18 1
M30	23 11	19 59	3 20	23 53	2 9	15 22	1 44	10 11	1 24	0 56	1 18	5 0	2 33	0 54	0 45	18 2
T 31	23s 7	23n45	4n 2	23s36	2s 8	14s56	1s41	10s23	1n24	0s57	1n18	5n 0	2s33	0s54	0n45	18s 2

Julian Day Number = 2440191.5, Delta T = 39.12 sec
Ecliptic obliquity = 23°26'45, Nutation = - 0°00'03, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 24°18'22, Lahiri = 23°25'22