



Astrodienst Ephemeris Tables for the year 1939

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 1939
geocentric

JANUARY 1939

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 38 59	9°34'02.22	3°8'59	17°7' 7	27°18'18	12°18'30	0°18'26	11°17'30	14°R 2	23°R20	0°R49	16°18'21	14°18'53	1°18'10	6°R56	S 1
M 2	6 42 56	10°41'31	17°33	18° 1	27°58	13° 7	0°37	11°32	14°8 1	23°19	0°148	16°R22	14°50	1°17	6°52	M 2
T 3	6 46 53	11°42'40	1°11'35	18°58	28°39	13°44	0°49	11°34	14° 0	23°19	0°47	16°21	14°47	1°24	6°48	T 3
W 4	6 50 49	12°43'48	16° 7	19°59	29°21	14°21	1° 1	11°36	13°59	23°19	0°46	16°17	14°44	1°31	6°44	W 4
T 5	6 54 46	13°44'57	1°16' 3	21° 3	0°18' 4	14°58	1°13	11°38	13°58	23°19	0°44	16°12	14°40	1°37	6°40	T 5
F 6	6 58 42	14°46'05	16°15	22°10	0°48	15°36	1°25	11°41	13°57	23°18	0°43	16° 4	14°37	1°44	6°36	F 6
S 7	7 2 39	15°47'13	1°18'34	23°19	1°34	16°13	1°37	11°43	13°56	23°18	0°42	15°54	14°34	1°51	6°32	S 7
S 8	7 6 35	16°48'21	16°48	24°31	2°20	16°50	1°49	11°46	13°56	23°17	0°40	15°45	14°31	1°57	6°28	S 8
M 9	7 10 32	17°49'29	1°18'46	25°44	3° 7	17°27	2° 2	11°48	13°55	23°17	0°39	15°36	14°28	2° 4	6°24	M 9
T 10	7 14 29	18°50'37	16°21	26°59	3°55	18° 4	2°14	11°51	13°54	23°16	0°38	15°30	14°25	2°11	6°20	T 10
W 11	7 18 25	19°51'45	0°12'29	28°16	4°45	18°41	2°26	11°54	13°53	23°16	0°37	15°26	14°21	2°18	6°16	W 11
T 12	7 22 22	20°52'53	14° 8	29°34	5°34	19°18	2°39	11°57	13°53	23°15	0°35	15°24	14°18	2°24	6°12	T 12
F 13	7 26 18	21°54'01	27°21	0°18'53	6°25	19°56	2°52	12° 0	13°52	23°15	0°34	15°D24	14°15	2°31	6° 8	F 13
S 14	7 30 15	22°55'09	10°18'11	2°14	7°17	20°33	3° 4	12° 3	13°52	23°14	0°33	15°R24	14°12	2°38	6° 5	S 14
S 15	7 34 11	23°56'16	22°43	3°36	8° 9	21°10	3°17	12° 6	13°51	23°14	0°31	15°24	14° 9	2°45	6° 1	S 15
M 16	7 38 8	24°57'24	5°18' 1	4°58	9° 2	21°47	3°30	12° 9	13°51	23°13	0°30	15°22	14° 5	2°51	5°57	M 16
T 17	7 42 4	25°58'31	17° 8	6°22	9°55	22°24	3°43	12°13	13°51	23°12	0°29	15°18	14° 2	2°58	5°53	T 17
W 18	7 46 1	26°59'38	29° 8	7°47	10°50	23° 1	3°56	12°16	13°51	23°11	0°27	15°10	13°59	3° 5	5°50	W 18
T 19	7 49 58	28° 0'45	11°18' 4	9°12	11°44	23°37	4° 9	12°20	13°50	23°11	0°26	15° 0	13°56	3°11	5°46	T 19
F 20	7 53 54	29° 1'51	22°57	10°38	12°40	24°14	4°22	12°24	13°50	23°10	0°25	14°47	13°53	3°18	5°42	F 20
S 21	7 57 51	0°18'25'7	4°18'49	12° 6	13°36	24°51	4°35	12°28	13°50	23° 9	0°23	14°33	13°50	3°25	5°39	S 21
S 22	8 1 47	1° 4'01	16°41	13°33	14°33	25°28	4°48	12°32	13°50	23° 8	0°22	14°18	13°46	3°32	5°35	S 22
M 23	8 5 44	2° 5'05	28°35	15° 2	15°30	26° 5	5° 2	12°36	13°D50	23° 7	0°20	14° 4	13°43	3°38	5°32	M 23
T 24	8 9 40	3° 6'08	10°18'32	16°31	16°27	26°42	5°15	12°40	13°50	23° 6	0°19	13°52	13°40	3°45	5°28	T 24
W 25	8 13 37	4° 7'10	22°34	18° 1	17°25	27°18	5°28	12°44	13°50	23° 5	0°18	13°43	13°37	3°52	5°25	W 25
T 26	8 17 33	5° 8'11	4°18'44	19°31	18°24	27°55	5°42	12°48	13°50	23° 4	0°16	13°37	13°34	3°58	5°22	T 26
F 27	8 21 30	6° 9'11	17° 6	21° 3	19°23	28°32	5°55	12°52	13°51	23° 3	0°15	13°33	13°31	4° 5	5°18	F 27
S 28	8 25 27	7°10'10	29°45	22°35	20°23	29° 8	6° 9	12°57	13°51	23° 2	0°14	13°32	13°27	4°12	5°15	S 28
S 29	8 29 23	8°11'08	12°18'43	24° 7	21°22	29°45	6°23	13° 1	13°51	23° 1	0°12	13°32	13°24	4°19	5°12	S 29
M 30	8 33 20	9°12'05	26° 6	25°40	22°23	0°18'22	6°36	13° 6	13°52	23° 0	0°11	13°32	13°21	4°25	5° 9	M 30
T 31	8 37 16	10°13'00	9°18'57	27°18'14	23°18'24	0°18'58	6°18'50	13°18'11	13°18'52	22°18'59	0°18'10	13°18'30	13°18'18	4°18'32	5°18' 6	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	23s 6	13n53	1n 6	20s39	2n11	15s37	4n 3	14s42	0n56	12s16	1 s 1	2n15	2s30	15n42	0s22	3n43	1n10	23n17	3n24	16s44	16s18	15s 1	16n15	7s 2					
M 2	23 1	16 58	0s 6	20 52	2 2	15 44	4 5	14 53	0 56	12 12	1 1	2 16	2 30	15 42	0 22	3 43	1 10	23 18	3 24	16 44	16 17	15 0	16 15	7 2					
T 3	22 56	19 10	1 21	21 6	1 54	15 51	4 7	15 5	0 55	12 8	1 1	2 17	2 29	15 42	0 22	3 43	1 10	23 18	3 24	16 44	16 17	14 58	16 15	7 2					
W 4	22 50	20 12	2 32	21 19	1 45	15 58	4 9	15 16	0 55	12 3	1 0	2 18	2 29	15 41	0 22	3 43	1 10	23 18	3 24	16 43	16 16	14 56	16 15	7 2					
T 5	22 44	19 51	3 35	21 32	1 36	16 6	4 10	15 28	0 55	11 59	1 0	2 19	2 29	15 41	0 22	3 44	1 10	23 19	3 24	16 41	16 15	14 55	16 15	7 2					
F 6	22 38	18 5	4 24	21 45	1 28	16 14	4 11	15 39	0 54	11 55	1 0	2 20	2 29	15 41	0 22	3 44	1 10	23 19	3 24	16 39	16 14	14 53	16 16	7 2					
S 7	22 31	15 1	4 55	21 58	1 19	16 22	4 12	15 50	0 54	11 50	1 0	2 21	2 28	15 41	0 22	3 44	1 10	23 20	3 24	16 36	16 13	14 51	16 16	7 2					
S 8	22 23	10 58	5 4	22 10	1 10	16 31	4 12	16 1	0 54	11 46	1 0	2 23	2 28	15 41	0 22	3 44	1 10	23 20	3 24	16 33	16 12	14 50	16 16	7 2					
M 9	22 15	6 18	4 52	22 22	1 1	16 39	4 13	16 12	0 53	11 41	1 0	2 24	2 28	15 40	0 22	3 44	1 10	23 20	3 24	16 31	16 11	14 48	16 16	7 2					
T 10	22 7	1 22	4 21	22 32	0 52	16 48	4 13	16 22	0 53	11 37	1 0	2 25	2 28	15 40	0 22	3 45	1 10	23 21	3 24	16 29	16 10	14 46	16 16	7 2					
W 11	21 59	3s29	3 35	22 42	0 44	16 57	4 13	16 33	0 52	11 32	1 0	2 27	2 27	15 40	0 22	3 45	1 10	23 21	3 25	16 28	16 9	14 45	16 17	7 2					
T 12	21 49	8 1	2 38	22 52	0 35	17 6	4 12	16 44	0 52	11 28	1 0	2 28	2 27	15 40	0 22	3 45	1 10	23 21	3 25	16 27	16 8	14 43	16 17	7 2					
F 13	21 40	12 0	1 35	23 0	0 27	17 15	4 12	16 54	0 51	11 23	1 0	2 29	2 27	15 40	0 22	3 45	1 10	23 22	3 25	16 27	16 7	14 42	16 17	7 1					
S 14	21 30	15 19	0 28	23 7	0 18	17 24	4 11	17 4	0 51	11 19	1 0	2 31	2 27	15 40	0 22	3 46	1 10	23 22	3 25	16 28	16 6	14 40	16 17	7 1					
S 15	21 19	17 50	0n39	23 14	0 10	17 33	4 10	17 14	0 51	11 14	1 0	2 32	2 26	15 40	0 22	3 46	1 10	23 23	3 25	16 27	16 5	14 38	16 18	7 1					
M 16	21 9	19 28	1 42	23 19	0 2	17 42	4 9	17 25	0 50	11 9	1 0	2 34	2 26	15 39	0 22	3 46	1 10	23 23	3 25	16 27	16 4	14 37	16 18	7 1					
T 17	20 57	20 10	2 40	23 23	0s 6	17 51	4 8	17 34	0 50	11 5	1 0	2 35	2 26	15 39	0 22	3 47	1 10	23 23	3 25	16 26	16 3	14 35	16 18	7 1					
W 18	20 46	19 57	3 30	23 26	0 13	18 0	4 6	17 44	0 49	11 0	1 0	2 37	2 26	15 39	0 22	3 47	1 11	23 24	3 25	16 23	16 2	14 33	16 19	7 1					
T 19	20 34	18 50	4 10	23 28	0 21	18 9	4 5	17 54	0 49	10 55	1 0	2 39	2 25	15 39	0 21	3 47	1 11	23 24	3 25	16 20	16 1	14 32	16 19	7 1					
F 20	20 21	16 54	4 39	23 29	0 28	18 18	4 3	18 4	0 48	10 50	1 0	2 40	2 25	15 39	0 21	3 48	1 11	23 24	3 25	16 17	16 1	14 30	16 19	7 0					
S 21	20 9	14 17	4 56	23 29	0 35	18 27	4 1	18 13	0 48	10 45	0 59	2 42	2 25	15 39	0 21	3 48	1 11	23 25	3 25	16 12	16 0	14 28	16 20	7 0					
S 22	19 56	11 4	5 0	23 27	0 42	18 35	3 59	18 22	0 47	10 40	0 59	2 44	2 25	15 39	0 21	3 48	1 11	23 25	3 25	16 8	15 59	14 27	16 20	7 0					
M 23	19 42	7 25	4 51	23 25	0 49	18 44	3 57	18 31	0 47	10 35	0 59	2 46	2 24	15 39	0 21	3 49	1 11	23 26	3 25	16 4	15 58	14 25	16 20	7 0					
T 24	19 28	3 28	4 29	23 20	0 55	18 52	3 55	18 40	0 46	10 31	0 59	2 47	2 24	15 39	0 21	3 49	1 11	23 26	3 26	16 0	15 57	14 23	16 21	7 0					
W 25	19 14	0n39	3 55	23 15	1 2	19 0	3 52	18 49	0 46	10 26	0 59	2 49	2 24	15 39	0 21	3 50	1 11	23 26	3 26	15 58	15 56	14 22	16 21	6 59					
T 26	18 59	4 47	3 10	23 8	1 8	19 8	3 50	18 58	0 45	10 21	0 59	2 51	2 24	15 39	0 21	3 50	1 11	23 27	3 26	15 56	15 55	14 20	16 21	6 59					
F 27	18 44	8 48	2 15	23 0	1 13	19 15	3 47	19 7	0 44	10 16	0 59	2 53	2 23	15 40	0 21	3 51	1 11	23 27	3 26	15 55	15 54	14 18	16 22	6 59					
S 28	18 29	12 31	1 12	22 51	1 19	19 22	3 44	19 15	0 44	10 11	0 59	2 55	2 23	15 40	0 21	3 51	1 11	23 27	3 26	15 54	15 53	14 16	16 22	6 59					
S 29	18 13	15 44	0 4	22 40	1 24	19 29	3 41	19 24	0 43	10 5	0 59	2 57	2 23	15 40	0 21	3 51	1 11	23 28	3 26	15 54	15 52	14 15	16 23	6 58					
M 30	17 57	15 18	1s 6	22 28	1 29	19 36	3 38	19 32	0 43	10 0	0 59	2 59	2 23	15 40	0 21	3 52	1 11	23 28	3 26	15 54	15 51	14 13	16 23	6 58					
T 31	17s41	19n44	2s15	22s15	1s34	19s42	3n35	19s40	0n42	9s55	0s59	3n 1	2s23	15n40	0s21	3n52	1n11	23n28	3n26	15s54	15s50	14s11	16n23	6s58					

ASTRODIENST EPHEMERIS for the year 1939

geocentric

FEBRUARY 1939

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	8 41 13	11 ¹¹ 35'54	24 ¹¹ 17	28 ³ 49	24 ¹⁷ 25	1 ¹⁷ 35	7 ¹¹ 4	13 ¹⁷ 15	13 ¹⁸ 52	22 ¹⁸ 58	0 ¹⁸ 8	13 ¹⁸ 26	13 ¹⁸ 15	4 ¹⁸ 39	5 ¹⁸ 3	W 1
T 2	8 45 9	12 ¹² 14'47	9 ¹² 4	0 ¹² 24	25 ² 26	2 ¹¹	7 ¹⁷	13 ²⁰	13 ⁵³	22 ¹⁷ 57	0 ¹² 7	13 ¹⁸ 19	13 ¹¹	4 ⁴ 46	5 ¹² 0	T 2
F 3	8 49 6	13 ¹³ 15'38	24 ¹²	2 ¹² 0	26 ² 28	2 ⁴⁸	7 ³¹	13 ²⁵	13 ⁵⁴	22 ⁵⁶	0 ¹² 6	13 ¹⁸ 9	13 ⁸	4 ⁵ 52	4 ⁵⁷	F 3
S 4	8 53 2	14 ¹⁴ 16'29	9 ¹² 32	3 ¹² 37	27 ³⁰	3 ²⁴	7 ⁴⁵	13 ³⁰	13 ⁵⁴	22 ⁵⁵	0 ¹² 5	12 ⁵⁸	13 ⁵	4 ⁵ 59	4 ⁵⁴	S 4
S 5	8 56 59	15 ¹⁵ 17'18	24 ¹³ 53	5 ¹⁴	28 ³³	4 ⁰	7 ⁵⁹	13 ³⁵	13 ⁵⁵	22 ⁵³	0 ¹² 3	12 ⁴⁶	13 ²	5 ⁶	4 ⁵²	S 5
M 6	9 0 56	16 ¹⁶ 18'06	10 ¹³ 3	6 ⁵²	29 ³⁵	4 ³⁷	8 ¹³	13 ⁴⁰	13 ⁵⁶	22 ⁵²	0 ¹² 2	12 ³⁵	12 ⁵⁹	5 ¹²	4 ⁴⁹	M 6
T 7	9 4 52	17 ¹⁷ 18'52	24 ¹⁴ 52	8 ³¹	0 ³³ 39	5 ¹³	8 ²⁷	13 ⁴⁶	13 ⁵⁶	22 ⁵¹	0 ¹² 1	12 ²⁷	12 ⁵⁶	5 ¹⁹	4 ⁴⁶	T 7
W 8	9 8 49	18 ¹⁸ 19'38	9 ¹³	10 ¹¹	1 ⁴²	5 ⁴⁹	8 ⁴¹	13 ⁵¹	13 ⁵⁷	22 ⁵⁰	29 ⁵⁹	12 ²¹	12 ⁵²	5 ²⁶	4 ⁴⁴	W 8
T 9	9 12 45	19 ¹⁹ 20'23	23 ⁴	11 ⁵²	2 ⁴⁶	6 ²⁶	8 ⁵⁵	13 ⁵⁶	13 ⁵⁸	22 ⁴⁸	29 ⁵⁸	12 ¹⁸	12 ⁴⁹	5 ³³	4 ⁴¹	T 9
F 10	9 16 42	20 ²⁰ 21'07	6 ¹² 25	13 ³³	3 ⁵⁰	7 ²	9 ⁹	14 ²	13 ⁵⁹	22 ⁴⁷	29 ⁵⁷	12 ¹⁷	12 ⁴⁶	5 ³⁹	4 ³⁹	F 10
S 11	9 20 38	21 ²¹ 21'49	19 ¹⁹	15 ¹⁵	4 ⁵⁴	7 ³⁸	9 ²³	14 ⁷	14 ⁰	22 ⁴⁶	29 ⁵⁶	12 ¹⁷	12 ⁴³	5 ⁴⁶	4 ³⁷	S 11
S 12	9 24 35	22 ²² 23'31	1 ¹⁷ 52	16 ⁵⁸	5 ⁵⁹	8 ¹⁴	9 ³⁸	14 ¹³	14 ¹	22 ⁴⁴	29 ⁵⁴	12 ¹⁷	12 ⁴⁰	5 ⁵³	4 ³⁴	S 12
M13	9 28 31	23 ²³ 23'12	14 ⁷	18 ⁴²	7 ⁴	8 ⁵⁰	9 ⁵²	14 ¹⁸	14 ²	22 ⁴³	29 ⁵³	12 ¹⁵	12 ³⁷	5 ⁵⁹	4 ³²	M13
T 14	9 32 28	24 ²⁴ 23'51	26 ¹⁰	20 ²⁷	8 ⁹	9 ²⁶	10 ⁶	14 ²⁴	14 ³	22 ⁴¹	29 ⁵²	12 ¹¹	12 ³³	6 ⁶	4 ³⁰	T 14
W15	9 36 25	25 ²⁵ 24'30	8 ¹³ 6	22 ¹²	9 ¹⁴	10 ²	10 ²⁰	14 ³⁰	14 ⁵	22 ⁴⁰	29 ⁵¹	12 ⁴	12 ³⁰	6 ¹³	4 ²⁸	W15
T 16	9 40 21	26 ²⁶ 25'07	19 ⁵⁷	23 ⁵⁸	10 ²⁰	10 ³⁸	10 ³⁵	14 ³⁶	14 ⁶	22 ³⁸	29 ⁵⁰	11 ⁵⁴	12 ²⁷	6 ²⁰	4 ²⁶	T 16
F 17	9 44 18	27 ²⁷ 25'43	1 ¹⁸ 48	25 ⁴⁶	11 ²⁵	11 ¹⁴	10 ⁴⁹	14 ⁴²	14 ⁷	22 ³⁷	29 ⁴⁸	11 ⁴²	12 ²⁴	6 ²⁶	4 ²⁴	F 17
S 18	9 48 14	28 ²⁸ 26'17	13 ⁴⁰	27 ³⁴	12 ³¹	11 ⁵⁰	11 ³	14 ⁴⁸	14 ⁸	22 ³⁶	29 ⁴⁷	11 ²⁸	12 ²¹	6 ³³	4 ²³	S 18
S 19	9 52 11	29 ²⁹ 26'50	25 ³⁵	29 ²³	13 ³⁸	12 ²⁶	11 ¹⁸	14 ⁵⁴	14 ¹⁰	22 ³⁴	29 ⁴⁶	11 ¹⁴	12 ¹⁷	6 ⁴⁰	4 ²¹	S 19
M20	9 56 7	0 ¹⁰ 27'21	7 ¹³ 31	1 ¹³ 13	14 ⁴⁴	13 ¹	11 ³²	15 ⁰	14 ¹¹	22 ³³	29 ⁴⁵	11 ¹	12 ¹⁴	6 ⁴⁷	4 ¹⁹	M20
T 21	10 0 4	1 ¹² 27'50	19 ³⁹	3 ³	15 ⁵⁰	13 ³⁷	11 ⁴⁶	15 ⁶	14 ¹³	22 ³¹	29 ⁴⁴	10 ⁴⁹	12 ¹¹	6 ⁵³	4 ¹⁸	T 21
W22	10 4 0	2 ²² 28'18	1 ¹⁷ 51	4 ⁵⁵	16 ⁵⁷	14 ¹³	12 ¹	15 ¹²	14 ¹⁴	22 ³⁰	29 ⁴³	10 ⁴⁰	12 ⁸	7 ⁰	4 ¹⁶	W22
T 23	10 7 57	3 ³ 28'44	14 ¹⁰	6 ⁴⁷	18 ⁴	14 ⁴⁸	12 ¹⁵	15 ¹⁸	14 ¹⁶	22 ²⁸	29 ⁴²	10 ³⁴	12 ⁵	7 ⁷	4 ¹⁵	T 23
F 24	10 11 53	4 ⁴ 29'09	26 ⁴¹	8 ³⁹	19 ¹¹	15 ²⁴	12 ³⁰	15 ²⁵	14 ¹⁷	22 ²⁶	29 ⁴¹	10 ³¹	12 ²	7 ¹³	4 ¹⁴	F 24
S 25	10 15 50	5 ⁵ 29'31	9 ¹⁸ 24	10 ³³	20 ¹⁸	15 ⁵⁹	12 ⁴⁴	15 ³¹	14 ¹⁹	22 ²⁵	29 ⁴⁰	10 ³¹	11 ⁵⁸	7 ²⁰	4 ¹³	S 25
S 26	10 19 47	6 ⁶ 29'52	22 ²⁴	12 ²⁶	21 ²⁶	16 ³⁵	12 ⁵⁹	15 ³⁸	14 ²¹	22 ²³	29 ³⁸	10 ³⁰	11 ⁵⁵	7 ²⁷	4 ¹²	S 26
M27	10 23 43	7 ⁷ 30'10	5 ¹² 43	14 ²⁰	22 ³³	17 ¹⁰	13 ¹³	15 ⁴⁴	14 ²³	22 ²²	29 ³⁷	10 ³¹	11 ⁵²	7 ³⁴	4 ¹¹	M27
T 28	10 27 40	8 ⁸ 30'27	19 ¹² 24	16 ¹⁵	23 ³⁴ 1	17 ¹⁴ 5	13 ¹³ 28	15 ¹⁷ 51	14 ¹⁸ 24	22 ¹⁷ 20	29 ³⁶	10 ³¹ 30	11 ⁴⁹	7 ¹⁴ 40	4 ¹⁰ 10	T 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	17s25	20n 2	3s17	22s 0	1s38	19s48	3n32	19s48	0n42	9s50	0s59	3n 3	2s22	15n40	0s21	3n53	1n11	23n29	3n26	15s52	15s49	14s10	16n24	6s57			
T 2	17 8	19 0	4 9	21 44	1 42	19 54	3 28	19 56	0 41	9 45	0 59	3 5	2 22	15 40	0 21	3 53	1 11	23 29	3 26	15 50	15 48	14 8	16 24	6 57			
F 3	16 51	16 37	4 44	21 27	1 46	19 59	3 25	20 4	0 40	9 40	0 59	3 7	2 22	15 41	0 21	3 54	1 11	23 29	3 26	15 47	15 47	14 6	16 25	6 57			
S 4	16 33	13 3	4 59	21 8	1 50	20 4	3 21	20 11	0 40	9 35	0 59	3 9	2 22	15 41	0 21	3 54	1 11	23 30	3 26	15 44	15 46	14 5	16 25	6 56			
S 5	16 15	8 37	4 53	20 47	1 53	20 8	3 18	20 19	0 39	9 29	0 59	3 11	2 22	15 41	0 21	3 55	1 11	23 30	3 26	15 40	15 45	14 3	16 26	6 56			
M 6	15 57	3 41	4 27	20 26	1 56	20 12	3 14	20 26	0 38	9 24	0 59	3 13	2 21	15 41	0 21	3 55	1 11	23 30	3 26	15 37	15 44	14 1	16 26	6 56			
T 7	15 39	1s22	3 42	20 2	1 58	20 16	3 10	20 33	0 38	9 19	0 59	3 16	2 21	15 42	0 21	3 56	1 11	23 31	3 26	15 35	15 43	14 0	16 26	6 55			
W 8	15 20	6 11	2 45	19 38	2 0	20 19	3 7	20 40	0 37	9 14	0 59	3 18	2 21	15 42	0 21	3 56	1 11	23 31	3 26	15 33	15 42	13 58	16 27	6 55			
T 9	15 2	10 31	1 40	19 12	2 2	20 22	3 3	20 47	0 36	9 8	0 59	3 20	2 21	15 42	0 21	3 57	1 11	23 31	3 26	15 32	15 41	13 56	16 27	6 55			
F 10	14 42	14 9	0 31	18 44	2 4	20 25	2 59	20 54	0 36	9 3	0 59	3 22	2 21	15 42	0 21	3 58	1 11	23 32	3 26	15 32	15 40	13 54	16 28	6 54			
S 11	14 23	16 58	0n37	18 15	2 5	20 27	2 55	21 1	0 35	8 58	0 59	3 25	2 20	15 43	0 21	3 58	1 11	23 32	3 26	15 32	15 39	13 53	16 28	6 54			
S 12	14 3	18 53	1 42	17 45	2 5	20 28	2 51	21 7	0 34	8 52	0 59	3 27	2 20	15 43	0 21	3 59	1 11	23 32	3 26	15 31	15 39	13 51	16 29	6 53			
M13	13 44	19 51	2 40	17 13	2 6	20 29	2 47	21 14	0 34	8 47	0 59	3 29	2 20	15 43	0 21	3 59	1 11	23 33	3 27	15 31	15 38	13 49	16 29	6 53			
T 14	13 24	19 54	3 30	16 40	2 5	20 30	2 42	21 20	0 33	8 42	0 59	3 32	2 20	15 44	0 21	4 0	1 12	23 33	3 27	15 30	15 37	13 48	16 30	6 53			
W15	13 3	19 2	4 10	16 5	2 5	20 30	2 38	21 26	0 32	8 36	0 59	3 34	2 20	15 44	0 21	4 0	1 12	23 33	3 27	15 28	15 36	13 46	16 30	6 52			
T 16	12 43	17 21	4 39	15 29	2 4	20 29	2 34	21 32	0 31	8 31	0 59	3 37	2 20	15 45	0 21	4 1	1 12	23 33	3 27	15 25	15 35	13 44	16 31	6 52			
F 17	12 22	14 57	4 56	14 51	2 2	20 28	2 30	21 38	0 31	8 25	0 59	3 39	2 19	15 45	0 21	4 2	1 12	23 34	3 27	15 21	15 34	13 42	16 31	6 51			
S 18	12 1	11 56	5 0	14 12	2 0	20 27	2 25	21 43	0 30	8 20	0 59	3 42	2 19	15 45	0 21	4 2	1 12	23 34	3 27	15 17	15 33	13 41	16 32	6 51			
S 19	11 40	8 25	4 51	13 32	1 57	20 25	2 21	21 49	0 29	8 14	0 59	3 44	2 19	15 46	0 21	4 3	1 12	23 34	3 27	15 12	15 32	13 39	16 32	6 51			
M20	11 19	4 34	4 29	12 50	1 54	20 22	2 17	21 54	0 28	8 9	0 59	3 46	2 19	15 46	0 21	4 3	1 12	23 34	3 27	15 8	15 31	13 37	16 33	6 50			
T 21	10 57	0 29	3 55	12 7	1 51	20 19	2 12	21 59	0 27	8 3	0 59	3 49	2 19	15 47	0 21	4 4	1 12	23 35	3 27	15 4	15 30	13 36	16 33	6 50			
W22	10 36	3n38	3 10	11 22	1 47	20 15	2 8	22 4	0 27	7 58	0 59	3 52	2 19	15 47	0 21	4 5	1 12	23 35	3 27	15 2	15 29	13 34	16 34	6 49			
T 23	10 14	7 40	2 15	10 36	1 42	20 11	2 3	22 9	0 26	7 53	0 59	3 54	2 18	15 48	0 21	4 5	1 12	23 35	3 27	15 0	15 28	13 32	16 34	6 49			
F 24	9 52	11 25	1 13	9 49	1 37	20 7	1 59	22 14	0 25	7 47	0 59	3 57	2 18	15 48	0 21	4 6	1 12	23 36	3 27	14 59	15 27	13 30	16 35	6 48			
S 25	9 30	14 43	0 6	9 1	1 31	20 1	1 54	22 19	0 24	7 41	0 59	3 59	2 18	15 49	0 21	4 7	1 12	23 36	3 27	14 59	15 26	13 29	16 35	6 48			
S 26	9 8	17 21	1s 3	8 12	1 24	19 56	1 50	22 23	0 23	7 36	0 59	4 2	2 18	15 49	0 21	4 7	1 12	23 36	3 27	14 59	15 25	13 27	16 36	6 47			
M27	8 45	19 8	2 10	7 21	1 17	19 49	1 45	22 28	0 22	7 30	0 59	4 4	2 18	15 50	0 20	4 8	1 12	23 36	3 27	14 59	15 24	13 25	16 36	6 47			
T 28	8s23	19n50	3s12	6s30	1s 9	19s43	1n41	22s32	0n21	7s25	0s59	4n 7	2s18	15n50	0s20	4n 9	1n12	23n36	3n27	14s59	15s23	13s23	16n37	6s46			

ASTRODIENST EPHEMERIS for the year 1939
geocentric

MARCH 1939

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	10 31 36	9 ^h 30'41	3 ^h 30	18 ^h 9	24 ^h 349	18 ^h 20	13 ^h 42	15 ^h 57	14 ^h 26	22 ^h R18	29 ^h R35	10 ^h R28	11 ^h M46	7 ^h 47	4 ^h R 9	W 1
T 2	10 35 33	10°30'54	17°59	20° 3	25°57	18°56	13°57	16° 4	14°28	22 ^h M17	29 ^h 34	10 ^h M23	11°42	7°54	4 ^h 8	T 2
F 3	10 39 29	11°31'04	2 ^h 48	21°56	27° 5	19°31	14°11	16°10	14°30	22°15	29°34	10°16	11°39	8° 0	4° 7	F 3
S 4	10 43 26	12°31'13	17°51	23°49	28°13	20° 6	14°26	16°17	14°32	22°14	29°33	10° 8	11°36	8° 7	4° 7	S 4
S 5	10 47 22	13°31'19	2 ^h M59	25°41	29°22	20°41	14°40	16°24	14°34	22°12	29°32	9°59	11°33	8°14	4° 6	S 5
M 6	10 51 19	14°31'23	18° 1	27°31	0 ^h 30	21°15	14°55	16°31	14°36	22°10	29°31	9°50	11°30	8°21	4° 6	M 6
T 7	10 55 16	15°31'26	2 ^h 48	29°19	1°39	21°50	15° 9	16°38	14°38	22° 9	29°30	9°43	11°27	8°27	4° 6	T 7
W 8	10 59 12	16°31'26	17°12	1°Y 5	2°47	22°25	15°24	16°44	14°40	22° 7	29°29	9°39	11°23	8°34	4° 5	W 8
T 9	11 3 9	17°31'25	1 ^h M 9	2°48	3°56	23° 0	15°38	16°51	14°43	22° 5	29°28	9°37	11°20	8°41	4° 5	T 9
F 10	11 7 5	18°31'23	14°38	4°28	5° 5	23°34	15°53	16°58	14°45	22° 4	29°27	9°D37	11°17	8°48	4°D 5	F 10
S 11	11 11 2	19°31'19	27°40	6° 4	6°14	24° 9	16° 7	17° 5	14°47	22° 2	29°27	9°38	11°14	8°54	4° 5	S 11
S 12	11 14 58	20°31'13	10 ^h 18	7°35	7°24	24°43	16°22	17°12	14°49	22° 0	29°26	9°39	11°11	9° 1	4° 5	S 12
M13	11 18 55	21°31'05	22°38	9° 2	8°33	25°18	16°36	17°19	14°52	21°59	29°25	9°R39	11° 8	9° 8	4° 6	M13
T 14	11 22 51	22°30'56	4 ^h 34	10°23	9°42	25°52	16°51	17°27	14°54	21°57	29°24	9°38	11° 4	9°14	4° 6	T 14
W15	11 26 48	23°30'45	16°39	11°38	10°52	26°26	17° 5	17°34	14°57	21°55	29°24	9°35	11° 1	9°21	4° 6	W15
T 16	11 30 45	24°30'32	28°31	12°47	12° 2	27° 0	17°20	17°41	14°59	21°54	29°23	9°30	10°58	9°28	4° 7	T 16
F 17	11 34 41	25°30'18	10 ^h 22	13°50	13°11	27°34	17°34	17°48	15° 2	21°52	29°22	9°24	10°55	9°35	4° 7	F 17
S 18	11 38 38	26°30'02	22°15	14°45	14°21	28° 8	17°48	17°55	15° 4	21°50	29°22	9°16	10°52	9°41	4° 8	S 18
S 19	11 42 34	27°29'43	4 ^h 15	15°33	15°31	28°42	18° 3	18° 3	15° 7	21°49	29°21	9° 8	10°48	9°48	4° 9	S 19
M20	11 46 31	28°29'23	16°22	16°13	16°41	29°16	18°17	18°10	15° 9	21°47	29°20	9° 0	10°45	9°55	4°10	M20
T 21	11 50 27	29°29'01	28°37	16°45	17°51	29°50	18°32	18°17	15°12	21°45	29°20	8°53	10°42	10° 1	4°11	T 21
W22	11 54 24	0°Y28'37	11°Y 3	17°10	19° 1	0°23	18°46	18°25	15°15	21°44	29°19	8°48	10°39	10° 8	4°12	W22
T 23	11 58 20	1°28'11	23°39	17°26	20°11	0°57	19° 0	18°32	15°17	21°42	29°19	8°45	10°36	10°15	4°13	T 23
F 24	12 2 17	2°27'43	6 ^h 26	17°34	21°21	1°30	19°15	18°39	15°20	21°40	29°18	8°D44	10°33	10°22	4°14	F 24
S 25	12 6 13	3°27'12	19°25	17°R35	22°32	2° 3	19°29	18°47	15°23	21°39	29°18	8°45	10°29	10°28	4°15	S 25
S 26	12 10 10	4°26'40	2 ^h 11	17°27	23°42	2°36	19°43	18°54	15°26	21°37	29°17	8°46	10°26	10°35	4°16	S 26
M27	12 14 7	5°26'05	16° 6	17°13	24°52	3° 9	19°58	19° 2	15°28	21°36	29°17	8°48	10°23	10°42	4°18	M27
T 28	12 18 3	6°25'28	29°49	16°51	26° 3	3°42	20°12	19° 9	15°31	21°34	29°16	8°49	10°20	10°49	4°19	T 28
W29	12 22 0	7°24'48	13 ^h 48	16°24	27°13	4°15	20°26	19°16	15°34	21°32	29°16	8°R49	10°17	10°55	4°21	W29
T 30	12 25 56	8°24'06	28° 3	15°50	28°24	4°48	20°40	19°24	15°37	21°31	29°16	8°47	10°13	11° 2	4°23	T 30
F 31	12 29 53	9°Y23'22	12 ^h 32	15°Y12	29°35	5°20	20°H54	19°Y31	15°H40	21°M29	29°15	8°M45	10°M10	11°39	4°25	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
W 1	8s 0	19n20	4s 4	5s37	1s 1	19s35	1n36	22s36	0n20	7s19	0s59	4n10	2s18	15n51	0s20	4n 9
T 2	7 38	17 35	4 42	4 45	0 52	19 27	1 32	22 40	0 19	7 14	0 59	4 12	2 17	15 52	0 20	4 10
F 3	7 15	14 38	5 2	3 51	0 43	19 19	1 27	22 44	0 18	7 8	0 59	4 15	2 17	15 52	0 20	4 11
S 4	6 52	10 42	5 2	2 57	0 32	19 10	1 23	22 47	0 17	7 3	0 59	4 18	2 17	15 53	0 20	4 11
S 5	6 29	6 3	4 41	2 3	0 22	19 1	1 18	22 51	0 16	6 57	0 59	4 20	2 17	15 53	0 20	4 12
M 6	6 6	1 3	4 0	1 9	0 11	18 51	1 14	22 54	0 15	6 51	0 59	4 23	2 17	15 54	0 20	4 13
T 7	5 42	3s56	3 4	0 15	0n 1	18 40	1 10	22 57	0 14	6 46	0 59	4 26	2 17	15 55	0 20	4 13
W 8	5 19	8 34	1 57	0n38	0 13	18 29	1 5	23 0	0 13	6 40	0 59	4 29	2 17	15 55	0 20	4 14
T 9	4 56	12 35	0 45	1 31	0 26	18 17	1 1	23 3	0 12	6 35	1 0	4 31	2 17	15 56	0 20	4 15
F 10	4 32	15 48	0n27	2 22	0 39	18 5	0 56	23 6	0 11	6 29	1 0	4 34	2 16	15 57	0 20	4 15
S 11	4 9	18 5	1 36	3 12	0 52	17 53	0 52	23 9	0 10	6 24	1 0	4 37	2 16	15 57	0 20	4 16
S 12	3 45	19 24	2 38	4 1	1 5	17 40	0 48	23 11	0 9	6 18	1 0	4 40	2 16	15 58	0 20	4 17
M13	3 22	19 44	3 31	4 47	1 19	17 26	0 43	23 14	0 8	6 12	1 0	4 42	2 16	15 59	0 20	4 17
T 14	2 58	19 9	4 13	5 31	1 32	17 12	0 39	23 16	0 7	6 7	1 0	4 45	2 16	15 59	0 20	4 18
W15	2 35	17 42	4 44	6 13	1 45	16 57	0 35	23 18	0 6	6 1	1 0	4 48	2 16	16 0	0 20	4 19
T 16	2 11	15 31	5 3	6 52	1 58	16 42	0 31	23 20	0 4	5 56	1 0	4 51	2 16	16 1	0 20	4 19
F 17	1 47	12 42	5 8	7 27	2 10	16 27	0 26	23 22	0 3	5 50	1 0	4 54	2 16	16 2	0 20	4 20
S 18	1 23	9 21	5 0	8 0	2 22	16 11	0 22	23 24	0 2	5 44	1 0	4 56	2 16	16 2	0 20	4 21
S 19	1 0	5 37	4 39	8 29	2 33	15 54	0 18	23 26	0 1	5 39	1 0	4 59	2 16	16 3	0 20	4 21
M20	0 36	1 36	4 6	8 54	2 44	15 37	0 14	23 27	0s 0	5 33	1 0	5 2	2 16	16 4	0 20	4 22
T 21	0 12	2n31	3 20	9 15	2 53	15 20	0 10	23 28	0 2	5 28	1 0	5 5	2 16	16 5	0 20	4 23
W22	0n11	6 35	2 25	9 32	3 2	15 2	0 6	23 30	0 3	5 22	1 0	5 8	2 15	16 6	0 20	4 23
T 23	0 35	10 26	1 21	9 46	3 9	14 44	0 2	23 31	0 4	5 17	1 0	5 11	2 15	16 6	0 20	4 24
F 24	0 59	13 52	0 13	9 54	3 15	14 25	0s 2	23 32	0 6	5 11	1 0	5 13	2 15	16 7	0 20	4 24
S 25	1 22	16 40	0s58	9 59	3 20	14 6	0 6	23 33	0 7	5 5	1 0	5 16	2 15	16 8	0 20	4 25
S 26	1 46	18 37	2 7	9 59	3 23	13 46	0 9	23 34	0 8	5 0	1 1	5 19	2 15	16 9	0 20	4 26
M27	2 10	19 34	3 10	9 55	3 25	13 26	0 13	23 34	0 10	4 54	1 1	5 22	2 15	16 10	0 20	4 26
T 28	2 33	19 23	4 3	9 47	3 25	13 6	0 17	23 35	0 11	4 49	1 1	5 25	2 15	16 11	0 20	4 27
W29	2 57	18 2	4 44	9 35	3 23	12 45	0 20	23 35	0 13	4 43	1 1	5 28	2 15	16 11	0 20	4 28
T 30	3 20	15 32	5 7	9 18	3 20	12 24	0 24	23 36	0 14	4 38	1 1	5 31	2 15	16 12	0 20	4 28
F 31	3n43	12n 3	5s12	8n59	3n15	12s 3	0s27	23s36	0s16	4s32	1s 1	5n34	2s15	16n13	0s20	4n29

Julian Day Number = 2429323.5, Delta T = 24.20 sec
Ecliptic obliquity = 23°26'43, Nutation = 0°00'13, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 23°53'26, Lahiri = 23°00'26

ASTRODIENST EPHEMERIS for the year 1939
geocentric

APRIL 1939

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	12 33 49	10°22'35	27♌ 9	14°R30	0♋45	5♌53	21♋ 9	19°V39	15♌43	21°R28	29°R15	8°R41	10♌ 7	11♌15	4♌26	S 1
S 2	12 37 46	11°21'46	11♍51	13°V45	1°56	6°25	21°23	19°47	15°46	21♍26	29♌15	8♌37	10° 4	11°22	4°28	S 2
M 3	12 41 42	12°20'55	26°29	12°57	3° 7	6°57	21°37	19°54	15°49	21°25	29°14	8°33	10° 1	11°29	4°30	M 3
T 4	12 45 39	13°20'02	10♌57	12° 9	4°18	7°29	21°51	20° 2	15°52	21°23	29°14	8°30	9°58	11°36	4°33	T 4
W 5	12 49 36	14°19'06	25° 8	11°20	5°29	8° 1	22° 5	20° 9	15°55	21°21	29°14	8°29	9°54	11°42	4°35	W 5
T 6	12 53 32	15°18'09	8♌59	10°32	6°40	8°33	22°19	20°17	15°58	21°20	29°14	8°D28	9°51	11°49	4°37	T 6
F 7	12 57 29	16°17'10	22°27	9°45	7°51	9° 4	22°32	20°24	16° 1	21°19	29°14	8°29	9°48	11°56	4°39	F 7
S 8	13 1 25	17°16'08	5♌31	9° 1	9° 2	9°36	22°46	20°32	16° 4	21°17	29°14	8°30	9°45	12° 2	4°42	S 8
S 9	13 5 22	18°15'06	18°14	8°20	10°13	10° 7	23° 0	20°39	16° 7	21°16	29°13	8°31	9°42	12° 9	4°44	S 9
M10	13 9 18	19°14'01	0♌38	7°43	11°24	10°39	23°14	20°47	16°11	21°14	29°13	8°33	9°39	12°16	4°47	M10
T 11	13 13 15	20°12'55	12°47	7°10	12°36	11°10	23°28	20°55	16°14	21°13	29°13	8°34	9°35	12°23	4°50	T 11
W12	13 17 11	21°11'46	24°46	6°42	13°47	11°40	23°41	21° 2	16°17	21°11	29°13	8°R34	9°32	12°29	4°52	W12
T 13	13 21 8	22°10'36	6♌39	6°19	14°58	12°11	23°55	21°10	16°20	21°10	29°D13	8°33	9°29	12°36	4°55	T 13
F 14	13 25 5	23° 9'25	18°32	6° 0	16°10	12°42	24° 9	21°17	16°23	21° 9	29°13	8°32	9°26	12°43	4°58	F 14
S 15	13 29 1	24° 8'11	0♋28	5°47	17°21	13°12	24°22	21°25	16°27	21° 7	29°13	8°30	9°23	12°50	5° 1	S 15
S 16	13 32 58	25° 6'56	12°31	5°40	18°32	13°42	24°36	21°33	16°30	21° 6	29°13	8°28	9°19	12°56	5° 4	S 16
M17	13 36 54	26° 5'39	24°44	5°D37	19°44	14°12	24°49	21°40	16°33	21° 5	29°14	8°26	9°16	13° 3	5° 7	M17
T 18	13 40 51	27° 4'20	7°V10	5°40	20°55	14°42	25° 3	21°48	16°37	21° 3	29°14	8°24	9°13	13°10	5°11	T 18
W19	13 44 47	28° 2'59	19°50	5°48	22° 7	15°12	25°16	21°55	16°40	21° 2	29°14	8°23	9°10	13°16	5°14	W19
T 20	13 48 44	29° 0'12	2♌44	6° 0	23°18	15°41	25°29	22° 3	16°43	21° 1	29°14	8°D23	9° 7	13°23	5°17	T 20
F 21	13 52 40	0♌ 0'37	15°54	6°18	24°30	16°10	25°42	22°10	16°47	21° 0	29°14	8°23	9° 4	13°30	5°21	F 21
S 22	13 56 37	0°58'46	29°17	6°40	25°42	16°39	25°56	22°18	16°50	20°58	29°14	8°23	9° 0	13°37	5°24	S 22
S 23	14 0 34	1°57'17	12♌53	7° 7	26°53	17° 8	26° 9	22°25	16°53	20°57	29°15	8°24	8°57	13°43	5°28	S 23
M24	14 4 30	2°55'46	26°41	7°37	28° 5	17°37	26°22	22°33	16°57	20°56	29°15	8°25	8°54	13°50	5°31	M24
T 25	14 8 27	3°54'14	10♌39	8°12	29°17	18° 5	26°35	22°41	17° 0	20°55	29°15	8°25	8°51	13°57	5°35	T 25
W26	14 12 23	4°52'39	24°44	8°51	0°V28	18°33	26°48	22°48	17° 4	20°54	29°16	8°25	8°48	14° 4	5°39	W26
T 27	14 16 20	5°51'02	8♌56	9°34	1°40	19° 1	27° 1	22°55	17° 7	20°53	29°16	8°R25	8°45	14°10	5°43	T 27
F 28	14 20 16	6°49'23	23°12	10°20	2°52	19°29	27°13	23° 3	17°10	20°52	29°16	8°25	8°41	14°17	5°47	F 28
S 29	14 24 13	7°47'41	7♍28	11° 9	4° 4	19°56	27°26	23°10	17°14	20°51	29°17	8°25	8°38	14°24	5°51	S 29
S 30	14 28 9	8♌45'58	21♍43	12°V 2	5°V16	20♌23	27♋39	23°V18	17♌17	20♍50	29♌17	8°D25	8♌35	14♌30	5♌55	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	decl	lat
S 1	4n 7	7n49	4s57	8n36	3n 8	11s41	0s31	23s36	0s17	4s27	1 s 1	5n36	2s15	16n14	0s20	4n29	1n12	23n41	3n27	14s24	14s51	12s27	16n52	6s30									
S 2	4 30	3 5	4 22	8 11	2 59	11 19	0 34	23 36	0 19	4 21	1 1	5 39	2 15	16 15	0 20	4 30	1 12	23 41	3 27	14 23	14 50	12 25	16 53	6 30									
M 3	4 53	1s49	3 30	7 43	2 49	10 57	0 37	23 36	0 20	4 16	1 1	5 42	2 15	16 16	0 20	4 31	1 12	23 41	3 27	14 21	14 49	12 24	16 53	6 29									
T 4	5 16	6 34	2 25	7 13	2 38	10 34	0 41	23 36	0 22	4 11	1 1	5 45	2 15	16 17	0 20	4 31	1 12	23 41	3 27	14 21	14 48	12 22	16 54	6 29									
W 5	5 39	10 51	1 13	6 42	2 25	10 11	0 44	23 36	0 23	4 5	1 1	5 48	2 15	16 18	0 20	4 32	1 12	23 41	3 27	14 20	14 47	12 20	16 54	6 28									
T 6	6 2	14 27	0n 3	6 11	2 11	9 47	0 47	23 35	0 25	4 0	1 2	5 51	2 15	16 18	0 20	4 32	1 12	23 41	3 27	14 20	14 46	12 18	16 55	6 28									
F 7	6 24	17 9	1 16	5 39	1 56	9 24	0 50	23 35	0 27	3 54	1 2	5 54	2 15	16 19	0 20	4 33	1 12	23 41	3 27	14 20	14 45	12 16	16 55	6 27									
S 8	6 47	18 52	2 24	5 7	1 41	9 0	0 53	23 34	0 28	3 49	1 2	5 56	2 15	16 20	0 20	4 34	1 12	23 41	3 27	14 20	14 44	12 15	16 55	6 27									
S 9	7 9	19 34	3 22	4 37	1 25	8 36	0 55	23 34	0 30	3 44	1 2	5 59	2 15	16 21	0 20	4 34	1 12	23 41	3 27	14 21	14 43	12 13	16 56	6 26									
M10	7 32	19 17	4 9	4 7	1 9	8 11	0 58	23 33	0 32	3 38	1 2	6 2	2 15	16 22	0 20	4 35	1 12	23 41	3 27	14 21	14 42	12 11	16 56	6 26									
T 11	7 54	18 7	4 44	3 39	0 52	7 46	1 1	23 32	0 34	3 33	1 2	6 5	2 15	16 23	0 20	4 35	1 12	23 41	3 27	14 22	14 41	12 9	16 57	6 25									
W12	8 16	16 9	5 7	3 13	0 36	7 22	1 4	23 31	0 36	3 27	1 2	6 8	2 15	16 24	0 20	4 36	1 12	23 41	3 27	14 22	14 40	12 7	16 57	6 25									
T 13	8 38	13 31	5 15	2 48	0 20	6 56	1 6	23 30	0 37	3 22	1 2	6 11	2 15	16 25	0 20	4 36	1 12	23 41	3 26	14 21	14 39	12 6	16 57	6 24									
F 14	9 0	10 21	5 11	2 27	0 4	6 31	1 9	23 29	0 39	3 17	1 2	6 13	2 15	16 26	0 20	4 37	1 12	23 41	3 26	14 21	14 38	12 4	16 58	6 24									
S 15	9 22	6 44	4 53	2 7	0s12	6 5	1 11	23 28	0 41	3 12	1 3	6 16	2 15	16 27	0 20	4 37	1 12	23 41	3 26	14 20	14 37	12 2	16 58	6 23									
S 16	9 43	2 50	4 22	1 50	0 27	5 40	1 13	23 27	0 43	3 6	1 3	6 19	2 15	16 28	0 20	4 38	1 12	23 41	3 26	14 20	14 36	12 0	16 58	6 23									
M17	10 5	1n15	3 39	1 36	0 41	5 14	1 16	23 26	0 45	3 1	1 3	6 22	2 15	16 29	0 20	4 38	1 12	23 41	3 26	14 19	14 35	11 58	16 59	6 22									
T 18	10 26	5 22	2 44	1 24	0 55	4 47	1 18	23 25	0 47	2 56	1 3	6 25	2 15	16 30	0 20	4 39	1 12	23 41	3 26	14 19	14 34	11 57	16 59	6 22									
W19	10 47	9 19	1 41	1 15	1 9	4 21	1 20	23 23	0 49	2 51	1 3	6 27	2 15	16 31	0 20	4 39	1 12	23 41	3 26	14 18	14 33	11 55	16 59	6 21									
T 20	11 8	12 55	0 31	1 9	1 21	3 55	1 22	23 22	0 51	2 46	1 3	6 30	2 15	16 32	0 19	4 40	1 12	23 41	3 26	14 18	14 32	11 53	17 0	6 21									
F 21	11 29	15 56	0s42	1 5	1 33	3 28	1 24	23 21	0 53	2 40	1 3	6 33	2 15	16 33	0 19	4 40	1 12	23 41	3 26	14 18	14 31	11 51	17 0	6 21									
S 22	11 49	18 10	1 53	1 3	1 44	3 1	1 26	23 19	0 55	2 35	1 3	6 36	2 15	16 34	0 19	4 41	1 12	23 41	3 26	14 18	14 30	11 49	17 0	6 20									
S 23	12 9	19 23	3 0	1 4	1 54	2 34	1 27	23 18	0 57	2 30	1 4	6 39	2 15	16 34	0 19	4 41	1 12	23 41	3 26	14 18	14 29	11 48	17 1	6 20									
M24	12 29	19 27	3 57	1 8	2 4	2 7	1 29	23 16	1 0	2 25	1 4	6 41	2 15	16 35	0 19	4 42	1 12	23 40	3 26	14 19	14 28	11 46	17 1	6 19									
T 25	12 49	18 21	4 41	1 13	2 13	1 40	1 31	23 15	1 2	2 20	1 4	6 44	2 15	16 36	0 19	4 42	1 12	23 40	3 26	14 19	14 27	11 44	17 1	6 19									
W26	13 9	16 8	5 8	1 21	2 21	1 13	1 32	23 13	1 4	2 15	1 4	6 47	2 15	16 37	0 19	4 43	1 12	23 40	3 26	14 19	14 26	11 42	17 1	6 18									
T 27	13 28	12 56	5 17	1 31	2 28	0 46	1 34	23 11	1 6	2 10	1 4	6 49	2 15	16 38	0 19	4 43	1 12	23 40	3 26	14 19	14 25	11 40	17 2	6 18									
F 28	13 48	8 57	5 7	1 43	2 34	0 19	1 35	23 10	1 9	2 5	1 4	6 52	2 15	16 39	0 19	4 43	1 12	23 40	3 26	14 19	14 24	11 39	17 2	6 18									
S 29	14 7	4 28	4 37	1 57	2 40	0n 9	1 36	23 8	1 11	2 0	1 4	6 55	2 15	16 40	0 19	4 44	1 12	23 40	3 26	14 19	14 23	11 37	17 2	6 17									
S 30	14n26	0s15	3s51	2n13	2s45	0n36	1s37	23s 6	1s13	1s55	1 s 5	6n58	2s15	16n41	0s19	4n44	1n12	23n40	3n26	14s19	14s22	11s35	17n 2	6s17									

ASTRODIENST EPHEMERIS for the year 1939

geocentric

MAY 1939

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	14 32 6	9♂44'12	5♂52	12♂58	6♂28	20♂50	27♂51	23♂25	17♂21	20♂R49	29♂18	8♂25	8♂32	14♂37	5♂59	M 1
T 2	14 36 3	10°42'25	19°52	13°57	7°39	21°17	28° 4	23°33	17°24	20♂48	29°18	8°25	8°29	14°44	6° 3	T 2
W 3	14 39 59	11°40'35	3♂39	14°59	8°51	21°43	28°16	23°40	17°28	20°47	29°19	8°R25	8°25	14°51	6° 7	W 3
T 4	14 43 56	12°38'44	17°12	16° 4	10° 3	22° 9	28°29	23°47	17°31	20°46	29°19	8°25	8°22	14°57	6°11	T 4
F 5	14 47 52	13°36'51	0♂27	17°11	11°15	22°35	28°41	23°55	17°35	20°45	29°20	8°25	8°19	15° 4	6°16	F 5
S 6	14 51 49	14°34'57	13°24	18°21	12°27	23° 1	28°53	24° 2	17°38	20°44	29°20	8°25	8°16	15°11	6°20	S 6
S 7	14 55 45	15°33'01	26° 4	19°34	13°39	23°26	29° 5	24° 9	17°42	20°43	29°21	8°24	8°13	15°17	6°24	S 7
M 8	14 59 42	16°31'04	8♂28	20°49	14°51	23°51	29°17	24°16	17°45	20°43	29°21	8°23	8°10	15°24	6°29	M 8
T 9	15 3 38	17°29'05	20°38	22° 6	16° 3	24°16	29°29	24°24	17°49	20°42	29°22	8°22	8° 6	15°31	6°33	T 9
W10	15 7 35	18°27'05	2♂39	23°26	17°15	24°40	29°41	24°31	17°52	20°41	29°23	8°21	8° 3	15°38	6°38	W10
T 11	15 11 32	19°25'04	14°34	24°48	18°27	25° 4	29°53	24°38	17°55	20°40	29°24	8°D20	8° 0	15°44	6°43	T 11
F 12	15 15 28	20°23'01	26°27	26°13	19°40	25°28	0♂ 5	24°45	17°59	20°40	29°24	8°20	7°57	15°51	6°47	F 12
S 13	15 19 25	21°20'56	8♂24	27°39	20°52	25°51	0°16	24°52	18° 2	20°39	29°25	8°21	7°54	15°58	6°52	S 13
S 14	15 23 21	22°18'51	20°28	29° 8	22° 4	26°14	0°28	24°59	18° 6	20°38	29°26	8°22	7°50	16° 5	6°57	S 14
M15	15 27 18	23°16'44	2♂44	0♂39	23°16	26°36	0°39	25° 6	18° 9	20°38	29°27	8°23	7°47	16°11	7° 2	M15
T 16	15 31 14	24°14'36	15°17	2°13	24°28	26°59	0°51	25°13	18°13	20°37	29°27	8°25	7°44	16°18	7° 7	T 16
W17	15 35 11	25°12'27	28° 7	3°48	25°40	27°20	1° 2	25°20	18°16	20°37	29°28	8°25	7°41	16°25	7°12	W17
T 18	15 39 7	26°10'16	11♂17	5°25	26°53	27°42	1°13	25°27	18°20	20°36	29°29	8°R26	7°38	16°31	7°17	T 18
F 19	15 43 4	27° 8'04	24°48	7° 5	28° 5	28° 3	1°24	25°34	18°23	20°36	29°30	8°25	7°35	16°38	7°22	F 19
S 20	15 47 0	28° 5'51	8♂36	8°47	29°17	28°23	1°35	25°41	18°27	20°35	29°31	8°23	7°31	16°45	7°27	S 20
S 21	15 50 57	29° 3'36	22°40	10°31	0♂29	28°44	1°46	25°48	18°30	20°35	29°32	8°21	7°28	16°52	7°32	S 21
M22	15 54 54	0♂ 1'20	6♂55	12°17	1°42	29° 3	1°57	25°54	18°33	20°35	29°33	8°18	7°25	16°58	7°37	M22
T 23	15 58 50	0°59'03	21°17	14° 5	2°54	29°23	2° 8	26° 1	18°37	20°34	29°34	8°15	7°22	17° 5	7°43	T 23
W24	16 2 47	1°56'43	5♂40	15°56	4° 6	29°41	2°18	26° 8	18°40	20°34	29°35	8°13	7°19	17°12	7°48	W24
T 25	16 6 43	2°54'23	20° 0	17°48	5°19	29°59	2°29	26°14	18°44	20°34	29°36	8°11	7°16	17°18	7°53	T 25
F 26	16 10 40	3°52'00	4♂14	19°43	6°31	0♂18	2°39	26°21	18°47	20°33	29°37	8°D11	7°12	17°25	7°59	F 26
S 27	16 14 36	4°49'36	18°20	21°39	7°44	0°35	2°50	26°27	18°50	20°33	29°38	8°11	7° 9	17°32	8° 4	S 27
S 28	16 18 33	5°47'11	2♂15	23°38	8°56	0°52	3° 0	26°34	18°54	20°33	29°39	8°12	7° 6	17°39	8° 9	S 28
M29	16 22 30	6°44'44	16° 0	25°39	10° 8	1° 8	3°10	26°40	18°57	20°33	29°40	8°14	7° 3	17°45	8°15	M29
T 30	16 26 26	7°42'16	29°34	27°41	11°21	1°24	3°20	26°47	19° 1	20°33	29°41	8°15	7° 0	17°52	8°20	T 30
W31	16 30 23	8♂39'46	12♂55	29♂46	12♂33	1♂40	3♂29	26♂53	19♂ 4	20♂33	29♂42	8°R15	6♂56	17♂59	8♂26	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	14n44	4s57	2s51	2n31	2s50	1n 3	1s38	23s 5	1s16	1s51	1s 5	7n 0	2s15	16n42	0s19	4n44
T 2	15 2	9 20	1 41	2 50	2 53	1 31	1 39	23 3	1 18	1 46	1 5	7 3	2 15	16 43	0 19	4 45
W 3	15 20	13 9	0 26	3 11	2 56	1 58	1 40	23 1	1 21	1 41	1 5	7 5	2 15	16 44	0 19	4 45
T 4	15 38	16 12	0n48	3 34	2 59	2 26	1 41	23 0	1 23	1 36	1 5	7 8	2 15	16 45	0 19	4 45
F 5	15 56	18 18	1 59	3 58	3 0	2 53	1 42	22 58	1 26	1 31	1 5	7 11	2 16	16 46	0 19	4 46
S 6	16 13	19 24	3 2	4 24	3 1	3 21	1 43	22 56	1 28	1 27	1 5	7 13	2 16	16 47	0 19	4 46
S 7	16 30	19 29	3 54	4 51	3 2	3 48	1 43	22 54	1 31	1 22	1 6	7 16	2 16	16 48	0 19	4 46
M 8	16 47	18 36	4 35	5 19	3 2	4 15	1 44	22 53	1 34	1 17	1 6	7 18	2 16	16 49	0 19	4 47
T 9	17 3	16 53	5 2	5 49	3 1	4 43	1 44	22 51	1 37	1 13	1 6	7 21	2 16	16 50	0 19	4 47
W10	17 19	14 27	5 15	6 20	2 59	5 10	1 45	22 50	1 39	1 8	1 6	7 24	2 16	16 51	0 19	4 47
T 11	17 35	11 27	5 15	6 52	2 57	5 37	1 45	22 48	1 42	1 4	1 6	7 26	2 16	16 52	0 19	4 48
F 12	17 51	7 59	5 1	7 25	2 54	6 4	1 45	22 47	1 45	0 59	1 6	7 29	2 16	16 53	0 19	4 48
S 13	18 6	4 11	4 34	7 59	2 51	6 31	1 45	22 45	1 48	0 55	1 7	7 31	2 16	16 54	0 19	4 48
S 14	18 21	0 11	3 55	8 34	2 47	6 58	1 45	22 44	1 51	0 50	1 7	7 34	2 16	16 55	0 19	4 48
M15	18 36	3n55	3 5	9 9	2 43	7 25	1 45	22 42	1 54	0 46	1 7	7 36	2 16	16 56	0 19	4 48
T 16	18 50	7 56	2 4	9 46	2 38	7 51	1 45	22 41	1 57	0 41	1 7	7 38	2 17	16 57	0 19	4 49
W17	19 4	11 41	0 57	10 24	2 33	8 18	1 45	22 40	2 0	0 37	1 7	7 41	2 17	16 58	0 19	4 49
T 18	19 18	14 58	0s16	11 2	2 27	8 44	1 45	22 38	2 3	0 33	1 8	7 43	2 17	16 59	0 19	4 49
F 19	19 31	17 32	1 29	11 40	2 20	9 10	1 44	22 37	2 7	0 29	1 8	7 46	2 17	17 0	0 19	4 49
S 20	19 44	19 8	2 39	12 20	2 13	9 36	1 44	22 36	2 10	0 24	1 8	7 48	2 17	17 1	0 19	4 49
S 21	19 57	19 35	3 40	12 59	2 6	10 2	1 43	22 35	2 13	0 20	1 8	7 50	2 17	17 2	0 19	4 49
M22	20 10	18 48	4 28	13 39	1 58	10 28	1 43	22 35	2 16	0 16	1 8	7 53	2 17	17 3	0 19	4 49
T 23	20 22	16 49	5 1	14 20	1 49	10 53	1 42	22 34	2 20	0 12	1 9	7 55	2 17	17 4	0 19	4 50
W24	20 33	13 47	5 14	15 0	1 41	11 18	1 41	22 33	2 23	0 8	1 9	7 57	2 17	17 5	0 19	4 50
T 25	20 45	9 57	5 7	15 41	1 32	11 43	1 41	22 33	2 27	0 4	1 9	8 0	2 18	17 6	0 19	4 50
F 26	20 56	5 34	4 42	16 21	1 22	12 7	1 40	22 32	2 30	0 0	1 9	8 2	2 18	17 6	0 19	4 50
S 27	21 6	0 56	4 0	17 1	1 12	12 32	1 39	22 32	2 34	0n 4	1 9	8 4	2 18	17 7	0 19	4 50
S 28	21 17	3s43	3 5	17 41	1 2	12 56	1 38	22 32	2 37	0 8	1 10	8 6	2 18	17 8	0 19	4 50
M29	21 26	8 8	1 59	18 20	0 52	13 20	1 37	22 32	2 41	0 11	1 10	8 8	2 18	17 9	0 19	4 50
T 30	21 36	12 4	0 47	18 59	0 41	13 43	1 36	22 32	2 45	0 15	1 10	8 11	2 18	17 10	0 19	4 50
W31	21n45	15s19	0n26	19n36	0s31	14n 6	1s35	22s32	2s49	0n19	1s10	8n13	2s18	17n11	0s19	4n50

Julian Day Number = 2429384.5, Delta T = 24.24 sec

Ecliptic obliquity = 23°26'43, Nutation = 0°00'10, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°53'34, Lahiri = 23°00'35

ASTRODIENST EPHEMERIS for the year 1939

geocentric

JUNE 1939

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 34 19	9II37'16	26III 4	1II52	13II46	1≈55	3V39	26V59	19II 7	20°R33	29≈43	8°R14	6III53	18≈ 6	8≈32	T 1
F 2	16 38 16	10°34'44	9≈ 0	3°59	14°58	2° 9	3°49	27° 6	19°10	20°D33	29°44	8III11	6°50	18°12	8°37	F 2
S 3	16 42 12	11°32'11	21°44	6° 8	16°11	2°23	3°58	27°12	19°14	20°II33	29°46	8° 7	6°47	18°19	8°43	S 3
S 4	16 46 9	12°29'37	4≈14	8°18	17°23	2°36	4° 8	27°18	19°17	20°33	29°47	8° 1	6°44	18°26	8°49	S 4
M 5	16 50 5	13°27'03	16°32	10°29	18°36	2°49	4°17	27°24	19°20	20°33	29°48	7°55	6°41	18°32	8°54	M 5
T 6	16 54 2	14°24'28	28°40	12°40	19°48	3° 1	4°26	27°30	19°24	20°33	29°49	7°49	6°37	18°39	9° 0	T 6
W 7	16 57 59	15°21'51	10≈39	14°52	21° 1	3°12	4°35	27°36	19°27	20°33	29°51	7°44	6°34	18°46	9° 6	W 7
T 8	17 1 55	16°19'15	22°33	17° 4	22°13	3°23	4°44	27°42	19°30	20°33	29°52	7°40	6°31	18°53	9°12	T 8
F 9	17 5 52	17°16'37	4≈25	19°16	23°26	3°33	4°52	27°48	19°33	20°33	29°53	7°37	6°28	18°59	9°17	F 9
S 10	17 9 48	18°13'59	16°20	21°28	24°38	3°42	5° 1	27°53	19°36	20°34	29°54	7°D36	6°25	19° 6	9°23	S 10
S 11	17 13 45	19°11'20	28°24	23°39	25°51	3°51	5° 9	27°59	19°39	20°34	29°56	7°37	6°22	19°13	9°29	S 11
M12	17 17 41	20° 8'41	10V39	25°49	27° 4	4° 0	5°18	28° 5	19°43	20°34	29°57	7°38	6°18	19°19	9°35	M12
T 13	17 21 38	21° 6'02	23°13	27°58	28°16	4° 7	5°26	28°10	19°46	20°35	29°58	7°39	6°15	19°26	9°41	T 13
W14	17 25 34	22° 3'22	6≈ 7	0≈ 5	29°29	4°14	5°34	28°16	19°49	20°35	29°59	7°R40	6°12	19°33	9°47	W14
T 15	17 29 31	23° 0'41	19°26	2°11	0II42	4°20	5°42	28°21	19°52	20°35	0≈ 1	7°39	6° 9	19°40	9°53	T 15
F 16	17 33 28	23°58'01	3II10	4°15	1°55	4°25	5°50	28°27	19°55	20°36	0° 2	7°37	6° 6	19°46	9°59	F 16
S 17	17 37 24	24°55'19	17°18	6°18	3° 7	4°30	5°57	28°32	19°58	20°36	0° 4	7°32	6° 2	19°53	10° 5	S 17
S 18	17 41 21	25°52'38	1≈46	8°18	4°20	4°34	6° 5	28°37	20° 1	20°37	0° 5	7°26	5°59	20° 0	10°11	S 18
M19	17 45 17	26°49'55	16°27	10°17	5°33	4°37	6°12	28°42	20° 4	20°37	0° 7	7°19	5°56	20° 6	10°17	M19
T 20	17 49 14	27°47'12	1≈15	12°13	6°46	4°39	6°19	28°48	20° 7	20°38	0° 8	7°11	5°53	20°13	10°23	T 20
W21	17 53 10	28°44'29	16° 2	14° 7	7°59	4°41	6°26	28°53	20°10	20°39	0°10	7° 5	5°50	20°20	10°29	W21
T 22	17 57 7	29°41'44	0≈39	15°59	9°11	4°42	6°33	28°58	20°12	20°39	0°11	7° 0	5°47	20°27	10°35	T 22
F 23	18 1 3	0≈38'59	15° 2	17°49	10°24	4°R42	6°40	29° 2	20°15	20°40	0°13	6°57	5°43	20°33	10°41	F 23
S 24	18 5 0	1°36'13	29° 7	19°37	11°37	4°42	6°46	29° 7	20°18	20°40	0°14	6°D55	5°40	20°40	10°47	S 24
S 25	18 8 57	2°33'27	12≈55	21°22	12°50	4°41	6°53	29°12	20°21	20°41	0°16	6°56	5°37	20°47	10°54	S 25
M26	18 12 53	3°30'39	26°26	23° 5	14° 3	4°38	6°59	29°17	20°24	20°42	0°17	6°57	5°34	20°54	11° 0	M26
T 27	18 16 50	4°27'52	9III41	24°46	15°16	4°36	7° 5	29°21	20°26	20°43	0°19	6°R57	5°31	21° 0	11° 6	T 27
W28	18 20 46	5°25'04	22°42	26°24	16°29	4°32	7°11	29°26	20°29	20°44	0°20	6°56	5°28	21° 7	11°12	W28
T 29	18 24 43	6°22'15	5≈30	28° 0	17°42	4°28	7°17	29°30	20°32	20°44	0°22	6°52	5°24	21°14	11°18	T 29
F 30	18 28 39	7≈19'26	18≈ 7	29≈34	18II55	4≈23	7V23	29V35	20≈34	20≈45	0≈23	6III46	5III21	21≈20	11≈24	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	decl lat	decl lat	decl lat
T 1	21n54	17s43	1n36	20n13	0s20	14n29	1s33	22s32	2s52	0n22	1s10	8n15	2s19	17n12	0s19	4n50
F 2	22 2	19 10	2 40	20 48	0 9	14 52	1 32	22 33	2 56	0 26	1 11	8 17	2 19	17 13	0 19	4 50
S 3	22 10	19 37	3 35	21 22	0n 1	15 14	1 31	22 33	3 0	0 30	1 11	8 19	2 19	17 14	0 19	4 50
S 4	22 18	19 4	4 19	21 54	0 12	15 36	1 29	22 34	3 4	0 33	1 11	8 21	2 19	17 15	0 19	4 50
M 5	22 25	17 38	4 49	22 24	0 22	15 57	1 28	22 35	3 8	0 37	1 11	8 23	2 19	17 16	0 19	4 50
T 6	22 32	15 26	5 6	22 52	0 33	16 18	1 26	22 36	3 12	0 40	1 12	8 25	2 19	17 16	0 19	4 50
W 7	22 38	12 36	5 10	23 17	0 42	16 39	1 25	22 38	3 16	0 43	1 12	8 27	2 20	17 17	0 19	4 50
T 8	22 45	9 16	5 0	23 41	0 52	16 59	1 23	22 39	3 20	0 47	1 12	8 29	2 20	17 18	0 19	4 50
F 9	22 50	5 35	4 37	24 1	1 1	17 19	1 21	22 41	3 24	0 50	1 12	8 31	2 20	17 19	0 19	4 49
S 10	22 55	1 40	4 3	24 19	1 9	17 39	1 20	22 42	3 29	0 53	1 13	8 33	2 20	17 20	0 19	4 49
S 11	23 0	2n22	3 17	24 35	1 17	17 58	1 18	22 44	3 33	0 56	1 13	8 35	2 20	17 21	0 19	4 49
M12	23 5	6 23	2 21	24 47	1 25	18 16	1 16	22 47	3 37	0 59	1 13	8 36	2 20	17 22	0 19	4 49
T 13	23 9	10 13	1 18	24 57	1 31	18 35	1 14	22 49	3 42	1 2	1 13	8 38	2 21	17 22	0 19	4 49
W14	23 12	13 42	0 8	25 4	1 37	18 52	1 12	22 52	3 46	1 5	1 13	8 40	2 21	17 23	0 19	4 49
T 15	23 16	16 35	1s 3	25 8	1 42	19 9	1 10	22 54	3 50	1 8	1 14	8 42	2 21	17 24	0 19	4 49
F 16	23 18	18 37	2 13	25 9	1 47	19 26	1 8	22 57	3 55	1 11	1 14	8 44	2 21	17 25	0 19	4 48
S 17	23 21	19 34	3 17	25 8	1 51	19 42	1 6	23 1	3 59	1 14	1 14	8 45	2 21	17 26	0 19	4 48
S 18	23 24	19 16	4 10	25 5	1 54	19 58	1 4	23 4	4 4	1 16	1 14	8 47	2 22	17 26	0 19	4 48
M19	23 24	17 41	4 47	24 58	1 56	20 13	1 2	23 7	4 8	1 19	1 15	8 49	2 22	17 27	0 19	4 48
T 20	23 26	14 55	5 5	24 50	1 57	20 28	1 0	23 11	4 13	1 22	1 15	8 50	2 22	17 28	0 19	4 47
W21	23 26	11 13	5 3	24 39	1 58	20 42	0 58	23 15	4 17	1 24	1 15	8 52	2 22	17 29	0 19	4 47
T 22	23 27	6 52	4 41	24 27	1 58	20 55	0 55	23 19	4 22	1 27	1 16	8 53	2 22	17 30	0 19	4 47
F 23	23 27	2 11	4 2	24 12	1 58	21 8	0 53	23 24	4 26	1 29	1 16	8 55	2 23	17 30	0 19	4 47
S 24	23 26	2s32	3 8	23 56	1 56	21 21	0 51	23 28	4 31	1 32	1 16	8 56	2 23	17 31	0 19	4 46
S 25	23 25	7 2	2 5	23 38	1 54	21 32	0 49	23 33	4 35	1 34	1 16	8 58	2 23	17 32	0 19	4 46
M26	23 24	11 4	0 56	23 18	1 52	21 44	0 46	23 38	4 40	1 36	1 17	8 59	2 23	17 33	0 19	4 46
T 27	23 22	14 29	0n15	22 57	1 48	21 54	0 44	23 43	4 44	1 38	1 17	9 1	2 23	17 33	0 19	4 45
W28	23 20	17 6	1 23	22 35	1 44	22 4	0 41	23 48	4 49	1 40	1 17	9 2	2 24	17 34	0 19	4 45
T 29	23 17	18 49	2 26	22 11	1 40	22 14	0 39	23 53	4 53	1 42	1 17	9 3	2 24	17 35	0 19	4 45
F 30	23n15	19s34	3n21	21n47	1n34	22n22	0s37	23s59	4s58	1n44	1s18	9n 5	2s24	17n35	0s19	4n44

Julian Day Number = 2429415.5, Delta T = 24.26 sec
 Ecliptic obliquity = 23°26'42, Nutation = 0°00'10, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°53'39, Lahiri = 23°00'39

ASTRODIENST EPHEMERIS for the year 1939

geocentric

JULY 1939

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 32 36	8°16'37	0°34	1°6	20°11	4°R17	7°V28	29°V39	20°B37	20°M46	0°Q25	6°R38	5°M18	21°A27	11°E31	S 1
S 2	18 36 32	9°13'48	12°52	2°35	21°21	4°A11	7°33	29°43	20°40	20°47	0°26	6°M28	5°15	21°34	11°37	S 2
M 3	18 40 29	10°10'59	25° 1	4° 2	22°34	4° 4	7°38	29°47	20°42	20°48	0°28	6°16	5°12	21°41	11°43	M 3
T 4	18 44 26	11° 8'09	7°A 3	5°27	23°47	3°56	7°43	29°51	20°45	20°49	0°30	6° 5	5° 8	21°47	11°49	T 4
W 5	18 48 22	12° 5'20	18°59	6°49	25° 0	3°47	7°48	29°55	20°47	20°50	0°31	5°54	5° 5	21°54	11°55	W 5
T 6	18 52 19	13° 2'31	0°H51	8° 8	26°13	3°38	7°53	29°59	20°49	20°51	0°33	5°45	5° 2	22° 1	12° 2	T 6
F 7	18 56 15	13°59'42	12°42	9°26	27°26	3°28	7°57	0°B 3	20°52	20°52	0°34	5°39	4°59	22° 7	12° 8	F 7
S 8	19 0 12	14°56'53	24°36	10°40	28°39	3°17	8° 1	0° 7	20°54	20°53	0°36	5°34	4°56	22°14	12°14	S 8
S 9	19 4 8	15°54'05	6°V37	11°52	29°53	3° 6	8° 5	0°10	20°57	20°54	0°38	5°32	4°53	22°21	12°20	S 9
M10	19 8 5	16°51'17	18°50	13° 2	1°B 6	2°54	8° 9	0°14	20°59	20°56	0°39	5°D32	4°49	22°28	12°26	M10
T 11	19 12 1	17°48'30	1°B21	14° 8	2°19	2°42	8°13	0°17	21° 1	20°57	0°41	5°R32	4°46	22°34	12°33	T 11
W12	19 15 58	18°45'43	14°14	15°12	3°32	2°29	8°17	0°20	21° 3	20°58	0°43	5°32	4°43	22°41	12°39	W12
T 13	19 19 55	19°42'56	27°32	16°13	4°46	2°16	8°20	0°24	21° 6	20°59	0°44	5°30	4°40	22°48	12°45	T 13
F 14	19 23 51	20°40'10	11°H20	17°11	5°59	2° 2	8°23	0°27	21° 8	21° 1	0°46	5°27	4°37	22°54	12°51	F 14
S 15	19 27 48	21°37'25	25°36	18° 6	7°12	1°47	8°26	0°30	21°10	21° 2	0°48	5°20	4°34	23° 1	12°57	S 15
S 16	19 31 44	22°34'40	10°B17	18°58	8°26	1°32	8°29	0°33	21°12	21° 3	0°49	5°11	4°30	23° 8	13° 4	S 16
M17	19 35 41	23°31'56	25°16	19°46	9°39	1°17	8°31	0°36	21°14	21° 5	0°51	5° 1	4°27	23°15	13°10	M17
T 18	19 39 37	24°29'12	10°Q25	20°31	10°53	1° 2	8°34	0°39	21°16	21° 6	0°53	4°50	4°24	23°21	13°16	T 18
W19	19 43 34	25°26'28	25°32	21°12	12° 6	0°46	8°36	0°41	21°18	21° 7	0°54	4°41	4°21	23°28	13°22	W19
T 20	19 47 30	26°23'44	10°M29	21°49	13°19	0°30	8°38	0°44	21°20	21° 9	0°56	4°33	4°18	23°35	13°28	T 20
F 21	19 51 27	27°21'01	25° 6	22°23	14°33	0°13	8°40	0°46	21°22	21°10	0°58	4°28	4°14	23°41	13°34	F 21
S 22	19 55 24	28°18'17	9°B21	22°52	15°46	29°B57	8°41	0°49	21°23	21°12	0°59	4°25	4°11	23°48	13°40	S 22
S 23	19 59 20	29°15'35	23°11	23°17	17° 0	29°40	8°43	0°51	21°25	21°13	1° 1	4°24	4° 8	23°55	13°46	S 23
M24	20 3 17	0°Q12'52	6°M39	23°38	18°13	29°24	8°44	0°53	21°27	21°15	1° 3	4°24	4° 5	24° 2	13°53	M24
T 25	20 7 13	1°10'10	19°45	23°54	19°27	29° 7	8°45	0°55	21°29	21°16	1° 4	4°24	4° 2	24° 8	13°59	T 25
W26	20 11 10	2° 7'28	2°A34	24° 5	20°41	28°51	8°46	0°57	21°30	21°18	1° 6	4°22	3°59	24°15	14° 5	W26
T 27	20 15 6	3° 4'47	15° 8	24°12	21°54	28°34	8°47	0°59	21°32	21°19	1° 8	4°17	3°55	24°22	14°11	T 27
F 28	20 19 3	4° 2'06	27°31	24°R13	23° 8	28°18	8°47	1° 1	21°33	21°21	1° 9	4°10	3°52	24°28	14°17	F 28
S 29	20 22 59	4°59'26	9°B45	24° 9	24°22	28° 1	8°47	1° 3	21°35	21°23	1°11	4° 0	3°49	24°35	14°23	S 29
S 30	20 26 56	5°56'46	21°52	24° 1	25°35	27°45	8°R48	1° 4	21°36	21°24	1°13	3°48	3°46	24°42	14°29	S 30
M31	20 30 53	6°Q54'07	3°A52	23°Q47	26°B49	27°B30	8°V47	1°B 6	21°B38	21°M26	1°Q14	3°M34	3°M43	24°A49	14°B35	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	23n11	19s21	4n 6	21n22	1n29	22n31	0s34	24s 5	5s 2	1n46	1s18	9n 6	2s24	17n36	0s19	S 1
S 2	23 7	18 13	4 38	20 55	1 22	22 38	0 32	24 10	5 6	1 48	1 18	9 7	2 24	17 37	0 19	S 2
M 3	23 3	16 16	4 57	20 28	1 15	22 45	0 29	24 16	5 11	1 50	1 19	9 8	2 25	17 37	0 19	M 3
T 4	22 59	13 38	5 3	20 1	1 8	22 51	0 27	24 22	5 15	1 51	1 19	9 10	2 25	17 38	0 19	T 4
W 5	22 54	10 28	4 55	19 32	1 0	22 57	0 24	24 29	5 19	1 53	1 19	9 11	2 25	17 39	0 19	W 5
T 6	22 48	6 54	4 35	19 4	0 51	23 2	0 22	24 35	5 23	1 55	1 19	9 12	2 25	17 39	0 19	T 6
F 7	22 43	3 4	4 2	18 35	0 42	23 6	0 19	24 41	5 27	1 56	1 20	9 13	2 26	17 40	0 19	F 7
S 8	22 36	0n54	3 19	18 6	0 33	23 10	0 17	24 48	5 31	1 58	1 20	9 14	2 26	17 41	0 19	S 8
S 9	22 30	4 53	2 27	17 36	0 23	23 12	0 14	24 54	5 35	1 59	1 20	9 15	2 26	17 41	0 19	S 9
M10	22 23	8 44	1 28	17 7	0 13	23 15	0 12	25 1	5 39	2 0	1 21	9 16	2 26	17 42	0 19	M10
T 11	22 16	12 18	0 22	16 38	0 2	23 16	0 9	25 7	5 43	2 1	1 21	9 17	2 27	17 42	0 19	T 11
W12	22 8	15 23	0s46	16 8	0s 9	23 17	0 7	25 14	5 46	2 2	1 21	9 18	2 27	17 43	0 19	W12
T 13	22 0	17 46	1 54	15 39	0 20	23 17	0 4	25 20	5 50	2 3	1 21	9 19	2 27	17 44	0 19	T 13
F 14	21 51	19 13	2 58	15 11	0 32	23 17	0 2	25 27	5 53	2 4	1 22	9 20	2 27	17 44	0 19	F 14
S 15	21 42	19 30	3 52	14 42	0 44	23 16	0n 1	25 33	5 57	2 5	1 22	9 21	2 28	17 45	0 19	S 15
S 16	21 33	18 30	4 33	14 15	0 57	23 14	0 3	25 40	6 0	2 6	1 22	9 21	2 28	17 45	0 19	S 16
M17	21 24	16 13	4 57	13 48	1 9	23 11	0 6	25 46	6 3	2 7	1 23	9 22	2 28	17 46	0 19	M17
T 18	21 14	12 49	4 59	13 21	1 22	23 8	0 8	25 52	6 6	2 8	1 23	9 23	2 28	17 46	0 19	T 18
W19	21 3	8 35	4 41	12 56	1 35	23 4	0 11	25 59	6 8	2 8	1 23	9 24	2 29	17 47	0 19	W19
T 20	20 53	3 52	4 4	12 31	1 49	23 0	0 13	26 5	6 11	2 9	1 23	9 24	2 29	17 47	0 19	T 20
F 21	20 42	0s59	3 12	12 8	2 2	22 54	0 15	26 11	6 13	2 9	1 24	9 25	2 29	17 48	0 19	F 21
S 22	20 30	5 40	2 8	11 45	2 16	22 49	0 18	26 16	6 15	2 10	1 24	9 26	2 29	17 48	0 19	S 22
S 23	20 19	9 56	0 59	11 24	2 29	22 42	0 20	26 22	6 17	2 10	1 24	9 26	2 30	17 49	0 19	S 23
M24	20 7	13 33	0n12	11 5	2 43	22 35	0 23	26 27	6 19	2 10	1 25	9 27	2 30	17 49	0 19	M24
T 25	19 54	16 23	1 20	10 47	2 56	22 27	0 25	26 33	6 21	2 10	1 25	9 27	2 30	17 49	0 19	T 25
W26	19 41	18 21	2 23	10 31	3 9	22 18	0 27	26 38	6 22	2 10	1 25	9 28	2 30	17 50	0 19	W26
T 27	19 28	19 21	3 17	10 17	3 22	22 9	0 30	26 42	6 24	2 10	1 26	9 28	2 31	17 50	0 19	T 27
F 28	19 15	19 24	4 1	10 4	3 35	21 59	0 32	26 47	6 25	2 10	1 26	9 28	2 31	17 51	0 19	F 28
S 29	19 1	18 32	4 34	9 54	3 47	21 49	0 34	26 51	6 26	2 10	1 26	9 29	2 31	17 51	0 19	S 29
S 30	18 47	16 50	4 53	9 46	3 59	21 37	0 36	26 55	6 26	2 10	1 26	9 29	2 31	17 51	0 19	S 30
M31	18n33	14s26	5n 0	9n40	4s 9	21n26	0n38	26s59	6s27	2n 9	1s27	9n29	2s32	17n52	0s19	M31

Julian Day Number = 2429445.5, Delta T = 24.28 sec
 Ecliptic obliquity = 23°26'42, Nutation = 0°00'11, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 23°53'43, Lahiri = 23°00'43

ASTRODIENST EPHEMERIS for the year 1939

geocentric

AUGUST 1939

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	20 34 49	7♏51'29	15♌48	23♍28	28♎3	27♍14	8♍47	1♏7	21♏39	21♏28	1♏16	3♍20	3♌40	24♎55	14♎40	T 1
W 2	20 38 46	8♏48'52	27♏41	23♌4	29♏16	26♎59	8♏47	1° 9	21°40	21°30	1°18	3♌7	3°36	25° 2	14°46	W 2
T 3	20 42 42	9♏46'15	9♏32	22°36	0♏30	26°44	8°46	1°10	21°42	21°31	1°19	2°57	3°33	25° 9	14°52	T 3
F 4	20 46 39	10♏43'40	21°23	22° 3	1°44	26°30	8°45	1°11	21°43	21°33	1°21	2°48	3°30	25°15	14°58	F 4
S 5	20 50 35	11♏41'06	3♏18	21°26	2°58	26°16	8°44	1°12	21°44	21°35	1°23	2°43	3°27	25°22	15° 4	S 5
S 6	20 54 32	12°38'33	15°19	20°45	4°12	26° 3	8°43	1°13	21°45	21°37	1°24	2°40	3°24	25°29	15°10	S 6
M 7	20 58 28	13°36'01	27°32	20° 1	5°26	25°50	8°41	1°14	21°46	21°38	1°26	2°39	3°20	25°36	15°15	M 7
T 8	21 2 25	14°33'30	10♏1	19°15	6°39	25°37	8°39	1°14	21°47	21°40	1°28	2°39	3°17	25°42	15°21	T 8
W 9	21 6 22	15°31'01	22°50	18°28	7°53	25°26	8°37	1°15	21°48	21°42	1°29	2°38	3°14	25°49	15°27	W 9
T 10	21 10 18	16°28'33	6♏4	17°40	9° 7	25°14	8°35	1°15	21°49	21°44	1°31	2°37	3°11	25°56	15°33	T 10
F 11	21 14 15	17°26'07	19°47	16°52	10°21	25° 4	8°33	1°16	21°50	21°46	1°33	2°34	3° 8	26° 2	15°38	F 11
S 12	21 18 11	18°23'42	3♎59	16° 5	11°35	24°54	8°31	1°16	21°51	21°48	1°34	2°28	3° 5	26° 9	15°44	S 12
S 13	21 22 8	19°21'19	18°39	15°20	12°49	24°45	8°28	1°16	21°52	21°50	1°36	2°20	3° 1	26°16	15°49	S 13
M14	21 26 4	20°18'57	3♏41	14°38	14° 3	24°36	8°25	1°16	21°53	21°52	1°37	2°10	2°58	26°23	15°55	M14
T 15	21 30 1	21°16'36	18°57	14° 0	15°18	24°29	8°22	1°16	21°53	21°54	1°39	2° 0	2°55	26°29	16° 0	T 15
W16	21 33 57	22°14'16	4♏15	13°26	16°32	24°22	8°19	1°16	21°54	21°56	1°41	1°51	2°52	26°36	16° 6	W16
T 17	21 37 54	23°11'58	19°24	12°58	17°46	24°15	8°15	1°16	21°55	21°58	1°42	1°43	2°49	26°43	16°11	T 17
F 18	21 41 51	24° 9'41	4♏15	12°35	19° 0	24°10	8°12	1°15	21°55	22° 0	1°44	1°38	2°45	26°49	16°17	F 18
S 19	21 45 47	25° 7'24	18°42	12°19	20°14	24° 6	8° 8	1°15	21°56	22° 2	1°45	1°36	2°42	26°56	16°22	S 19
S 20	21 49 44	26° 5'09	2♏41	12°11	21°28	24° 2	8° 4	1°14	21°56	22° 4	1°47	1°D35	2°39	27° 3	16°27	S 20
M21	21 53 40	27° 2'55	16°13	12°D 9	22°42	23°59	8° 0	1°14	21°57	22° 6	1°49	1°35	2°36	27°10	16°33	M21
T 22	21 57 37	28° 0'43	29°20	12°15	23°57	23°57	7°55	1°13	21°57	22° 8	1°50	1°R36	2°33	27°16	16°38	T 22
W23	22 1 33	28°58'31	12♏6	12°29	25°11	23°56	7°51	1°12	21°57	22°10	1°52	1°35	2°30	27°23	16°43	W23
T 24	22 5 30	29°56'20	24°35	12°50	26°25	23°D55	7°46	1°11	21°58	22°12	1°53	1°32	2°26	27°30	16°48	T 24
F 25	22 9 26	0♏54'11	6♎51	13°19	27°39	23°56	7°41	1°10	21°58	22°14	1°55	1°27	2°23	27°36	16°53	F 25
S 26	22 13 23	1°52'03	18°56	13°56	28°54	23°57	7°36	1° 9	21°58	22°16	1°56	1°19	2°20	27°43	16°58	S 26
S 27	22 17 20	2°49'57	0♏55	14°41	0♏8	23°59	7°31	1° 7	21°58	22°18	1°58	1°10	2°17	27°50	17° 3	S 27
M28	22 21 16	3°47'51	12°50	15°33	1°22	24° 2	7°26	1° 6	21°58	22°20	1°59	0°59	2°14	27°57	17° 8	M28
T 29	22 25 13	4°45'47	24°43	16°32	2°37	24° 5	7°20	1° 5	21°R58	22°23	2° 1	0°48	2°11	28° 3	17°13	T 29
W30	22 29 9	5°43'45	6♏34	17°38	3°51	24°10	7°15	1° 3	21°58	22°25	2° 2	0°38	2° 7	28°10	17°18	W30
T 31	22 33 6	6♏41'44	18♏27	18♏50	5♏5	24♎15	7°9	1♏1	21♏58	22♏27	2♏3	0♏30	2♏4	28♏17	17♏23	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	18n19	11s26	4n53	9n37	4s19	21n13	0n40	27s 3	6s27	2n 9	1s27	9n29	2s32	17n52	0s19	T 1
W 2	18 4	8 0	4 33	9 36	4 28	21 0	0 43	27 6	6 28	2 9	1 27	9 30	2 32	17 53	0 19	W 2
T 3	17 48	4 16	4 2	9 38	4 36	20 46	0 45	27 9	6 28	2 8	1 28	9 30	2 33	17 53	0 19	T 3
F 4	17 33	0 21	3 20	9 42	4 43	20 32	0 47	27 12	6 27	2 7	1 28	9 30	2 33	17 53	0 19	F 4
S 5	17 17	3n35	2 29	9 49	4 48	20 17	0 49	27 14	6 27	2 7	1 28	9 30	2 33	17 53	0 19	S 5
S 6	17 1	7 26	1 30	9 58	4 52	20 2	0 51	27 16	6 27	2 6	1 28	9 30	2 33	17 54	0 19	S 6
M 7	16 45	11 1	0 27	10 10	4 54	19 46	0 52	27 18	6 26	2 5	1 29	9 30	2 34	17 54	0 19	M 7
T 8	16 28	14 12	0s39	10 24	4 54	19 29	0 54	27 20	6 25	2 4	1 29	9 30	2 34	17 54	0 19	T 8
W 9	16 11	16 48	1 45	10 40	4 52	19 12	0 56	27 21	6 24	2 3	1 29	9 30	2 34	17 55	0 19	W 9
T 10	15 54	18 35	2 47	10 57	4 49	18 55	0 58	27 22	6 23	2 2	1 30	9 30	2 34	17 55	0 19	T 10
F 11	15 37	19 21	3 42	11 17	4 43	18 36	1 0	27 23	6 22	2 1	1 30	9 30	2 35	17 55	0 19	F 11
S 12	15 19	18 57	4 26	11 37	4 36	18 18	1 1	27 23	6 20	2 0	1 30	9 30	2 35	17 55	0 19	S 12
S 13	15 1	17 18	4 54	11 59	4 27	17 58	1 3	27 23	6 19	1 58	1 30	9 30	2 35	17 55	0 19	S 13
M14	14 43	14 26	5 2	12 21	4 17	17 39	1 4	27 23	6 17	1 57	1 31	9 29	2 35	17 56	0 19	M14
T 15	14 25	10 34	4 49	12 43	4 5	17 18	1 6	27 23	6 15	1 56	1 31	9 29	2 36	17 56	0 19	T 15
W16	14 6	5 59	4 16	13 6	3 51	16 57	1 7	27 22	6 13	1 54	1 31	9 29	2 36	17 56	0 19	W16
T 17	13 47	1 4	3 24	13 28	3 37	16 36	1 9	27 21	6 11	1 52	1 31	9 28	2 36	17 56	0 20	T 17
F 18	13 28	3s50	2 20	13 49	3 21	16 15	1 10	27 20	6 9	1 51	1 32	9 28	2 37	17 56	0 20	F 18
S 19	13 9	8 23	1 8	14 9	3 5	15 52	1 11	27 19	6 7	1 49	1 32	9 28	2 37	17 56	0 20	S 19
S 20	12 50	12 19	0n 6	14 28	2 47	15 30	1 13	27 17	6 4	1 47	1 32	9 27	2 37	17 56	0 20	S 20
M21	12 30	15 28	1 17	14 45	2 30	15 7	1 14	27 15	6 2	1 45	1 32	9 27	2 37	17 57	0 20	M21
T 22	12 10	17 42	2 22	15 1	2 12	14 43	1 15	27 13	5 59	1 43	1 33	9 26	2 38	17 57	0 20	T 22
W23	11 50	18 58	3 19	15 14	1 54	14 19	1 16	27 10	5 56	1 41	1 33	9 26	2 38	17 57	0 20	W23
T 24	11 30	19 16	4 4	15 26	1 36	13 55	1 17	27 8	5 54	1 39	1 33	9 25	2 38	17 57	0 20	T 24
F 25	11 9	18 39	4 37	15 34	1 18	13 31	1 18	27 5	5 51	1 37	1 33	9 24	2 38	17 57	0 20	F 25
S 26	10 49	17 12	4 57	15 40	1 1	13 6	1 19	27 2	5 48	1 35	1 34	9 24	2 39	17 57	0 20	S 26
S 27	10 28	15 0	5 4	15 44	0 44	12 40	1 20	26 59	5 45	1 33	1 34	9 23	2 39	17 57	0 20	S 27
M28	10 7	12 12	4 58	15 44	0 28	12 15	1 21	26 55	5 42	1 31	1 34	9 22	2 39	17 57	0 20	M28
T 29	9 46	8 54	4 39	15 41	0 12	11 49	1 21	26 51	5 39	1 28	1 34	9 22	2 39	17 57	0 20	T 29
W30	9 25	5 16	4 7	15 35	0n 2	11 22	1 22	26 48	5 36	1 26	1 35	9 21	2 40	17 57	0 20	W30
T 31	9n 3	1s25	3n25	15n27	0n16	10n56	1n22	26s43	5s33	1n23	1s35	9n20	2s40	17n57	0s20	T 31

Julian Day Number = 2429476.5, Delta T = 24.30 sec

Ecliptic obliquity = 23°26'42", Nutation = 0°00'11", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 23°53'47", Lahiri = 23°00'48"

ASTRODIENST EPHEMERIS for the year 1939

geocentric

SEPTEMBER 1939

00:00 UT

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

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
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ASTRODIENST EPHEMERIS for the year 1939

geocentric

OCTOBER 1939

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 35 19	6♂54°50	3♂53	13♂26	13♂39	2♂44	3°R20	29°R25	21°R31	23♂35	2♂40	29°D18	0♂26	1♂44	19♂21	S 1
M 2	0 39 15	7°53'49	16°24	15° 7	14°54	3°10	3°Y12	29°Y21	21♂30	23°37	2°41	29♂19	0°22	1°51	19°24	M 2
T 3	0 43 12	8°52'50	29° 8	16°47	16° 8	3°36	3° 4	29°17	21°28	23°40	2°41	29°20	0°19	1°58	19°26	T 3
W 4	0 47 8	9°51'54	12♂6	18°26	17°23	4° 2	2°56	29°12	21°26	23°42	2°42	29°22	0°16	2° 5	19°29	W 4
T 5	0 51 5	10°51'00	25°21	20° 5	18°38	4°29	2°49	29° 8	21°25	23°44	2°43	29°23	0°13	2°11	19°31	T 5
F 6	0 55 2	11°50'08	8♂56	21°42	19°53	4°56	2°41	29° 4	21°23	23°46	2°44	29°R24	0°10	2°18	19°33	F 6
S 7	0 58 58	12°49'19	22°50	23°19	21° 8	5°23	2°33	28°59	21°21	23°48	2°44	29°24	0° 7	2°25	19°36	S 7
S 8	1 2 55	13°48'32	7♂3	24°55	22°23	5°51	2°25	28°55	21°19	23°50	2°45	29°23	0° 3	2°31	19°38	S 8
M 9	1 6 51	14°47'47	21°34	26°31	23°37	6°20	2°17	28°50	21°17	23°52	2°46	29°21	0° 0	2°38	19°40	M 9
T 10	1 10 48	15°47'05	6♂19	28° 5	24°52	6°48	2°10	28°46	21°16	23°55	2°47	29°19	29♂57	2°45	19°42	T 10
W11	1 14 44	16°46'25	21°10	29°39	26° 7	7°17	2° 2	28°41	21°14	23°57	2°47	29°18	29°54	2°51	19°44	W11
T 12	1 18 41	17°45'47	6♂1	1♂12	27°22	7°47	1°55	28°36	21°12	23°59	2°48	29°17	29°51	2°58	19°46	T 12
F 13	1 22 37	18°45'11	20°44	2°45	28°37	8°17	1°47	28°32	21°10	24° 1	2°48	29°16	29°48	3° 5	19°47	F 13
S 14	1 26 34	19°44'37	5♂12	4°17	29°52	8°47	1°40	28°27	21° 8	24° 3	2°49	29°D16	29°44	3°12	19°49	S 14
S 15	1 30 31	20°44'05	19°20	5°48	1♂6	9°17	1°33	28°22	21° 6	24° 5	2°49	29°16	29°41	3°18	19°51	S 15
M16	1 34 27	21°43'35	3♂3	7°18	2°21	9°48	1°26	28°17	21° 4	24° 7	2°50	29°17	29°38	3°25	19°52	M16
T 17	1 38 24	22°43'07	16°22	8°48	3°36	10°19	1°19	28°13	21° 2	24° 9	2°50	29°18	29°35	3°32	19°54	T 17
W18	1 42 20	23°42'41	29°17	10°17	4°51	10°50	1°12	28° 8	20°59	24°11	2°51	29°18	29°32	3°38	19°55	W18
T 19	1 46 17	24°42'17	11♂51	11°45	6° 6	11°22	1° 5	28° 3	20°57	24°13	2°51	29°19	29°28	3°45	19°56	T 19
F 20	1 50 13	25°41'54	24° 7	13°13	7°21	11°54	0°59	27°58	20°55	24°15	2°52	29°R19	29°25	3°52	19°57	F 20
S 21	1 54 10	26°41'33	6♂11	14°39	8°36	12°26	0°52	27°54	20°53	24°17	2°52	29°19	29°22	3°58	19°58	S 21
S 22	1 58 6	27°41'14	18° 6	16° 6	9°51	12°59	0°46	27°49	20°51	24°19	2°53	29°19	29°19	4° 5	19°59	S 22
M23	2 2 3	28°40'56	29°57	17°31	11° 5	13°32	0°40	27°44	20°49	24°21	2°53	29°18	29°16	4°12	20° 0	M23
T 24	2 6 0	29°40'40	11♂49	18°55	12°20	14° 5	0°33	27°39	20°46	24°23	2°53	29°D18	29°13	4°19	20° 1	T 24
W25	2 9 56	0♂40'26	23°45	20°19	13°35	14°38	0°28	27°34	20°44	24°25	2°53	29°19	29° 9	4°25	20° 2	W25
T 26	2 13 53	1°40'14	5°Y49	21°42	14°50	15°11	0°22	27°30	20°42	24°26	2°54	29°19	29° 6	4°32	20° 2	T 26
F 27	2 17 49	2°40'03	18° 2	23° 4	16° 5	15°45	0°16	27°25	20°39	24°28	2°54	29°19	29° 3	4°39	20° 3	F 27
S 28	2 21 46	3°39'55	0♂27	24°25	17°20	16°19	0°11	27°20	20°37	24°30	2°54	29°R19	29° 0	4°45	20° 3	S 28
S 29	2 25 42	4°39'48	13° 4	25°45	18°35	16°53	0° 5	27°15	20°35	24°32	2°54	29°19	28°57	4°52	20° 3	S 29
M30	2 29 39	5°39'44	25°56	27° 4	19°50	17°28	0° 0	27°11	20°32	24°34	2°55	29°18	28°53	4°59	20° 4	M30
T 31	2 33 35	6♂39'41	9♂1	28♂22	21♂4	18♂3	29♂55	27°Y6	20♂30	24♂35	2♂55	29♂18	28♂50	5♂5	20♂4	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	2s45	12n25	0s25	4s40	0n42	4s20	1n 9	23s15	3s48	0s10	1s38	8n41	2s45	17n50	0s20	3n36	1n 9	23n 3	3n35	11s14	11s37	6s45	15n31	6s36					
M 2	3 8	15 16	1 33	5 25	0 35	4 50	1 8	23 6	3 45	0 13	1 38	8 40	2 46	17 49	0 20	3 35	1 9	23 3	3 35	11 14	11 36	6 43	15 30	6 37					
T 3	3 31	17 25	2 37	6 9	0 29	5 20	1 6	22 57	3 42	0 16	1 38	8 38	2 46	17 49	0 20	3 35	1 9	23 3	3 35	11 15	11 35	6 41	15 29	6 37					
W 4	3 55	18 42	3 35	6 54	0 22	5 50	1 5	22 47	3 39	0 20	1 38	8 37	2 46	17 48	0 20	3 34	1 9	23 3	3 36	11 15	11 34	6 39	15 28	6 38					
T 5	4 18	19 0	4 22	7 37	0 15	6 20	1 3	22 38	3 35	0 23	1 38	8 35	2 46	17 48	0 20	3 33	1 9	23 3	3 36	11 15	11 33	6 37	15 27	6 38					
F 6	4 41	18 13	4 56	8 20	0 8	6 50	1 1	22 28	3 32	0 26	1 38	8 33	2 46	17 48	0 20	3 32	1 9	23 3	3 36	11 16	11 32	6 35	15 26	6 39					
S 7	5 4	16 21	5 14	9 3	0 1	7 19	1 0	22 18	3 29	0 29	1 38	8 32	2 46	17 47	0 20	3 31	1 9	23 3	3 36	11 16	11 31	6 33	15 25	6 40					
S 8	5 27	13 27	5 13	9 44	0s 6	7 49	0 58	22 8	3 26	0 32	1 38	8 30	2 46	17 47	0 20	3 30	1 9	23 3	3 36	11 15	11 30	6 31	15 24	6 40					
M 9	5 50	9 41	4 53	10 26	0 13	8 18	0 56	21 58	3 23	0 35	1 37	8 28	2 46	17 46	0 20	3 30	1 9	23 3	3 36	11 15	11 29	6 29	15 23	6 41					
T 10	6 13	5 17	4 13	11 6	0 20	8 47	0 54	21 48	3 20	0 38	1 37	8 27	2 46	17 46	0 20	3 29	1 9	23 3	3 36	11 14	11 27	6 27	15 22	6 42					
W11	6 36	0 30	3 16	11 46	0 27	9 16	0 53	21 37	3 17	0 41	1 37	8 25	2 46	17 45	0 20	3 28	1 9	23 3	3 37	11 14	11 26	6 25	15 21	6 42					
T 12	6 58	4s19	2 5	12 25	0 34	9 45	0 51	21 27	3 14	0 44	1 37	8 23	2 46	17 45	0 20	3 27	1 9	23 3	3 37	11 13	11 25	6 23	15 21	6 43					
F 13	7 21	8 50	0 47	13 4	0 41	10 13	0 49	21 16	3 11	0 46	1 37	8 22	2 46	17 44	0 20	3 26	1 9	23 3	3 37	11 13	11 24	6 22	15 20	6 44					
S 14	7 43	12 45	0n33	13 42	0 48	10 42	0 47	21 5	3 8	0 49	1 37	8 20	2 46	17 44	0 20	3 26	1 9	23 3	3 37	11 13	11 23	6 20	15 19	6 44					
S 15	8 6	15 49	1 49	14 19	0 55	11 10	0 45	20 54	3 5	0 52	1 37	8 18	2 47	17 43	0 20	3 25	1 9	23 3	3 37	11 13	11 22	6 18	15 18	6 45					
M16	8 28	17 53	2 57	14 55	1 1	11 38	0 43	20 43	3 2	0 55	1 37	8 16	2 47	17 42	0 20	3 24	1 9	23 3	3 37	11 13	11 21	6 16	15 17	6 46					
T 17	8 50	18 53	3 53	15 31	1 8	12 5	0 41	20 32	2 59	0 57	1 37	8 15	2 47	17 42	0 20	3 23	1 9	23 3	3 38	11 14	11 20	6 14	15 16	6 46					
W18	9 12	18 52	4 35	16 5	1 15	12 32	0 38	20 20	2 56	1 0	1 36	8 13	2 47	17 41	0 20	3 22	1 9	23 3	3 38	11 14	11 18	6 12	15 15	6 47					
T 19	9 34	17 53	5 3	16 39	1 21	12 59	0 36	20 9	2 53	1 2	1 36	8 11	2 47	17 41	0 20	3 22	1 10	23 4	3 38	11 14	11 17	6 10	15 14	6 48					
F 20	9 56	16 6	5 16	17 12	1 28	13 26	0 34	19 57	2 50	1 5	1 36	8 10	2 47	17 40	0 20	3 21	1 10	23 4	3 38	11 14	11 16	6 8	15 14	6 48					
S 21	10 18	13 38	5 15	17 44	1 34	13 52	0 32	19 45	2 47	1 7	1 36	8 8	2 47	17 40	0 20	3 20	1 10	23 4	3 38	11 14	11 15	6 6	15 13	6 49					
S 22	10 39	10 38	5 1	18 16	1 40	14 18	0 30	19 33	2 45	1 10	1 36	8 6	2 47	17 39	0 20	3 19	1 10	23 4	3 38	11 14	11 14	6 4	15 12	6 50					
M23	11 1	7 13	4 33	18 46	1 46	14 44	0 27	19 21	2 42	1 12	1 36	8 5	2 47	17 39	0 20	3 19	1 10	23 4	3 39	11 14	11 13	6 2	15 11	6 50					
T 24	11 22	3 31	3 54	19 15	1 52	15 9	0 25	19 9	2 39	1 14	1 36	8 3	2 47	17 38	0 20	3 18	1 10	23 4	3 39	11 14	11 12	6 0	15 11	6 51					
W25	11 43	0n21	3 5	19 43	1 58	15 34	0 23	18 56	2 36	1 17	1 35	8 1	2 47	17 37	0 20	3 17	1 10	23 4	3 39	11 14	11 11	5 58	15 10	6 52					
T 26	12 3	4 15	2 7	20 11	2 3	15 58	0 20	18 44	2 34	1 19	1 35	8 0	2 46	17 37	0 20	3 17	1 10	23 4	3 39	11 14	11 9	5 56	15 9	6 52					
F 27	12 24	8 2	1 2	20 37	2 9	16 22	0 18	18 31	2 31	1 21	1 35	7 58	2 46	17 36	0 20	3 16	1 10	23 4	3 39	11 14	11 8	5 54	15 8	6 53					
S 28	12 44	11 32	0s 6	21 2	2 14	16 46	0 15	18 18	2 28	1 23	1 35	7 56	2 46	17 35	0 20	3 15	1 10	23 4	3 39	11 14	11 7	5 53	15 8	6 54					
S 29	13 5	14 34	1 16	21 27	2 19	17 9	0 13	18 5	2 26	1 25	1 35	7 55	2 46	17 35	0 20	3 14	1 10	23 4	3 40	11 14	11 6	5 51	15 7	6 54					
M30	13 25	16 56	2 22	21 50	2 23	17 32	0 11	17 52	2 23	1 27	1 34	7 53	2 46	17 34	0 20	3 14	1 10	23 5	3 40	11 14	11 5	5 49	15 6	6 55					
T 31	13s45	18n28	3s23	22s11	2s27	17s54	0n 8	17s39	2s21	1s28	1s34	7n51	2s46	17n34	0s20	3n13	1n10	23n 5	3n40	11s14	11s 4	5s47	15n 5	6s56					

ASTRODIENST EPHEMERIS for the year 1939
geocentric

NOVEMBER 1939

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	2 37 32	7♏39°41	22♏19	29♏38	22♏19	18♏37	29°R50	27°R 1	20°R27	24♏37	2♏55	29°R17	28♏47	5♏12	20°R 4	W 1
T 2	2 41 29	8°39'42	5♏50	0♏53	23°34	19°12	29♏46	26°Y57	20♏25	24°39	2°55	29♏16	28°44	5°19	20♏4	T 2
F 3	2 45 25	9°39'46	19°34	2° 6	24°49	19°48	29°41	26°52	20°23	24°41	2°55	29°15	28°41	5°26	20° 4	F 3
S 4	2 49 22	10°39'52	3♏29	3°17	26° 4	20°23	29°37	26°48	20°20	24°42	2°R55	29°14	28°38	5°32	20° 3	S 4
S 5	2 53 18	11°40'00	17°35	4°27	27°19	20°59	29°33	26°43	20°18	24°44	2°55	29°D14	28°34	5°39	20° 3	S 5
M 6	2 57 15	12°40'10	1♏49	5°34	28°34	21°35	29°29	26°38	20°15	24°46	2°55	29°15	28°31	5°46	20° 3	M 6
T 7	3 1 11	13°40'22	16°10	6°39	29°49	22°11	29°25	26°34	20°13	24°47	2°55	29°16	28°28	5°52	20° 2	T 7
W 8	3 5 8	14°40'36	0♏34	7°42	1♏ 3	22°47	29°22	26°30	20°10	24°49	2°55	29°17	28°25	5°59	20° 2	W 8
T 9	3 9 4	15°40'52	14°58	8°41	2°18	23°23	29°18	26°25	20° 8	24°50	2°55	29°18	28°22	6° 6	20° 1	T 9
F 10	3 13 1	16°41'11	29°16	9°36	3°33	23°59	29°15	26°21	20° 5	24°52	2°54	29°R18	28°19	6°12	20° 0	F 10
S 11	3 16 58	17°41'30	13♏25	10°28	4°48	24°36	29°12	26°17	20° 3	24°53	2°54	29°18	28°15	6°19	19°59	S 11
S 12	3 20 54	18°41'52	27°19	11°16	6° 3	25°13	29° 9	26°12	20° 0	24°55	2°54	29°16	28°12	6°26	19°58	S 12
M13	3 24 51	19°42'16	10♏55	11°59	7°18	25°50	29° 7	26° 8	19°58	24°56	2°54	29°14	28° 9	6°32	19°57	M13
T 14	3 28 47	20°42'41	24°12	12°36	8°33	26°27	29° 5	26° 4	19°55	24°58	2°54	29°10	28° 6	6°39	19°56	T 14
W15	3 32 44	21°43'07	7♏ 7	13° 7	9°48	27° 4	29° 2	26° 0	19°53	24°59	2°53	29° 7	28° 3	6°46	19°55	W15
T 16	3 36 40	22°43'35	19°43	13°31	11° 2	27°42	29° 0	25°56	19°50	25° 1	2°53	29° 3	27°59	6°53	19°53	T 16
F 17	3 40 37	23°44'04	2♏ 2	13°48	12°17	28°19	28°59	25°52	19°48	25° 2	2°53	29° 1	27°56	6°59	19°52	F 17
S 18	3 44 33	24°44'35	14° 7	13°R57	13°32	28°57	28°57	25°48	19°45	25° 3	2°52	28°59	27°53	7° 6	19°50	S 18
S 19	3 48 30	25°45'07	26° 3	13°56	14°47	29°35	28°56	25°44	19°43	25° 5	2°52	28°D58	27°50	7°13	19°49	S 19
M20	3 52 27	26°45'40	7♏54	13°46	16° 2	0♏13	28°55	25°40	19°40	25° 6	2°52	28°59	27°47	7°19	19°47	M20
T 21	3 56 23	27°46'14	19°45	13°26	17°17	0°51	28°54	25°37	19°38	25° 7	2°51	29° 0	27°44	7°26	19°45	T 21
W22	4 0 20	28°46'49	1°Y42	12°55	18°32	1°29	28°53	25°33	19°36	25° 8	2°51	29° 2	27°40	7°33	19°44	W22
T 23	4 4 16	29°47'26	13°49	12°14	19°46	2° 7	28°53	25°30	19°33	25°10	2°50	29° 4	27°37	7°39	19°42	T 23
F 24	4 8 13	0♏48'04	26° 9	11°22	21° 1	2°46	28°52	25°26	19°31	25°11	2°50	29°R 5	27°34	7°46	19°40	F 24
S 25	4 12 9	1°48'43	8♏46	10°20	22°16	3°24	28°D52	25°23	19°28	25°12	2°49	29° 4	27°31	7°53	19°38	S 25
S 26	4 16 6	2°49'24	21°41	9°10	23°31	4° 3	28°52	25°20	19°26	25°13	2°49	29° 2	27°28	7°59	19°35	S 26
M27	4 20 2	3°50'06	4♏55	7°54	24°46	4°41	28°53	25°16	19°23	25°14	2°48	28°59	27°25	8° 6	19°33	M27
T 28	4 23 59	4°50'49	18°26	6°33	26° 0	5°20	28°53	25°13	19°21	25°15	2°48	28°53	27°21	8°13	19°31	T 28
W29	4 27 56	5°51'33	2♏12	5°11	27°15	5°59	28°54	25°10	19°19	25°16	2°47	28°47	27°18	8°20	19°28	W29
T 30	4 31 52	6♏52'19	16♏10	3♏49	28♏30	6♏38	28♏55	25°Y 7	19♏16	25♏17	2♏46	28♏41	27♏15	8♏26	19♏26	T 30

Day	☉		☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
W 1	14s 4	19n 0	4s13	22s32	2s31	18s16	0n 6	17s26	2s18	1s30	1s34	7n50	2s46	17n33	0s20	3n12	1n10	23n 5	3n40	11s13	11s 3	5s45	15n 5	6s56			
T 2	14 24	18 28	4 51	22 51	2 35	18 37	0 3	17 13	2 15	1 32	1 34	7 48	2 46	17 32	0 20	3 12	1 10	23 5	3 40	11 13	11 2	5 43	15 4	6 57			
F 3	14 43	16 52	5 12	23 10	2 38	18 58	0 1	16 59	2 13	1 33	1 34	7 47	2 46	17 32	0 20	3 11	1 10	23 5	3 40	11 12	11 0	5 41	15 4	6 58			
S 4	15 2	14 15	5 16	23 26	2 40	19 18	0s 2	16 45	2 10	1 35	1 33	7 45	2 46	17 31	0 20	3 11	1 10	23 5	3 41	11 12	10 59	5 39	15 3	6 58			
S 5	15 20	10 47	5 1	23 42	2 42	19 38	0 4	16 32	2 8	1 36	1 33	7 44	2 46	17 30	0 20	3 10	1 10	23 5	3 41	11 12	10 58	5 37	15 2	6 59			
M 6	15 39	6 40	4 27	23 56	2 44	19 57	0 7	16 18	2 5	1 38	1 33	7 42	2 46	17 30	0 20	3 9	1 10	23 6	3 41	11 12	10 57	5 35	15 2	7 0			
T 7	15 57	2 8	3 37	24 8	2 45	20 16	0 9	16 4	2 3	1 39	1 33	7 41	2 46	17 29	0 20	3 9	1 10	23 6	3 41	11 13	10 56	5 33	15 1	7 0			
W 8	16 15	2s33	2 32	24 19	2 46	20 34	0 12	15 50	2 1	1 40	1 32	7 39	2 45	17 28	0 20	3 8	1 10	23 6	3 41	11 13	10 55	5 31	15 1	7 1			
T 9	16 32	7 6	1 18	24 29	2 46	20 52	0 15	15 35	1 58	1 41	1 32	7 38	2 45	17 28	0 20	3 7	1 10	23 6	3 41	11 14	10 54	5 29	15 0	7 2			
F 10	16 50	11 13	0 0	24 37	2 45	21 9	0 17	15 21	1 56	1 42	1 32	7 36	2 45	17 27	0 20	3 7	1 10	23 6	3 42	11 14	10 53	5 27	14 59	7 2			
S 11	17 7	14 38	1n17	24 43	2 43	21 25	0 20	15 6	1 54	1 43	1 32	7 35	2 45	17 26	0 20	3 6	1 10	23 7	3 42	11 14	10 51	5 25	14 59	7 3			
S 12	17 23	17 9	2 29	24 47	2 41	21 41	0 22	14 52	1 51	1 44	1 31	7 33	2 45	17 26	0 20	3 6	1 10	23 7	3 42	11 13	10 50	5 23	14 58	7 3			
M13	17 40	18 37	3 30	24 50	2 37	21 56	0 25	14 37	1 49	1 45	1 31	7 32	2 45	17 25	0 20	3 5	1 10	23 7	3 42	11 12	10 49	5 22	14 58	7 4			
T 14	17 56	19 1	4 18	24 50	2 33	22 11	0 27	14 22	1 47	1 45	1 31	7 31	2 45	17 24	0 20	3 5	1 10	23 7	3 42	11 11	10 48	5 20	14 57	7 5			
W15	18 12	18 24	4 52	24 49	2 28	22 25	0 30	14 7	1 44	1 46	1 31	7 29	2 45	17 24	0 20	3 4	1 10	23 7	3 42	11 10	10 47	5 18	14 57	7 5			
T 16	18 27	16 53	5 10	24 45	2 21	22 38	0 32	13 52	1 42	1 47	1 30	7 28	2 44	17 23	0 20	3 4	1 11	23 8	3 43	11 9	10 46	5 16	14 57	7 6			
F 17	18 43	14 36	5 14	24 40	2 13	22 51	0 35	13 37	1 40	1 47	1 30	7 27	2 44	17 22	0 20	3 3	1 11	23 8	3 43	11 8	10 45	5 14	14 56	7 7			
S 18	18 58	11 45	5 4	24 31	2 3	23 3	0 37	13 22	1 38	1 47	1 30	7 25	2 44	17 22	0 20	3 3	1 11	23 8	3 43	11 7	10 43	5 12	14 56	7 7			
S 19	19 12	8 27	4 40	24 20	1 52	23 14	0 39	13 7	1 36	1 48	1 29	7 24	2 44	17 21	0 20	3 2	1 11	23 8	3 43	11 7	10 42	5 10	14 55	7 8			
M20	19 26	4 49	4 5	24 7	1 40	23 24	0 42	12 51	1 33	1 48	1 29	7 23	2 44	17 21	0 20	3 2	1 11	23 9	3 43	11 7	10 41	5 8	14 55	7 8			
T 21	19 40	1 0	3 19	23 51	1 26	23 34	0 44	12 36	1 31	1 48	1 29	7 22	2 43	17 20	0 20	3 1	1 11	23 9	3 43	11 7	10 40	5 6	14 55	7 9			
W22	19 54	2n53	2 24	23 31	1 11	23 43	0 47	12 20	1 29	1 48	1 29	7 21	2 43	17 19	0 20	3 1	1 11	23 9	3 44	11 8	10 39	5 4	14 54	7 10			
T 23	20 7	6 43	1 23	23 9	0 54	23 52	0 49	12 5	1 27	1 48	1 28	7 20	2 43	17 19	0 20	3 0	1 11	23 9	3 44	11 9	10 38	5 2	14 54	7 10			
F 24	20 19	10 21	0 16	22 44	0 35	24 0	0 51	11 49	1 25	1 48	1 28	7 19	2 43	17 18	0 20	3 0	1 11	23 10	3 44	11 9	10 37	5 0	14 54	7 11			
S 25	20 32	13 36	0s53	22 16	0 16	24 7	0 54	11 33	1 23	1 48	1 28	7 18	2 43	17 17	0 20	3 0	1 11	23 10	3 44	11 9	10 35	4 58	14 53	7 11			
S 26	20 44	16 15	2 0	21 46	0n 4	24 13	0 56	11 17	1 21	1 47	1 28	7 17	2 42	17 17	0 20	2 59	1 11	23 10	3 44	11 8	10 34	4 56	14 53	7 12			
M27	20 55	18 7	3 3	21 14	0 25	24 18	0 58	11 1	1 19	1 47	1 27	7 16	2 42	17 16	0 20	2 59	1 11	23 10	3 44	11 7	10 33	4 54	14 53	7 12			
T 28	21 7	19 1	3 57	20 40	0 45	24 23	1 0	10 45	1 17	1 46	1 27	7 15	2 42	17 15	0 20	2 58	1 11	23 11	3 44	11 5	10 32	4 53	14 53	7 13			
W29	21 17	18 48	4 38	20 6	1 5	24 27	1 2	10 29	1 15	1 46	1 27	7 14	2 42	17 15	0 20	2 58	1 11	23 11	3 45	11 3	10 31	4 51	14 53	7 14			
T 30	21s28	17n27	5s 3	19s33	1n23	24s31	1s 5	10s13	1s13	1s45	1s26	7n13	2s42	17n14	0s20	2n58	1n11	23n11	3n45	11s 1	10s30	4s49	14n52	7s14			

ASTRODIENST EPHEMERIS for the year 1939

geocentric

DECEMBER 1939

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	4 35 49	7♂53'07	0♂15	2°R32	29♂45	7♂17	28♂56	25°R 4	19°R14	25♂18	2°R46	28°R36	27♂12	8♂33	19°R23	F 1
S 2	4 39 45	8°53'55	14°25	1♂20	1♂0	7°56	28°58	25°Y 2	19♂12	25°19	2♂45	28♂31	27° 9	8°40	19♂21	S 2
S 3	4 43 42	9°54'45	28°36	0°17	2°14	8°35	28°59	24°59	19° 9	25°20	2°44	28°29	27° 5	8°46	19°18	S 3
M 4	4 47 38	10°55'37	12♂45	29♂24	3°29	9°15	29° 1	24°56	19° 7	25°21	2°44	28°D28	27° 2	8°53	19°15	M 4
T 5	4 51 35	11°56'30	26°51	28°42	4°44	9°54	29° 3	24°54	19° 5	25°22	2°43	28°29	26°59	9° 0	19°12	T 5
W 6	4 55 31	12°57'24	10♂53	28°11	5°59	10°33	29° 5	24°51	19° 3	25°22	2°42	28°31	26°56	9° 6	19° 9	W 6
T 7	4 59 28	13°58'20	24°50	27°52	7°13	11°13	29° 7	24°49	19° 0	25°23	2°41	28°R31	26°53	9°13	19° 6	T 7
F 8	5 3 25	14°59'17	8♂40	27°D44	8°28	11°52	29°10	24°47	18°58	25°24	2°40	28°31	26°50	9°20	19° 3	F 8
S 9	5 7 21	16° 0'15	22°21	27°46	9°43	12°32	29°13	24°45	18°56	25°24	2°40	28°29	26°46	9°26	19° 0	S 9
S 10	5 11 18	17° 1'14	5♂52	27°59	10°58	13°12	29°16	24°43	18°54	25°25	2°39	28°24	26°43	9°33	18°57	S 10
M11	5 15 14	18° 2'14	19°11	28°20	12°12	13°51	29°19	24°41	18°52	25°26	2°38	28°16	26°40	9°40	18°54	M11
T 12	5 19 11	19° 3'15	2♂14	28°49	13°27	14°31	29°22	24°39	18°50	25°26	2°37	28° 7	26°37	9°47	18°50	T 12
W13	5 23 7	20° 4'17	15° 2	29°26	14°42	15°11	29°26	24°37	18°48	25°27	2°36	27°57	26°34	9°53	18°47	W13
T 14	5 27 4	21° 5'20	27°34	0♂9	15°56	15°51	29°30	24°36	18°46	25°27	2°35	27°47	26°31	10° 0	18°44	T 14
F 15	5 31 0	22° 6'23	9♂51	0°58	17°11	16°31	29°34	24°34	18°44	25°28	2°34	27°39	26°27	10° 7	18°40	F 15
S 16	5 34 57	23° 7'26	21°56	1°52	18°26	17°11	29°38	24°33	18°42	25°28	2°33	27°31	26°24	10°13	18°37	S 16
S 17	5 38 54	24° 8'30	3♂51	2°50	19°40	17°51	29°42	24°32	18°40	25°29	2°32	27°27	26°21	10°20	18°33	S 17
M18	5 42 50	25° 9'35	15°40	3°53	20°55	18°32	29°47	24°31	18°38	25°29	2°31	27°24	26°18	10°27	18°29	M18
T 19	5 46 47	26°10'40	27°30	4°59	22°10	19°12	29°51	24°29	18°36	25°29	2°30	27°D24	26°15	10°33	18°26	T 19
W20	5 50 43	27°11'45	9°Y25	6° 7	23°24	19°52	29°56	24°29	18°34	25°30	2°29	27°24	26°11	10°40	18°22	W20
T 21	5 54 40	28°12'50	21°31	7°19	24°39	20°32	0°Y 1	24°28	18°33	25°30	2°28	27°R25	26° 8	10°47	18°18	T 21
F 22	5 58 36	29°13'56	3♂53	8°33	25°53	21°13	0° 7	24°27	18°31	25°30	2°27	27°25	26° 5	10°53	18°14	F 22
S 23	6 2 33	0♂15'01	16°34	9°48	27° 8	21°53	0°12	24°26	18°29	25°31	2°26	27°23	26° 2	11° 0	18°11	S 23
S 24	6 6 29	1°16'08	29°39	11° 6	28°22	22°34	0°18	24°26	18°28	25°31	2°25	27°19	25°59	11° 7	18° 7	S 24
M25	6 10 26	2°17'14	13♂11	12°25	29°37	23°14	0°24	24°25	18°26	25°31	2°24	27°12	25°56	11°13	18° 3	M25
T 26	6 14 23	3°18'21	27° 2	13°45	0♂51	23°54	0°30	24°25	18°24	25°31	2°22	27° 3	25°52	11°20	17°59	T 26
W27	6 18 19	4°19'28	11♂15	15° 7	2° 6	24°35	0°36	24°25	18°23	25°31	2°21	26°52	25°49	11°27	17°55	W27
T 28	6 22 16	5°20'35	25°42	16°30	3°20	25°15	0°42	24°D25	18°21	25°31	2°20	26°40	25°46	11°33	17°51	T 28
F 29	6 26 12	6°21'43	10♂17	17°54	4°35	25°56	0°49	24°25	18°20	25°R31	2°19	26°30	25°43	11°40	17°47	F 29
S 30	6 30 9	7°22'51	24°52	19°18	5°49	26°37	0°55	24°25	18°19	25°31	2°18	26°22	25°40	11°47	17°43	S 30
S 31	6 34 5	8♂23'59	9♂21	20♂44	7♂3	27♂17	1°Y 2	24°Y25	18♂17	25♂31	2♂17	26♂16	25♂37	11♂54	17♂39	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	21s38	15n 3	5s10	19s 1	1n41	24s33	1s 7	9s56	1s11	1s44	1s26	7n12	2s41	17n13	0s20	2n57	1n11	23n12	3n45	10s59	10s29	4s47	14n52	7s15			
S 2	21 47	11 45	4 58	18 32	1 56	24 35	1 9	9 40	1 9	1 44	1 26	7 11	2 41	17 13	0 19	2 57	1 11	23 12	3 45	10 57	10 27	4 45	14 52	7 15			
S 3	21 57	7 46	4 29	18 6	2 9	24 36	1 11	9 24	1 7	1 43	1 26	7 11	2 41	17 12	0 19	2 57	1 11	23 12	3 45	10 56	10 26	4 43	14 52	7 16			
M 4	22 5	3 21	3 42	17 44	2 20	24 37	1 13	9 7	1 6	1 42	1 25	7 10	2 41	17 12	0 19	2 56	1 11	23 13	3 45	10 56	10 25	4 41	14 52	7 16			
T 5	22 14	1s14	2 43	17 27	2 29	24 36	1 15	8 51	1 4	1 41	1 25	7 9	2 40	17 11	0 19	2 56	1 11	23 13	3 46	10 56	10 24	4 39	14 52	7 17			
W 6	22 21	5 45	1 34	17 14	2 36	24 35	1 17	8 34	1 2	1 40	1 25	7 8	2 40	17 10	0 19	2 56	1 11	23 13	3 46	10 57	10 23	4 37	14 52	7 17			
T 7	22 29	9 56	0 20	17 5	2 41	24 33	1 18	8 17	1 0	1 38	1 24	7 8	2 40	17 10	0 19	2 56	1 11	23 14	3 46	10 57	10 22	4 35	14 51	7 18			
F 8	22 36	13 32	0n55	17 0	2 43	24 30	1 20	8 1	0 58	1 37	1 24	7 7	2 40	17 9	0 19	2 55	1 12	23 14	3 46	10 57	10 21	4 33	14 51	7 18			
S 9	22 43	16 21	2 5	17 0	2 45	24 27	1 22	7 44	0 57	1 36	1 24	7 7	2 39	17 9	0 19	2 55	1 12	23 14	3 46	10 56	10 19	4 31	14 51	7 19			
S 10	22 49	18 13	3 7	17 3	2 44	24 23	1 24	7 27	0 55	1 34	1 24	7 6	2 39	17 8	0 19	2 55	1 12	23 15	3 46	10 54	10 18	4 29	14 51	7 19			
M 11	22 54	19 3	3 58	17 9	2 42	24 18	1 25	7 10	0 53	1 33	1 23	7 6	2 39	17 8	0 19	2 55	1 12	23 15	3 46	10 52	10 17	4 27	14 51	7 19			
T 12	23 0	18 50	4 36	17 18	2 39	24 12	1 27	6 53	0 51	1 31	1 23	7 5	2 39	17 7	0 19	2 55	1 12	23 15	3 47	10 49	10 16	4 25	14 51	7 20			
W 13	23 4	17 39	4 58	17 30	2 36	24 6	1 28	6 36	0 50	1 29	1 23	7 5	2 38	17 7	0 19	2 54	1 12	23 16	3 47	10 45	10 15	4 23	14 51	7 20			
T 14	23 9	15 39	5 6	17 44	2 31	23 59	1 30	6 19	0 48	1 28	1 22	7 5	2 38	17 6	0 19	2 54	1 12	23 16	3 47	10 41	10 14	4 21	14 52	7 21			
F 15	23 13	12 59	4 59	17 59	2 25	23 51	1 31	6 2	0 46	1 26	1 22	7 4	2 38	17 5	0 19	2 54	1 12	23 16	3 47	10 38	10 13	4 20	14 52	7 21			
S 16	23 16	9 48	4 39	18 16	2 20	23 42	1 32	5 45	0 45	1 24	1 22	7 4	2 38	17 5	0 19	2 54	1 12	23 17	3 47	10 36	10 11	4 18	14 52	7 21			
S 17	23 19	6 16	4 7	18 33	2 13	23 33	1 34	5 28	0 43	1 22	1 22	7 4	2 37	17 4	0 19	2 54	1 12	23 17	3 47	10 34	10 10	4 16	14 52	7 22			
M 18	23 21	2 31	3 24	18 52	2 6	23 23	1 35	5 11	0 42	1 20	1 21	7 4	2 37	17 4	0 19	2 54	1 12	23 17	3 47	10 33	10 9	4 14	14 52	7 22			
T 19	23 23	1n21	2 33	19 11	1 59	23 12	1 36	4 53	0 40	1 18	1 21	7 4	2 37	17 3	0 19	2 54	1 12	23 18	3 47	10 33	10 8	4 12	14 52	7 22			
W 20	23 25	5 11	1 35	19 30	1 52	23 1	1 37	4 36	0 38	1 16	1 21	7 4	2 37	17 3	0 19	2 54	1 12	23 18	3 48	10 33	10 7	4 10	14 52	7 23			
T 21	23 26	8 53	0 32	19 50	1 44	22 49	1 38	4 19	0 37	1 13	1 21	7 4	2 36	17 2	0 19	2 54	1 12	23 18	3 48	10 33	10 6	4 8	14 52	7 23			
F 22	23 27	12 16	0s34	20 9	1 36	22 36	1 39	4 2	0 35	1 11	1 20	7 4	2 36	17 2	0 19	2 53	1 12	23 19	3 48	10 33	10 5	4 6	14 53	7 23			
S 23	23 27	15 11	1 40	20 28	1 28	22 22	1 40	3 44	0 34	1 9	1 20	7 4	2 36	17 2	0 19	2 53	1 12	23 19	3 48	10 33	10 3	4 4	14 53	7 24			
S 24	23 26	17 26	2 43	20 47	1 20	22 8	1 41	3 27	0 32	1 6	1 20	7 4	2 35	17 1	0 19	2 53	1 12	23 20	3 48	10 31	10 2	4 2	14 53	7 24			
M 25	23 25	18 46	3 38	21 6	1 12	21 53	1 42	3 10	0 31	1 4	1 20	7 4	2 35	17 1	0 19	2 53	1 12	23 20	3 48	10 29	10 1	4 0	14 53	7 24			
T 26	23 24	19 2	4 22	21 24	1 4	21 38	1 42	2 52	0 29	1 1	1 19	7 4	2 35	17 0	0 19	2 53	1 12	23 20	3 48	10 25	10 0	3 58	14 53	7 24			
W 27	23 22	18 8	4 51	21 41	0 56	21 22	1 43	2 35	0 28	0 58	1 19	7 4	2 35	17 0	0 19	2 53	1 12	23 21	3 48	10 21	9 59	3 56	14 54	7 25			
T 28	23 20	16 3	5 2	21 58	0 48	21 5	1 43	2 17	0 26	0 55	1 19	7 4	2 34	17 0	0 19	2 53	1 12	23 21	3 49	10 17	9 58	3 54	14 54	7 25			
F 29	23 18	12 57	4 54	22 14	0 40	20 48	1 44	2 0	0 25	0 53	1 18	7 5	2 34	16 59	0 19	2 53	1 13	23 22	3 49	10 14	9 56	3 52	14 54	7 25			
S 30	23 14	9 3	4 26	22 29	0 32	20 30	1 44	1 43	0 24	0 50	1 18	7 5	2 34	16 59	0 19	2 54	1 13	23 22	3 49	10 11	9 55	3 50	14 55	7 25			
S 31	23s11	4n39	3s41	22s43	0n24	20s12	1s45	1s25	0s22	0s47	1s18	7n 5	2s33	16n58	0s19	2n54	1n13	23n22	3n49	10s 8	9s54	3s49	14n55	7s25			