



Astrodienst Ephemeris Tables for the year 2069

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 2069

geocentric

JANUARY 2069

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	6 44 58	11°38' 838	16°56' 56	24°R52	24°24' 24	11°16' 16	18°17' 17	6°47' 47	16°29' 29	7°R15	0°15' 15	21°D50	20°M29	11°13' 13	27°16' 16	T 1
W 2	6 48 55	12° 9' 47	18° 1' 1	24°318	25°39' 39	11°58' 58	18°30' 30	6°48' 48	16°33' 33	7°13' 13	0°15' 15	21°M51	20°26' 26	11°13' 13	27°17' 17	W 2
T 3	6 52 51	13°10' 56	15° 4' 4	23°32' 32	26°54' 54	12°40' 40	18°43' 43	6°50' 50	16°36' 36	7°11' 11	0°16' 16	21°R52	20°23' 23	11°20' 20	27°19' 19	T 3
F 4	6 56 48	14°12' 04	29° 2' 2	22°36' 36	28°10' 10	13°23' 23	18°56' 56	6°51' 51	16°40' 40	7°10' 10	0°16' 16	21°52' 52	20°19' 19	11°27' 27	27°20' 20	F 4
S 5	7 0 44	15°13' 13	12°11' 54	21°31' 31	29°25' 25	14° 5' 5	19° 9' 9	6°52' 52	16°43' 43	7° 8' 8	0°17' 17	21°50' 50	20°16' 16	11°33' 33	27°21' 21	S 5
S 6	7 4 41	16°14' 21	26°38' 38	20°18' 18	0°340	14°48' 48	19°23' 23	6°53' 53	16°46' 46	7° 6' 6	0°18' 18	21°45' 45	20°13' 13	11°40' 40	27°23' 23	S 6
M 7	7 8 37	17°15' 29	10°11' 11	19° 0' 0	1°56' 56	15°30' 30	19°36' 36	6°54' 54	16°50' 50	7° 5' 5	0°18' 18	21°38' 38	20°10' 10	11°47' 47	27°25' 25	M 7
T 8	7 12 34	18°16' 36	23°31' 31	17°40' 40	3°11' 11	16°12' 12	19°49' 49	6°55' 55	16°53' 53	7° 3' 3	0°19' 19	21°29' 29	20° 7' 7	11°54' 54	27°26' 26	T 8
W 9	7 16 30	19°17' 44	6°13' 35	16°20' 20	4°26' 26	16°55' 55	20° 2' 2	6°56' 56	16°56' 56	7° 1' 1	0°19' 19	21°18' 18	20° 4' 4	12° 0' 0	27°28' 28	W 9
T 10	7 20 27	20°18' 51	19°22' 22	15° 2' 2	5°42' 42	17°38' 38	20°16' 16	6°56' 56	16°59' 59	7° 0' 0	0°20' 20	21° 7' 7	20° 0' 0	12° 7' 7	27°30' 30	T 10
F 11	7 24 24	21°19' 59	1°10' 53	13°49' 49	6°57' 57	18°20' 20	20°29' 29	6°57' 57	17° 3' 3	6°58' 58	0°21' 21	20°57' 57	19°57' 57	12°14' 14	27°32' 32	F 11
S 12	7 28 20	22°21' 06	14° 8' 8	12°42' 42	8°12' 12	19° 3' 3	20°43' 43	6°57' 57	17° 6' 6	6°56' 56	0°21' 21	20°48' 48	19°54' 54	12°20' 20	27°33' 33	S 12
S 13	7 32 17	23°22' 13	26°10' 10	11°44' 44	9°28' 28	19°45' 45	20°56' 56	6°58' 58	17° 9' 9	6°55' 55	0°22' 22	20°42' 42	19°51' 51	12°27' 27	27°35' 35	S 13
M14	7 36 13	24°23' 20	8°14' 4	10°55' 55	10°43' 43	20°28' 28	21°10' 10	6°58' 58	17°12' 12	6°53' 53	0°23' 23	20°38' 38	19°48' 48	12°34' 34	27°37' 37	M14
T 15	7 40 10	25°24' 27	19°53' 53	10°15' 15	11°58' 58	21°11' 11	21°23' 23	6°R58	17°15' 15	6°51' 51	0°23' 23	20°36' 36	19°44' 44	12°40' 40	27°39' 39	T 15
W16	7 44 6	26°25' 33	1°14' 43	9°46' 46	13°14' 14	21°54' 54	21°37' 37	6°58' 58	17°18' 18	6°50' 50	0°24' 24	20°D36	19°41' 41	12°47' 47	27°41' 41	W16
T 17	7 48 3	27°26' 40	13°39' 39	9°25' 25	14°29' 29	22°37' 37	21°51' 51	6°58' 58	17°21' 21	6°48' 48	0°25' 25	20°37' 37	19°38' 38	12°54' 54	27°43' 43	T 17
F 18	7 51 59	28°27' 46	25°47' 47	9°14' 14	15°44' 44	23°19' 19	22° 5' 5	6°58' 58	17°24' 24	6°47' 47	0°26' 26	20°R37	19°35' 35	13° 0' 0	27°46' 46	F 18
S 19	7 55 56	29°28' 52	8°12' 12	9°D12	17° 0' 0	24° 2' 2	22°18' 18	6°57' 57	17°27' 27	6°45' 45	0°27' 27	20°35' 35	19°32' 32	13° 7' 7	27°48' 48	S 19
S 20	7 59 53	0°29' 58	20°58' 58	9°18' 18	18°15' 15	24°45' 45	22°32' 32	6°57' 57	17°30' 30	6°44' 44	0°27' 27	20°31' 31	19°29' 29	13°14' 14	27°50' 50	S 20
M21	8 3 49	1°31' 03	4°37' 7	9°31' 31	19°30' 30	25°28' 28	22°46' 46	6°56' 56	17°33' 33	6°42' 42	0°28' 28	20°25' 25	19°25' 25	13°20' 20	27°52' 52	M21
T 22	8 7 46	2°32' 08	17°40' 40	9°52' 52	20°46' 46	26°11' 11	23° 0' 0	6°55' 55	17°36' 36	6°41' 41	0°29' 29	20°15' 15	19°22' 22	13°27' 27	27°55' 55	T 22
W23	8 11 42	3°33' 13	1°35' 35	10°19' 19	22° 1' 1	26°54' 54	23°14' 14	6°55' 55	17°39' 39	6°39' 39	0°30' 30	20° 4' 4	19°19' 19	13°34' 34	27°57' 57	W23
T 24	8 15 39	4°34' 16	15°48' 48	10°51' 51	23°16' 16	27°37' 37	23°28' 28	6°54' 54	17°42' 42	6°38' 38	0°31' 31	19°52' 52	19°16' 16	13°40' 40	27°59' 59	T 24
F 25	8 19 35	5°35' 19	0°14' 14	11°29' 29	24°31' 31	28°20' 20	23°42' 42	6°53' 53	17°44' 44	6°36' 36	0°32' 32	19°40' 40	19°13' 13	13°47' 47	28° 2' 2	F 25
S 26	8 23 32	6°36' 21	14°45' 45	12°12' 12	25°47' 47	29° 4' 4	23°56' 56	6°52' 52	17°47' 47	6°35' 35	0°33' 33	19°30' 30	19°10' 10	13°54' 54	28° 4' 4	S 26
S 27	8 27 28	7°37' 21	29°15' 15	12°59' 59	27° 2' 2	29°47' 47	24°10' 10	6°50' 50	17°50' 50	6°33' 33	0°34' 34	19°23' 23	19° 6' 6	14° 0' 0	28° 7' 7	S 27
M28	8 31 25	8°38' 21	13°19' 39	13°50' 50	28°17' 17	0°30' 30	24°25' 25	6°49' 49	17°52' 52	6°32' 32	0°35' 35	19°19' 19	19° 3' 3	14° 7' 7	28° 9' 9	M28
T 29	8 35 22	9°39' 19	27°53' 53	14°45' 45	29°33' 33	1°13' 13	24°39' 39	6°48' 48	17°55' 55	6°31' 31	0°36' 36	19°17' 17	19° 0' 0	14°14' 14	28°12' 12	T 29
W30	8 39 18	10°40' 16	11°18' 56	15°42' 42	0°48' 48	1°56' 56	24°53' 53	6°46' 46	17°58' 58	6°29' 29	0°37' 37	19°16' 16	18°57' 57	14°20' 20	28°14' 14	W30
T 31	8 43 15	11°41' 12	25°18' 47	16°34' 34	2°33' 33	2°340	25°35' 35	6°45' 45	18°17' 17	6°28' 28	0°38' 38	19°16' 16	18°54' 54	14°27' 27	28°17' 17	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	
T 1	22s58	9n22	2n57	20s20	0n50	22s53	0n25	22s11	0s 3	16s 5	0s47	0s34	2n19	22s45	0s 1	22n11	1s 3	14s40	16s 8	18s13	17s52	7s24	2n 4	3n26						
W 2	22 52	13 32	1 50	20 7	1 9	22 59	0 23	22 17	0 4	16 1	0 47	0 34	2 19	22 46	0 1	22 11	1 3	14 39	16 7	18 13	17 51	7 26	2 4	3 26						
T 3	22 47	16 56	0 37	19 56	1 28	23 3	0 20	22 23	0 5	15 57	0 47	0 35	2 19	22 46	0 1	22 11	1 3	14 39	16 7	18 13	17 50	7 28	2 5	3 26						
F 4	22 40	19 18	0s38	19 46	1 48	23 7	0 18	22 29	0 5	15 53	0 47	0 35	2 20	22 46	0 1	22 11	1 3	14 38	16 7	18 13	17 49	7 30	2 5	3 26						
S 5	22 34	20 30	1 51	19 38	2 6	23 10	0 15	22 35	0 6	15 49	0 47	0 35	2 20	22 47	0 1	22 11	1 3	14 38	16 6	18 13	17 48	7 32	2 5	3 25						
S 6	22 27	20 28	2 55	19 32	2 23	23 13	0 13	22 40	0 7	15 45	0 47	0 35	2 20	22 47	0 1	22 11	1 3	14 37	16 6	18 12	17 47	7 34	2 6	3 25						
M 7	22 19	19 14	3 49	19 28	2 38	23 15	0 10	22 46	0 8	15 41	0 47	0 35	2 20	22 47	0 1	22 11	1 3	14 37	16 6	18 10	17 47	7 36	2 6	3 25						
T 8	22 11	16 57	4 29	19 25	2 52	23 16	0 8	22 51	0 8	15 37	0 47	0 35	2 21	22 48	0 1	22 12	1 3	14 36	16 5	18 7	17 46	7 38	2 7	3 25						
W 9	22 2	13 52	4 54	19 24	3 3	23 16	0 5	22 56	0 9	15 32	0 47	0 35	2 21	22 48	0 1	22 12	1 3	14 36	16 5	18 5	17 45	7 40	2 7	3 24						
T 10	21 54	10 11	5 4	19 25	3 11	23 16	0 3	23 1	0 10	15 28	0 47	0 35	2 21	22 48	0 1	22 12	1 3	14 35	16 5	18 2	17 44	7 42	2 8	3 24						
F 11	21 44	6 9	4 49	19 26	3 18	23 15	0 0	23 5	0 10	15 24	0 47	0 35	2 22	22 49	0 1	22 12	1 3	14 35	16 4	17 59	17 43	7 44	2 8	3 24						
S 12	21 35	1 56	4 40	19 29	3 21	23 13	0s 2	23 10	0 11	15 20	0 47	0 35	2 22	22 49	0 1	22 12	1 3	14 34	16 4	17 57	17 42	7 46	2 9	3 24						
S 13	21 24	2s17	4 9	19 33	3 22	23 10	0 5	23 14	0 12	15 15	0 47	0 35	2 22	22 49	0 1	22 12	1 3	14 34	16 4	17 55	17 42	7 48	2 9	3 24						
M14	21 14	6 22	3 27	19 38	3 21	23 7	0 7	23 17	0 12	15 11	0 47	0 35	2 22	22 50	0 1	22 12	1 3	14 33	16 3	17 54	17 41	7 50	2 10	3 23						
T 15	21 3	10 11	2 36	19 44	3 19	23 3	0 10	23 21	0 13	15 7	0 47	0 35	2 23	22 50	0 1	22 12	1 3	14 32	16 3	17 54	17 40	7 52	2 10	3 23						
W16	20 52	13 37	1 39	19 51	3 14	22 59	0 12	23 25	0 14	15 2	0 47	0 34	2 23	22 50	0 1	22 12	1 3	14 32	16 3	17 54	17 39	7 54	2 11	3 23						
T 17	20 40	16 31	0 37	19 58	3 8	22 53	0 15	23 28	0 14	14 58	0 47	0 34	2 23	22 51	0 1	22 13	1 3	14 31	16 2	17 54	17 38	7 56	2 12	3 23						
F 18	20 28	18 45	0n28	20 6	3 1	22 47	0 17	23 31	0 15	14 53	0 47	0 34	2 24	22 51	0 1	22 13	1 3	14 31	16 2	17 54	17 37	7 58	2 12	3 22						
S 19	20 15	20 9	1 32	20 14	2 53	22 40	0 20	23 33	0 16	14 49	0 47	0 33	2 24	22 51	0 1	22 13	1 3	14 30	16 2	17 53	17 36	8 0	2 13	3 22						
S 20	20 2	20 34	2 34	20 22	2 44	22 33	0 22	23 36	0 17	14 44	0 47	0 33	2 24	22 51	0 1	22 13	1 3	14 29	16 1	17 52	17 36	8 2	2 14	3 22						
M21	19 49	19 53	3 29	20 31	2 35	22 25	0 24	23 38	0 17	14 40	0 47	0 32	2 24	22 52	0 1	22 13	1 3	14 29	16 1	17 51	17 35	8 4	2 14	3 22						
T 22	19 35	18 3	4 15	20 39	2 25	22 16	0 27	23 40	0 18	14 35	0 47	0 32	2 25	22 52	0 1	22 13	1 3	14 28	16 1	17 48	17 34	8 5	2 15	3 22						
W23	19 21	15 9	4 46	20 47	2 15	22 6	0 29	23 42	0 19	14 31	0 47	0 31	2 25	22 52	0 1	22 13	1 3	14 28	16 1	17 45	17 33	8 7	2 16	3 21						
T 24	19 7	11 18	5 0	20 54	2 5	21 56	0 31	23 44	0 19	14 26	0 47	0 31	2 25	22 52	0 1	22 13	1 3	14 27	16 0	17 42	17 32	8 9	2 17	3 21						
F 25	18 52	6 46	4 56	21 2	1 55	21 45	0 34	23 45	0 20	14 22	0 47	0 30	2 26	22 53	0 1	22 13	1 3	14 26	16 0	17 39	17 31	8 11	2 17	3 21						
S 26	18 37	1 48	4 33	21 8	1 44	21 34	0 36	23 46	0 21	14 17	0 47	0 29	2 26	22 53	0 1	22 13	1 3	14 26	16 0	17 36	17 30	8 13	2 18	3 21						
S 27	18 21	3n15	3 52	21 14	1 34	21 22	0 38	23 47	0 22	14 12	0 47	0 29	2 26	22 53	0 1	22 14	1 3	14 25	15 59	17 34	17 29	8 15	2 19	3 21						
M28	18 6	8 6	2 57	21 20	1 23	21 9	0 40	23 48	0 22	14 8	0 47	0 28	2 26	22 54	0 1	22 14	1 2	14 24	15 59	17 33	17 29	8 17	2 20	3 20						
T 29	17 50	12 26	1 51	21 24	1 13	20 56	0 42	23 48	0 23	14 3	0 48	0 27	2 27	22 54	0 1	22 14	1 2	14 24	15 59	17 32	17 28	8 19	2 21	3 20						
W30	17 33	16 1	0 39	21 28	1 3	20 41	0 44	23 49	0 24	13 58	0 48	0 26	2 27	22 54	0 1	22 14	1 2	14 23	15 59	17 32	17 27	8 21	2 22	3 20						
T 31	17s16	18n38	0s34	21s31	0n53	20s27	0s46	23s49	0s25	13s53	0s48	0s25	2n27	22s54	0s 1	22n14	1s 2	14s23	15s58	17s32	17s26	8s23	2n22	3n20						

ASTRODIENST EPHEMERIS for the year 2069

geocentric

FEBRUARY 2069

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	8 47 11	12 ⁴² 07	9 ¹¹ 27	17 ³ 46	3 ³⁸ 19	3 ³ 23	25 ³⁸ 21	6 ⁰ R43	18 ³⁷ 3	6 ⁰ R27	0 ⁰ Y39	19 ⁰ R15	18 ¹ 50	14 ³ 34	28 ³ 20	F 1
S 2	8 51 8	13 ⁴³ 01	22 ⁵⁶	18 ⁵²	4 ³⁴	4 ⁶	25 ³⁶	6 ¹ 41	18 ⁵	6 ³ 25	0 ⁰ 40	19 ¹ 12	18 ⁴⁷	14 ⁴⁰	28 ²³	S 2
S 3	8 55 4	14 ⁴³ 53	6 ⁵ 15	20 ⁰	5 ⁴⁹	4 ⁵⁰	25 ⁵⁰	6 ³⁹	18 ⁸	6 ²⁴	0 ⁴¹	19 ⁶	18 ⁴⁴	14 ⁴⁷	28 ²⁵	S 3
M 4	8 59 1	15 ⁴⁴ 44	19 ²³	21 ¹⁰	7 ⁴	5 ³³	26 ⁴	6 ³⁷	18 ¹⁰	6 ²³	0 ⁴²	18 ⁵⁶	18 ⁴¹	14 ⁵⁴	28 ²⁸	M 4
T 5	9 2 57	16 ⁴⁵ 34	2 ⁰ 21	22 ²¹	8 ²⁰	6 ¹⁷	26 ¹⁸	6 ³⁵	18 ¹²	6 ²²	0 ⁴⁴	18 ⁴⁴	18 ³⁸	15 ⁰	28 ³¹	T 5
W 6	9 6 54	17 ⁴⁶ 22	15 ⁷	23 ³⁵	9 ³⁵	7 ⁰	26 ³³	6 ³³	18 ¹⁵	6 ²⁰	0 ⁴⁵	18 ³⁰	18 ³⁵	15 ⁷	28 ³⁴	W 6
T 7	9 10 51	18 ⁴⁷ 09	27 ⁴⁰	24 ⁵⁰	10 ⁵⁰	7 ⁴⁴	26 ⁴⁷	6 ³⁰	18 ¹⁷	6 ¹⁹	0 ⁴⁶	18 ¹⁶	18 ³¹	15 ¹⁴	28 ³⁷	T 7
F 8	9 14 47	19 ⁴⁷ 55	10 ¹ 1	26 ⁷	12 ⁵	8 ²⁷	27 ²	6 ²⁸	18 ¹⁹	6 ¹⁸	0 ⁴⁷	18 ²	18 ²⁸	15 ²⁰	28 ⁴⁰	F 8
S 9	9 18 44	20 ⁴⁸ 40	22 ¹⁰	27 ²⁵	13 ²⁰	9 ¹¹	27 ¹⁶	6 ²⁵	18 ²¹	6 ¹⁷	0 ⁴⁸	17 ⁵¹	18 ²⁵	15 ²⁷	28 ⁴³	S 9
S 10	9 22 40	21 ⁴⁹ 24	4 ¹ 9	28 ⁴⁵	14 ³⁶	9 ⁵⁵	27 ³⁰	6 ²³	18 ²³	6 ¹⁶	0 ⁴⁹	17 ⁴¹	18 ²²	15 ³⁴	28 ⁴⁶	S 10
M 11	9 26 37	22 ⁵⁰ 06	16 ¹	0 ³⁸ 6	15 ⁵¹	10 ³⁸	27 ⁴⁵	6 ²⁰	18 ²⁶	6 ¹⁵	0 ⁵¹	17 ³⁵	18 ¹⁹	15 ⁴⁰	28 ⁴⁹	M 11
T 12	9 30 33	23 ⁵⁰ 48	27 ⁴⁹	1 ²⁸	17 ⁶	11 ²²	27 ⁵⁹	6 ¹⁷	18 ²⁸	6 ¹⁴	0 ⁵²	17 ³²	18 ¹⁵	15 ⁴⁷	28 ⁵²	T 12
W 13	9 34 30	24 ⁵¹ 28	9 ¹ 37	2 ⁵¹	18 ²¹	12 ⁶	28 ¹³	6 ¹⁵	18 ³⁰	6 ¹³	0 ⁵³	17 ³⁰	18 ¹²	15 ⁵⁴	28 ⁵⁵	W 13
T 14	9 38 26	25 ⁵² 07	21 ³²	4 ¹⁶	19 ³⁶	12 ⁴⁹	28 ²⁸	6 ¹²	18 ³²	6 ¹²	0 ⁵⁴	17 ³⁰	18 ⁹	16 ⁰	28 ⁵⁸	T 14
F 15	9 42 23	26 ⁵² 45	3 ³ 37	5 ⁴¹	20 ⁵²	13 ³³	28 ⁴²	6 ⁹	18 ³³	6 ¹¹	0 ⁵⁶	17 ³⁰	18 ⁶	16 ⁷	29 ¹	F 15
S 16	9 46 20	27 ⁵³ 22	16 ⁰	7 ⁸	22 ⁷	14 ¹⁷	28 ⁵⁷	6 ⁵	18 ³⁵	6 ¹⁰	0 ⁵⁷	17 ²⁹	18 ³	16 ¹⁴	29 ⁴	S 16
S 17	9 50 16	28 ⁵³ 58	28 ⁴⁵	8 ³⁵	23 ²²	15 ¹	29 ¹¹	6 ²	18 ³⁷	6 ⁹	0 ⁵⁸	17 ²⁶	18 ⁰	16 ²⁰	29 ⁷	S 17
M 18	9 54 13	29 ⁵⁴ 33	11 ³ 55	10 ⁴	24 ³⁷	15 ⁴⁵	29 ²⁶	5 ⁵⁹	18 ³⁹	6 ⁸	1 ⁰	17 ²⁰	17 ⁵⁶	16 ²⁷	29 ¹⁰	M 18
T 19	9 58 9	0 ¹ 55'06	25 ³⁴	11 ³⁴	25 ⁵²	16 ²⁹	29 ⁴⁰	5 ⁵⁶	18 ⁴¹	6 ⁷	1 ¹	17 ¹¹	17 ⁵³	16 ³⁴	29 ¹⁴	T 19
W 20	10 2 6	1 ⁵⁵ 38	9 ³ 40	13 ⁴	27 ⁷	17 ¹³	29 ⁵⁴	5 ⁵²	18 ⁴²	6 ⁶	1 ²	17 ¹	17 ⁵⁰	16 ⁴⁰	29 ¹⁷	W 20
T 21	10 6 2	2 ⁵⁶ 09	24 ¹¹	14 ³⁶	28 ²²	17 ⁵⁷	0 ¹ 9	5 ⁴⁹	18 ⁴⁴	6 ⁶	1 ⁴	16 ⁴⁹	17 ⁴⁷	16 ⁴⁷	29 ²⁰	T 21
F 22	10 9 59	3 ⁵⁶ 38	8 ³ 58	16 ⁸	29 ³⁸	18 ⁴¹	0 ²³	5 ⁴⁵	18 ⁴⁵	6 ⁵	1 ⁵	16 ³⁸	17 ⁴⁴	16 ⁵⁴	29 ²³	F 22
S 23	10 13 55	4 ⁵⁷ 05	23 ⁵⁵	17 ⁴²	0 ¹ 53	19 ²⁵	0 ³⁸	5 ⁴¹	18 ⁴⁷	6 ⁴	1 ⁶	16 ²⁸	17 ⁴¹	17 ⁰	29 ²⁷	S 23
S 24	10 17 52	5 ⁵⁷ 30	8 ⁰ Y51	19 ¹⁶	2 ⁸	20 ⁹	0 ⁵²	5 ³⁸	18 ⁴⁸	6 ³	1 ⁸	16 ²¹	17 ³⁷	17 ⁷	29 ³⁰	S 24
M 25	10 21 49	6 ⁵⁷ 54	23 ³⁸	20 ⁵²	3 ²³	20 ⁵³	1 ⁷	5 ³⁴	18 ⁵⁰	6 ³	1 ⁹	16 ¹⁶	17 ³⁴	17 ¹⁴	29 ³³	M 25
T 26	10 25 45	7 ⁵⁸ 16	8 ³ 10	22 ²⁸	4 ³⁸	21 ³⁷	1 ²¹	5 ³⁰	18 ⁵¹	6 ²	1 ¹¹	16 ¹⁵	17 ³¹	17 ²⁰	29 ³⁷	T 26
W 27	10 29 42	8 ⁵⁸ 36	22 ²⁵	24 ⁶	5 ⁵³	22 ²¹	1 ³⁵	5 ²⁶	18 ⁵³	6 ²	1 ¹²	16 ⁰ D14	17 ²⁸	17 ²⁷	29 ⁴⁰	W 27
T 28	10 33 38	9 ¹ 58'54	6 ¹ 19	25 ³⁸ 44	7 ³ 8	23 ³ 5	1 ¹ 50	5 ¹ 22	18 ⁵ 54	6 ³ 1	1 ⁰ Y13	16 ⁰ R15	17 ¹ 25	17 ¹ 34	29 ¹ 44	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	
F 1	16s59	20n 8	1s45	21s33	0n43	20s12	0s48	23s48	0s25	13s49	0s48	0s24	2n27	22s54	0s 1	22n14	1s 2	14s22	15s58	17s32	17s25	8s25	2n23	3n20				
S 2	16 42	20 27	2 48	21 34	0 33	19 56	0 50	23 48	0 26	13 44	0 48	0 23	2 28	22 55	0 1	22 14	1 2	14 21	15 58	17 31	17 24	8 27	2 24	3 19				
S 3	16 24	19 36	3 41	21 33	0 23	19 39	0 52	23 47	0 27	13 39	0 48	0 22	2 28	22 55	0 1	22 14	1 2	14 21	15 58	17 29	17 23	8 29	2 25	3 19				
M 4	16 7	17 43	4 21	21 32	0 14	19 22	0 54	23 46	0 28	13 34	0 48	0 21	2 28	22 55	0 1	22 14	1 2	14 20	15 57	17 27	17 22	8 31	2 26	3 19				
T 5	15 48	14 57	4 48	21 30	0 5	19 5	0 56	23 45	0 28	13 29	0 48	0 20	2 28	22 55	0 1	22 14	1 2	14 19	15 57	17 23	17 22	8 32	2 27	3 19				
W 6	15 30	11 31	4 59	21 26	0s 4	18 46	0 58	23 44	0 29	13 25	0 48	0 19	2 29	22 56	0 1	22 14	1 2	14 19	15 57	17 20	17 21	8 34	2 28	3 19				
T 7	15 11	7 39	4 56	21 21	0 13	18 28	1 0	23 42	0 30	13 20	0 48	0 18	2 29	22 56	0 1	22 15	1 2	14 18	15 57	17 16	17 20	8 36	2 29	3 19				
F 8	14 52	3 30	4 38	21 16	0 21	18 9	1 1	23 40	0 31	13 15	0 48	0 17	2 29	22 56	0 1	22 15	1 2	14 17	15 56	17 12	17 19	8 38	2 30	3 18				
S 9	14 33	0s42	4 9	21 9	0 29	17 49	1 3	23 38	0 31	13 10	0 48	0 16	2 29	22 56	0 1	22 15	1 2	14 17	15 56	17 9	17 18	8 40	2 31	3 18				
S 10	14 14	4 50	3 28	21 0	0 37	17 29	1 4	23 36	0 32	13 5	0 48	0 14	2 30	22 56	0 1	22 15	1 2	14 16	15 56	17 6	17 17	8 42	2 32	3 18				
M 11	13 54	8 44	2 38	20 51	0 45	17 8	1 6	23 33	0 33	13 0	0 48	0 13	2 30	22 57	0 1	22 15	1 2	14 15	15 56	17 4	17 16	8 44	2 33	3 18				
T 12	13 34	12 17	1 42	20 40	0 52	16 47	1 8	23 30	0 34	12 55	0 48	0 12	2 30	22 57	0 1	22 15	1 2	14 15	15 56	17 3	17 15	8 46	2 34	3 18				
W 13	13 14	15 21	0 42	20 28	0 59	16 25	1 9	23 27	0 34	12 50	0 48	0 11	2 30	22 57	0 1	22 15	1 2	14 14	15 55	17 3	17 15	8 48	2 35	3 18				
T 14	12 53	17 48	0n21	20 15	1 6	16 3	1 10	23 24	0 35	12 45	0 48	0 9	2 31	22 57	0 1	22 15	1 2	14 13	15 55	17 3	17 14	8 50	2 36	3 17				
F 15	12 33	19 29	1 24	20 0	1 12	15 40	1 12	23 20	0 36	12 40	0 48	0 8	2 31	22 57	0 1	22 15	1 2	14 12	15 55	17 3	17 13	8 51	2 37	3 17				
S 16	12 12	20 17	2 25	19 44	1 18	15 17	1 13	23 16	0 37	12 36	0 48	0 6	2 31	22 57	0 1	22 15	1 2	14 12	15 55	17 2	17 12	8 53	2 39	3 17				
S 17	11 51	20 5	3 20	19 27	1 24	14 54	1 14	23 12	0 37	12 31	0 48	0 5	2 31	22 58	0 1	22 15	1 2	14 11	15 55	17 2	17 11	8 55	2 40	3 17				
M 18	11 30	18 48	4 7	19 9	1 29	14 30	1 15	23 8	0 38	12 26	0 49	0 3	2 31	22 58	0 1	22 15	1 2	14 10	15 54	17 0	17 10	8 57	2 41	3 17				
T 19	11 9	16 25	4 41	18 49	1 35	14 5	1 17	23 3	0 39	12 21	0 49	0 2	2 32	22 58	0 1	22 16	1 2	14 10	15 54	16 58	17 9	8 59	2 42	3 17				
W 20	10 47	13 1	4 59	18 28	1 39	13 41	1 18	22 59	0 40	12 16	0 49	0 0	2 32	22 58	0 1	22 16	1 2	14 9	15 54	16 55	17 8	9 1	2 43	3 16				
T 21	10 25	8 45	4 59	18 6	1 44	13 16	1 19	22 54	0 41	12 10	0 49	0n 1	2 32	22 58	0 1	22 16	1 2	14 8	15 54	16 51	17 8	9 3	2 44	3 16				
F 22	10 3	3 53	4 39	17 43	1 48	12 50	1 19	22 49	0 41	12 5	0 49	0 3	2 32	22 58	0 1	22 16	1 2	14 8	15 54	16 48	17 7	9 5	2 45	3 16				
S 23	9 41	1n16	4 0	17 18	1 52	12 25	1 20	22 43	0 42	12 0	0 49	0 4	2 32	22 59	0 1	22 16	1 2	14 7	15 54	16 45	17 6	9 6	2 47	3 16				
S 24	9 19	6 20	3 5	16 52	1 56	11 59	1 21	22 38	0 43	11 55	0 49	0 6	2 33	22 59	0 1	22 16	1 2	14 6	15 54	16 43	17 5	9 8	2 48	3 16				
M 25	8 57	10 59	1 57	16 24	1 59	11 32	1 22	22 32	0 44	11 50	0 49	0 8	2 33	22 59	0 1	22 16	1 2	14 6	15 53	16 42	17 4	9 10	2 49	3 16				
T 26	8 35	14 54	0 43	15 56	2 1	11 5	1 23	22 26	0 45	11 45	0 49	0 9	2 33	22 59	0 1	22 16	1 1	14 5	15 53	16 41	17 3	9 12	2 50	3 16				
W 27	8 12	17 50	0s33	15 26	2 4	10 38	1 23	22 19	0 45	11 40	0 49	0 11	2 33	22 59	0 1	22 16	1 1	14 4	15 53	16 41	17 2	9 14	2 52	3 16				
T 28	7s49	19n38	1s45	14s55	2s 6	10s11	1s24	22s13	0s46	11s35	0s49	0n13	2n33	22s59	0s 1	22n16	1s 1	14s 4	15s53	16s41	17s 1	9s16	2n53	3n16				

ASTRODIENST EPHEMERIS for the year 2069

geocentric

MARCH 2069

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	10 37 35	10♌59°09	19♏55	27♌24	8♌23	23♌49	2♌4	5°R18	18♌55	6°R 0	1°V15	16°R15	17♏21	17♏40	29♌47	F 1
S 2	10 41 31	11°59'23	3♏14	29° 4	9°38	24°34	2°18	5♌14	18°56	6♏0	1°16	16♏12	17°18	17°47	29°50	S 2
S 3	10 45 28	12°59'35	16°17	0♌46	10°53	25°18	2°33	5°10	18°57	6° 0	1°18	16° 8	17°15	17°54	29°54	S 3
M 4	10 49 24	13°59'45	29° 7	2°28	12° 8	26° 2	2°47	5° 6	18°58	5°59	1°19	16° 1	17°12	18° 0	29°57	M 4
T 5	10 53 21	14°59'52	11♏45	4°12	13°23	26°46	3° 1	5° 1	18°59	5°59	1°21	15°51	17° 9	18° 7	0°V 1	T 5
W 6	10 57 18	15°59'58	24°13	5°56	14°38	27°31	3°16	4°57	19° 0	5°58	1°22	15°40	17° 6	18°14	0° 4	W 6
T 7	11 1 14	17° 0'01	6♏30	7°42	15°53	28°15	3°30	4°53	19° 1	5°58	1°24	15°29	17° 2	18°20	0° 8	T 7
F 8	11 5 11	18° 0'03	18°39	9°29	17° 8	28°59	3°44	4°48	19° 2	5°58	1°25	15°18	16°59	18°27	0°11	F 8
S 9	11 9 7	19° 0'03	0♌39	11°17	18°23	29°44	3°58	4°44	19° 3	5°57	1°26	15° 8	16°56	18°34	0°15	S 9
S 10	11 13 4	20° 0'01	12°33	13° 6	19°37	0♌28	4°12	4°40	19° 4	5°57	1°28	15° 1	16°53	18°40	0°18	S 10
M 11	11 17 0	20°59'57	24°22	14°56	20°52	1°13	4°27	4°35	19° 4	5°57	1°29	14°56	16°50	18°47	0°22	M 11
T 12	11 20 57	21°59'52	6♏10	16°47	22° 7	1°57	4°41	4°31	19° 5	5°57	1°31	14°54	16°47	18°54	0°25	T 12
W 13	11 24 53	22°59'44	17°58	18°40	23°22	2°42	4°55	4°26	19° 5	5°57	1°32	14°D53	16°43	19° 0	0°29	W 13
T 14	11 28 50	23°59'36	29°53	20°33	24°37	3°26	5° 9	4°21	19° 6	5°57	1°34	14°54	16°40	19° 7	0°32	T 14
F 15	11 32 46	24°59'25	11♌57	22°28	25°52	4°11	5°23	4°17	19° 6	5°56	1°35	14°55	16°37	19°14	0°36	F 15
S 16	11 36 43	25°59'13	24°18	24°24	27° 6	4°55	5°37	4°12	19° 7	5°D56	1°37	14°R56	16°34	19°20	0°39	S 16
S 17	11 40 40	26°58'59	6♌59	26°20	28°21	5°40	5°51	4° 7	19° 7	5°56	1°38	14°56	16°31	19°27	0°43	S 17
M 18	11 44 36	27°58'43	20° 4	28°18	29°36	6°24	6° 5	4° 3	19° 8	5°56	1°40	14°53	16°27	19°34	0°47	M 18
T 19	11 48 33	28°58'26	3♌39	0°V17	0°V51	7° 9	6°19	3°58	19° 8	5°57	1°41	14°49	16°24	19°40	0°50	T 19
W 20	11 52 29	29°58'07	17°42	2°16	2° 5	7°54	6°32	3°53	19° 8	5°57	1°43	14°43	16°21	19°47	0°54	W 20
T 21	11 56 26	0°V57'46	2♌13	4°16	3°20	8°38	6°46	3°49	19° 8	5°57	1°44	14°36	16°18	19°54	0°57	T 21
F 22	12 0 22	1°57'23	17° 6	6°16	4°35	9°23	7° 0	3°44	19° 8	5°57	1°46	14°30	16°15	20° 0	1° 1	F 22
S 23	12 4 19	2°56'58	2°V13	8°17	5°50	10° 8	7°14	3°39	19°R 8	5°57	1°47	14°24	16°12	20° 7	1° 4	S 23
S 24	12 8 15	3°56'31	17°25	10°18	7° 4	10°52	7°28	3°35	19° 8	5°57	1°49	14°19	16° 8	20°14	1° 8	S 24
M 25	12 12 12	4°56'02	2♌32	12°19	8°19	11°37	7°41	3°30	19° 8	5°58	1°50	14°17	16° 5	20°20	1°12	M 25
T 26	12 16 9	5°55'31	17°24	14°20	9°33	12°22	7°55	3°25	19° 8	5°58	1°52	14°D17	16° 2	20°27	1°15	T 26
W 27	12 20 5	6°54'58	1♏56	16°20	10°48	13° 7	8° 8	3°20	19° 8	5°58	1°54	14°18	15°59	20°33	1°19	W 27
T 28	12 24 2	7°54'22	16° 5	18°19	12° 3	13°52	8°22	3°16	19° 8	5°59	1°55	14°19	15°56	20°40	1°22	T 28
F 29	12 27 58	8°53'45	29°48	20°17	13°17	14°36	8°35	3°11	19° 8	5°59	1°57	14°20	15°52	20°47	1°26	F 29
S 30	12 31 55	9°53'04	13♌9	22°13	14°32	15°21	8°49	3° 6	19° 7	6° 0	1°58	14°R20	15°49	20°53	1°29	S 30
S 31	12 35 51	10°V52'22	26♏9	24°V 7	15°V46	16♌6	9♌2	3♌2	19♌7	6♏0	2°V 0	14♏19	15♏46	21♌0	1°V33	S 31

Day	☉	☽		♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
F 1	7s27	20n14	2s49	14s22	2s 7	9s44	1s24	22s 6	0s47	11s30	0s49	0n15	2n34	22s59	0s 1	22n16	1s 1	14s 3	15s53	16s41	17s 0	9s17	2n54	3n15	
S 2	7 4	19 40	3 43	13 48	2 9	9 16	1 25	21 59	0 48	11 25	0 49	0 16	2 34	22 59	0 1	22 16	1 1	14 2	15 53	16 41	16 59	9 19	2 55	3 15	
S 3	6 41	18 4	4 24	13 13	2 9	8 48	1 25	21 52	0 48	11 20	0 50	0 18	2 34	22 59	0 1	22 16	1 1	14 2	15 53	16 39	16 59	9 21	2 57	3 15	
M 4	6 18	15 35	4 51	12 37	2 10	8 19	1 26	21 44	0 49	11 15	0 50	0 20	2 34	23 0	0 1	22 16	1 1	14 1	15 53	16 37	16 58	9 23	2 58	3 15	
T 5	5 54	12 24	5 3	11 59	2 10	7 51	1 26	21 37	0 50	11 10	0 50	0 22	2 34	23 0	0 1	22 17	1 1	14 0	15 53	16 35	16 57	9 25	2 59	3 15	
W 6	5 31	8 43	5 1	11 20	2 9	7 22	1 26	21 29	0 51	11 5	0 50	0 24	2 34	23 0	0 1	22 17	1 1	14 0	15 52	16 31	16 56	9 27	3 0	3 15	
T 7	5 8	4 43	4 44	10 40	2 8	6 53	1 26	21 21	0 52	11 0	0 50	0 26	2 34	23 0	0 1	22 17	1 1	13 59	15 52	16 28	16 55	9 29	3 2	3 15	
F 8	4 45	0 35	4 15	9 58	2 7	6 24	1 26	21 12	0 52	10 55	0 50	0 27	2 35	23 0	0 1	22 17	1 1	13 58	15 52	16 25	16 54	9 30	3 3	3 15	
S 9	4 21	3s32	3 34	9 16	2 5	5 55	1 26	21 4	0 53	10 50	0 50	0 29	2 35	23 0	0 1	22 17	1 1	13 58	15 52	16 22	16 53	9 32	3 4	3 14	
S 10	3 58	7 29	2 45	8 32	2 3	5 26	1 26	20 55	0 54	10 45	0 50	0 31	2 35	23 0	0 1	22 17	1 1	13 57	15 52	16 20	16 52	9 34	3 6	3 14	
M11	3 34	11 7	1 48	7 46	2 0	4 56	1 26	20 46	0 55	10 39	0 50	0 33	2 35	23 0	0 1	22 17	1 1	13 57	15 52	16 19	16 51	9 36	3 7	3 14	
T 12	3 10	14 18	0 47	7 0	1 56	4 26	1 26	20 37	0 56	10 34	0 50	0 35	2 35	23 0	0 1	22 17	1 1	13 56	15 52	16 18	16 50	9 38	3 8	3 14	
W13	2 47	16 55	0n17	6 13	1 53	3 56	1 26	20 28	0 56	10 29	0 50	0 37	2 35	23 0	0 1	22 17	1 1	13 55	15 52	16 18	16 50	9 39	3 10	3 14	
T 14	2 23	18 49	1 20	5 24	1 48	3 27	1 25	20 18	0 57	10 24	0 51	0 39	2 35	23 0	0 1	22 17	1 1	13 55	15 52	16 18	16 49	9 41	3 11	3 14	
F 15	1 59	19 53	2 21	4 34	1 43	2 57	1 25	20 9	0 58	10 19	0 51	0 41	2 35	23 0	0 1	22 17	1 1	13 54	15 52	16 18	16 48	9 43	3 12	3 14	
S 16	1 36	20 2	3 17	3 43	1 38	2 26	1 24	19 59	0 59	10 14	0 51	0 42	2 35	23 0	0 1	22 17	1 1	13 53	15 52	16 19	16 47	9 45	3 14	3 14	
S 17	1 12	19 11	4 4	2 51	1 32	1 56	1 24	19 49	1 0	10 9	0 51	0 44	2 35	23 0	0 1	22 17	1 1	13 53	15 52	16 18	16 46	9 47	3 15	3 14	
M18	0 48	17 18	4 41	1 59	1 25	1 26	1 23	19 38	1 0	10 4	0 51	0 46	2 36	23 1	0 1	22 17	1 1	13 52	15 52	16 18	16 45	9 48	3 16	3 14	
T 19	0 24	14 25	5 3	1 5	1 18	0 56	1 23	19 28	1 1	9 59	0 51	0 48	2 36	23 1	0 2	22 17	1 1	13 52	15 52	16 17	16 44	9 50	3 18	3 14	
W20	0 1	10 37	5 9	0 11	1 10	0 25	1 22	19 17	1 2	9 54	0 51	0 50	2 36	23 1	0 2	22 17	1 1	13 51	15 52	16 15	16 43	9 52	3 19	3 14	
T 21	0n23	6 5	4 55	0n45	1 2	0n 5	1 21	19 6	1 3	9 49	0 51	0 52	2 36	23 1	0 2	22 17	1 0	13 50	15 52	16 13	16 42	9 54	3 20	3 14	
F 22	0 47	1 5	4 21	1 40	0 54	0 35	1 20	18 55	1 4	9 44	0 51	0 54	2 36	23 1	0 2	22 17	1 0	13 50	15 52	16 11	16 41	9 56	3 22	3 14	
S 23	1 10	4n 4	3 28	2 36	0 44	1 6	1 19	18 44	1 4	9 39	0 52	0 56	2 36	23 1	0 2	22 17	1 0	13 49	15 52	16 9	16 40	9 57	3 23	3 13	
S 24	1 34	9 0	2 21	3 33	0 35	1 36	1 19	18 33	1 5	9 34	0 52	0 58	2 36	23 1	0 2	22 17	1 0	13 49	15 52	16 8	16 40	9 59	3 24	3 13	
M25	1 58	13 20	1 4	4 30	0 24	2 6	1 18	18 21	1 6	9 29	0 52	1 0	2 36	23 1	0 2	22 17	1 0	13 48	15 52	16 7	16 39	10 1	3 26	3 13	
T 26	2 21	16 45	0s17	5 26	0 14	2 37	1 16	18 9	1 7	9 24	0 52	1 2	2 36	23 1	0 2	22 17	1 0	13 48	15 52	16 7	16 38	10 3	3 27	3 13	
W27	2 45	18 59	1 35	6 23	0 3	3 7	1 15	17 57	1 8	9 19	0 52	1 4	2 36	23 1	0 2	22 17	1 0	13 47	15 52	16 7	16 37	10 5	3 29	3 13	
T 28	3 8	19 58	2 45	7 18	0n 8	3 37	1 14	17 45	1 8	9 14	0 52	1 5	2 36	23 1	0 2	22 18	1 0	13 46	15 52	16 8	16 36	10 6	3 30	3 13	
F 29	3 31	19 43	3 43	8 14	0 20	4 7	1 13	17 33	1 9	9 9	0 52	1 7	2 36	23 1	0 2	22 18	1 0	13 46	15 52	16 8	16 35	10 8	3 31	3 13	
S 30	3 55	18 20	4 28	9 8	0 31	4 37	1 12	17 20	1 10	9 4	0 53	1 9	2 36	23 1	0 2	22 18	1 0	13 45	15 52	16 8	16 34	10 10	3 33	3 13	
S 31	4n18	16n 3	4s57	10n 1	0n43	5n 7	1s10	17s 8	1s11	9s 0	0s53	1n11	2n36	23s 1	0s 2	22n18	1s 0	13s45	15s52	16s 8	16s33	10s12	3n34	3n13	

ASTRODIENST EPHEMERIS for the year 2069

geocentric

APRIL 2069

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	12 39 48	11°51'37	8♂50	25°59	17°1	16°51	9♂15	2°R57	19°R 6	6♂ 1	2°Y 1	14°R17	15♂43	21♂ 7	1°Y36	M 1
T 2	12 43 44	12°50'50	21°17	27°48	18°15	17°36	9°29	2♂52	19°R 6	6° 1	2° 3	14♂13	15°40	21°13	1°40	T 2
W 3	12 47 41	13°50'00	3♂31	29°33	19°30	18°20	9°42	2°48	19° 5	6° 2	2° 4	14° 8	15°37	21°20	1°43	W 3
T 4	12 51 38	14°49'08	15°37	1♂15	20°44	19° 5	9°55	2°43	19° 5	6° 2	2° 5	14° 2	15°33	21°27	1°47	T 4
F 5	12 55 34	15°48'14	27°35	2°53	21°58	19°50	10° 8	2°39	19° 4	6° 3	2° 7	13°57	15°30	21°33	1°50	F 5
S 6	12 59 31	16°47'18	9♂27	4°26	23°13	20°35	10°21	2°34	19° 4	6° 4	2° 8	13°53	15°27	21°40	1°54	S 6
S 7	13 3 27	17°46'20	21°17	5°55	24°27	21°20	10°34	2°30	19° 3	6° 4	2°10	13°50	15°24	21°47	1°57	S 7
M 8	13 7 24	18°45'20	3♂ 5	7°19	25°42	22° 5	10°47	2°25	19° 2	6° 5	2°11	13°48	15°21	21°53	2° 1	M 8
T 9	13 11 20	19°44'18	14°54	8°38	26°56	22°50	11° 0	2°21	19° 1	6° 6	2°13	13°D48	15°18	22° 0	2° 4	T 9
W10	13 15 17	20°43'14	26°47	9°51	28°10	23°35	11°12	2°17	19° 0	6° 7	2°14	13°48	15°14	22° 7	2° 8	W10
T 11	13 19 13	21°42'09	8♂46	10°59	29°24	24°20	11°25	2°12	18°59	6° 7	2°16	13°50	15°11	22°13	2°11	T 11
F 12	13 23 10	22°41'01	20°55	12° 1	0♂39	25° 5	11°38	2° 8	18°59	6° 8	2°17	13°51	15° 8	22°20	2°14	F 12
S 13	13 27 6	23°39'52	3♂17	12°57	1°53	25°50	11°50	2° 4	18°58	6° 9	2°19	13°53	15° 5	22°27	2°18	S 13
S 14	13 31 3	24°38'41	15°58	13°47	3° 7	26°35	12° 3	2° 0	18°56	6°10	2°20	13°54	15° 2	22°33	2°21	S 14
M15	13 35 0	25°37'28	29° 0	14°30	4°21	27°20	12°15	1°55	18°55	6°11	2°21	13°R54	14°58	22°40	2°25	M15
T 16	13 38 56	26°36'14	12°26	15° 8	5°35	28° 5	12°27	1°51	18°54	6°12	2°23	13°53	14°55	22°47	2°28	T 16
W17	13 42 53	27°34'57	26°20	15°39	6°50	28°50	12°40	1°47	18°53	6°13	2°24	13°52	14°52	22°53	2°31	W17
T 18	13 46 49	28°33'40	10♂39	16° 5	8° 4	29°35	12°52	1°43	18°52	6°14	2°26	13°50	14°49	23° 0	2°34	T 18
F 19	13 50 46	29°32'20	25°22	16°24	9°18	0♂19	13° 4	1°39	18°50	6°15	2°27	13°48	14°46	23° 7	2°38	F 19
S 20	13 54 42	0♂30'59	10°Y23	16°36	10°32	1° 4	13°16	1°36	18°49	6°16	2°28	13°47	14°43	23°13	2°41	S 20
S 21	13 58 39	1°29'35	25°34	16°43	11°46	1°49	13°28	1°32	18°48	6°17	2°30	13°46	14°39	23°20	2°44	S 21
M22	14 2 35	2°28'10	10♂45	16°R44	13° 0	2°34	13°40	1°28	18°46	6°19	2°31	13°D45	14°36	23°27	2°47	M22
T 23	14 6 32	3°26'43	25°48	16°39	14°14	3°19	13°52	1°24	18°45	6°20	2°32	13°45	14°33	23°33	2°51	T 23
W24	14 10 29	4°25'15	10♂32	16°28	15°28	4° 4	14° 3	1°21	18°43	6°21	2°34	13°46	14°30	23°40	2°54	W24
T 25	14 14 25	5°23'44	24°54	16°12	16°42	4°49	14°15	1°17	18°42	6°22	2°35	13°47	14°27	23°47	2°57	T 25
F 26	14 18 22	6°22'11	8♂50	15°52	17°56	5°34	14°26	1°14	18°40	6°24	2°36	13°47	14°23	23°53	3° 0	F 26
S 27	14 22 18	7°20'35	22°19	15°27	19°10	6°19	14°38	1°11	18°39	6°25	2°38	13°48	14°20	24° 0	3° 3	S 27
S 28	14 26 15	8°18'58	5♂23	14°58	20°24	7° 4	14°49	1° 7	18°37	6°26	2°39	13°R48	14°17	24° 6	3° 6	S 28
M29	14 30 11	9°17'19	18° 4	14°26	21°38	7°49	15° 0	1° 4	18°35	6°28	2°40	13°48	14°14	24°13	3° 9	M29
T 30	14 34 8	10♂15'37	0♂28	13♂52	22♂52	8♂34	15♂11	1♂ 1	18♂34	6♂29	2°Y41	13♂48	14♂11	24♂20	3°Y12	T 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	4n41	13n 2	5s11	10n53	0n55	5n37	1s 9	16s55	1s12	8s55	0s53	1n13	2n36	23s 1	0s 2	22n18
T 2	5 4	9 30	5 10	11 44	1 7	6 7	1 8	16 42	1 12	8 50	0 53	1 15	2 36	23 1	0 2	22 18
W 3	5 27	5 37	4 55	12 32	1 19	6 36	1 6	16 29	1 13	8 45	0 53	1 16	2 36	23 1	0 2	22 18
T 4	5 50	1 34	4 27	13 19	1 30	7 6	1 4	16 16	1 14	8 40	0 53	1 18	2 36	23 0	0 2	22 18
F 5	6 13	2s31	3 47	14 3	1 41	7 35	1 3	16 2	1 15	8 35	0 53	1 20	2 36	23 0	0 2	22 18
S 6	6 36	6 28	2 58	14 45	1 52	8 4	1 1	15 49	1 15	8 31	0 54	1 22	2 36	23 0	0 2	22 18
S 7	6 58	10 10	2 1	15 24	2 2	8 33	1 0	15 35	1 16	8 26	0 54	1 24	2 36	23 0	0 2	22 18
M 8	7 21	13 27	0 59	16 1	2 12	9 2	0 58	15 21	1 17	8 21	0 54	1 25	2 36	23 0	0 2	22 18
T 9	7 43	16 12	0n 6	16 35	2 20	9 30	0 56	15 7	1 18	8 16	0 54	1 27	2 36	23 0	0 2	22 18
W10	8 5	18 17	1 11	17 7	2 29	9 58	0 54	14 53	1 19	8 12	0 54	1 29	2 36	23 0	0 2	22 18
T 11	8 27	19 33	2 14	17 35	2 36	10 27	0 52	14 39	1 19	8 7	0 54	1 30	2 36	23 0	0 2	22 18
F 12	8 49	19 57	3 11	18 1	2 42	10 54	0 50	14 25	1 20	8 2	0 54	1 32	2 36	23 0	0 2	22 18
S 13	9 11	19 23	4 1	18 23	2 48	11 22	0 48	14 10	1 21	7 58	0 55	1 34	2 36	23 0	0 2	22 18
S 14	9 33	17 51	4 40	18 43	2 53	11 49	0 46	13 56	1 22	7 53	0 55	1 35	2 35	23 0	0 2	22 18
M15	9 54	15 21	5 6	18 59	2 56	12 16	0 44	13 41	1 22	7 48	0 55	1 37	2 35	23 0	0 2	22 18
T 16	10 15	12 0	5 16	19 12	2 58	12 43	0 42	13 26	1 23	7 44	0 55	1 38	2 35	23 0	0 2	22 18
W17	10 37	7 53	5 9	19 23	2 59	13 9	0 40	13 11	1 24	7 39	0 55	1 40	2 35	23 0	0 2	22 18
T 18	10 58	3 12	4 43	19 30	2 59	13 35	0 38	12 56	1 25	7 35	0 55	1 41	2 35	23 0	0 2	22 18
F 19	11 18	1n47	3 57	19 34	2 58	14 1	0 36	12 41	1 25	7 30	0 56	1 43	2 35	22 59	0 2	22 18
S 20	11 39	6 47	2 55	19 35	2 55	14 26	0 34	12 26	1 26	7 26	0 56	1 44	2 35	22 59	0 2	22 18
S 21	11 59	11 25	1 39	19 33	2 51	14 52	0 31	12 10	1 27	7 22	0 56	1 46	2 35	22 59	0 2	22 18
M22	12 19	15 19	0 17	19 28	2 46	15 16	0 29	11 55	1 27	7 17	0 56	1 47	2 35	22 59	0 2	22 18
T 23	12 39	18 7	1s 6	19 20	2 39	15 40	0 27	11 39	1 28	7 13	0 56	1 48	2 35	22 59	0 2	22 18
W24	12 59	19 39	2 23	19 9	2 30	16 4	0 25	11 23	1 29	7 8	0 56	1 50	2 34	22 59	0 2	22 18
T 25	13 19	19 51	3 29	18 56	2 21	16 28	0 22	11 8	1 30	7 4	0 57	1 51	2 34	22 59	0 2	22 18
F 26	13 38	18 48	4 21	18 39	2 10	16 51	0 20	10 52	1 30	7 0	0 57	1 52	2 34	22 59	0 2	22 18
S 27	13 57	16 43	4 56	18 21	1 58	17 14	0 18	10 36	1 31	6 56	0 57	1 53	2 34	22 59	0 2	22 18
S 28	14 16	13 50	5 14	18 0	1 45	17 36	0 15	10 20	1 32	6 51	0 57	1 54	2 34	22 58	0 2	22 17
M29	14 35	10 22	5 17	17 36	1 31	17 58	0 13	10 4	1 32	6 47	0 57	1 56	2 34	22 58	0 2	22 17
T 30	14n53	6n33	5s 5	17n12	1n16	18n19	0s10	9s48	1s33	6s43	0s58	1n57	2n34	22s58	0s 2	22n17

Julian Day Number = 2476837.5, Delta T = 80.74 sec

Ecliptic obliquity = 23°25'43, Nutation = 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°42'28, Lahiri = 24°49'28

ASTRODIENST EPHEMERIS for the year 2069
geocentric

MAY 2069

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	14 38 4	11°13'53	12°17'37	13°R15	24°8 6	9°H19	15°H22	0°R58	18°R32	6°S30	2°V43	13°R48	14°M 8	24°A26	3°V15	W 1
T 2	14 42 1	12°12'08	24°36	12°B37	25°19	10° 4	15°33	0°A55	18°A30	6°32	2°44	13°M47	14° 4	24°33	3°18	T 2
F 3	14 45 58	13°10'20	6°A27	11°58	26°33	10°49	15°44	0°52	18°28	6°33	2°45	13°47	14° 1	24°40	3°21	F 3
S 4	14 49 54	14° 8'30	18°16	11°20	27°47	11°34	15°55	0°49	18°26	6°35	2°46	13°D47	13°58	24°46	3°24	S 4
S 5	14 53 51	15° 6'39	0°M 4	10°42	29° 1	12°18	16° 6	0°47	18°24	6°36	2°47	13°47	13°55	24°53	3°27	S 5
M 6	14 57 47	16° 4'46	11°54	10° 5	0°II14	13° 3	16°16	0°44	18°23	6°38	2°49	13°R47	13°52	25° 0	3°30	M 6
T 7	15 1 44	17° 2'51	23°48	9°31	1°28	13°48	16°27	0°41	18°21	6°39	2°50	13°47	13°49	25° 6	3°32	T 7
W 8	15 5 40	18° 0'55	5°A49	8°59	2°42	14°33	16°37	0°39	18°19	6°41	2°51	13°47	13°45	25°13	3°35	W 8
T 9	15 9 37	18°58'57	17°59	8°30	3°55	15°18	16°47	0°37	18°17	6°43	2°52	13°47	13°42	25°20	3°38	T 9
F 10	15 13 33	19°56'58	0°B19	8° 5	5° 9	16° 3	16°57	0°34	18°15	6°44	2°53	13°46	13°39	25°26	3°40	F 10
S 11	15 17 30	20°54'57	12°51	7°43	6°23	16°47	17° 7	0°32	18°12	6°46	2°54	13°45	13°36	25°33	3°43	S 11
S 12	15 21 27	21°52'54	25°39	7°26	7°36	17°32	17°17	0°30	18°10	6°48	2°55	13°44	13°33	25°40	3°46	S 12
M13	15 25 23	22°50'51	8°A44	7°13	8°50	18°17	17°27	0°28	18° 8	6°49	2°56	13°43	13°29	25°46	3°48	M13
T 14	15 29 20	23°48'46	22° 8	7° 4	10° 3	19° 2	17°36	0°26	18° 6	6°51	2°57	13°D43	13°26	25°53	3°51	T 14
W15	15 33 16	24°46'40	5°H54	7°D 0	11°17	19°46	17°46	0°24	18° 4	6°53	2°58	13°43	13°23	26° 0	3°53	W15
T 16	15 37 13	25°44'33	20° 0	7° 0	12°30	20°31	17°55	0°23	18° 2	6°54	2°59	13°44	13°20	26° 6	3°56	T 16
F 17	15 41 9	26°42'24	4°V26	7° 5	13°44	21°16	18° 5	0°21	17°59	6°56	3° 0	13°45	13°17	26°13	3°58	F 17
S 18	15 45 6	27°40'15	19° 9	7°15	14°57	22° 0	18°14	0°20	17°57	6°58	3° 1	13°46	13°14	26°20	4° 1	S 18
S 19	15 49 2	28°38'04	4°B 4	7°29	16°11	22°45	18°23	0°18	17°55	7° 0	3° 2	13°47	13°10	26°26	4° 3	S 19
M20	15 52 59	29°35'52	19° 3	7°48	17°24	23°30	18°32	0°17	17°53	7° 2	3° 3	13°R47	13° 7	26°33	4° 5	M20
T 21	15 56 56	0°II33'38	3°II58	8°11	18°38	24°14	18°41	0°16	17°50	7° 4	3° 4	13°46	13° 4	26°39	4° 8	T 21
W22	16 0 52	1°31'24	18°43	8°38	19°51	24°59	18°49	0°15	17°48	7° 5	3° 5	13°44	13° 1	26°46	4°10	W22
T 23	16 4 49	2°29'07	3°S 8	9° 9	21° 4	25°43	18°58	0°14	17°46	7° 7	3° 6	13°42	12°58	26°53	4°12	T 23
F 24	16 8 45	3°26'50	17°10	9°45	22°18	26°27	19° 6	0°13	17°43	7° 9	3° 7	13°40	12°55	26°59	4°14	F 24
S 25	16 12 42	4°24'31	0°L46	10°24	23°31	27°12	19°14	0°12	17°41	7°11	3° 8	13°37	12°51	27° 6	4°17	S 25
S 26	16 16 38	5°22'10	13°56	11° 7	24°44	27°56	19°22	0°11	17°39	7°13	3° 8	13°35	12°48	27°13	4°19	S 26
M27	16 20 35	6°19'48	26°41	11°54	25°58	28°41	19°30	0°11	17°36	7°15	3° 9	13°34	12°45	27°19	4°21	M27
T 28	16 24 31	7°17'24	9°M 6	12°45	27°11	29°25	19°38	0°10	17°34	7°17	3°10	13°D33	12°42	27°26	4°23	T 28
W29	16 28 28	8°14'59	21°15	13°38	28°24	0°V 9	19°46	0°10	17°31	7°19	3°11	13°34	12°39	27°33	4°25	W29
T 30	16 32 25	9°12'32	3°A12	14°36	29°37	0°S3	19°53	0° 9	17°29	7°21	3°12	13°35	12°35	27°39	4°27	T 30
F 31	16 36 21	10°II10'05	15°A 2	15°B36	0°S50	1°V37	20°H 1	0°A 9	17°A26	7°S23	3°V12	13°M37	12°M32	27°A46	4°V28	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
W 1	15n12	2n32	4s39	16n45	1n 0	18n40	0s 8	9s31	1s34	6s39	0s58	1n58	2n33	22s58	0s 2	22n17	0s59	13s32	15s57	15s58	16s 4	11s 5	4n15	3n13	
T 2	15 29	1s32	4 1	16 18	0 43	19 0	0 5	9 15	1 34	6 35	0 58	1 59	2 33	22 58	0 2	22 17	0 59	13 32	15 57	15 58	16 3	11 7	4 16	3 13	
F 3	15 47	5 31	3 13	15 50	0 26	19 20	0 3	8 59	1 35	6 31	0 58	2 0	2 33	22 58	0 2	22 17	0 59	13 32	15 57	15 58	16 2	11 8	4 17	3 13	
S 4	16 5	9 16	2 17	15 22	0 9	19 39	0 0	8 42	1 36	6 27	0 58	2 1	2 33	22 58	0 2	22 17	0 59	13 31	15 58	15 58	16 1	11 10	4 18	3 13	
S 5	16 22	12 40	1 16	14 54	0s 8	19 58	0n 2	8 25	1 36	6 23	0 59	2 2	2 33	22 57	0 2	22 17	0 59	13 31	15 58	15 58	16 0	11 12	4 20	3 13	
M 6	16 39	15 34	0 11	14 26	0 26	20 16	0 5	8 9	1 37	6 19	0 59	2 3	2 33	22 57	0 2	22 17	0 59	13 31	15 58	15 58	16 0	11 13	4 21	3 14	
T 7	16 55	17 49	0n55	13 59	0 43	20 34	0 7	7 52	1 38	6 15	0 59	2 3	2 32	22 57	0 2	22 17	0 59	13 31	15 58	15 58	15 59	11 15	4 22	3 14	
W 8	17 11	19 18	1 59	13 33	1 0	20 51	0 10	7 36	1 38	6 11	0 59	2 4	2 32	22 57	0 2	22 17	0 59	13 30	15 59	15 58	15 58	11 17	4 23	3 14	
T 9	17 27	19 55	2 59	13 8	1 16	21 7	0 12	7 19	1 39	6 8	0 59	2 5	2 32	22 57	0 2	22 17	0 59	13 30	15 59	15 58	15 57	11 18	4 24	3 14	
F 10	17 43	19 35	3 51	12 45	1 31	21 23	0 15	7 2	1 40	6 4	1 0	2 6	2 32	22 57	0 2	22 17	0 58	13 30	15 59	15 58	15 56	11 20	4 25	3 14	
S 11	17 59	18 17	4 33	12 24	1 46	21 39	0 17	6 45	1 40	6 0	1 0	2 6	2 32	22 56	0 2	22 17	0 58	13 30	15 59	15 58	15 55	11 22	4 27	3 14	
S 12	18 14	16 3	5 2	12 5	2 0	21 54	0 20	6 28	1 41	5 57	1 0	2 7	2 32	22 56	0 2	22 17	0 58	13 30	16 0	15 57	15 54	11 23	4 28	3 14	
M13	18 29	12 59	5 16	11 48	2 14	22 8	0 22	6 11	1 41	5 53	1 0	2 8	2 31	22 56	0 2	22 17	0 58	13 29	16 0	15 57	15 53	11 25	4 29	3 14	
T 14	18 43	9 10	5 14	11 34	2 26	22 21	0 25	5 54	1 42	5 49	1 1	2 8	2 31	22 56	0 2	22 17	0 58	13 29	16 0	15 57	15 52	11 27	4 30	3 14	
W15	18 57	4 47	4 54	11 22	2 37	22 34	0 27	5 37	1 43	5 46	1 1	2 9	2 31	22 56	0 2	22 17	0 58	13 29	16 0	15 57	15 51	11 28	4 31	3 14	
T 16	19 11	0 2	4 16	11 12	2 47	22 46	0 30	5 20	1 43	5 42	1 1	2 9	2 31	22 56	0 2	22 17	0 58	13 29	16 1	15 57	15 50	11 30	4 32	3 14	
F 17	19 25	4n50	3 21	11 5	2 57	22 58	0 32	5 3	1 44	5 39	1 1	2 10	2 31	22 55	0 2	22 17	0 58	13 29	16 1	15 58	15 49	11 32	4 33	3 14	
S 18	19 38	9 32	2 12	11 1	3 5	23 9	0 34	4 46	1 44	5 36	1 1	2 10	2 30	22 55	0 2	22 17	0 58	13 29	16 1	15 58	15 48	11 33	4 34	3 14	
S 19	19 51	13 42	0 54	10 58	3 12	23 19	0 37	4 29	1 45	5 32	1 2	2 11	2 30	22 55	0 2	22 16	0 58	13 29	16 2	15 58	15 47	11 35	4 35	3 14	
M20	20 3	17 0	0s29	10 58	3 18	23 29	0 39	4 12	1 45	5 29	1 2	2 11	2 30	22 55	0 2	22 16	0 58	13 29	16 2	15 58	15 46	11 36	4 36	3 15	
T 21	20 16	19 8	1 50	11 1	3 24	23 38	0 42	3 55	1 46	5 26	1 2	2 11	2 30	22 55	0 2	22 16	0 58	13 29	16 2	15 58	15 45	11 38	4 37	3 15	
W22	20 27	19 56	3 1	11 5	3 28	23 46	0 44	3 37	1 46	5 23	1 2	2 11	2 30	22 54	0 2	22 16	0 58	13 28	16 3	15 57	15 44	11 40	4 38	3 15	
T 23	20 39	19 23	4 0	11 12	3 31	23 54	0 46	3 20	1 47	5 20	1 3	2 12	2 29	22 54	0 2	22 16	0 58	13 28	16 3	15 57	15 43	11 41	4 39	3 15	
F 24	20 50	17 39	4 43	11 21	3 34	24 1	0 49	3 3	1 48	5 17	1 3	2 12	2 29	22 54	0 2	22 16	0 58	13 28	16 3	15 56	15 42	11 43	4 40	3 15	
S 25	21 1	14 58	5 8	11 31	3 35	24 7	0 51	2 46	1 48	5 14	1 3	2 12	2 29	22 54	0 2	22 16	0 58	13 28	16 4	15 55	15 41	11 45	4 41	3 15	
S 26	21 11	11 36	5 16	11 44	3 36	24 13	0 53	2 29	1 49	5 11	1 3	2 12	2 29	22 54	0 2	22 16	0 58	13 28	16 4	15 55	15 40	11 46	4 42	3 15	
M27	21 21	7 47	5 7	11 58	3 36	24 17	0 55	2 12	1 49	5 8	1 4	2 12	2 29	22 53	0 2	22 16	0 58	13 28	16 4	15 54	15 39	11 48	4 43	3 15	
T 28	21 31	3 45	4 45	12 14	3 35	24 22	0 58	1 54	1 50	5 5	1 4	2 12	2 28	22 53	0 2	22 16	0 58	13 28	16 5	15 54	15 39	11 49	4 43	3 15	
W29	21 40	0s22	4 10	12 32	3 34	24 25	1 0	1 37	1 50	5 2	1 4	2 12	2 28	22 53	0 2	22 16	0 58	13 28	16 5	15 54	15 38	11 51	4 44	3 15	
T 30	21 49	4 24	3 25	12 51	3 31	24 28	1 2	1 20	1 50	4 59	1 4	2 12	2 28	22 53	0 2	22 16	0 58	13 28	16 5	15 55	15 37	11 53	4 45	3 15	
F 31	21n58	8s14	2s31	13n11	3s28	24n30	1n 4	1s 3	1s51	4s57	1s 5	2n12	2n28	22s52	0s 2	22n16	0s58	13s28	16s 6	15s55	15s36	11s54	4n46	3n15	

Julian Day Number = 2476867.5, Delta T = 80.77 sec
Ecliptic obliquity = 23°25'42, Nutation = 0°00'11, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°42'32, Lahiri = 24°49'32

ASTRODIENST EPHEMERIS for the year 2069

geocentric

JUNE 2069

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 40 18	11 ^{II} 7'35	26 [♂] 49	16 [♂] 40	2 [♂] 4	2 [♂] 21	20 [♂] 8	0°D 9	17°R24	7 [♂] 25	3 [♂] 13	13 [♂] 39	12 [♂] 29	27 [♂] 53	4 [♂] 30	S 1
S 2	16 44 14	12° 5'05	8 [♂] 38	17°47	3°17	3° 6	20°15	0 [♂] 9	17 [♂] 22	7°27	3°14	13°R40	12°26	27°59	4°32	S 2
M 3	16 48 11	13° 2'33	20°33	18°57	4°30	3°50	20°22	0° 9	17°19	7°29	3°14	13°39	12°23	28° 6	4°34	M 3
T 4	16 52 7	14° 0'01	2 [♂] 35	20°10	5°43	4°33	20°29	0° 9	17°17	7°31	3°15	13°38	12°20	28°13	4°35	T 4
W 5	16 56 4	14°57'27	14°48	21°26	6°56	5°17	20°36	0°10	17°14	7°33	3°16	13°35	12°16	28°19	4°37	W 5
T 6	17 0 0	15°54'53	27°12	22°45	8° 9	6° 1	20°42	0°10	17°12	7°35	3°16	13°31	12°13	28°26	4°39	T 6
F 7	17 3 57	16°52'17	9 [♂] 49	24° 7	9°22	6°45	20°48	0°11	17° 9	7°38	3°17	13°25	12°10	28°33	4°40	F 7
S 8	17 7 54	17°49'41	22°40	25°31	10°35	7°29	20°55	0°11	17° 7	7°40	3°17	13°20	12° 7	28°39	4°42	S 8
S 9	17 11 50	18°47'04	5 [♂] 43	26°59	11°48	8°13	21° 1	0°12	17° 4	7°42	3°18	13°15	12° 4	28°46	4°43	S 9
M10	17 15 47	19°44'26	19° 1	28°29	13° 0	8°56	21° 7	0°13	17° 2	7°44	3°18	13°10	12° 1	28°52	4°45	M10
T 11	17 19 43	20°41'48	2 [♂] 32	0 ^{II} 2	14°13	9°40	21°12	0°14	16°59	7°46	3°19	13° 7	11°57	28°59	4°46	T 11
W12	17 23 40	21°39'09	16°17	1°38	15°26	10°23	21°18	0°15	16°57	7°48	3°19	13°D 6	11°54	29° 6	4°47	W12
T 13	17 27 36	22°36'30	0 [♂] 16	3°17	16°39	11° 7	21°23	0°16	16°54	7°50	3°20	13° 6	11°51	29°12	4°49	T 13
F 14	17 31 33	23°33'50	14°28	4°58	17°52	11°50	21°28	0°17	16°52	7°53	3°20	13° 7	11°48	29°19	4°50	F 14
S 15	17 35 29	24°31'11	28°51	6°42	19° 5	12°34	21°33	0°18	16°49	7°55	3°21	13° 8	11°45	29°26	4°51	S 15
S 16	17 39 26	25°28'30	13 [♂] 23	8°29	20°17	13°17	21°38	0°20	16°47	7°57	3°21	13°R 9	11°41	29°32	4°52	S 16
M17	17 43 23	26°25'50	28° 0	10°18	21°30	14° 0	21°43	0°21	16°45	7°59	3°21	13° 8	11°38	29°39	4°53	M17
T 18	17 47 19	27°23'09	12 ^{II} 36	12°10	22°43	14°43	21°48	0°23	16°42	8° 1	3°22	13° 5	11°35	29°46	4°54	T 18
W19	17 51 16	28°20'27	27° 5	14° 4	23°55	15°26	21°52	0°25	16°40	8° 4	3°22	13° 0	11°32	29°52	4°55	W19
T 20	17 55 12	29°17'45	11 [♂] 21	16° 1	25° 8	16° 9	21°56	0°27	16°37	8° 6	3°22	12°54	11°29	29°59	4°56	T 20
F 21	17 59 9	0 [♂] 15'03	25°18	18° 0	26°21	16°52	22° 0	0°28	16°35	8° 8	3°23	12°46	11°26	0 [♂] 6	4°57	F 21
S 22	18 3 5	1°12'19	8 [♂] 52	20° 2	27°33	17°35	22° 4	0°30	16°33	8°10	3°23	12°39	11°22	0°12	4°58	S 22
S 23	18 7 2	2° 9'35	22° 2	22° 5	28°46	18°18	22° 8	0°33	16°30	8°12	3°23	12°32	11°19	0°19	4°59	S 23
M24	18 10 58	3° 6'51	4 [♂] 50	24°10	29°58	19° 1	22°11	0°35	16°28	8°15	3°23	12°26	11°16	0°26	4°59	M24
T 25	18 14 55	4° 4'06	17°16	26°17	1 [♂] 11	19°43	22°14	0°37	16°26	8°17	3°24	12°23	11°13	0°32	5° 0	T 25
W26	18 18 52	5° 1'20	29°25	28°25	2°23	20°26	22°17	0°39	16°23	8°19	3°24	12°21	11°10	0°39	5° 1	W26
T 27	18 22 48	5°58'34	11 [♂] 23	0 [♂] 34	3°36	21° 8	22°20	0°42	16°21	8°21	3°24	12°D21	11° 7	0°45	5° 1	T 27
F 28	18 26 45	6°55'47	23°13	2°45	4°48	21°50	22°23	0°45	16°19	8°24	3°24	12°22	11° 3	0°52	5° 2	F 28
S 29	18 30 41	7°52'59	5 [♂] 1	4°55	6° 0	22°33	22°25	0°47	16°17	8°26	3°24	12°23	11° 0	0°59	5° 2	S 29
S 30	18 34 38	8 [♂] 50'12	16 [♂] 53	7 [♂] 6	7 [♂] 13	23 [♂] 15	22 [♂] 28	0 [♂] 50	16 [♂] 14	8 [♂] 28	3 [♂] 24	12°R23	10 [♂] 57	1 [♂] 5	5 [♂] 2	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 6	11s45	1s31	13n33	3s24	24n31	1n 6	0s46	1s51	4s54	1s 5	2n12	2n27	22s52	0s 2	22n15	0s58	13s28	16s 6	15s56	15s35	11s56	4n47	3n16	
S 2	22 14	14 49	0 28	13 56	3 20	24 31	1 8	0 29	1 52	4 52	1 5	2 11	2 27	22 52	0 2	22 15	0 58	13 28	16 6	15 56	15 34	11 57	4 48	3 16	
M 3	22 21	17 16	0n38	14 20	3 15	24 31	1 10	0 12	1 52	4 49	1 5	2 11	2 27	22 52	0 2	22 15	0 58	13 28	16 7	15 56	15 33	11 59	4 48	3 16	
T 4	22 28	19 0	1 42	14 45	3 9	24 30	1 12	0n 5	1 53	4 47	1 6	2 11	2 27	22 52	0 2	22 15	0 58	13 28	16 7	15 55	15 32	12 0	4 49	3 16	
W 5	22 35	19 52	2 42	15 10	3 2	24 29	1 14	0 22	1 53	4 44	1 6	2 11	2 27	22 51	0 2	22 15	0 58	13 29	16 7	15 55	15 31	12 2	4 50	3 16	
T 6	22 41	19 48	3 36	15 37	2 56	24 26	1 16	0 39	1 53	4 42	1 6	2 10	2 26	22 51	0 2	22 15	0 58	13 29	16 8	15 53	15 30	12 4	4 51	3 16	
F 7	22 47	18 45	4 20	16 4	2 48	24 23	1 18	0 56	1 54	4 40	1 7	2 10	2 26	22 51	0 2	22 15	0 58	13 29	16 8	15 52	15 29	12 5	4 51	3 16	
S 8	22 52	16 44	4 52	16 32	2 40	24 20	1 19	1 13	1 54	4 37	1 7	2 9	2 26	22 51	0 2	22 15	0 58	13 29	16 8	15 50	15 28	12 7	4 52	3 16	
S 9	22 57	13 50	5 9	17 1	2 32	24 15	1 21	1 30	1 55	4 35	1 7	2 9	2 26	22 50	0 2	22 15	0 58	13 29	16 9	15 48	15 27	12 8	4 53	3 16	
M10	23 2	10 12	5 10	17 29	2 23	24 10	1 23	1 47	1 55	4 33	1 7	2 8	2 25	22 50	0 2	22 15	0 58	13 29	16 9	15 47	15 26	12 10	4 53	3 16	
T 11	23 6	6 0	4 54	17 58	2 14	24 4	1 24	2 4	1 55	4 31	1 8	2 8	2 25	22 50	0 2	22 14	0 58	13 29	16 9	15 46	15 25	12 11	4 54	3 17	
W12	23 10	1 24	4 21	18 27	2 4	23 57	1 26	2 20	1 56	4 29	1 8	2 7	2 25	22 50	0 2	22 14	0 58	13 29	16 10	15 46	15 24	12 13	4 55	3 17	
T 13	23 13	3n21	3 32	18 56	1 54	23 50	1 27	2 37	1 56	4 27	1 8	2 7	2 25	22 49	0 2	22 14	0 58	13 30	16 10	15 46	15 23	12 15	4 55	3 17	
F 14	23 16	8 0	2 30	19 25	1 43	23 42	1 29	2 54	1 56	4 26	1 8	2 6	2 25	22 49	0 2	22 14	0 58	13 30	16 10	15 46	15 22	12 16	4 56	3 17	
S 15	23 19	12 16	1 17	19 54	1 33	23 33	1 30	3 10	1 56	4 24	1 9	2 5	2 24	22 49	0 2	22 14	0 58	13 30	16 11	15 46	15 21	12 18	4 56	3 17	
S 16	23 21	15 50	0s 1	20 22	1 22	23 24	1 31	3 27	1 57	4 22	1 9	2 4	2 24	22 49	0 2	22 14	0 58	13 30	16 11	15 47	15 20	12 19	4 57	3 17	
M17	23 23	18 25	1 20	20 49	1 11	23 14	1 33	3 43	1 57	4 21	1 9	2 4	2 24	22 49	0 2	22 14	0 58	13 30	16 12	15 46	15 19	12 21	4 57	3 17	
T 18	23 24	19 46	2 33	21 16	0 59	23 3	1 34	4 0	1 57	4 19	1 10	2 3	2 24	22 48	0 2	22 14	0 58	13 30	16 12	15 46	15 18	12 22	4 58	3 17	
W19	23 25	19 49	3 35	21 41	0 48	22 52	1 35	4 16	1 58	4 18	1 10	2 2	2 23	22 48	0 3	22 14	0 58	13 31	16 12	15 44	15 17	12 24	4 58	3 17	
T 20	23 26	18 35	4 23	22 5	0 37	22 40	1 36	4 32	1 58	4 16	1 10	2 1	2 23	22 48	0 3	22 13	0 57	13 31	16 13	15 42	15 16	12 25	4 59	3 18	
F 21	23 26	16 15	4 54	22 28	0 25	22 28	1 37	4 49	1 58	4 15	1 10	2 0	2 23	22 48	0 3	22 13	0 57	13 31	16 13	15 40	15 15	12 27	4 59	3 18	
S 22	23 25	13 5	5 7	22 49	0 14	22 14	1 38	5 5	1 58	4 14	1 11	1 59	2 23	22 47	0 3	22 13	0 57	13 31	16 13	15 38	15 14	12 28	5 0	3 18	
S 23	23 25	9 22	5 4	23 9	0 3	22 1	1 39	5 21	1 58	4 13	1 11	1 58	2 23	22 47	0 3	22 13	0 57	13 32	16 14	15 35	15 13	12 30	5 0	3 18	
M24	23 23	5 19	4 45	23 26	0n 8	21 46	1 39	5 37	1 59	4 12	1 11	1 57	2 22	22 47	0 3	22 13	0 57	13 32	16 14	15 34	15 12	12 31	5 1	3 18	
T 25	23 22	1 8	4 13	23 42	0 19	21 31	1 40	5 53	1 59	4 11	1 12	1 56	2 22	22 47	0 3	22 13	0 57	13 32	16 15	15 33	15 11	12 33	5 1	3 18	
W26	23 20	2s59	3 30	23 55	0 29	21 15	1 41	6 8	1 59	4 10	1 12	1 55	2 22	22 47	0 3	22 13	0 57	13 32	16 15	15 32	15 10	12 35	5 1	3 18	
T 27	23 18	6 56	2 39	24 5	0 39	20 59	1 41	6 24	1 59	4 9	1 12	1 53	2 22	22 46	0 3	22 13	0 57	13 33	16 15	15 32	15 9	12 36	5 2	3 18	
F 28	23 15	10 35	1 41	24 13	0 49	20 42	1 42	6 40	1 59	4 8	1 13	1 52	2 21	22 46	0 3	22 12	0 57	13 33	16 16	15 32	15 8	12 38	5 2	3 18	
S 29	23 12	13 49	0 40	24 18	0 58	20 25	1 42	6 55	1 59	4 7	1 13	1 51	2 21	22 46	0 3	22 12	0 57	13 33	16 16	15 33	15 7	12 39	5 2	3 19	
S 30	23n 8	16s29	0n24	24n20	1n 6	20n 7	1n43	7n11	2s 0	4s 7	1s13	1n50	2n21	22s46	0s 3	22n12	0s57	13s34	16s16	15s33	15s 6	12s41	5n 3	3n19	

ASTRODIENST EPHEMERIS for the year 2069

geocentric

JULY 2069

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	18 38 34	9°24'23	28°15'52	9°17'17	8°12'25	23°57'57	22°30'30	0°53'53	16°R12	8°30'30	3°24'24	12°R22	10°15'54	1°12'12	5°Y 3	M 1
T 2	18 42 31	10°44'35	11°17'2	11°28'28	9°37'37	24°39'39	22°32'32	0°56'56	16°10'10	8°32'32	3°24'24	12°18'18	10°51'51	1°19'19	5° 3	T 2
W 3	18 46 27	11°41'46	23°27'27	13°38'38	10°49'49	25°21'21	22°34'34	0°59'59	16° 8'8	8°35'35	3°R24	12°12'12	10°47'47	1°25'25	5° 3	W 3
T 4	18 50 24	12°38'58	6°38'38	15°48'48	12° 1'1	26° 3'3	22°35'35	1° 2'2	16° 6'6	8°37'37	3°24'24	12° 4'4	10°44'44	1°32'32	5° 4	T 4
F 5	18 54 21	13°36'09	19° 5'5	17°56'56	13°13'13	26°44'44	22°37'37	1° 5'5	16° 4'4	8°39'39	3°24'24	11°54'54	10°41'41	1°39'39	5° 4	F 5
S 6	18 58 17	14°33'20	2°18'18	20° 3'3	14°25'25	27°26'26	22°38'38	1° 8'8	16° 1'1	8°41'41	3°24'24	11°44'44	10°38'38	1°45'45	5° 4	S 6
S 7	19 2 14	15°30'31	15°44'44	22° 9'9	15°38'38	28° 7'7	22°39'39	1°12'12	15°59'59	8°44'44	3°24'24	11°34'34	10°35'35	1°52'52	5°R 4	S 7
M 8	19 6 10	16°27'42	29°22'22	24°14'14	16°50'50	28°49'49	22°40'40	1°15'15	15°57'57	8°46'46	3°24'24	11°25'25	10°32'32	1°59'59	5° 4	M 8
T 9	19 10 7	17°24'54	13°10'10	26°17'17	18° 1'1	29°30'30	22°40'40	1°19'19	15°55'55	8°48'48	3°24'24	11°19'19	10°28'28	2° 5'5	5° 4	T 9
W10	19 14 3	18°22'06	27° 6'6	28°18'18	19°13'13	0°8'11	22°41'41	1°23'23	15°53'53	8°50'50	3°24'24	11°15'15	10°25'25	2°12'12	5° 4	W10
T 11	19 18 0	19°19'18	11°7'7	0°18'18	20°25'25	0°52'52	22°41'41	1°26'26	15°52'52	8°52'52	3°24'24	11°13'13	10°22'22	2°19'19	5° 4	T 11
F 12	19 21 56	20°16'31	25°13'13	2°15'15	21°37'37	1°33'33	22°R41	1°30'30	15°50'50	8°55'55	3°23'23	11°D13	10°19'19	2°25'25	5° 3	F 12
S 13	19 25 53	21°13'45	9°8'23	4°11'11	22°49'49	2°14'14	22°41'41	1°34'34	15°48'48	8°57'57	3°23'23	11°R13	10°16'16	2°32'32	5° 3	S 13
S 14	19 29 50	22°10'59	23°36'36	6° 6'6	24° 1'1	2°55'55	22°40'40	1°38'38	15°46'46	8°59'59	3°23'23	11°13'13	10°13'13	2°38'38	5° 3	S 14
M15	19 33 46	23° 8'13	7°11'49	7°58'58	25°12'12	3°35'35	22°40'40	1°42'42	15°44'44	9° 1'1	3°23'23	11°10'10	10° 9'9	2°45'45	5° 2	M15
T 16	19 37 43	24° 5'28	22° 1'1	9°48'48	26°24'24	4°16'16	22°39'39	1°46'46	15°42'42	9° 3'3	3°22'22	11° 6'6	10° 6'6	2°52'52	5° 2	T 16
W17	19 41 39	25° 2'44	6°6'6	11°37'37	27°36'36	4°56'56	22°38'38	1°50'50	15°41'41	9° 6'6	3°22'22	10°58'58	10° 3'3	2°58'58	5° 1	W17
T 18	19 45 36	26° 0'00	20° 1'1	13°24'24	28°47'47	5°36'36	22°37'37	1°55'55	15°39'39	9° 8'8	3°22'22	10°48'48	10° 0'0	3° 5'5	5° 1	T 18
F 19	19 49 32	26°57'17	3°10'41	15° 8'8	29°59'59	6°16'16	22°36'36	1°59'59	15°37'37	9°10'10	3°21'21	10°36'36	9°57'57	3°12'12	5° 0	F 19
S 20	19 53 29	27°54'34	17° 4'4	16°51'51	1°10'10	6°56'56	22°34'34	2° 4'4	15°36'36	9°12'12	3°21'21	10°25'25	9°53'53	3°18'18	5° 0	S 20
S 21	19 57 26	28°51'51	0°10'7	18°32'32	2°22'22	7°36'36	22°32'32	2° 8'8	15°34'34	9°14'14	3°21'21	10°14'14	9°50'50	3°25'25	4°59'59	S 21
M22	20 1 22	29°49'08	12°50'50	20°12'12	3°33'33	8°15'15	22°31'31	2°13'13	15°33'33	9°16'16	3°20'20	10° 4'4	9°47'47	3°32'32	4°58'58	M22
T 23	20 5 19	0°14'26	25°14'14	21°49'49	4°45'45	8°55'55	22°28'28	2°17'17	15°31'31	9°18'18	3°20'20	9°58'58	9°44'44	3°38'38	4°57'57	T 23
W24	20 9 15	1°43'44	7°12'22	23°24'24	5°56'56	9°34'34	22°26'26	2°22'22	15°30'30	9°21'21	3°19'19	9°53'53	9°41'41	3°45'45	4°57'57	W24
T 25	20 13 12	2°41'03	19°19'19	24°58'58	7° 7'7	10°13'13	22°24'24	2°27'27	15°28'28	9°23'23	3°19'19	9°51'51	9°38'38	3°52'52	4°56'56	T 25
F 26	20 17 8	3°38'22	1°10'9	26°30'30	8°18'18	10°52'52	22°21'21	2°32'32	15°27'27	9°25'25	3°18'18	9°51'51	9°34'34	3°58'58	4°55'55	F 26
S 27	20 21 5	4°35'41	12°57'57	28° 0'0	9°30'30	11°31'31	22°18'18	2°37'37	15°25'25	9°27'27	3°18'18	9°51'51	9°31'31	4° 5'5	4°54'54	S 27
S 28	20 25 1	5°33'01	24°50'50	29°28'28	10°41'41	12°10'10	22°15'15	2°42'42	15°24'24	9°29'29	3°17'17	9°50'50	9°28'28	4°12'12	4°53'53	S 28
M29	20 28 58	6°30'21	6°17'52	0°10'54	11°52'52	12°48'48	22°12'12	2°47'47	15°23'23	9°31'31	3°17'17	9°48'48	9°25'25	4°18'18	4°52'52	M29
T 30	20 32 54	7°27'42	19° 8'8	2°18'18	13° 3'3	13°27'27	22° 8'8	2°52'52	15°22'22	9°33'33	3°16'16	9°44'44	9°22'22	4°25'25	4°51'51	T 30
W31	20 36 51	8°12'50	1°13'42	3°10'40	14°10'10	14°18'18	22°11'11	2°57'57	15°20'20	9°35'35	3°16'16	9°16'16	9°16'16	4°16'16	4°49'49	W31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
M 1	23n 4	18s29	1n27	24n20	1n14	19n48	1n43	7n26	2s 0	4s 6	1s13	1n48	2n21	22s45	0s 3	22n12
T 2	23 0	19 39	2 27	24 16	1 21	19 29	1 43	7 41	2 0	4 5	1 14	1 47	2 21	22 45	0 3	22 12
W 3	22 55	19 55	3 21	24 10	1 27	19 10	1 43	7 56	2 0	4 5	1 14	1 45	2 20	22 45	0 3	22 12
T 4	22 50	19 11	4 7	24 2	1 33	18 50	1 43	8 11	2 0	4 5	1 14	1 44	2 20	22 45	0 3	22 12
F 5	22 44	17 27	4 40	23 50	1 37	18 29	1 43	8 26	2 0	4 4	1 15	1 43	2 20	22 45	0 3	22 12
S 6	22 38	14 46	5 0	23 36	1 42	18 8	1 43	8 41	2 0	4 4	1 15	1 41	2 20	22 44	0 3	22 11
S 7	22 32	11 17	5 3	23 20	1 45	17 47	1 43	8 56	2 0	4 4	1 15	1 40	2 20	22 44	0 3	22 11
M 8	22 25	7 10	4 49	23 1	1 47	17 25	1 43	9 11	2 0	4 4	1 16	1 38	2 19	22 44	0 3	22 11
T 9	22 18	2 38	4 18	22 40	1 49	17 3	1 42	9 25	2 0	4 4	1 16	1 36	2 19	22 44	0 3	22 11
W10	22 10	2n 6	3 32	22 18	1 50	16 40	1 42	9 39	2 0	4 4	1 16	1 35	2 19	22 44	0 3	22 11
T 11	22 2	6 45	2 33	21 53	1 51	16 16	1 41	9 54	2 0	4 4	1 16	1 33	2 19	22 43	0 3	22 11
F 12	21 54	11 4	1 24	21 27	1 51	15 53	1 41	10 8	2 0	4 5	1 17	1 31	2 19	22 43	0 3	22 11
S 13	21 45	14 46	0 10	20 58	1 50	15 29	1 40	10 22	2 0	4 5	1 17	1 30	2 18	22 43	0 3	22 10
S 14	21 36	17 37	1s 5	20 29	1 48	15 4	1 39	10 36	2 0	4 5	1 17	1 28	2 18	22 43	0 3	22 10
M15	21 27	19 22	2 16	19 58	1 46	14 39	1 38	10 50	2 0	4 6	1 18	1 26	2 18	22 43	0 3	22 10
T 16	21 17	19 53	3 19	19 26	1 43	14 14	1 37	11 3	2 0	4 6	1 18	1 24	2 18	22 42	0 3	22 10
W17	21 7	19 9	4 8	18 53	1 40	13 49	1 36	11 17	2 0	4 7	1 18	1 22	2 18	22 42	0 3	22 10
T 18	20 56	17 17	4 42	18 19	1 36	13 23	1 35	11 30	1 59	4 8	1 19	1 21	2 17	22 42	0 3	22 10
F 19	20 45	14 28	4 59	17 44	1 31	12 56	1 34	11 44	1 59	4 9	1 19	1 19	2 17	22 42	0 3	22 10
S 20	20 34	10 57	4 59	17 9	1 26	12 30	1 33	11 57	1 59	4 10	1 19	1 17	2 17	22 42	0 3	22 9
S 21	20 23	7 0	4 44	16 33	1 21	12 3	1 31	12 10	1 59	4 10	1 19	1 15	2 17	22 42	0 3	22 9
M22	20 11	2 49	4 14	15 56	1 15	11 36	1 30	12 23	1 59	4 12	1 20	1 13	2 17	22 41	0 3	22 9
T 23	19 59	1s22	3 33	15 19	1 9	11 8	1 28	12 35	1 59	4 13	1 20	1 11	2 17	22 41	0 3	22 9
W24	19 46	5 25	2 43	14 41	1 2	10 41	1 27	12 48	1 58	4 14	1 20	1 9	2 16	22 41	0 3	22 9
T 25	19 33	9 12	1 47	14 3	0 55	10 13	1 25	13 0	1 58	4 15	1 21	1 7	2 16	22 41	0 3	22 9
F 26	19 20	12 35	0 46	13 25	0 47	9 44	1 23	13 13	1 58	4 16	1 21	1 5	2 16	22 41	0 3	22 8
S 27	19 6	15 27	0n16	12 47	0 39	9 16	1 21	13 25	1 58	4 18	1 21	1 2	2 16	22 41	0 3	22 8
S 28	18 52	17 42	1 19	12 8	0 31	8 47	1 19	13 37	1 57	4 19	1 21	1 0	2 16	22 41	0 3	22 8
M29	18 38	19 11	2 18	11 30	0 23	8 18	1 17	13 49	1 57	4 21	1 22	0 58	2 16	22 40	0 3	22 8
T 30	18 24	19 48	3 12	10 52	0 14	7 49	1 15	14 1	1 57	4 22	1 22	0 56	2 15	22 40	0 3	22 8
W31	18n 9	19s27	3n58	10n14	0n 5	7n20	1n13	14n12	1s56	4s24	1s22	0n54	2n15	22s40	0s 3	22n 8

Julian Day Number = 2476928.5, Delta T = 80.83 sec
 Ecliptic obliquity = 23°25'41", Nutation = 0°00'12", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 25°42'40", Lahiri = 24°49'41"

ASTRODIENST EPHEMERIS for the year 2069
geocentric

AUGUST 2069

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	20 40 48	9♌22'26	14♋36	5♊0	15♊24	14♋43	22°R 1	3♎3	15°R19	9♏37	3°R15	9°R27	9♎15	4♌38	4°R48	T 1
F 2	20 44 44	10°19'48	27°51	6°18	16°35	15°21	21♋57	3°8	15♎18	9°39	3°Y15	9♎16	9°12	4°45	4°Y47	F 2
S 3	20 48 41	11°17'12	11♋25	7°34	17°46	15°58	21°53	3°13	15°17	9°41	3°14	9°4	9°9	4°51	4°46	S 3
S 4	20 52 37	12°14'36	25°16	8°48	18°57	16°36	21°49	3°19	15°16	9°43	3°13	8°52	9°6	4°58	4°44	S 4
M 5	20 56 34	13°12'01	9♋20	9°59	20°7	17°13	21°44	3°24	15°15	9°45	3°13	8°42	9°3	5°5	4°43	M 5
T 6	21 0 30	14°9'28	23°32	11°9	21°18	17°50	21°39	3°30	15°14	9°47	3°12	8°34	8°59	5°11	4°41	T 6
W 7	21 4 27	15°6'55	7°Y47	12°15	22°28	18°27	21°35	3°36	15°14	9°49	3°11	8°29	8°56	5°18	4°40	W 7
T 8	21 8 23	16°4'24	22°1	13°20	23°39	19°4	21°30	3°41	15°13	9°50	3°10	8°27	8°53	5°25	4°38	T 8
F 9	21 12 20	17°1'54	6♋13	14°22	24°49	19°41	21°25	3°47	15°12	9°52	3°10	8°D26	8°50	5°31	4°37	F 9
S 10	21 16 17	17°59'26	20°21	15°21	25°59	20°17	21°19	3°53	15°11	9°54	3°9	8°R26	8°47	5°38	4°35	S 10
S 11	21 20 13	18°56'59	4♌23	16°17	27°9	20°53	21°14	3°59	15°11	9°56	3°8	8°26	8°44	5°45	4°33	S 11
M12	21 24 10	19°54'33	18°19	17°11	28°20	21°29	21°8	4°5	15°10	9°58	3°7	8°23	8°40	5°51	4°32	M12
T 13	21 28 6	20°52'09	2♋8	18°1	29°30	22°5	21°2	4°11	15°10	10°0	3°6	8°18	8°37	5°58	4°30	T 13
W14	21 32 3	21°49'46	15°49	18°48	0♌40	22°40	20°57	4°17	15°9	10°1	3°6	8°11	8°34	6°4	4°28	W14
T 15	21 35 59	22°47'25	29°19	19°32	1°50	23°15	20°50	4°23	15°9	10°3	3°5	8°1	8°31	6°11	4°26	T 15
F 16	21 39 56	23°45'05	12♌37	20°12	3°0	23°50	20°44	4°29	15°8	10°5	3°4	7°49	8°28	6°18	4°25	F 16
S 17	21 43 52	24°42'46	25°41	20°48	4°9	24°25	20°38	4°36	15°8	10°7	3°3	7°37	8°24	6°24	4°23	S 17
S 18	21 47 49	25°40'29	8♊29	21°20	5°19	25°0	20°32	4°42	15°7	10°8	3°2	7°25	8°21	6°31	4°21	S 18
M19	21 51 46	26°38'12	21°1	21°48	6°29	25°34	20°25	4°48	15°7	10°10	3°1	7°16	8°18	6°38	4°19	M19
T 20	21 55 42	27°35'57	3♎18	22°12	7°38	26°8	20°18	4°54	15°7	10°12	3°0	7°9	8°15	6°44	4°17	T 20
W21	21 59 39	28°33'43	15°22	22°31	8°48	26°42	20°12	5°1	15°7	10°13	2°59	7°4	8°12	6°51	4°15	W21
T 22	22 3 35	29°31'30	27°16	22°45	9°57	27°15	20°5	5°7	15°7	10°15	2°58	7°2	8°9	6°58	4°13	T 22
F 23	22 7 32	0♊29'19	9♎4	22°53	11°6	27°49	19°58	5°14	15°7	10°16	2°57	7°D 1	8°5	7°4	4°10	F 23
S 24	22 11 28	1°27'08	20°52	22°R56	12°16	28°22	19°51	5°20	15°D 7	10°18	2°56	7°2	8°2	7°11	4°8	S 24
S 25	22 15 25	2°24'59	2♊44	22°54	13°25	28°54	19°43	5°27	15°7	10°20	2°55	7°R 2	7°59	7°18	4°6	S 25
M26	22 19 21	3°22'51	14°47	22°46	14°34	29°27	19°36	5°34	15°7	10°21	2°54	7°2	7°56	7°24	4°4	M26
T 27	22 23 18	4°20'45	27°4	22°31	15°43	29°59	19°29	5°40	15°7	10°23	2°53	6°59	7°53	7°31	4°2	T 27
W28	22 27 15	5°18'39	9♋34	22°11	16°52	0♌31	19°21	5°47	15°7	10°24	2°52	6°54	7°50	7°38	3°59	W28
T 29	22 31 11	6°16'35	22°41	21°45	18°0	1°2	19°14	5°54	15°7	10°25	2°51	6°47	7°46	7°44	3°57	T 29
F 30	22 35 8	7°14'33	6♋5	21°13	19°9	1°33	19°6	6°0	15°8	10°27	2°50	6°39	7°43	7°51	3°55	F 30
S 31	22 39 4	8♊12'31	19°54	20♊35	20♎18	2♌4	18°58	6♎7	15°8	10°28	2°Y49	6♎29	7♎40	7♎57	3°Y52	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
T 1	17n54	18s 6	4n33	9n36	0s 5	6n50	1n11	14n24	1s56	4s26	1s23	0n51	2n15	22s40	0s 3	22n 8	0s57	13s47	16s28	14s38	14s34	13s27	5n 0	3n22	
F 2	17 39	15 46	4 55	8 58	0 14	6 21	1 9	14 35	1 56	4 28	1 23	0 49	2 15	22 40	0 3	22 7	0 57	13 48	16 28	14 35	14 33	13 29	5 0	3 22	
S 3	17 23	12 32	5 0	8 21	0 24	5 51	1 6	14 46	1 55	4 29	1 23	0 47	2 15	22 40	0 3	22 7	0 57	13 48	16 28	14 31	14 32	13 30	4 59	3 22	
S 4	17 7	8 33	4 49	7 44	0 34	5 21	1 4	14 57	1 55	4 31	1 23	0 45	2 15	22 40	0 3	22 7	0 57	13 49	16 29	14 27	14 31	13 31	4 59	3 22	
M 5	16 51	4 3	4 19	7 8	0 45	4 51	1 1	15 8	1 55	4 33	1 24	0 42	2 15	22 40	0 3	22 7	0 57	13 50	16 29	14 24	14 30	13 33	4 58	3 22	
T 6	16 34	0n42	3 34	6 32	0 55	4 21	0 58	15 19	1 54	4 36	1 24	0 40	2 14	22 40	0 3	22 7	0 57	13 50	16 29	14 21	14 29	13 34	4 58	3 23	
W 7	16 18	5 27	2 35	5 57	1 6	3 50	0 56	15 29	1 54	4 38	1 24	0 38	2 14	22 40	0 3	22 7	0 57	13 51	16 29	14 20	14 28	13 35	4 57	3 23	
T 8	16 1	9 54	1 26	5 22	1 17	3 20	0 53	15 40	1 53	4 40	1 24	0 35	2 14	22 39	0 3	22 7	0 57	13 51	16 30	14 19	14 27	13 37	4 57	3 23	
F 9	15 43	13 46	0 12	4 48	1 28	2 49	0 50	15 50	1 53	4 42	1 25	0 33	2 14	22 39	0 3	22 6	0 57	13 52	16 30	14 19	14 26	13 38	4 56	3 23	
S 10	15 26	16 49	1s 3	4 15	1 39	2 19	0 47	16 0	1 52	4 44	1 25	0 30	2 14	22 39	0 3	22 6	0 57	13 52	16 30	14 19	14 25	13 40	4 55	3 23	
S 11	15 8	18 50	2 13	3 43	1 50	1 48	0 44	16 10	1 52	4 47	1 25	0 28	2 14	22 39	0 3	22 6	0 57	13 53	16 31	14 18	14 24	13 41	4 55	3 23	
M12	14 50	19 41	3 15	3 12	2 1	1 17	0 41	16 20	1 51	4 49	1 25	0 25	2 14	22 39	0 3	22 6	0 57	13 53	16 31	14 18	14 23	13 42	4 54	3 23	
T 13	14 32	19 20	4 4	2 43	2 12	0 47	0 38	16 30	1 51	4 52	1 26	0 23	2 13	22 39	0 3	22 6	0 57	13 54	16 31	14 16	14 22	13 44	4 54	3 23	
W14	14 13	17 52	4 39	2 14	2 23	0 16	0 35	16 39	1 50	4 54	1 26	0 20	2 13	22 39	0 3	22 6	0 57	13 55	16 31	14 14	14 21	13 45	4 53	3 23	
T 15	13 55	15 25	4 58	1 47	2 34	0s15	0 31	16 48	1 50	4 57	1 26	0 18	2 13	22 39	0 3	22 6	0 57	13 55	16 32	14 10	14 20	13 46	4 52	3 23	
F 16	13 36	12 12	5 1	1 21	2 45	0 46	0 28	16 58	1 49	4 59	1 26	0 15	2 13	22 39	0 3	22 5	0 57	13 56	16 32	14 7	14 19	13 48	4 52	3 23	
S 17	13 17	8 27	4 47	0 57	2 56	1 17	0 24	17 7	1 49	5 2	1 26	0 13	2 13	22 39	0 3	22 5	0 58	13 56	16 32	14 3	14 18	13 49	4 51	3 23	
S 18	12 57	4 23	4 19	0 35	3 6	1 47	0 21	17 16	1 48	5 5	1 27	0 10	2 13	22 39	0 3	22 5	0 58	13 57	16 32	13 59	14 17	13 51	4 50	3 23	
M19	12 38	0 12	3 39	0 14	3 17	2 18	0 17	17 24	1 47	5 8	1 27	0 8	2 13	22 39	0 3	22 5	0 58	13 57	16 33	13 56	14 16	13 52	4 49	3 23	
T 20	12 18	3s54	2 49	0s 4	3 27	2 49	0 14	17 33	1 47	5 10	1 27	0 5	2 13	22 39	0 3	22 5	0 58	13 58	16 33	13 53	14 15	13 53	4 49	3 23	
W21	11 58	7 47	1 53	0 21	3 37	3 20	0 10	17 41	1 46	5 13	1 27	0 2	2 13	22 39	0 3	22 5	0 58	13 59	16 33	13 52	14 14	13 55	4 48	3 24	
T 22	11 38	11 18	0 52	0 35	3 46	3 50	0 6	17 50	1 45	5 16	1 27	0s 0	2 13	22 39	0 3	22 5	0 58	13 59	16 33	13 51	14 13	13 56	4 47	3 24	
F 23	11 18	14 20	0n11	0 46	3 55	4 21	0 3	17 58	1 44	5 19	1 28	0 3	2 12	22 39	0 3	22 4	0 58	14 0	16 34	13 51	14 12	13 57	4 46	3 24	
S 24	10 57	16 47	1 13	0 55	4 3	4 52	0s 1	18 6	1 44	5 22	1 28	0 6	2 12	22 39	0 3	22 4	0 58	14 0	16 34	13 51	14 11	13 59	4 46	3 24	
S 25	10 37	18 31	2 13	1 1	4 10	5 22	0 5	18 14	1 43	5 25	1 28	0 8	2 12	22 39	0 3	22 4	0 58	14 1	16 34	13 51	14 10	14 0	4 45	3 24	
M26	10 16	19 27	3 8	1 3	4 16	5 53	0 9	18 22	1 42	5 28	1 28	0 11	2 12	22 39	0 3	22 4	0 58	14 1	16 34	13 51	14 9	14 1	4 44	3 24	
T 27	9 55	19 29	3 55	1 3	4 22	6 23	0 13	18 29	1 41	5 31	1 28	0 14	2 12	22 39	0 3	22 4	0 58	14 2	16 34	13 50	14 8	14 3	4 43	3 24	
W28	9 34	18 33	4 32	0 59	4 26	6 53	0 17	18 37	1 41	5 34	1 28	0 17	2 12	22 39	0 3	22 4	0 58	14 3	16 35	13 49	14 7	14 4	4 42	3 24	
T 29	9 12	16 39	4 56	0 51	4 29	7 23	0 21	18 44	1 40	5 37	1 29	0 19	2 12	22 39	0 3	22 4	0 58	14 3	16 35	13 47	14 6	14 5	4 41	3 24	
F 30	8 51	13 49	5 5	0 40	4 31	7 53	0 25	18 51	1 39	5 40	1 29	0 22	2 12	22 39	0 3	22 4	0 58	14 4	16 35	13 44	14 5	14 7	4 40	3 24	
S 31	8n29	10s 8	4n57	0s25	4s31	8s23	0s29	18n58	1s38	5s43	1s29	0s25	2n12	22s39	0s 3	22n 3	0s58	14s 4	16s35	13s41	14s 4	14s 8	4n39	3n24	

ASTRODIENST EPHEMERIS for the year 2069

geocentric

SEPTEMBER 2069

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 43 1	9♍10'31	4♋5	19°R52	21♊26	2♊35	18°R51	6♊14	15♌9	10♉30	2°R48	6°R20	7♍37	8♍4	3°R50	S 1
M 2	22 46 57	10° 8'33	18°32	19♍5	22°34	3° 5	18♋43	6°21	15° 9	10°31	2°Y47	6♍12	7°34	8°11	3°Y47	M 2
T 3	22 50 54	11° 6'36	3°Y9	18°13	23°42	3°35	18°35	6°28	15° 9	10°32	2°46	6° 6	7°30	8°17	3°45	T 3
W 4	22 54 50	12° 4'42	17°48	17°18	24°51	4° 5	18°27	6°35	15°10	10°33	2°45	6° 3	7°27	8°24	3°43	W 4
T 5	22 58 47	13° 2'49	2♌25	16°20	25°58	4°34	18°19	6°42	15°11	10°35	2°44	6°D 1	7°24	8°31	3°40	T 5
F 6	23 2 44	14° 0'58	16°53	15°22	27° 6	5° 3	18°12	6°49	15°11	10°36	2°43	6° 2	7°21	8°37	3°38	F 6
S 7	23 6 40	14°59'09	1♊9	14°24	28°14	5°32	18° 4	6°56	15°12	10°37	2°42	6° 3	7°18	8°44	3°35	S 7
S 8	23 10 37	15°57'22	15°13	13°27	29°22	6° 0	17°56	7° 3	15°13	10°38	2°40	6°R 3	7°15	8°51	3°32	S 8
M 9	23 14 33	16°55'37	29° 2	12°32	0♍29	6°28	17°48	7°10	15°14	10°39	2°39	6° 3	7°11	8°57	3°30	M 9
T 10	23 18 30	17°53'54	12♉37	11°42	1°37	6°55	17°40	7°17	15°14	10°40	2°38	6° 0	7° 8	9° 4	3°27	T 10
W11	23 22 26	18°52'14	25°59	10°57	2°44	7°22	17°32	7°24	15°15	10°42	2°37	5°55	7° 5	9°11	3°25	W11
T 12	23 26 23	19°50'35	9♊9	10°19	3°51	7°49	17°24	7°31	15°16	10°43	2°36	5°49	7° 2	9°17	3°22	T 12
F 13	23 30 19	20°48'58	22° 3	9°47	4°58	8°15	17°16	7°38	15°17	10°44	2°35	5°41	6°59	9°24	3°20	F 13
S 14	23 34 16	21°47'23	4♍46	9°24	6° 5	8°41	17° 8	7°46	15°18	10°45	2°34	5°33	6°56	9°30	3°17	S 14
S 15	23 38 13	22°45'50	17°16	9°10	7°11	9° 6	17° 0	7°53	15°20	10°46	2°32	5°26	6°52	9°37	3°14	S 15
M16	23 42 9	23°44'19	29°34	9°D 4	8°18	9°31	16°52	8° 0	15°21	10°46	2°31	5°20	6°49	9°44	3°12	M16
T 17	23 46 6	24°42'50	11♊41	9° 8	9°24	9°56	16°44	8° 7	15°22	10°47	2°30	5°15	6°46	9°50	3° 9	T 17
W18	23 50 2	25°41'23	23°38	9°22	10°31	10°20	16°37	8°15	15°23	10°48	2°29	5°12	6°43	9°57	3° 6	W18
T 19	23 53 59	26°39'57	5♍29	9°45	11°37	10°43	16°29	8°22	15°25	10°49	2°28	5°D12	6°40	10° 4	3° 3	T 19
F 20	23 57 55	27°38'34	17°15	10°17	12°43	11° 7	16°21	8°29	15°26	10°50	2°26	5°12	6°36	10°10	3° 1	F 20
S 21	0 1 52	28°37'12	29° 2	10°58	13°48	11°29	16°13	8°36	15°27	10°51	2°25	5°14	6°33	10°17	2°58	S 21
S 22	0 5 48	29°35'51	10♌53	11°47	14°54	11°51	16° 6	8°44	15°29	10°51	2°24	5°16	6°30	10°24	2°55	S 22
M23	0 9 45	0♊34'33	22°54	12°44	15°59	12°13	15°58	8°51	15°30	10°52	2°23	5°17	6°27	10°30	2°53	M23
T 24	0 13 41	1°33'16	5♌9	13°49	17° 4	12°34	15°51	8°59	15°32	10°53	2°22	5°R17	6°24	10°37	2°50	T 24
W25	0 17 38	2°32'01	17°44	15° 0	18°10	12°54	15°44	9° 6	15°34	10°53	2°20	5°16	6°21	10°44	2°47	W25
T 26	0 21 35	3°30'47	0♌42	16°17	19°14	13°14	15°36	9°13	15°35	10°54	2°19	5°13	6°17	10°50	2°44	T 26
F 27	0 25 31	4°29'35	14° 6	17°40	20°19	13°34	15°29	9°21	15°37	10°55	2°18	5°10	6°14	10°57	2°42	F 27
S 28	0 29 28	5°28'25	27°58	19° 7	21°23	13°53	15°22	9°28	15°39	10°55	2°17	5° 5	6°11	11° 3	2°39	S 28
S 29	0 33 24	6°27'17	12♋15	20°38	22°27	14°11	15°15	9°35	15°40	10°56	2°16	5° 1	6° 8	11°10	2°36	S 29
M30	0 37 21	7♊26'11	26♋55	22♍13	23♍31	14♊29	15♋9	9♊43	15♌42	10♉56	2°Y14	4♍57	6♍5	11♍17	2°Y34	M30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	8n 8	5s48	4n31	0s 7	4s29	8s52	0s33	19n 5	1s37	5s46	1s29	0s28	2n12	22s39	0s 3	22n 3
M 2	7 46	1 4	3 47	0n15	4 26	9 22	0 38	19 12	1 36	5 50	1 29	0 30	2 12	22 39	0 3 22	3 0 58
T 3	7 24	3n48	2 47	0 40	4 21	9 51	0 42	19 18	1 35	5 53	1 29	0 33	2 12	22 39	0 3 22	3 0 58
W 4	7 2	8 28	1 36	1 8	4 13	10 20	0 46	19 25	1 34	5 56	1 29	0 36	2 11	22 39	0 3 22	3 0 58
T 5	6 39	12 37	0 19	1 38	4 4	10 49	0 51	19 31	1 33	5 59	1 29	0 39	2 11	22 39	0 3 22	3 0 58
F 6	6 17	15 56	0s58	2 11	3 53	11 18	0 55	19 37	1 32	6 2	1 29	0 42	2 11	22 39	0 3 22	3 0 58
S 7	5 55	18 14	2 11	2 45	3 40	11 46	0 59	19 43	1 31	6 5	1 29	0 44	2 11	22 40	0 3 22	3 0 58
S 8	5 32	19 22	3 15	3 20	3 26	12 14	1 4	19 49	1 30	6 9	1 30	0 47	2 11	22 40	0 3 22	2 0 58
M 9	5 10	19 19	4 7	3 56	3 10	12 42	1 8	19 55	1 29	6 12	1 30	0 50	2 11	22 40	0 3 22	2 0 58
T 10	4 47	18 8	4 43	4 31	2 53	13 10	1 13	20 1	1 28	6 15	1 30	0 53	2 11	22 40	0 3 22	2 0 58
W11	4 24	15 58	5 4	5 5	2 34	13 37	1 17	20 6	1 27	6 18	1 30	0 56	2 11	22 40	0 3 22	2 0 58
T 12	4 1	13 1	5 8	5 37	2 15	14 4	1 22	20 12	1 26	6 21	1 30	0 59	2 11	22 40	0 3 22	2 0 58
F 13	3 38	9 29	4 56	6 6	1 56	14 31	1 26	20 17	1 24	6 24	1 30	1 1	2 11	22 40	0 3 22	2 0 58
S 14	3 15	5 34	4 30	6 33	1 36	14 58	1 31	20 22	1 23	6 28	1 30	1 4	2 11	22 40	0 3 22	2 0 58
S 15	2 52	1 29	3 51	6 57	1 17	15 24	1 35	20 27	1 22	6 31	1 30	1 7	2 11	22 40	0 3 22	2 0 58
M16	2 29	2s36	3 1	7 17	0 57	15 50	1 40	20 32	1 21	6 34	1 30	1 10	2 11	22 41	0 3 22	2 0 58
T 17	2 6	6 32	2 5	7 33	0 39	16 16	1 44	20 37	1 19	6 37	1 30	1 13	2 11	22 41	0 3 22	2 0 58
W18	1 43	10 9	1 3	7 44	0 21	16 41	1 49	20 42	1 18	6 40	1 30	1 16	2 11	22 41	0 3 22	1 0 58
T 19	1 20	13 19	0n 2	7 52	0 3	17 6	1 53	20 47	1 17	6 43	1 30	1 19	2 11	22 41	0 3 22	1 0 58
F 20	0 56	15 56	1 5	7 54	0n13	17 31	1 58	20 51	1 15	6 46	1 30	1 22	2 11	22 41	0 3 22	1 0 58
S 21	0 33	17 52	2 7	7 53	0 28	17 55	2 2	20 56	1 14	6 49	1 30	1 24	2 11	22 41	0 3 22	1 0 58
S 22	0 10	19 3	3 3	7 47	0 42	18 19	2 7	21 0	1 13	6 52	1 30	1 27	2 11	22 41	0 3 22	1 0 58
M23	0s14	19 23	3 52	7 37	0 54	18 42	2 11	21 4	1 11	6 55	1 30	1 30	2 11	22 42	0 3 22	1 0 58
T 24	0 37	18 49	4 31	7 22	1 6	19 6	2 16	21 8	1 10	6 57	1 30	1 33	2 11	22 42	0 3 22	1 0 58
W25	1 0	17 19	4 59	7 4	1 16	19 28	2 20	21 13	1 8	7 0	1 30	1 36	2 11	22 42	0 3 22	1 0 58
T 26	1 24	14 54	5 12	6 42	1 24	19 50	2 24	21 17	1 7	7 3	1 30	1 39	2 11	22 42	0 3 22	1 0 58
F 27	1 47	11 39	5 10	6 17	1 32	20 12	2 29	21 21	1 5	7 6	1 30	1 42	2 11	22 42	0 3 22	1 0 58
S 28	2 10	7 39	4 49	5 49	1 38	20 34	2 33	21 24	1 3	7 8	1 30	1 45	2 11	22 43	0 3 22	1 0 58
S 29	2 34	3 6	4 10	5 18	1 44	20 55	2 37	21 28	1 2	7 11	1 29	1 48	2 11	22 43	0 3 22	1 0 58
M30	2s57	1n44	3n14	4n44	1n48	21s15	2s42	21n32	1s 0	7s14	1s29	1s50	2n11	22s43	0s 3	22n 1

Julian Day Number = 2476990.5, Delta T = 80.89 sec

Ecliptic obliquity = 23°25'42, Nutation = 0°00'12, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°42'49, Lahiri = 24°49'49

ASTRODIENST EPHEMERIS for the year 2069

geocentric

OCTOBER 2069

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	0 41 17	8♂25'06	11♂49	23♂51	24♂35	14♂46	15°R 2	9♂50	15♂44	10♂56	2°R13	4°R55	6♂1	11♂23	2°R31	T 1
W 2	0 45 14	9°24'03	26°51	25°31	25°38	15° 2	14♂55	9°58	15°46	10°57	2°Y12	4♂53	5°58	11°30	2°Y28	W 2
T 3	0 49 10	10°23'03	11♂50	27°12	26°42	15°18	14°49	10° 5	15°48	10°57	2°11	4°D53	5°55	11°37	2°26	T 3
F 4	0 53 7	11°22'05	26°41	28°56	27°45	15°33	14°43	10°12	15°50	10°58	2°10	4°54	5°52	11°43	2°23	F 4
S 5	0 57 4	12°21'09	11♂15	0♂40	28°47	15°48	14°36	10°20	15°52	10°58	2° 9	4°56	5°49	11°50	2°20	S 5
S 6	1 1 0	13°20'16	25°30	2°26	29°50	16° 2	14°30	10°27	15°54	10°58	2° 7	4°57	5°46	11°57	2°18	S 6
M 7	1 4 57	14°19'25	9♂24	4°12	0♂52	16°15	14°24	10°34	15°56	10°58	2° 6	4°R58	5°42	12° 3	2°15	M 7
T 8	1 8 53	15°18'36	22°56	5°58	1°54	16°28	14°19	10°42	15°59	10°59	2° 5	4°57	5°39	12°10	2°12	T 8
W 9	1 12 50	16°17'50	6♂9	7°44	2°55	16°40	14°13	10°49	16° 1	10°59	2° 4	4°56	5°36	12°17	2°10	W 9
T 10	1 16 46	17°17'05	19° 4	9°30	3°57	16°51	14° 7	10°57	16° 3	10°59	2° 3	4°55	5°33	12°23	2° 7	T 10
F 11	1 20 43	18°16'23	1♂43	11°17	4°58	17° 1	14° 2	11° 4	16° 5	10°59	2° 2	4°52	5°30	12°30	2° 4	F 11
S 12	1 24 39	19°15'43	14° 8	13° 2	5°58	17°11	13°57	11°11	16° 8	10°59	2° 0	4°50	5°27	12°36	2° 2	S 12
S 13	1 28 36	20°15'06	26°22	14°48	6°58	17°20	13°52	11°19	16°10	10°R59	1°59	4°48	5°23	12°43	1°59	S 13
M14	1 32 33	21°14'30	8♂26	16°33	7°58	17°28	13°47	11°26	16°13	10°59	1°58	4°46	5°20	12°50	1°57	M14
T 15	1 36 29	22°13'57	20°23	18°17	8°58	17°35	13°42	11°33	16°15	10°59	1°57	4°45	5°17	12°56	1°54	T 15
W16	1 40 26	23°13'26	2♂14	20° 1	9°57	17°42	13°38	11°41	16°18	10°59	1°56	4°D44	5°14	13° 3	1°52	W16
T 17	1 44 22	24°12'56	14° 2	21°44	10°56	17°47	13°34	11°48	16°20	10°59	1°55	4°44	5°11	13°10	1°49	T 17
F 18	1 48 19	25°12'29	25°49	23°27	11°54	17°52	13°30	11°55	16°23	10°59	1°54	4°45	5° 7	13°16	1°47	F 18
S 19	1 52 15	26°12'04	7♂37	25° 9	12°52	17°56	13°26	12° 2	16°25	10°59	1°53	4°46	5° 4	13°23	1°44	S 19
S 20	1 56 12	27°11'40	19°30	26°51	13°50	18° 0	13°22	12°10	16°28	10°58	1°52	4°47	5° 1	13°30	1°42	S 20
M21	2 0 8	28°11'18	1♂31	28°32	14°47	18° 2	13°18	12°17	16°31	10°58	1°51	4°47	4°58	13°36	1°40	M21
T 22	2 4 5	29°10'58	13°46	0♂12	15°44	18° 3	13°15	12°24	16°34	10°58	1°50	4°48	4°55	13°43	1°37	T 22
W23	2 8 1	0♂10'40	26°17	1°52	16°40	18°R 4	13°12	12°31	16°36	10°58	1°49	4°R48	4°52	13°50	1°35	W23
T 24	2 11 58	1°10'23	9♂9	3°31	17°35	18° 4	13° 9	12°38	16°39	10°57	1°48	4°48	4°48	13°56	1°33	T 24
F 25	2 15 55	2°10'08	22°25	5° 9	18°30	18° 3	13° 6	12°46	16°42	10°57	1°47	4°48	4°45	14° 3	1°31	F 25
S 26	2 19 51	3° 9'55	6♂8	6°47	19°25	18° 1	13° 3	12°53	16°45	10°57	1°46	4°48	4°42	14°10	1°28	S 26
S 27	2 23 48	4° 9'43	20°19	8°24	20°19	17°58	13° 1	13° 0	16°48	10°56	1°45	4°48	4°39	14°16	1°26	S 27
M28	2 27 44	5° 9'33	4°Y55	10° 1	21°12	17°54	12°59	13° 7	16°51	10°56	1°44	4°D48	4°36	14°23	1°24	M28
T 29	2 31 41	6° 9'25	19°51	11°38	22° 5	17°50	12°57	13°14	16°54	10°55	1°43	4°48	4°32	14°29	1°22	T 29
W30	2 35 37	7° 9'19	5♂1	13°13	22°57	17°44	12°55	13°21	16°57	10°55	1°42	4°R48	4°29	14°36	1°20	W30
T 31	2 39 34	8♂9'14	20♂15	14♂49	23♂48	17♂38	12♂53	13♂28	17♂0	10♂54	1°Y41	4♂48	4♂26	14♂43	1°Y18	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	3s20	6n34	2n 4	4n 8	1n51	21s35	2s46	21n36	0s58	7s16	1s29	1s53	2n11	22s43	0s 3	22n 0
W 2	3 43	11 2	0 44	3 31	1 53	21 55	2 50	21 39	0 57	7 18	1 29	1 56	2 11	22 43	0 3	22 0
T 3	4 7	14 46	0s38	2 51	1 54	22 14	2 54	21 43	0 55	7 21	1 29	1 59	2 11	22 44	0 3	22 0
F 4	4 30	17 30	1 57	2 11	1 54	22 33	2 58	21 46	0 53	7 23	1 29	2 2	2 11	22 44	0 3	22 0
S 5	4 53	19 1	3 7	1 29	1 54	22 51	3 3	21 50	0 51	7 26	1 29	2 5	2 11	22 44	0 3	22 0
S 6	5 16	19 17	4 4	0 46	1 53	23 8	3 6	21 53	0 49	7 28	1 29	2 8	2 11	22 44	0 3	22 0
M 7	5 39	18 21	4 45	0 2	1 51	23 26	3 10	21 56	0 47	7 30	1 29	2 11	2 11	22 45	0 3	22 0
T 8	6 2	16 24	5 9	0s42	1 49	23 42	3 14	21 59	0 45	7 32	1 29	2 13	2 11	22 45	0 3	22 0
W 9	6 24	13 37	5 16	1 27	1 46	23 58	3 18	22 3	0 43	7 34	1 28	2 16	2 11	22 45	0 3	22 0
T 10	6 47	10 14	5 7	2 12	1 42	24 14	3 22	22 6	0 41	7 36	1 28	2 19	2 11	22 45	0 3	22 0
F 11	7 10	6 28	4 42	2 57	1 38	24 29	3 25	22 9	0 39	7 38	1 28	2 22	2 11	22 45	0 3	22 0
S 12	7 32	2 28	4 5	3 42	1 34	24 43	3 29	22 12	0 37	7 40	1 28	2 25	2 11	22 46	0 3	22 0
S 13	7 55	1s34	3 17	4 27	1 29	24 57	3 33	22 15	0 35	7 42	1 28	2 28	2 11	22 46	0 3	22 0
M14	8 17	5 30	2 21	5 12	1 24	25 11	3 36	22 18	0 33	7 43	1 28	2 30	2 11	22 46	0 3	22 0
T 15	8 39	9 11	1 19	5 57	1 19	25 24	3 39	22 21	0 30	7 45	1 28	2 33	2 11	22 47	0 3	22 0
W16	9 1	12 28	0 14	6 41	1 14	25 36	3 43	22 24	0 28	7 47	1 27	2 36	2 11	22 47	0 3	22 0
T 17	9 23	15 13	0n51	7 25	1 8	25 48	3 46	22 26	0 26	7 48	1 27	2 39	2 12	22 47	0 3	22 0
F 18	9 45	17 21	1 54	8 9	1 2	25 59	3 49	22 29	0 23	7 50	1 27	2 41	2 12	22 47	0 3	22 0
S 19	10 7	18 44	2 53	8 52	0 56	26 10	3 52	22 32	0 21	7 51	1 27	2 44	2 12	22 48	0 3	22 0
S 20	10 28	19 17	3 44	9 35	0 49	26 20	3 54	22 35	0 18	7 52	1 27	2 47	2 12	22 48	0 3	22 0
M21	10 50	18 59	4 26	10 17	0 43	26 29	3 57	22 37	0 16	7 53	1 27	2 50	2 12	22 48	0 3	22 0
T 22	11 11	17 47	4 57	10 58	0 37	26 38	4 0	22 40	0 13	7 55	1 26	2 52	2 12	22 48	0 3	22 0
W23	11 32	15 44	5 15	11 39	0 30	26 46	4 2	22 43	0 11	7 56	1 26	2 55	2 12	22 49	0 3	22 0
T 24	11 53	12 51	5 17	12 19	0 23	26 54	4 4	22 45	0 8	7 57	1 26	2 58	2 12	22 49	0 3	22 0
F 25	12 13	9 15	5 3	12 58	0 17	27 1	4 7	22 48	0 6	7 57	1 26	3 0	2 12	22 49	0 3	22 0
S 26	12 34	5 2	4 32	13 37	0 10	27 8	4 9	22 50	0 3	7 58	1 26	3 3	2 12	22 50	0 3	22 0
S 27	12 54	0 25	3 43	14 15	0 3	27 14	4 10	22 53	0 0	7 59	1 25	3 6	2 12	22 50	0 3	22 0
M28	13 14	4n23	2 39	14 52	0s 4	27 20	4 12	22 55	0n 3	8 0	1 25	3 8	2 12	22 50	0 3	22 0
T 29	13 34	9 2	1 22	15 29	0 10	27 25	4 14	22 58	0 5	8 0	1 25	3 11	2 13	22 50	0 4	22 0
W30	13 54	13 10	0s 1	16 4	0 17	27 29	4 15	23 0	0 8	8 1	1 25	3 14	2 13	22 51	0 4	22 0
T 31	14s13	16n26	1s25	16s39	0s24	27s33	4s16	23n 2	0n11	8s 1	1s25	3s16	2n13	22s51	0s 4	22n 0

Julian Day Number = 2477020.5, Delta T = 80.92 sec

Ecliptic obliquity = 23°25'42", Nutation = 0°00'10", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°42'53", Lahiri = 24°49'54"

ASTRODIENST EPHEMERIS for the year 2069

geocentric

NOVEMBER 2069

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	2 43 30	9♉ 9'12	5♊23	16♉23	24♈39	17°R31	12°R52	13♈35	17♈ 3	10°R53	1°R40	4°R47	4♉23	14♉49	1°R16	F 1
S 2	2 47 27	10° 9'12	20°17	17°58	25°29	17♊22	12♈51	13°42	17° 6	10♉53	1°Y39	4♉47	4°20	14°56	1°Y14	S 2
S 3	2 51 24	11° 9'14	4♉49	19°32	26°18	17°13	12°50	13°48	17° 9	10°52	1°38	4°46	4°17	15° 3	1°12	S 3
M 4	2 55 20	12° 9'18	18°56	21° 5	27° 7	17° 4	12°49	13°55	17°12	10°51	1°37	4°45	4°13	15° 9	1°10	M 4
T 5	2 59 17	13° 9'24	2♉36	22°38	27°54	16°53	12°48	14° 2	17°15	10°51	1°36	4°45	4°10	15°16	1° 8	T 5
W 6	3 3 13	14° 9'32	15°50	24°11	28°41	16°41	12°48	14° 9	17°18	10°50	1°35	4°D45	4° 7	15°23	1° 6	W 6
T 7	3 7 10	15° 9'42	28°40	25°43	29°27	16°29	12°D48	14°16	17°22	10°49	1°35	4°45	4° 4	15°29	1° 4	T 7
F 8	3 11 6	16° 9'54	11♉11	27°15	0♉12	16°15	12°48	14°22	17°25	10°48	1°34	4°46	4° 1	15°36	1° 3	F 8
S 9	3 15 3	17°10'08	23°26	28°46	0°55	16° 1	12°48	14°29	17°28	10°48	1°33	4°47	3°58	15°43	1° 1	S 9
S 10	3 18 59	18°10'24	5♊29	0♉18	1°38	15°46	12°49	14°35	17°32	10°47	1°32	4°48	3°54	15°49	0°59	S 10
M11	3 22 56	19°10'42	17°24	1°48	2°20	15°31	12°49	14°42	17°35	10°46	1°32	4°49	3°51	15°56	0°58	M11
T 12	3 26 53	20°11'02	29°14	3°19	3° 1	15°14	12°50	14°49	17°38	10°45	1°31	4°R50	3°48	16° 3	0°56	T 12
W13	3 30 49	21°11'24	11♉ 1	4°49	3°41	14°57	12°51	14°55	17°42	10°44	1°30	4°50	3°45	16° 9	0°55	W13
T 14	3 34 46	22°11'47	22°48	6°18	4°19	14°40	12°52	15° 1	17°45	10°43	1°29	4°49	3°42	16°16	0°53	T 14
F 15	3 38 42	23°12'12	4♈38	7°48	4°57	14°21	12°54	15° 8	17°48	10°42	1°29	4°47	3°38	16°22	0°52	F 15
S 16	3 42 39	24°12'39	16°32	9°17	5°33	14° 2	12°56	15°14	17°52	10°41	1°28	4°45	3°35	16°29	0°51	S 16
S 17	3 46 35	25°13'07	28°32	10°45	6° 7	13°43	12°57	15°20	17°55	10°40	1°27	4°41	3°32	16°36	0°49	S 17
M18	3 50 32	26°13'37	10♉40	12°13	6°41	13°22	12°59	15°27	17°59	10°39	1°27	4°38	3°29	16°42	0°48	M18
T 19	3 54 28	27°14'08	23° 0	13°40	7°13	13° 2	13° 2	15°33	18° 2	10°38	1°26	4°34	3°26	16°49	0°47	T 19
W20	3 58 25	28°14'40	5♈33	15° 7	7°43	12°41	13° 4	15°39	18° 6	10°36	1°26	4°32	3°23	16°56	0°46	W20
T 21	4 2 22	29°15'14	18°22	16°34	8°12	12°19	13° 7	15°45	18° 9	10°35	1°25	4°30	3°19	17° 2	0°44	T 21
F 22	4 6 18	0♉15'49	1♈31	17°59	8°39	11°58	13°10	15°51	18°13	10°34	1°25	4°D29	3°16	17° 9	0°43	F 22
S 23	4 10 15	1°16'25	15° 3	19°24	9° 4	11°36	13°13	15°57	18°16	10°33	1°24	4°30	3°13	17°16	0°42	S 23
S 24	4 14 11	2°17'01	28°59	20°49	9°28	11°13	13°16	16° 3	18°20	10°32	1°24	4°31	3°10	17°22	0°41	S 24
M25	4 18 8	3°17'40	13°Y19	22°12	9°50	10°51	13°20	16° 9	18°23	10°30	1°23	4°33	3° 7	17°29	0°40	M25
T 26	4 22 4	4°18'19	28° 1	23°34	10°10	10°28	13°23	16°14	18°27	10°29	1°23	4°R34	3° 4	17°36	0°40	T 26
W27	4 26 1	5°18'59	13♈ 1	24°55	10°28	10° 5	13°27	16°20	18°30	10°28	1°22	4°34	3° 0	17°42	0°39	W27
T 28	4 29 57	6°19'41	28°11	26°15	10°43	9°43	13°31	16°26	18°34	10°26	1°22	4°32	2°57	17°49	0°38	T 28
F 29	4 33 54	7°20'24	13♊22	27°33	10°57	9°20	13°35	16°31	18°38	10°25	1°21	4°29	2°54	17°56	0°37	F 29
S 30	4 37 51	8♈21'08	28♊24	28♈49	11♉ 9	8♊57	13♈40	16♈37	18♈41	10♉24	1°Y21	4♉24	2♉51	18♉ 2	0°Y37	S 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
F 1	14s32	18n32	2s42	17s13	0s31	27s36	4s17	23n 4	0n14	8s 2	1s24	3s19	2n13	22s51	0s 4	22n 0
S 2	14 51	19 18	3 47	17 46	0 37	27 39	4 18	23 7	0 17	8 2	1 24	3 21	2 13	22 52	0 4	22 0
S 3	15 10	18 45	4 36	18 18	0 44	27 41	4 19	23 9	0 20	8 2	1 24	3 24	2 13	22 52	0 4	22 0
M 4	15 29	17 2	5 6	18 50	0 50	27 43	4 19	23 11	0 23	8 2	1 24	3 27	2 13	22 52	0 4	22 0
T 5	15 47	14 25	5 18	19 20	0 57	27 44	4 20	23 13	0 26	8 2	1 24	3 29	2 13	22 53	0 4	22 0
W 6	16 5	11 7	5 12	19 49	1 3	27 45	4 20	23 14	0 29	8 2	1 23	3 32	2 13	22 53	0 4	22 0
T 7	16 23	7 23	4 51	20 18	1 9	27 45	4 20	23 16	0 32	8 2	1 23	3 34	2 14	22 53	0 4	22 0
F 8	16 40	3 25	4 16	20 45	1 15	27 45	4 19	23 18	0 35	8 2	1 23	3 36	2 14	22 54	0 4	22 0
S 9	16 57	0s37	3 30	21 12	1 21	27 44	4 19	23 20	0 38	8 1	1 23	3 39	2 14	22 54	0 4	22 0
S 10	17 14	4 34	2 36	21 37	1 27	27 43	4 18	23 21	0 41	8 1	1 22	3 41	2 14	22 54	0 4	22 0
M11	17 31	8 18	1 35	22 1	1 32	27 41	4 17	23 23	0 44	8 1	1 22	3 44	2 14	22 54	0 4	22 0
T 12	17 47	11 41	0 31	22 24	1 38	27 39	4 15	23 24	0 47	8 0	1 22	3 46	2 14	22 55	0 4	22 0
W13	18 3	14 35	0n34	22 47	1 43	27 36	4 14	23 25	0 51	7 59	1 22	3 48	2 14	22 55	0 4	22 1
T 14	18 19	16 53	1 38	23 8	1 48	27 33	4 12	23 26	0 54	7 59	1 22	3 51	2 15	22 55	0 4	22 1
F 15	18 34	18 28	2 38	23 27	1 53	27 29	4 9	23 27	0 57	7 58	1 21	3 53	2 15	22 56	0 4	22 1
S 16	18 49	19 15	3 31	23 46	1 58	27 25	4 7	23 28	1 0	7 57	1 21	3 55	2 15	22 56	0 4	22 1
S 17	19 4	18 10	4 15	24 3	2 2	27 21	4 4	23 29	1 3	7 56	1 21	3 58	2 15	22 56	0 4	22 1
M18	19 18	18 13	4 48	24 20	2 6	27 16	4 1	23 29	1 6	7 55	1 21	4 0	2 15	22 57	0 4	22 1
T 19	19 32	16 24	5 9	24 35	2 10	27 11	3 57	23 30	1 9	7 54	1 20	4 2	2 15	22 57	0 4	22 1
W20	19 46	13 47	5 15	24 48	2 13	27 5	3 53	23 30	1 12	7 53	1 20	4 4	2 16	22 57	0 4	22 1
T 21	19 59	10 28	5 6	25 1	2 17	26 59	3 49	23 30	1 15	7 52	1 20	4 6	2 16	22 58	0 4	22 1
F 22	20 12	6 33	4 41	25 12	2 19	26 53	3 45	23 30	1 18	7 50	1 20	4 9	2 16	22 58	0 4	22 1
S 23	20 24	2 12	4 0	25 22	2 22	26 46	3 40	23 30	1 21	7 49	1 19	4 11	2 16	22 58	0 4	22 1
S 24	20 36	2n24	3 3	25 30	2 24	26 39	3 34	23 30	1 24	7 48	1 19	4 13	2 16	22 59	0 4	22 1
M25	20 48	7 0	1 54	25 37	2 26	26 32	3 29	23 30	1 27	7 46	1 19	4 15	2 16	22 59	0 4	22 1
T 26	21 0	11 19	0 36	25 43	2 27	26 24	3 23	23 30	1 30	7 44	1 19	4 17	2 17	22 59	0 4	22 1
W27	21 11	15 0	0s46	25 47	2 28	26 16	3 16	23 29	1 33	7 43	1 19	4 19	2 17	23 0	0 4	22 2
T 28	21 21	17 42	2 6	25 50	2 28	26 8	3 9	23 28	1 36	7 41	1 18	4 21	2 17	23 0	0 4	22 2
F 29	21 31	19 8	3 17	25 52	2 28	25 59	3 1	23 27	1 38	7 39	1 18	4 23	2 17	23 0	0 4	22 2
S 30	21s41	19n12	4s13	25s52	2s27	25s51	2s54	23n27	1n41	7s37	1s18	4s25	2n17	23s 1	0s 4	22n 2

Julian Day Number = 2477051.5, Delta T = 80.95 sec

Ecliptic obliquity = 23°25'41", Nutation = 0°00'08", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 25°42'57", Lahiri = 24°49'58"

ASTRODIENST EPHEMERIS for the year 2069
geocentric

DECEMBER 2069

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 41 47	9♌21'54	13♏ 8	0♈ 3	11♈18	8°R34	13♏44	16♏42	18♌45	10°R22	1°R21	4°R19	2♏48	18♏ 9	0°R36	S 1
M 2	4 45 44	10°22'41	27°28	1°15	11°26	8♏12	13°49	16°47	18°49	10♏21	1°Y20	4♏13	2°44	18°16	0°Y36	M 2
T 3	4 49 40	11°23'30	11♏19	2°25	11°30	7°50	13°54	16°53	18°52	10°20	1°20	4° 9	2°41	18°22	0°35	T 3
W 4	4 53 37	12°24'19	24°40	3°31	11°33	7°28	13°59	16°58	18°56	10°18	1°20	4° 6	2°38	18°29	0°35	W 4
T 5	4 57 33	13°25'10	7♏35	4°33	11°R33	7° 6	14° 5	17° 3	18°59	10°17	1°20	4° 4	2°35	18°35	0°34	T 5
F 6	5 1 30	14°26'03	20° 7	5°32	11°31	6°44	14°10	17° 8	19° 3	10°15	1°19	4°D 4	2°32	18°42	0°34	F 6
S 7	5 5 26	15°26'57	2♏19	6°26	11°26	6°23	14°16	17°13	19° 7	10°14	1°19	4° 5	2°29	18°49	0°34	S 7
S 8	5 9 23	16°27'52	14°18	7°14	11°19	6° 3	14°22	17°18	19°10	10°12	1°19	4° 7	2°25	18°55	0°33	S 8
M 9	5 13 20	17°28'48	26° 9	7°57	11° 9	5°43	14°28	17°23	19°14	10°11	1°19	4° 8	2°22	19° 2	0°33	M 9
T 10	5 17 16	18°29'46	7♏55	8°33	10°57	5°23	14°34	17°28	19°18	10° 9	1°19	4°R 8	2°19	19° 9	0°33	T 10
W11	5 21 13	19°30'44	19°42	9° 1	10°42	5° 4	14°40	17°33	19°21	10° 8	1°19	4° 7	2°16	19°15	0°D33	W11
T 12	5 25 9	20°31'44	1♌31	9°21	10°25	4°46	14°47	17°37	19°25	10° 6	1°19	4° 3	2°13	19°22	0°33	T 12
F 13	5 29 6	21°32'45	13°27	9°31	10° 6	4°28	14°54	17°42	19°29	10° 4	1°19	3°57	2°10	19°29	0°33	F 13
S 14	5 33 2	22°33'46	25°30	9°R31	9°44	4°10	15° 1	17°46	19°32	10° 3	1°18	3°49	2° 6	19°35	0°33	S 14
S 15	5 36 59	23°34'48	7♈42	9°20	9°21	3°54	15° 8	17°51	19°36	10° 1	1°D18	3°39	2° 3	19°42	0°33	S 15
M16	5 40 55	24°35'51	20° 4	8°58	8°55	3°38	15°15	17°55	19°40	10° 0	1°18	3°29	2° 0	19°49	0°34	M16
T 17	5 44 52	25°36'55	2♏37	8°24	8°27	3°23	15°22	17°59	19°43	9°58	1°19	3°19	1°57	19°55	0°34	T 17
W18	5 48 49	26°37'59	15°22	7°38	7°57	3° 8	15°30	18° 3	19°47	9°56	1°19	3°11	1°54	20° 2	0°34	W18
T 19	5 52 45	27°39'04	28°19	6°42	7°26	2°55	15°37	18° 7	19°51	9°55	1°19	3° 5	1°50	20° 9	0°35	T 19
F 20	5 56 42	28°40'08	11♏30	5°37	6°53	2°42	15°45	18°11	19°54	9°53	1°19	3° 1	1°47	20°15	0°35	F 20
S 21	6 0 38	29°41'13	24°57	4°23	6°19	2°30	15°53	18°15	19°58	9°51	1°19	2°D59	1°44	20°22	0°36	S 21
S 22	6 4 35	0♈42'19	8°Y41	3° 4	5°44	2°19	16° 1	18°19	20° 2	9°50	1°19	3° 0	1°41	20°29	0°36	S 22
M23	6 8 31	1°43'24	22°44	1°41	5° 8	2° 8	16°10	18°23	20° 5	9°48	1°19	3° 0	1°38	20°35	0°37	M23
T 24	6 12 28	2°44'30	7♈ 5	0°19	4°32	1°59	16°18	18°26	20° 9	9°46	1°19	3°R 1	1°35	20°42	0°38	T 24
W25	6 16 24	3°45'36	21°43	28♌59	3°55	1°50	16°27	18°30	20°12	9°45	1°20	2°59	1°31	20°48	0°38	W25
T 26	6 20 21	4°46'42	6♏33	27°44	3°19	1°42	16°36	18°33	20°16	9°43	1°20	2°55	1°28	20°55	0°39	T 26
F 27	6 24 18	5°47'48	21°28	26°36	2°42	1°35	16°44	18°37	20°20	9°41	1°20	2°49	1°25	21° 2	0°40	F 27
S 28	6 28 14	6°48'55	6♏20	25°37	2° 6	1°29	16°53	18°40	20°23	9°39	1°21	2°40	1°22	21° 8	0°41	S 28
S 29	6 32 11	7°50'01	21° 0	24°47	1°31	1°23	17° 3	18°43	20°27	9°38	1°21	2°29	1°19	21°15	0°42	S 29
M30	6 36 7	8°51'08	5♏21	24° 9	0°57	1°19	17°12	18°46	20°30	9°36	1°21	2°18	1°16	21°22	0°43	M30
T 31	6 40 4	9♈52'16	19♏16	23♌40	0♈24	1♏15	17♏21	18♏49	20♌34	9♏34	1°Y22	2♏ 8	1♏12	21♏28	0°Y44	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
S 1	21s51	17n57	4s51	25s51	2s25	25s41	2s45	23n26	1n43	7s35	1s18	4s27	2n18	23s 1	0s 4	22n 2
M 2	22 0	15 36	5 10	25 48	2 23	25 32	2 36	23 24	1 46	7 33	1 17	4 28	2 18	23 1	0 4	22 2
T 3	22 8	12 25	5 9	25 44	2 20	25 22	2 27	23 23	1 48	7 31	1 17	4 30	2 18	23 1	0 4	22 2
W 4	22 16	8 42	4 52	25 39	2 16	25 12	2 17	23 22	1 51	7 29	1 17	4 32	2 18	23 2	0 4	22 2
T 5	22 24	4 41	4 20	25 32	2 11	25 2	2 7	23 21	1 53	7 27	1 17	4 34	2 18	23 2	0 4	22 2
F 6	22 31	0 35	3 37	25 24	2 5	24 51	1 56	23 19	1 55	7 24	1 17	4 36	2 19	23 2	0 4	22 2
S 7	22 38	3s26	2 44	25 15	1 59	24 40	1 45	23 18	1 58	7 22	1 16	4 37	2 19	23 3	0 4	22 3
S 8	22 44	7 16	1 46	25 4	1 51	24 29	1 33	23 16	2 0	7 19	1 16	4 39	2 19	23 3	0 4	22 3
M 9	22 50	10 46	0 43	24 53	1 42	24 18	1 20	23 15	2 2	7 17	1 16	4 41	2 19	23 3	0 4	22 3
T 10	22 56	13 49	0n21	24 41	1 32	24 6	1 8	23 13	2 4	7 14	1 16	4 42	2 20	23 4	0 4	22 3
W11	23 1	16 19	1 23	24 27	1 20	23 54	0 54	23 11	2 6	7 12	1 16	4 44	2 20	23 4	0 4	22 3
T 12	23 5	18 8	2 23	24 13	1 7	23 42	0 41	23 10	2 7	7 9	1 15	4 45	2 20	23 4	0 4	22 3
F 13	23 9	19 9	3 16	23 58	0 53	23 29	0 27	23 8	2 9	7 6	1 15	4 47	2 20	23 5	0 4	22 3
S 14	23 13	19 20	4 1	23 43	0 38	23 17	0 12	23 7	2 11	7 3	1 15	4 48	2 20	23 5	0 4	22 3
S 15	23 16	18 37	4 36	23 27	0 21	23 4	0n 2	23 5	2 12	7 0	1 15	4 50	2 21	23 5	0 4	22 4
M16	23 19	17 1	4 58	23 11	0 3	22 50	0 17	23 3	2 14	6 57	1 14	4 51	2 21	23 5	0 4	22 4
T 17	23 21	14 35	5 6	22 54	0n16	22 37	0 33	23 2	2 15	6 54	1 14	4 53	2 21	23 6	0 4	22 4
W18	23 23	11 27	4 59	22 37	0 35	22 23	0 48	23 0	2 17	6 51	1 14	4 54	2 21	23 6	0 4	22 4
T 19	23 24	7 43	4 37	22 20	0 55	22 10	1 4	22 59	2 18	6 48	1 14	4 55	2 22	23 6	0 4	22 4
F 20	23 25	3 32	4 0	22 3	1 15	21 56	1 19	22 58	2 19	6 45	1 14	4 57	2 22	23 7	0 4	22 4
S 21	23 26	0n54	3 9	21 47	1 35	21 42	1 35	22 56	2 20	6 42	1 14	4 58	2 22	23 7	0 4	22 4
S 22	23 26	5 23	2 7	21 30	1 53	21 28	1 51	22 55	2 21	6 38	1 13	4 59	2 22	23 7	0 4	22 4
M23	23 25	9 41	0 55	21 15	2 10	21 14	2 6	22 54	2 22	6 35	1 13	5 0	2 23	23 7	0 4	22 4
T 24	23 24	13 32	0s22	21 0	2 25	21 0	2 22	22 53	2 23	6 31	1 13	5 1	2 23	23 8	0 4	22 5
W25	23 22	16 36	1 38	20 47	2 38	20 46	2 37	22 52	2 24	6 28	1 13	5 2	2 23	23 8	0 4	22 5
T 26	23 20	18 37	2 49	20 35	2 49	20 32	2 51	22 51	2 25	6 24	1 13	5 3	2 23	23 8	0 4	22 5
F 27	23 18	19 21	3 49	20 26	2 57	20 18	3 6	22 51	2 26	6 21	1 12	5 4	2 24	23 9	0 4	22 5
S 28	23 15	18 45	4 32	20 18	3 3	20 5	3 20	22 50	2 26	6 17	1 12	5 5	2 24	23 9	0 4	22 5
S 29	23 12	16 53	4 57	20 13	3 6	19 52	3 33	22 49	2 27	6 13	1 12	5 6	2 24	23 9	0 4	22 5
M30	23 8	14 1	5 3	20 10	3 8	19 39	3 46	22 49	2 27	6 9	1 12	5 7	2 24	23 9	0 4	22 5
T 31	23s 4	10n26	4s50	20s10	3n 7	19s27	3n59	22n49	2n28	6s 6	1s12	5s 8	2n25	23s10	0s 4	22n 6

Julian Day Number = 2477081.5, Delta T = 80.98 sec
Ecliptic obliquity = 23°25'40, Nutation = 0°00'09, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 25°43'02, Lahiri = 24°50'02