



Astrodienst Ephemeris Tables for the year 1749

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 1749

geocentric

JANUARY 1749

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	6 43 0	10°34'26	10°46	22°14	2°0	7°16	22°36	17°49	15°24	24°24	0°45	28°43	29°37	10°17	16°47	W 1
T 2	6 46 57	11°50'35	23° 3	23°39	3°12	7°52	22°49	17°54	15°27	24°23	0°47	28°40	29°34	10°23	16°50	T 2
F 3	6 50 54	12°51'44	5°51	25° 5	4°25	8°28	23° 2	17°59	15°30	24°21	0°49	28°38	29°31	10°30	16°54	F 3
S 4	6 54 50	13°52'53	17°11	26°32	5°38	9° 4	23°14	18° 5	15°33	24°19	0°51	28°37	29°28	10°37	16°57	S 4
S 5	6 58 47	14°54'02	29° 4	27°59	6°51	9°40	23°27	18°10	15°36	24°18	0°53	28°D36	29°25	10°43	17° 0	S 5
M 6	7 2 43	15°55'10	10°53	29°27	8° 3	10°16	23°40	18°14	15°40	24°16	0°55	28°37	29°22	10°50	17° 3	M 6
T 7	7 6 40	16°56'18	22°41	0°55	9°16	10°52	23°53	18°19	15°43	24°14	0°57	28°38	29°18	10°57	17° 6	T 7
W 8	7 10 36	17°57'26	4°19	2°24	10°29	11°28	24° 6	18°24	15°46	24°13	0°58	28°39	29°15	11° 3	17° 9	W 8
T 9	7 14 33	18°58'34	16°22	3°54	11°42	12° 3	24°19	18°29	15°49	24°11	1° 0	28°40	29°12	11°10	17°12	T 9
F 10	7 18 29	19°59'42	28°23	5°24	12°55	12°39	24°32	18°33	15°52	24° 9	1° 2	28°41	29° 9	11°16	17°14	F 10
S 11	7 22 26	21° 0'49	10°38	6°55	14° 8	13°15	24°45	18°38	15°56	24° 8	1° 4	28°41	29° 6	11°23	17°17	S 11
S 12	7 26 23	22° 1'56	23° 9	8°26	15°21	13°50	24°59	18°42	15°59	24° 6	1° 5	28°R41	29° 3	11°30	17°19	S 12
M13	7 30 19	23° 3'04	6°11	9°58	16°34	14°26	25°12	18°47	16° 2	24° 4	1° 7	28°41	28°59	11°36	17°21	M13
T14	7 34 16	24° 4'11	19°20	11°30	17°48	15° 1	25°25	18°51	16° 5	24° 3	1° 9	28°41	28°56	11°43	17°23	T14
W15	7 38 12	25° 5'17	3°31	13° 3	19° 1	15°37	25°39	18°55	16° 9	24° 1	1°10	28°40	28°53	11°50	17°25	W15
T16	7 42 9	26° 6'24	17°18	14°36	20°14	16°12	25°52	19° 0	16°12	23°59	1°12	28°40	28°50	11°56	17°27	T16
F17	7 46 5	27° 7'30	1°55	16°10	21°27	16°48	26° 6	19° 4	16°15	23°57	1°13	28°40	28°47	12° 3	17°29	F17
S18	7 50 2	28° 8'35	16°52	17°45	22°41	17°23	26°19	19° 8	16°19	23°56	1°15	28°40	28°43	12°10	17°31	S18
S19	7 53 59	29° 9'40	2°22	19°20	23°54	17°58	26°33	19°11	16°22	23°54	1°16	28°40	28°40	12°16	17°32	S19
M20	7 57 55	0°10'44	17°14	20°56	25° 8	18°34	26°47	19°15	16°25	23°52	1°18	28°40	28°37	12°23	17°33	M20
T21	8 1 52	1°11'47	2°19	22°32	26°21	19° 9	27° 0	19°19	16°29	23°51	1°19	28°40	28°34	12°30	17°35	T21
W22	8 5 48	2°12'49	17° 8	24° 9	27°35	19°44	27°14	19°23	16°32	23°49	1°21	28°39	28°31	12°36	17°36	W22
T23	8 9 45	3°13'50	1°36	25°46	28°48	20°19	27°28	19°26	16°35	23°47	1°22	28°39	28°28	12°43	17°37	T23
F24	8 13 41	4°14'49	15°39	27°25	0°3	20°54	27°42	19°30	16°39	23°46	1°23	28°38	28°24	12°50	17°38	F24
S25	8 17 38	5°15'48	29°16	29° 3	1°15	21°29	27°56	19°33	16°42	23°44	1°25	28°D38	28°21	12°56	17°39	S25
S26	8 21 34	6°16'45	12°28	0°43	2°29	22° 4	28°10	19°36	16°46	23°42	1°26	28°38	28°18	13° 3	17°39	S26
M27	8 25 31	7°17'41	25°18	2°23	3°42	22°38	28°24	19°40	16°49	23°41	1°27	28°38	28°15	13°10	17°40	M27
T28	8 29 28	8°18'36	7°11	4° 4	4°56	23°13	28°38	19°43	16°53	23°39	1°29	28°39	28°12	13°16	17°40	T28
W29	8 33 24	9°19'29	20° 6	5°46	6°10	23°48	28°52	19°46	16°56	23°37	1°30	28°40	28° 9	13°23	17°40	W29
T30	8 37 21	10°20'21	2°51	7°28	7°23	24°23	29° 6	19°49	17° 0	23°36	1°31	28°41	28° 5	13°29	17°41	T30
F31	8 41 17	11°21'12	14°57	9°11	8°37	24°57	29°20	19°51	17°33	23°34	1°32	28°42	28° 2	13°36	17°R41	F31

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	23s 2	25n58	3n55	22s54	0n21	18s36	2n 2	12s53	1n 8	14s52	0s55	15s 3	2n12	16s53	0s40	20n48	0s29	8s 6	12n30	20s27	20s15	16n46	8s33	2s 6	
T 2	22 57	26 22	3 4	23 6	0 13	18 52	2 0	13 5	1 8	14 48	0 55	15 5	2 12	16 52	0 40	20 48	0 29	8 6	12 30	20 27	20 16	16 44	8 34	2 6	
F 3	22 51	25 28	2 6	23 18	0 5	19 7	1 58	13 17	1 8	14 43	0 55	15 6	2 12	16 51	0 40	20 48	0 29	8 6	12 30	20 28	20 17	16 41	8 35	2 6	
S 4	22 45	23 24	1 3	23 28	0s 2	19 22	1 56	13 29	1 7	14 39	0 55	15 7	2 12	16 50	0 40	20 49	0 29	8 6	12 30	20 28	20 17	16 38	8 36	2 6	
S 5	22 38	20 20	0s 3	23 37	0 10	19 36	1 54	13 40	1 7	14 35	0 55	15 9	2 12	16 49	0 40	20 49	0 29	8 7	12 30	20 28	20 18	16 36	8 38	2 6	
M 6	22 31	16 26	1 8	23 45	0 17	19 50	1 52	13 52	1 7	14 31	0 55	15 10	2 13	16 48	0 40	20 49	0 29	8 7	12 31	20 28	20 19	16 33	8 39	2 6	
T 7	22 24	11 56	2 10	23 52	0 24	20 4	1 50	14 3	1 6	14 26	0 55	15 11	2 13	16 47	0 40	20 49	0 29	8 7	12 31	20 28	20 19	16 31	8 40	2 6	
W 8	22 16	6 59	3 6	23 58	0 31	20 17	1 48	14 15	1 6	14 22	0 55	15 12	2 13	16 46	0 40	20 50	0 29	8 7	12 31	20 28	20 20	16 28	8 41	2 6	
T 9	22 8	1 46	3 55	24 3	0 38	20 29	1 45	14 26	1 6	14 18	0 55	15 13	2 13	16 45	0 40	20 50	0 29	8 7	12 31	20 27	20 21	16 25	8 42	2 6	
F 10	21 59	3s33	4 35	24 6	0 45	20 41	1 43	14 37	1 5	14 13	0 55	15 14	2 13	16 44	0 40	20 50	0 29	8 7	12 32	20 27	20 21	16 23	8 43	2 6	
S 11	21 50	8 51	5 2	24 8	0 51	20 52	1 40	14 48	1 5	14 9	0 55	15 15	2 13	16 43	0 40	20 51	0 29	8 7	12 32	20 27	20 22	16 20	8 43	2 5	
S 12	21 40	13 54	5 16	24 9	0 57	21 3	1 38	14 59	1 5	14 4	0 55	15 16	2 13	16 42	0 40	20 51	0 29	8 7	12 32	20 27	20 23	16 17	8 44	2 5	
M13	21 30	18 30	5 15	24 9	1 3	21 13	1 35	15 10	1 4	14 0	0 55	15 18	2 14	16 41	0 40	20 51	0 29	8 7	12 32	20 27	20 23	16 15	8 45	2 5	
T14	21 20	22 21	4 58	24 7	1 9	21 22	1 33	15 21	1 4	13 55	0 55	15 19	2 14	16 40	0 40	20 52	0 29	8 8	12 33	20 27	20 24	16 12	8 46	2 5	
W15	21 9	25 6	4 23	24 4	1 14	21 31	1 30	15 31	1 4	13 51	0 55	15 19	2 14	16 39	0 40	20 52	0 29	8 8	12 33	20 27	20 25	16 9	8 46	2 5	
T16	20 57	26 21	3 31	24 0	1 20	21 39	1 28	15 42	1 3	13 46	0 55	15 20	2 14	16 38	0 40	20 52	0 29	8 8	12 33	20 27	20 25	16 7	8 47	2 5	
F17	20 46	25 51	2 23	23 54	1 25	21 47	1 25	15 52	1 3	13 42	0 55	15 21	2 14	16 37	0 40	20 52	0 29	8 8	12 33	20 27	20 26	16 4	8 48	2 5	
S18	20 34	23 29	1 5	23 46	1 30	21 54	1 22	16 3	1 3	13 37	0 55	15 22	2 15	16 36	0 40	20 53	0 29	8 8	12 34	20 27	20 27	16 1	8 48	2 5	
S 19	20 21	19 26	0n19	23 38	1 34	22 1	1 19	16 13	1 2	13 32	0 55	15 23	2 15	16 35	0 40	20 53	0 29	8 8	12 34	20 27	20 27	15 59	8 49	2 5	
M20	20 8	14 5	1 42	23 28	1 38	22 6	1 17	16 23	1 2	13 28	0 55	15 24	2 15	16 34	0 40	20 53	0 29	8 8	12 34	20 27	20 28	15 56	8 49	2 5	
T21	19 55	7 55	2 57	23 16	1 42	22 12	1 14	16 33	1 2	13 23	0 55	15 25	2 15	16 33	0 40	20 54	0 29	8 8	12 34	20 27	20 29	15 53	8 50	2 5	
W22	19 42	1 26	3 58	23 3	1 46	22 16	1 11	16 43	1 1	13 18	0 55	15 26	2 15	16 32	0 40	20 54	0 29	8 8	12 35	20 28	20 29	15 51	8 50	2 4	
T23	19 28	4n58	4 43	22 49	1 50	22 20	1 8	16 53	1 1	13 13	0 55	15 26	2 15	16 31	0 40	20 54	0 29	8 8	12 35	20 28	20 30	15 48	8 50	2 4	
F24	19 13	10 56	5 10	22 33	1 53	22 23	1 5	17 2	1 0	13 9	0 55	15 27	2 16	16 30	0 40	20 55	0 29	8 8	12 35	20 28	20 31	15 45	8 50	2 4	
S25	18 59	16 11	5 18	22 15	1 55	22 26	1 2	17 12	1 0	13 4	0 55	15 28	2 16	16 29	0 40	20 55	0 29	8 8	12 36	20 28	20 31	15 43	8 51	2 4	
S 26	18 44	20 30	5 9	21 57	1 58	22 28	0 59	17 21	0 59	12 59	0 55	15 29	2 16	16 28	0 40	20 55	0 29	8 7	12 36	20 28	20 32	15 40	8 51	2 4	
M27	18 28	23 43	4 44	21 36	2 0	22 29	0 56	17 30	0 59	12 54	0 55	15 29	2 16	16 27	0 40	20 55	0 29	8 7	12 36	20 28	20 32	15 37	8 51	2 4	
T28	18 13	25 42	4 7	21 14	2 2	22 30	0 53	17 40	0 58	12 49	0 55	15 30	2 16	16 26	0 40	20 56	0 29	8 7	12 37	20 28	20 33	15 34	8 51	2 4	
W29	17 57	26 24	3 18	20 51	2 3	22 30	0 50	17 49	0 58	12 44	0 55	15 31	2 17	16 25	0 40	20 56	0 29	8 7	12 37	20 27	20 34	15 32	8 51	2 4	
T30	17 40	25 49	2 22	20 26	2 4	22 29	0 47	17 58	0 58	12 39	0 55	15 31	2 17	16 24	0 40	20 56	0 29	8 7	12 37	20 27	20 34	15 29	8 51	2 4	
F31	17s24	24n 3	1n20	19s59	2s 5	22s28	0n44	18s 7	0n57	12s34	0s55	15s32	2n17	16s23	0s40	20n57	0s29	8s 7	12n38	20s27	20s35	15n26	8s51	2s 4	

ASTRODIENST EPHEMERIS for the year 1749
geocentric

FEBRUARY 1749

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 45 14	12 ²² 01	25 ⁵⁸ 58	10 ⁵⁵ 55	9 ⁵¹ 51	25 ³² 32	29 ³⁴ 34	19 ⁵⁴ 54	17 ³³ 33	23 ³³ 33	1 ³³ 33	28 ⁴³ 43	27 ⁵⁹ 59	13 ⁴³ 43	17 ⁴¹ 41	S 1
S 2	8 49 10	13 ²² 50	7 ⁴⁷ 47	12 ³⁹ 39	11 ⁴ 4	26 ⁶ 6	29 ⁴⁸ 48	19 ⁵⁷ 57	17 ¹⁰ 10	23 ³¹ 31	1 ³⁴ 34	28 ⁴³ 43	27 ⁵⁶ 56	13 ⁴⁹ 49	17 ⁴⁰ 40	S 2
M 3	8 53 7	14 ²³ 37	19 ³⁵ 35	14 ²⁴ 24	12 ¹⁸ 18	26 ⁴⁰ 40	0 ² 2	19 ⁵⁹ 59	17 ¹³ 13	23 ³⁰ 30	1 ³⁵ 35	28 ⁴² 42	27 ⁵³ 53	13 ⁵⁶ 56	17 ⁴⁰ 40	M 3
T 4	8 57 3	15 ²⁴ 22	1 ²⁵ 25	16 ¹⁰ 10	13 ³² 32	27 ¹⁵ 15	0 ¹⁷ 17	20 ² 2	17 ¹⁷ 17	23 ²⁸ 28	1 ³⁶ 36	28 ⁴⁰ 40	27 ⁴⁹ 49	14 ³ 3	17 ⁴⁰ 40	T 4
W 5	9 1 0	16 ²⁵ 07	13 ¹⁸ 18	17 ⁵⁷ 57	14 ⁴⁶ 46	27 ⁴⁹ 49	0 ³¹ 31	20 ⁴ 4	17 ²⁰ 20	23 ²⁶ 26	1 ³⁷ 37	28 ³⁷ 37	27 ⁴⁶ 46	14 ⁹ 9	17 ³⁹ 39	W 5
T 6	9 4 57	17 ²⁵ 50	25 ¹⁷ 17	19 ⁴⁴ 44	16 ⁰ 0	28 ²³ 23	0 ⁴⁵ 45	20 ⁶ 6	17 ²⁴ 24	23 ²⁵ 25	1 ³⁸ 38	28 ³⁴ 34	27 ⁴³ 43	14 ¹⁶ 16	17 ³⁸ 38	T 6
F 7	9 8 53	18 ²⁶ 32	7 ²⁴ 24	21 ³³ 33	17 ¹³ 13	28 ⁵⁷ 57	0 ⁵⁹ 59	20 ⁸ 8	17 ²⁷ 27	23 ²³ 23	1 ³⁹ 39	28 ³¹ 31	27 ⁴⁰ 40	14 ²³ 23	17 ³⁸ 38	F 7
S 8	9 12 50	19 ²⁷ 13	19 ⁴² 42	23 ²¹ 21	18 ²⁷ 27	29 ³¹ 31	1 ¹⁴ 14	20 ¹¹ 11	17 ³¹ 31	23 ²² 22	1 ⁴⁰ 40	28 ²⁸ 28	27 ³⁷ 37	14 ²⁹ 29	17 ³⁷ 37	S 8
S 9	9 16 46	20 ²⁷ 53	2 ¹⁴ 14	25 ¹¹ 11	19 ⁴¹ 41	0 ⁵ 5	1 ²⁸ 28	20 ¹³ 13	17 ³⁴ 34	23 ²⁰ 20	1 ⁴¹ 41	28 ²⁶ 26	27 ³⁴ 34	14 ³⁶ 36	17 ³⁶ 36	S 9
M10	9 20 43	21 ²⁸ 31	15 ³ 3	27 ⁰ 0	20 ⁵⁵ 55	0 ³⁹ 39	1 ⁴² 42	20 ¹⁴ 14	17 ³⁸ 38	23 ¹⁹ 19	1 ⁴² 42	28 ²⁵ 25	27 ³⁰ 30	14 ⁴³ 43	17 ³⁵ 35	M10
T 11	9 24 39	22 ²⁹ 09	28 ¹³ 13	28 ⁵¹ 51	22 ⁹ 9	1 ¹³ 13	1 ⁵⁷ 57	20 ¹⁶ 16	17 ⁴¹ 41	23 ¹⁷ 17	1 ⁴² 42	28 ²⁵ 25	27 ²⁷ 27	14 ⁴⁹ 49	17 ³³ 33	T 11
W12	9 28 36	23 ²⁹ 45	11 ⁴⁷ 47	0 ⁴¹ 41	23 ²³ 23	1 ⁴⁶ 46	2 ¹¹ 11	20 ¹⁸ 18	17 ⁴⁵ 45	23 ¹⁶ 16	1 ⁴³ 43	28 ²⁶ 26	27 ²⁴ 24	14 ⁵⁶ 56	17 ³² 32	W12
T 13	9 32 32	24 ³⁰ 21	25 ⁴⁵ 45	2 ³² 32	24 ³⁷ 37	2 ²⁰ 20	2 ²⁶ 26	20 ¹⁹ 19	17 ⁴⁸ 48	23 ¹⁵ 15	1 ⁴⁴ 44	28 ²⁷ 27	27 ²¹ 21	15 ³ 3	17 ³⁰ 30	T 13
F 14	9 36 29	25 ³⁰ 55	10 ⁸ 8	4 ²³ 23	25 ⁵¹ 51	2 ⁵⁴ 54	2 ⁴⁰ 40	20 ²¹ 21	17 ⁵² 52	23 ¹³ 13	1 ⁴⁵ 45	28 ²⁸ 28	27 ¹⁸ 18	15 ⁹ 9	17 ²⁹ 29	F 14
S 15	9 40 26	26 ³¹ 27	24 ⁵⁴ 54	6 ¹⁴ 14	27 ⁵ 5	3 ²⁷ 27	2 ⁵⁵ 55	20 ²² 22	17 ⁵⁵ 55	23 ¹² 12	1 ⁴⁵ 45	28 ²⁹ 29	27 ¹⁵ 15	15 ¹⁶ 16	17 ²⁷ 27	S 15
S 16	9 44 22	27 ³¹ 59	9 ⁵⁶ 56	8 ⁵ 5	28 ¹⁹ 19	4 ⁰ 0	3 ⁹ 9	20 ²³ 23	17 ⁵⁹ 59	23 ¹¹ 11	1 ⁴⁶ 46	28 ²⁹ 29	27 ¹¹ 11	15 ²³ 23	17 ²⁵ 25	S 16
M17	9 48 19	28 ³² 28	25 ⁹ 9	9 ⁵⁵ 55	29 ³³ 33	4 ³⁴ 34	3 ²³ 23	20 ²⁵ 25	18 ² 2	23 ⁹ 9	1 ⁴⁶ 46	28 ²⁷ 27	27 ⁸ 8	15 ²⁹ 29	17 ²³ 23	M17
T 18	9 52 15	29 ³² 56	10 ²¹ 21	11 ⁴⁴ 44	0 ⁴⁷ 47	5 ⁷ 7	3 ³⁸ 38	20 ²⁶ 26	18 ⁵ 5	23 ⁸ 8	1 ⁴⁷ 47	28 ²⁴ 24	27 ⁵ 5	15 ³⁶ 36	17 ²¹ 21	T 18
W19	9 56 12	0 ³³ 22	25 ²³ 23	13 ³² 32	2 ¹ 1	5 ⁴⁰ 40	3 ⁵² 52	20 ²⁷ 27	18 ⁹ 9	23 ⁷ 7	1 ⁴⁷ 47	28 ¹⁹ 19	27 ² 2	15 ⁴² 42	17 ¹⁹ 19	W19
T 20	10 0 8	1 ³³ 47	10 ⁵ 5	15 ¹⁸ 18	3 ¹⁵ 15	6 ¹³ 13	4 ⁷ 7	20 ²⁷ 27	18 ¹² 12	23 ⁵ 5	1 ⁴⁸ 48	28 ¹⁴ 14	26 ⁵⁹ 59	15 ⁴⁹ 49	17 ¹⁷ 17	T 20
F 21	10 4 5	2 ³⁴ 09	24 ²² 22	17 ² 2	4 ²⁹ 29	6 ⁴⁵ 45	4 ²¹ 21	20 ²⁸ 28	18 ¹⁶ 16	23 ⁴ 4	1 ⁴⁸ 48	28 ⁹ 9	26 ⁵⁵ 55	15 ⁵⁶ 56	17 ¹⁵ 15	F 21
S 22	10 8 1	3 ³⁴ 30	8 ¹⁰ 10	18 ⁴⁴ 44	5 ⁴³ 43	7 ¹⁸ 18	4 ³⁶ 36	20 ²⁹ 29	18 ¹⁹ 19	23 ³ 3	1 ⁴⁹ 49	28 ⁵ 5	26 ⁵² 52	16 ² 2	17 ¹² 12	S 22
S 23	10 11 58	4 ³⁴ 49	21 ³⁰ 30	20 ²³ 23	6 ⁵⁷ 57	7 ⁵¹ 51	4 ⁵⁰ 50	20 ²⁹ 29	18 ²² 22	23 ² 2	1 ⁴⁹ 49	28 ³ 3	26 ⁴⁹ 49	16 ⁹ 9	17 ¹⁰ 10	S 23
M24	10 15 55	5 ³⁵ 05	4 ²³ 23	21 ⁵⁸ 58	8 ¹¹ 11	8 ²³ 23	5 ⁵ 5	20 ³⁰ 30	18 ²⁶ 26	23 ¹ 1	1 ⁴⁹ 49	28 ² 2	26 ⁴⁶ 46	16 ¹⁶ 16	17 ⁷ 7	M24
T 25	10 19 51	6 ³⁵ 20	16 ⁵³ 53	23 ³⁰ 30	9 ²⁵ 25	8 ⁵⁶ 56	5 ¹⁹ 19	20 ³⁰ 30	18 ²⁹ 29	22 ⁵⁹ 59	1 ⁵⁰ 50	28 ² 2	26 ⁴³ 43	16 ²² 22	17 ⁴ 4	T 25
W26	10 23 48	7 ³⁵ 33	29 ⁶ 6	24 ⁵⁶ 56	10 ³⁹ 39	9 ²⁸ 28	5 ³⁴ 34	20 ³⁰ 30	18 ³³ 33	22 ⁵⁸ 58	1 ⁵⁰ 50	28 ⁴ 4	26 ⁴⁰ 40	16 ²⁹ 29	17 ¹ 1	W26
T 27	10 27 44	8 ³⁵ 43	11 ⁵ 5	26 ¹⁷ 17	11 ⁵³ 53	10 ⁰ 0	5 ⁴⁸ 48	20 ³⁰ 30	18 ³⁶ 36	22 ⁵⁷ 57	1 ⁵⁰ 50	28 ⁵ 5	26 ³⁶ 36	16 ³⁶ 36	16 ⁵⁸ 58	T 27
F 28	10 31 41	9 ³⁵ 52	22 ⁵⁶ 56	27 ³³ 33	13 ³³ 33	10 ³² 32	6 ³ 3	20 ³⁰ 30	18 ³⁹ 39	22 ⁵⁶ 56	1 ⁵⁰ 50	28 ⁷ 7	26 ³³ 33	16 ⁴² 42	16 ⁵⁵ 55	F 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
S 1	17s 7	21n14	0n15	19s31	2s 5	22s26	0n41	18s15	0n57	12s30	0s55	15s32	2n17	16s22	0s40	20n57	0s29	8s 7	12n38	20s27	20s36	15n24	8s51	2s 3	
S 2	16 50	17 33	0s50	19 1	2 4	22 23	0 38	18 24	0 56	12 25	0 55	15 33	2 17	16 21	0 40	20 57	0 29	8 7	12 38	20 27	20 36	15 21	8 51	2 3	
M 3	16 32	13 11	1 53	18 30	2 4	22 19	0 35	18 32	0 55	12 20	0 55	15 33	2 18	16 20	0 40	20 58	0 28	8 7	12 39	20 27	20 37	15 18	8 50	2 3	
T 4	16 14	8 19	2 51	17 57	2 2	22 15	0 32	18 41	0 55	12 15	0 55	15 34	2 18	16 19	0 40	20 58	0 28	8 7	12 39	20 27	20 38	15 15	8 50	2 3	
W 5	15 56	3 9	3 42	17 23	2 1	22 11	0 29	18 49	0 54	12 10	0 55	15 34	2 18	16 18	0 40	20 58	0 28	8 6	12 39	20 28	20 38	15 13	8 50	2 3	
T 6	15 38	2s10	4 24	16 47	1 59	22 5	0 26	18 57	0 54	12 4	0 55	15 34	2 18	16 17	0 40	20 58	0 28	8 6	12 40	20 29	20 39	15 10	8 49	2 3	
F 7	15 19	7 27	4 54	16 10	1 56	21 59	0 23	19 5	0 53	11 59	0 55	15 35	2 18	16 15	0 40	20 59	0 28	8 6	12 40	20 29	20 39	15 7	8 49	2 3	
S 8	15 0	12 31	5 12	15 31	1 53	21 52	0 20	19 13	0 53	11 54	0 55	15 35	2 19	16 14	0 40	20 59	0 28	8 6	12 40	20 30	20 40	15 5	8 48	2 2	
S 9	14 41	17 11	5 15	14 51	1 49	21 45	0 17	19 21	0 52	11 49	0 55	15 36	2 19	16 13	0 40	20 59	0 28	8 6	12 41	20 30	20 41	15 2	8 48	2 2	
M10	14 22	21 11	5 2	14 10	1 44	21 37	0 14	19 29	0 52	11 44	0 55	15 36	2 19	16 12	0 40	20 59	0 28	8 6	12 41	20 31	20 41	14 59	8 47	2 2	
T 11	14 2	24 14	4 34	13 27	1 39	21 28	0 11	19 36	0 51	11 39	0 55	15 36	2 19	16 11	0 40	21 0	0 28	8 5	12 41	20 31	20 42	14 56	8 47	2 2	
W12	13 42	26 1	3 50	12 42	1 34	21 19	0 8	19 43	0 50	11 34	0 55	15 36	2 19	16 10	0 40	21 0	0 28	8 5	12 42	20 30	20 43	14 54	8 46	2 2	
T 13	13 22	26 15	2 51	11 57	1 28	21 9	0 5	19 51	0 50	11 29	0 55	15 37	2 20	16 9	0 40	21 0	0 28	8 5	12 42	20 30	20 43	14 51	8 45	2 2	
F 14	13 2	24 44	1 39	11 10	1 21	20 59	0 2	19 58	0 49	11 24	0 55	15 37	2 20	16 8	0 40	21 0	0 28	8 5	12 42	20 30	20 44	14 48	8 45	2 2	
S 15	12 42	21 30	0 20	10 22	1 13	20 48	0s 1	20 5	0 48	11 18	0 55	15 37	2 20	16 7	0 40	21 1	0 28	8 5	12 43	20 30	20 44	14 45	8 44	2 1	
S 16	12 21	16 47	1n 3	9 33	1 5	20 36	0 4	20 12	0 48	11 13	0 55	15 37	2 20	16 6	0 40	21 1	0 28	8 4	12 43	20 30	20 45	14 43	8 43	2 1	
M17	12 0	10 56	2 21	8 44	0 56	20 23	0 7	20 19	0 47	11 8	0 55	15 37	2 20	16 5	0 40	21 1	0 28	8 4	12 43	20 30	20 46	14 40	8 42	2 1	
T 18	11 39	4 28	3 30	7 54	0 47	20 10	0 10	20 25	0 46	11 3	0 55	15 37	2 21	16 4	0 40	21 1	0 28	8 4	12 44	20 31	20 46	14 37	8 41	2 1	
W19	11 17	2n11	4 23	7 3	0 37	19 57	0 13	20 32	0 46	10 57	0 55	15 37	2 21	16 3	0 40	21 2	0 28	8 4	12 44	20 32	20 47	14 34	8 40	2 1	
T 20	10 56	8 33	4 57	6 12	0 26	19 43	0 15	20 38	0 45	10 52	0 55	15 37	2 21	16 2	0 40	21 2	0 28	8 3	12 44	20 33	20 48	14 32	8 39	2 1	
F 21	10 34	14 17	5 12	5 21	0 14	19 28	0 18	20 45	0 44	10 47	0 55	15 37	2 21	16 1	0 40	21 2	0 28	8 3	12 45	20 34	20 48	14 29	8 38	2 0	
S 22	10 13	19 6	5 7	4 30	0 2	19 13	0 21	20 51	0 43	10 42	0 55	15 37	2 21	16 0	0 40	21 2	0 28	8 3	12 45	20 34	20 49	14 26	8 37	2 0	
S 23	9 51	22 46	4 47	3 40	0n10	18 57	0 24	20 57	0 43	10 36	0 55	15 37	2 22	15 59	0 40	21 3	0 28	8 2	12 45	20 35	20 49	14 23	8 36	2 0	
M24	9 29	25 10	4 12	2 50	0 23	18 40	0 26	21 3	0 42	10 31	0 55	15 37	2 22	15 58	0 40	21 3	0 28	8 2	12 46	20 35	20 50	14 20	8 35	2 0	
T 25	9 6	26 14	3 26	2 2	0 37	18 23	0 29	21 9	0 41	10 26	0 55	15 37	2 22	15 57	0 40	21 3	0 28	8 2	12 46	20 35	20 51	14 18	8 33	2 0	
W26	8 44	26 0	2 31	1 15	0 50	18 6	0 32	21 14	0 40	10 21	0 55	15 37	2 22	15 56	0 40	21 3	0 28	8 2	12 47	20 35	20 51	14 15	8 32	1 59	
T 27	8 22	24 32	1 31	0 29	1 4	17 48	0 34	21 20	0 39	10 15	0 56	15 37	2 22	15 55	0 40	21 3	0 28	8 1	12 47	20 34	20 52	14 12	8 31	1 59	
F 28	7s59	21n59	0n28	0n14	1n19	17s29	0s37	21s26	0n38	10s10	0s56	15s36	2n23	15s54	0s40	21n 4	0s28	8s 1	12n47	20s34	20s52	14n 9	8s29	1s59	

ASTRODIENST EPHEMERIS for the year 1749
geocentric

MARCH 1749

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 35 37	10 ^h 35'58	4 ^h 44	28 ^h 42	14 ^h 21	11 ^h 4	6 ^h 17	20 ^h R30	18 ^h 42	22 ^h R55	1 ^h 50	28 ^h R 6	26 ^h 30	16 ^h 49	16 ^h R52	S 1
S 2	10 39 34	11 ^h 36'02	16 ^h 30	29 ^h 44	15 ^h 35	11 ^h 36	6 ^h 32	20 ^h M30	18 ^h 46	22 ^h 54	1 ^h 51	28 ^h 3 5	26 ^h 27	16 ^h 56	16 ^h 49	S 2
M 3	10 43 30	12 ^h 36'05	28 ^h 20	0 ^h Y39	16 ^h 49	12 ^h 8	6 ^h 46	20 ^h 30	18 ^h 49	22 ^h 53	1 ^h 51	28 ^h 0	26 ^h 24	17 ^h 2	16 ^h 46	M 3
T 4	10 47 27	13 ^h 36'05	10 ^h M15	1 ^h 25	18 ^h 3	12 ^h 39	7 ^h 1	20 ^h 29	18 ^h 52	22 ^h 52	1 ^h 51	27 ^h 54	26 ^h 21	17 ^h 9	16 ^h 42	T 4
W 5	10 51 24	14 ^h 36'03	22 ^h 16	2 ^h 4	19 ^h 17	13 ^h 11	7 ^h 15	20 ^h 29	18 ^h 56	22 ^h 51	1 ^h R51	27 ^h 46	26 ^h 17	17 ^h 16	16 ^h 39	W 5
T 6	10 55 20	15 ^h 36'00	4 ^h 26	2 ^h 34	20 ^h 31	13 ^h 42	7 ^h 29	20 ^h 28	18 ^h 59	22 ^h 50	1 ^h 51	27 ^h 37	26 ^h 14	17 ^h 22	16 ^h 35	T 6
F 7	10 59 17	16 ^h 35'54	16 ^h 45	2 ^h 55	21 ^h 45	14 ^h 13	7 ^h 44	20 ^h 28	19 ^h 2	22 ^h 49	1 ^h 51	27 ^h 28	26 ^h 11	17 ^h 29	16 ^h 32	F 7
S 8	11 3 13	17 ^h 35'47	29 ^h 15	3 ^h 7	22 ^h 59	14 ^h 44	7 ^h 58	20 ^h 27	19 ^h 5	22 ^h 49	1 ^h 50	27 ^h 19	26 ^h 8	17 ^h 36	16 ^h 28	S 8
S 9	11 7 10	18 ^h 35'38	11 ^h M57	3 ^h R11	24 ^h 13	15 ^h 15	8 ^h 13	20 ^h 26	19 ^h 8	22 ^h 48	1 ^h 50	27 ^h 12	26 ^h 5	17 ^h 42	16 ^h 24	S 9
M10	11 11 6	19 ^h 35'28	24 ^h 52	3 ^h 5	25 ^h 27	15 ^h 46	8 ^h 27	20 ^h 25	19 ^h 11	22 ^h 47	1 ^h 50	27 ^h 7	26 ^h 1	17 ^h 49	16 ^h 20	M10
T 11	11 15 3	20 ^h 35'16	8 ^h 2	2 ^h 52	26 ^h 41	16 ^h 17	8 ^h 41	20 ^h 24	19 ^h 14	22 ^h 46	1 ^h 50	27 ^h 4	25 ^h 58	17 ^h 56	16 ^h 17	T 11
W12	11 18 59	21 ^h 35'02	21 ^h 30	2 ^h 30	27 ^h 55	16 ^h 47	8 ^h 56	20 ^h 23	19 ^h 18	22 ^h 46	1 ^h 50	27 ^h D 3	25 ^h 55	18 ^h 2	16 ^h 13	W12
T 13	11 22 56	22 ^h 34'46	5 ^h 316	2 ^h 2	29 ^h 9	17 ^h 18	9 ^h 10	20 ^h 21	19 ^h 21	22 ^h 45	1 ^h 49	27 ^h 4	25 ^h 52	18 ^h 9	16 ^h 9	T 13
F 14	11 26 53	23 ^h 34'29	19 ^h 23	1 ^h 26	0 ^h X23	17 ^h 48	9 ^h 24	20 ^h 20	19 ^h 24	22 ^h 44	1 ^h 49	27 ^h 4	25 ^h 49	18 ^h 16	16 ^h 4	F 14
S 15	11 30 49	24 ^h 34'10	3 ^h 250	0 ^h 45	1 ^h 37	18 ^h 18	9 ^h 39	20 ^h 18	19 ^h 27	22 ^h 44	1 ^h 49	27 ^h R 4	25 ^h 46	18 ^h 22	16 ^h 0	S 15
S 16	11 34 46	25 ^h 33'49	18 ^h 33	29 ^h X59	2 ^h 51	18 ^h 48	9 ^h 53	20 ^h 17	19 ^h 30	22 ^h 43	1 ^h 48	27 ^h 3	25 ^h 42	18 ^h 29	15 ^h 56	S 16
M17	11 38 42	26 ^h 33'26	3 ^h X29	29 ^h 10	4 ^h 5	19 ^h 17	10 ^h 7	20 ^h 15	19 ^h 33	22 ^h 42	1 ^h 48	26 ^h 58	25 ^h 39	18 ^h 35	15 ^h 52	M17
T 18	11 42 39	27 ^h 33'01	18 ^h 29	28 ^h 17	5 ^h 19	19 ^h 47	10 ^h 21	20 ^h 13	19 ^h 35	22 ^h 42	1 ^h 48	26 ^h 51	25 ^h 36	18 ^h 42	15 ^h 47	T 18
W19	11 46 35	28 ^h 32'35	3 ^h Y24	27 ^h 24	6 ^h 34	20 ^h 16	10 ^h 35	20 ^h 12	19 ^h 38	22 ^h 41	1 ^h 47	26 ^h 43	25 ^h 33	18 ^h 49	15 ^h 43	W19
T 20	11 50 32	29 ^h 32'06	18 ^h 6	26 ^h 30	7 ^h 48	20 ^h 45	10 ^h 49	20 ^h 10	19 ^h 41	22 ^h 41	1 ^h 47	26 ^h 33	25 ^h 30	18 ^h 55	15 ^h 39	T 20
F 21	11 54 28	0 ^h Y31'35	2 ^h 26	25 ^h 37	9 ^h 2	21 ^h 14	11 ^h 3	20 ^h 8	19 ^h 44	22 ^h 40	1 ^h 46	26 ^h 23	25 ^h 26	19 ^h 2	15 ^h 34	F 21
S 22	11 58 25	1 ^h 31'02	16 ^h 20	24 ^h 46	10 ^h 16	21 ^h 43	11 ^h 18	20 ^h 5	19 ^h 47	22 ^h 40	1 ^h 46	26 ^h 14	25 ^h 23	19 ^h 9	15 ^h 30	S 22
S 23	12 2 21	2 ^h 30'27	29 ^h 46	23 ^h 57	11 ^h 30	22 ^h 11	11 ^h 32	20 ^h 3	19 ^h 50	22 ^h 40	1 ^h 45	26 ^h 7	25 ^h 20	19 ^h 15	15 ^h 25	S 23
M24	12 6 18	3 ^h 29'49	12 ^h II44	23 ^h 12	12 ^h 44	22 ^h 40	11 ^h 46	20 ^h 1	19 ^h 52	22 ^h 39	1 ^h 44	26 ^h 3	25 ^h 17	19 ^h 22	15 ^h 20	M24
T 25	12 10 15	4 ^h 29'09	25 ^h 18	22 ^h 31	13 ^h 58	23 ^h 8	12 ^h 0	19 ^h 58	19 ^h 55	22 ^h 39	1 ^h 44	26 ^h 1	25 ^h 14	19 ^h 29	15 ^h 16	T 25
W26	12 14 11	5 ^h 28'27	7 ^h 33	21 ^h 55	15 ^h 12	23 ^h 36	12 ^h 13	19 ^h 56	19 ^h 58	22 ^h 39	1 ^h 43	26 ^h D 0	25 ^h 11	19 ^h 35	15 ^h 11	W26
T 27	12 18 8	6 ^h 27'43	19 ^h 32	21 ^h 25	16 ^h 26	24 ^h 3	12 ^h 27	19 ^h 53	20 ^h 1	22 ^h 38	1 ^h 42	26 ^h 1	25 ^h 7	19 ^h 42	15 ^h 7	T 27
F 28	12 22 4	7 ^h 26'56	1 ^h 23	20 ^h 59	17 ^h 40	24 ^h 31	12 ^h 41	19 ^h 51	20 ^h 3	22 ^h 38	1 ^h 42	26 ^h R 1	25 ^h 4	19 ^h 49	15 ^h 2	F 28
S 29	12 26 1	8 ^h 26'06	13 ^h 10	20 ^h 39	18 ^h 54	24 ^h 58	12 ^h 55	19 ^h 48	20 ^h 6	22 ^h 38	1 ^h 41	25 ^h 59	25 ^h 1	19 ^h 55	14 ^h 57	S 29
S 30	12 29 57	9 ^h 25'15	24 ^h 58	20 ^h 25	20 ^h 8	25 ^h 25	13 ^h 9	19 ^h 45	20 ^h 8	22 ^h 38	1 ^h 40	25 ^h 56	24 ^h 58	20 ^h 2	14 ^h 52	S 30
M31	12 33 54	10 ^h Y24'21	6 ^h M51	20 ^h X17	21 ^h X22	25 ^h X52	13 ^h X22	19 ^h M42	20 ^h 211	22 ^h 38	1 ^h X39	25 ^h X50	24 ^h X55	20 ^h 2 9	14 ^h 48	M31

Day	☉	☾		♂		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	7s36	18n32	0s36	0n54	1n33	17s10	0s39	21s31	0n38	10s 5	0s56	15s36	2n23	15s52	0s40	21n 4	0s28	8s 1	12n48	20s34	20s53	14n 7	8s28	1s59			
S 2	7 13	14 21	1 38	1 32	1 47	16 51	0 42	21 36	0 37	9 59	0 56	15 36	2 23	15 51	0 40	21 4	0 28	8 0	12 48	20 35	20 54	14 4	8 27	1 59			
M 3	6 50	9 38	2 36	2 6	2 1	16 31	0 44	21 41	0 36	9 54	0 56	15 36	2 23	15 50	0 40	21 4	0 28	8 0	12 48	20 35	20 54	14 1	8 25	1 58			
T 4	6 27	4 32	3 28	2 37	2 14	16 11	0 46	21 46	0 35	9 49	0 56	15 35	2 24	15 49	0 40	21 4	0 28	8 0	12 49	20 37	20 55	13 58	8 24	1 58			
W 5	6 4	0s46	4 11	3 4	2 27	15 50	0 49	21 51	0 34	9 44	0 56	15 35	2 24	15 49	0 40	21 5	0 28	7 59	12 49	20 38	20 55	13 55	8 22	1 58			
T 6	5 41	6 5	4 42	3 28	2 40	15 28	0 51	21 56	0 33	9 38	0 56	15 35	2 24	15 48	0 40	21 5	0 28	7 59	12 49	20 40	20 56	13 53	8 20	1 58			
F 7	5 18	11 14	5 2	3 47	2 51	15 7	0 53	22 1	0 32	9 33	0 56	15 34	2 24	15 47	0 40	21 5	0 28	7 59	12 50	20 42	20 57	13 50	8 19	1 57			
S 8	4 54	16 0	5 7	4 1	3 2	14 45	0 55	22 5	0 31	9 28	0 56	15 34	2 24	15 46	0 40	21 5	0 28	7 58	12 50	20 44	20 57	13 47	8 17	1 57			
S 9	4 31	20 9	4 57	4 11	3 11	14 22	0 57	22 10	0 30	9 22	0 56	15 34	2 25	15 45	0 40	21 5	0 28	7 58	12 50	20 45	20 58	13 44	8 15	1 57			
M10	4 8	23 24	4 32	4 16	3 19	13 59	0 59	22 14	0 29	9 17	0 56	15 33	2 25	15 44	0 40	21 5	0 28	7 57	12 51	20 46	20 58	13 41	8 14	1 57			
T 11	3 44	25 30	3 52	4 17	3 26	13 36	1 1	22 18	0 28	9 12	0 56	15 33	2 25	15 43	0 40	21 6	0 28	7 57	12 51	20 47	20 59	13 39	8 12	1 56			
W12	3 21	26 11	2 59	4 13	3 30	13 12	1 3	22 22	0 27	9 6	0 56	15 32	2 25	15 42	0 40	21 6	0 28	7 57	12 51	20 47	21 0	13 36	8 10	1 56			
T 13	2 57	25 16	1 54	4 4	3 34	12 48	1 5	22 26	0 26	9 1	0 57	15 32	2 25	15 41	0 40	21 6	0 28	7 56	12 52	20 47	21 1	13 33	8 8	1 56			
F 14	2 33	22 45	0 41	3 52	3 35	12 23	1 7	22 30	0 24	8 56	0 57	15 31	2 25	15 40	0 40	21 6	0 28	7 56	12 52	20 46	21 1	13 30	8 7	1 56			
S 15	2 10	18 44	0n36	3 35	3 34	11 59	1 8	22 34	0 23	8 50	0 57	15 30	2 26	15 39	0 40	21 6	0 28	7 56	12 52	20 46	21 1	13 27	8 5	1 55			
S 16	1 46	13 30	1 52	3 14	3 32	11 34	1 10	22 38	0 22	8 45	0 57	15 30	2 26	15 38	0 40	21 6	0 28	7 55	12 53	20 47	21 2	13 25	8 3	1 55			
M17	1 22	7 25	3 2	2 50	3 28	11 8	1 12	22 41	0 21	8 40	0 57	15 29	2 26	15 37	0 40	21 6	0 28	7 55	12 53	20 48	21 3	13 22	8 1	1 55			
T 18	0 59	0 54	3 59	2 24	3 22	10 42	1 13	22 45	0 20	8 35	0 57	15 29	2 26	15 36	0 40	21 6	0 28	7 54	12 53	20 49	21 3	13 19	7 59	1 54			
W19	0 35	5n38	4 39	1 55	3 14	10 16	1 15	22 48	0 19	8 29	0 57	15 28	2 26	15 35	0 40	21 7	0 28	7 54	12 54	20 51	21 4	13 16	7 57	1 54			
T 20	0 11	11 44	5 1	1 25	3 4	9 50	1 16	22 52	0 17	8 24	0 57	15 27	2 27	15 34	0 41	21 7	0 27	7 54	12 54	20 53	21 4	13 13	7 55	1 54			
F 21	0n13	17 3	5 2	0 54	2 53	9 24	1 17	22 55	0 16	8 19	0 57	15 27	2 27	15 34	0 41	21 7	0 27	7 53	12 54	20 54	21 5	13 11	7 53	1 54			
S 22	0 36	21 18	4 46	0 22	2 41	8 57	1 19	22 58	0 15	8 13	0 57	15 26	2 27	15 33	0 41	21 7	0 27	7 53	12 55	20 56	21 5	13 8	7 51	1 53			
S 23	1 0	24 15	4 14	0s 9	2 27	8 30	1 20	23 1	0 13	8 8	0 58	15 25	2 27	15 32	0 41	21 7	0 27	7 52	12 55	20 57	21 6	13 5	7 49	1 53			
M24	1 24	25 49	3 29	0 40	2 13	8 2	1 21	23 4	0 12	8 3	0 58	15 24	2 27	15 31	0 41	21 7	0 27	7 52	12 55	20 58	21 7	13 2	7 47	1 53			
T 25	1 47	25 59	2 36	1 10	1 58	7 35	1 22	23 7	0 11	7 58	0 58	15 23	2 27	15 30	0 41	21 7	0 27	7 51	12 56	20 59	21 7	12 59	7 45	1 52			
W26	2 11	24 52	1 37	1 38	1 43	7 7	1 23	23 10	0 9	7 53	0 58	15 23	2 28	15 29	0 41	21 7	0 27	7 51	12 56	20 59	21 8	12 56	7 43	1 52			
T 27	2 34	22 37	0 34	2 5	1 27	6 39	1 24	23 13	0 8	7 47	0 58	15 22	2 28	15 29	0 41	21 7	0 27	7 51	12 56	20 59	21 8	12 54	7 40	1 52			
F 28	2 58	19 25	0s29	2 29	1 11	6 11	1 25	23 15	0 6	7 42	0 58	15 21	2 28	15 28	0 41	21 7	0 27	7 50	12 56	20 59	21 9	12 51	7 38	1 51			
S 29	3 21	15 27	1 30	2 51	0 55	5 43	1 26	23 18	0 5	7 37	0 58	15 20	2 28	15 27	0 41	21 7	0 27	7 50	12 57	20 59	21 10	12 48	7 36	1 51			
S 30	3 44	10 54	2 27	3 11	0 40	5 15	1 27	23 20	0 3	7 32	0 58	15 19	2 28	15 26	0 41	21 7	0 27	7 49	12 57	20 59	21 10	12 45	7 34	1 51			
M31	4n 8	5n56	3s19	3s29	0n25	4s46	1s27	23s23	0n 2	7s27	0s58	15s18	2n28	15s25	0s41	21n 7	0s27	7s49	12n57	21s 1	21s11	12n42	7s32	1s50			

ASTRODIENST EPHEMERIS for the year 1749

geocentric

APRIL 1749

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Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 37 50	11°23'25"	18°53'	20°D14	22°36'	26°18'	13°36'	19°R39	20°13'	22°R38	1°R38	25°R41	24°52'	20°15'	14°R43	T 1
W 2	12 41 47	12°22'27"	1°4'	20°17'	23°50'	26°45'	13°50'	19°136	20°16'	22°38	1°37	25°29	24°48'	20°22'	14°38'	W 2
T 3	12 45 44	13°21'26"	13°28'	20°24'	25°4'	27°11'	14°3'	19°33	20°18'	22°D38	1°36'	25°16'	24°45'	20°29'	14°33'	T 3
F 4	12 49 40	14°20'24"	26°4'	20°38'	26°17'	27°37'	14°17'	19°30	20°21'	22°38	1°36'	25°3'	24°42'	20°35'	14°29'	F 4
S 5	12 53 37	15°19'20"	8°51'	20°56'	27°31'	28°2'	14°30'	19°27	20°23'	22°38	1°35'	24°50'	24°39'	20°42'	14°24'	S 5
S 6	12 57 33	16°18'14"	21°51'	21°19'	28°45'	28°27'	14°44'	19°23	20°25'	22°38	1°34'	24°40'	24°36'	20°49'	14°19'	S 6
M 7	13 1 30	17°17'06"	5°2'	21°46'	29°59'	28°53'	14°57'	19°20	20°28'	22°38	1°32'	24°32'	24°32'	20°55'	14°14'	M 7
T 8	13 5 26	18°15'56"	18°24'	22°18'	1°13'	29°17'	15°10'	19°16	20°30'	22°38	1°31'	24°26'	24°29'	21°2'	14°9'	T 8
W 9	13 9 23	19°14'44"	1°58'	22°53'	2°27'	29°42'	15°23'	19°13	20°32'	22°38	1°30'	24°24'	24°26'	21°9'	14°5'	W 9
T 10	13 13 19	20°13'31"	15°44'	23°33'	3°41'	0°3'	15°37'	19°9	20°34'	22°39	1°29'	24°23'	24°23'	21°15'	14°0'	T 10
F 11	13 17 16	21°12'16"	29°42'	24°17'	4°55'	0°30'	15°50'	19°6	20°36'	22°39	1°28'	24°23'	24°20'	21°22'	13°55'	F 11
S 12	13 21 13	22°11'00"	13°54'	25°4'	6°9'	0°53'	16°3'	19°2	20°38'	22°39	1°27'	24°23'	24°17'	21°29'	13°51'	S 12
S 13	13 25 9	23°9'41"	28°17'	25°54'	7°23'	1°16'	16°16'	18°58	20°40'	22°39	1°26'	24°20'	24°13'	21°35'	13°46'	S 13
M14	13 29 6	24°8'21"	12°49'	26°48'	8°37'	1°39'	16°29'	18°54	20°42'	22°40	1°25'	24°15'	24°10'	21°42'	13°41'	M14
T 15	13 33 2	25°6'59"	27°44'	27°44'	9°51'	2°2'	16°42'	18°50	20°44'	22°40	1°23'	24°7'	24°7'	21°49'	13°37'	T 15
W16	13 36 59	26°5'35"	12°0'	28°44'	11°5'	2°24'	16°55'	18°46	20°46'	22°41	1°22'	23°56'	24°4'	21°55'	13°32'	W16
T 17	13 40 55	27°4'10"	26°24'	29°46'	12°19'	2°46'	17°7'	18°42	20°48'	22°41	1°21'	23°44'	24°1'	22°2'	13°27'	T 17
F 18	13 44 52	28°2'43"	10°32'	0°51'	13°32'	3°7'	17°20'	18°38	20°50'	22°42	1°20'	23°32'	23°58'	22°9'	13°23'	F 18
S 19	13 48 48	29°1'13"	24°19'	1°59'	14°46'	3°28'	17°33'	18°34	20°52'	22°42	1°18'	23°22'	23°54'	22°15'	13°18'	S 19
S 20	13 52 45	29°59'42"	7°42'	3°9'	16°0'	3°49'	17°45'	18°30	20°53'	22°43	1°17'	23°13'	23°51'	22°22'	13°14'	S 20
M21	13 56 42	0°58'09"	20°40'	4°22'	17°14'	4°9'	17°58'	18°26	20°55'	22°43	1°16'	23°7'	23°48'	22°29'	13°10'	M21
T 22	14 0 38	1°56'33"	3°16'	5°37'	18°28'	4°29'	18°10'	18°22	20°57'	22°44	1°14'	23°4'	23°45'	22°35'	13°5'	T 22
W23	14 4 35	2°54'56"	15°32'	6°54'	19°42'	4°49'	18°22'	18°18	20°58'	22°44	1°13'	23°2'	23°42'	22°42'	13°1'	W23
T 24	14 8 31	3°53'16"	27°34'	8°13'	20°56'	5°8'	18°35'	18°13	21°0'	22°45	1°11'	23°2'	23°38'	22°49'	12°57'	T 24
F 25	14 12 28	4°51'34"	9°26'	9°34'	22°9'	5°27'	18°47'	18°9	21°1'	22°46	1°10'	23°2'	23°35'	22°55'	12°52'	F 25
S 26	14 16 24	5°49'50"	21°15'	10°58'	23°23'	5°45'	18°59'	18°5	21°3'	22°47	1°9'	23°1'	23°32'	23°2'	12°48'	S 26
S 27	14 20 21	6°48'04"	3°5'	12°24'	24°37'	6°3'	19°11'	18°0	21°4'	22°47	1°7'	22°58'	23°29'	23°9'	12°44'	S 27
M28	14 24 17	7°46'16"	15°2'	13°51'	25°51'	6°20'	19°23'	17°56	21°6'	22°48	1°6'	22°53'	23°26'	23°15'	12°40'	M28
T 29	14 28 14	8°44'26"	27°9'	15°21'	27°5'	6°37'	19°35'	17°52	21°7'	22°49	1°4'	22°45'	23°23'	23°22'	12°36'	T 29
W30	14 32 11	9°42'34"	9°30'	16°52'	28°18'	6°53'	19°46'	17°47	21°8'	22°50	1°3'	22°35'	23°19'	23°19'	12°32'	W30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	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	4n31	0n42	4s 2	3s44	0n10	4s17	1s28	23s25	0n 0	7s21	0s59	15s17	2n28	15s25	0s41	T 1
W 2	4 54	4s37	4 34	3 56	0s 5	3 49	1 29	23 28	0s 2	7 16	0 59	15 16	2 29	15 24	0 41	W 2
T 3	5 17	9 50	4 54	4 6	0 19	3 20	1 29	23 30	0 3	7 11	0 59	15 16	2 29	15 23	0 41	T 3
F 4	5 40	14 44	5 0	4 13	0 33	2 51	1 29	23 32	0 5	7 6	0 59	15 15	2 29	15 22	0 41	F 4
S 5	6 2	19 4	4 52	4 18	0 45	2 22	1 30	23 34	0 7	7 1	0 59	15 14	2 29	15 22	0 41	S 5
S 6	6 25	22 34	4 28	4 20	0 58	1 52	1 30	23 36	0 8	6 56	0 59	15 13	2 29	15 21	0 41	S 6
M 7	6 48	24 56	3 49	4 20	1 9	1 23	1 30	23 38	0 10	6 51	0 59	15 11	2 29	15 20	0 41	M 7
T 8	7 10	25 55	2 58	4 18	1 20	0 54	1 30	23 40	0 12	6 46	0 59	15 10	2 29	15 20	0 41	T 8
W 9	7 33	25 23	1 56	4 13	1 31	0 24	1 31	23 42	0 14	6 41	1 0	15 9	2 29	15 19	0 41	W 9
T 10	7 55	23 18	0 46	4 6	1 40	0n 5	1 31	23 44	0 16	6 36	1 0	15 8	2 29	15 18	0 41	T 10
F 11	8 17	19 47	0n28	3 57	1 49	0 34	1 31	23 46	0 18	6 31	1 0	15 7	2 30	15 18	0 41	F 11
S 12	8 39	15 4	1 41	3 46	1 58	1 4	1 30	23 48	0 20	6 26	1 0	15 6	2 30	15 17	0 41	S 12
S 13	9 1	9 27	2 49	3 33	2 6	1 33	1 30	23 50	0 22	6 21	1 0	15 5	2 30	15 16	0 41	S 13
M14	9 22	3 16	3 46	3 18	2 13	2 3	1 30	23 51	0 24	6 16	1 0	15 4	2 30	15 16	0 41	M14
T 15	9 44	3n 5	4 29	3 2	2 19	2 32	1 30	23 53	0 26	6 11	1 0	15 3	2 30	15 15	0 41	T 15
W16	10 5	9 15	4 54	2 43	2 25	3 1	1 29	23 55	0 28	6 6	1 1	15 2	2 30	15 15	0 41	W16
T 17	10 27	14 51	5 0	2 23	2 30	3 30	1 29	23 57	0 30	6 2	1 1	15 1	2 30	15 14	0 41	T 17
F 18	10 48	19 33	4 47	2 1	2 35	4 0	1 28	23 58	0 32	5 57	1 1	14 59	2 30	15 13	0 41	F 18
S 19	11 8	23 3	4 18	1 38	2 38	4 29	1 28	24 0	0 34	5 52	1 1	14 58	2 30	15 13	0 41	S 19
S 20	11 29	25 10	3 35	1 13	2 42	4 58	1 27	24 2	0 37	5 47	1 1	14 57	2 30	15 12	0 41	S 20
M21	11 50	25 51	2 42	0 47	2 44	5 27	1 26	24 4	0 39	5 42	1 1	14 56	2 30	15 12	0 41	M21
T 22	12 10	25 9	1 43	0 19	2 47	5 56	1 26	24 5	0 41	5 38	1 2	14 55	2 30	15 11	0 42	T 22
W23	12 30	23 13	0 40	0n10	2 48	6 24	1 25	24 7	0 44	5 33	1 2	14 53	2 30	15 11	0 42	W23
T 24	12 50	20 17	0s24	0 41	2 49	6 53	1 24	24 9	0 46	5 28	1 2	14 52	2 30	15 10	0 42	T 24
F 25	13 10	16 32	1 26	1 12	2 49	7 21	1 23	24 10	0 49	5 24	1 2	14 51	2 30	15 10	0 42	F 25
S 26	13 29	12 10	2 24	1 45	2 49	7 50	1 22	24 12	0 51	5 19	1 2	14 50	2 31	15 10	0 42	S 26
S 27	13 48	7 21	3 15	2 19	2 48	8 18	1 21	24 14	0 54	5 15	1 2	14 49	2 31	15 9	0 42	S 27
M28	14 7	2 14	3 59	2 55	2 47	8 46	1 20	24 16	0 57	5 10	1 3	14 47	2 31	15 9	0 42	M28
T 29	14 26	3s 2	4 33	3 31	2 45	9 13	1 19	24 18	0 59	5 6	1 3	14 46	2 31	15 8	0 42	T 29
W30	14n45	8s16	4s54	4n 8	2s42	9n41	1s17	24s20	1s 2	5s 1	1s 3	14s45	2n31	15s 8	0s42	W30

Julian Day Number = 2359959.5, Delta T = 15.79 sec

Ecliptic obliquity = 23°28'23", Nutation = 0°00'15", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 21°14'22", Lahiri = 20°21'23"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1749
geocentric

MAY 1749

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	14 36 7	10 ⁸ 40'40	22 ² 6	18 ⁷ 26	29 ⁷ 32	7 ⁸ 9	19 ⁸ 58	17 ⁷ R43	21 ⁸ 10	22 ² 51	1 ⁷ R 1	22 ⁷ R24	23 ⁸ 16	23 ⁸ 35	12 ⁷ R29	T 1
F 2	14 40 4	11 ⁷ 38'45	4 ⁷ 15	20 ⁷ 1	0 ⁸ 46	7 ⁷ 24	20 ⁷ 10	17 ⁷ 13	21 ⁷ 11	22 ⁷ 52	1 ⁷ 0	22 ⁷ 12	23 ⁷ 13	23 ⁷ 42	12 ⁷ 25	F 2
S 3	14 44 0	12 ⁷ 36'48	18 ⁷ 6	21 ⁷ 39	2 ⁷ 0	7 ⁷ 39	20 ⁷ 21	17 ⁷ 34	21 ⁷ 12	22 ⁷ 53	0 ⁷ 58	22 ⁷ 0	23 ⁷ 10	23 ⁷ 49	12 ⁷ 21	S 3
S 4	14 47 57	13 ⁷ 34'49	1 ⁸ 27	23 ⁷ 18	3 ⁷ 14	7 ⁷ 54	20 ⁷ 33	17 ⁷ 29	21 ⁷ 13	22 ⁷ 54	0 ⁷ 57	21 ⁷ 51	23 ⁷ 0	23 ⁷ 55	12 ⁷ 18	S 4
M 5	14 51 53	14 ⁷ 32'49	15 ⁷ 1	25 ⁷ 0	4 ⁷ 27	8 ⁷ 8	20 ⁷ 44	17 ⁷ 25	21 ⁷ 14	22 ⁷ 55	0 ⁷ 55	21 ⁷ 43	23 ⁷ 3	24 ⁷ 2	12 ⁷ 14	M 5
T 6	14 55 50	15 ⁷ 30'47	28 ⁷ 45	26 ⁷ 43	5 ⁷ 41	8 ⁷ 21	20 ⁷ 55	17 ⁷ 20	21 ⁷ 15	22 ⁷ 56	0 ⁷ 54	21 ⁷ 39	23 ⁷ 0	24 ⁷ 9	12 ⁷ 11	T 6
W 7	14 59 46	16 ⁷ 28'44	12 ⁸ 36	28 ⁷ 28	6 ⁷ 55	8 ⁷ 34	21 ⁷ 6	17 ⁷ 16	21 ⁷ 16	22 ⁷ 57	0 ⁷ 52	21 ⁷ 37	22 ⁷ 57	24 ⁷ 15	12 ⁷ 7	W 7
T 8	15 3 43	17 ⁷ 26'39	26 ⁷ 34	0 ⁸ 15	8 ⁷ 9	8 ⁷ 46	21 ⁷ 17	17 ⁷ 11	21 ⁷ 17	22 ⁷ 58	0 ⁷ 50	21 ⁷ D37	22 ⁷ 54	24 ⁷ 22	12 ⁷ 4	T 8
F 9	15 7 40	18 ⁷ 24'34	10 ⁸ 37	2 ⁷ 4	9 ⁷ 22	8 ⁷ 58	21 ⁷ 28	17 ⁷ 7	21 ⁷ 18	22 ⁷ 59	0 ⁷ 49	21 ⁷ 37	22 ⁷ 51	24 ⁷ 29	12 ⁷ 1	F 9
S 10	15 11 36	19 ⁷ 22'27	24 ⁷ 45	3 ⁷ 55	10 ⁷ 36	9 ⁷ 9	21 ⁷ 39	17 ⁷ 2	21 ⁷ 19	23 ⁷ 0	0 ⁷ 47	21 ⁷ R37	22 ⁷ 48	24 ⁷ 35	11 ⁷ 58	S 10
S 11	15 15 33	20 ⁷ 20'18	8 ⁸ 56	5 ⁷ 49	11 ⁷ 50	9 ⁷ 19	21 ⁷ 50	16 ⁷ 58	21 ⁷ 19	23 ⁷ 2	0 ⁷ 46	21 ⁷ 36	22 ⁷ 44	24 ⁷ 42	11 ⁷ 55	S 11
M 12	15 19 29	21 ⁷ 18'09	23 ⁷ 9	7 ⁷ 44	13 ⁷ 4	9 ⁷ 29	22 ⁷ 0	16 ⁷ 53	21 ⁷ 20	23 ⁷ 3	0 ⁷ 44	21 ⁷ 32	22 ⁷ 41	24 ⁷ 49	11 ⁷ 52	M 12
T 13	15 23 26	22 ⁷ 15'58	7 ⁸ 21	9 ⁷ 40	14 ⁷ 17	9 ⁷ 38	22 ⁷ 11	16 ⁷ 49	21 ⁷ 21	23 ⁷ 4	0 ⁷ 42	21 ⁷ 26	22 ⁷ 38	24 ⁷ 55	11 ⁷ 49	T 13
W 14	15 27 22	23 ⁷ 13'46	21 ⁷ 28	11 ⁷ 39	15 ⁷ 31	9 ⁷ 47	22 ⁷ 21	16 ⁷ 44	21 ⁷ 21	23 ⁷ 5	0 ⁷ 41	21 ⁷ 18	22 ⁷ 35	25 ⁷ 2	11 ⁷ 46	W 14
T 15	15 31 19	24 ⁷ 11'33	5 ⁸ 26	13 ⁷ 40	16 ⁷ 45	9 ⁷ 55	22 ⁷ 32	16 ⁷ 40	21 ⁷ 22	23 ⁷ 7	0 ⁷ 39	21 ⁷ 9	22 ⁷ 32	25 ⁷ 9	11 ⁷ 43	T 15
F 16	15 35 15	25 ⁷ 9'19	19 ⁷ 11	15 ⁷ 42	17 ⁷ 59	10 ⁷ 2	22 ⁷ 42	16 ⁷ 35	21 ⁷ 23	23 ⁷ 8	0 ⁷ 37	21 ⁷ 0	22 ⁷ 29	25 ⁷ 15	11 ⁷ 41	F 16
S 17	15 39 12	26 ⁷ 7'03	2 ⁸ 39	17 ⁷ 46	19 ⁷ 12	10 ⁷ 9	22 ⁷ 52	16 ⁷ 31	21 ⁷ 23	23 ⁷ 9	0 ⁷ 36	20 ⁷ 52	22 ⁷ 25	25 ⁷ 22	11 ⁷ 38	S 17
S 18	15 43 9	27 ⁷ 4'46	15 ⁷ 49	19 ⁷ 52	20 ⁷ 26	10 ⁷ 15	23 ⁷ 2	16 ⁷ 27	21 ⁷ 23	23 ⁷ 11	0 ⁷ 34	20 ⁷ 45	22 ⁷ 22	25 ⁷ 29	11 ⁷ 36	S 18
M 19	15 47 5	28 ⁷ 2'28	28 ⁷ 38	21 ⁷ 59	21 ⁷ 40	10 ⁷ 20	23 ⁷ 12	16 ⁷ 22	21 ⁷ 24	23 ⁷ 12	0 ⁷ 33	20 ⁷ 40	22 ⁷ 19	25 ⁷ 35	11 ⁷ 34	M 19
T 20	15 51 2	29 ⁷ 0'08	11 ⁸ 9	24 ⁷ 8	22 ⁷ 53	10 ⁷ 24	23 ⁷ 22	16 ⁷ 18	21 ⁷ 24	23 ⁷ 14	0 ⁷ 31	20 ⁷ 38	22 ⁷ 16	25 ⁷ 42	11 ⁷ 32	T 20
W 21	15 54 58	29 ⁷ 57'47	23 ⁷ 24	26 ⁷ 17	24 ⁷ 7	10 ⁷ 28	23 ⁷ 31	16 ⁷ 14	21 ⁷ 24	23 ⁷ 15	0 ⁷ 29	20 ⁷ D37	22 ⁷ 13	25 ⁷ 49	11 ⁷ 30	W 21
T 22	15 58 55	0 ⁸ 15'24	5 ⁸ 26	28 ⁷ 28	25 ⁷ 21	10 ⁷ 31	23 ⁷ 41	16 ⁷ 9	21 ⁷ 25	23 ⁷ 16	0 ⁷ 28	20 ⁷ 38	22 ⁷ 9	25 ⁷ 55	11 ⁷ 28	T 22
F 23	16 2 51	1 ⁸ 52'59	17 ⁷ 19	0 ⁸ 39	26 ⁷ 35	10 ⁷ 34	23 ⁷ 50	16 ⁷ 5	21 ⁷ 25	23 ⁷ 18	0 ⁷ 26	20 ⁷ 40	22 ⁷ 6	26 ⁷ 2	11 ⁷ 26	F 23
S 24	16 6 48	2 ⁸ 50'34	29 ⁷ 9	2 ⁷ 51	27 ⁷ 48	10 ⁷ 35	23 ⁷ 59	16 ⁷ 1	21 ⁷ 25	23 ⁷ 20	0 ⁷ 24	20 ⁷ R40	22 ⁷ 3	26 ⁷ 9	11 ⁷ 24	S 24
S 25	16 10 44	3 ⁸ 48'06	11 ⁸ 0	5 ⁷ 3	29 ⁷ 2	10 ⁷ 36	24 ⁷ 8	15 ⁷ 57	21 ⁷ 25	23 ⁷ 21	0 ⁷ 23	20 ⁷ 40	22 ⁷ 0	26 ⁷ 15	11 ⁷ 22	S 25
M 26	16 14 41	4 ⁸ 45'38	22 ⁷ 59	7 ⁷ 14	0 ⁸ 16	10 ⁷ R36	24 ⁷ 18	15 ⁷ 52	21 ⁷ R25	23 ⁷ 23	0 ⁷ 21	20 ⁷ 38	21 ⁷ 57	26 ⁷ 22	11 ⁷ 21	M 26
T 27	16 18 38	5 ⁸ 43'08	5 ⁸ 9	9 ⁷ 26	1 ⁸ 29	10 ⁷ 36	24 ⁷ 26	15 ⁷ 48	21 ⁷ 25	23 ⁷ 24	0 ⁷ 19	20 ⁷ 35	21 ⁷ 54	26 ⁷ 29	11 ⁷ 19	T 27
W 28	16 22 34	6 ⁸ 40'37	17 ⁷ 35	11 ⁷ 37	2 ⁸ 43	10 ⁷ 35	24 ⁷ 35	15 ⁷ 44	21 ⁷ 25	23 ⁷ 26	0 ⁷ 18	20 ⁷ 29	21 ⁷ 50	26 ⁷ 35	11 ⁷ 18	W 28
T 29	16 26 31	7 ⁸ 38'04	0 ⁸ 18	13 ⁷ 47	3 ⁸ 57	10 ⁷ 33	24 ⁷ 44	15 ⁷ 40	21 ⁷ 25	23 ⁷ 28	0 ⁷ 16	20 ⁷ 23	21 ⁷ 47	26 ⁷ 42	11 ⁷ 17	T 29
F 30	16 30 27	8 ⁸ 35'30	13 ⁷ 22	15 ⁷ 56	5 ⁸ 10	10 ⁷ 30	24 ⁷ 52	15 ⁷ 36	21 ⁷ 25	23 ⁷ 29	0 ⁷ 14	20 ⁷ 16	21 ⁷ 44	26 ⁷ 49	11 ⁷ 16	F 30
S 31	16 34 24	9 ⁸ 32'56	26 ⁷ 14	18 ⁷ 3	6 ⁸ 24	10 ⁷ 26	25 ⁷ 1	15 ⁷ 32	21 ⁷ 25	23 ⁷ 31	0 ⁷ 13	20 ⁷ 9	21 ⁷ 41	26 ⁷ 55	11 ⁷ 15	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	15n 3	13s17	5s 2	4n47	2s39	10n 8	1s16	24s22	1s 5	4s57	1s 3	14s44	2n31	15s 8	0s42	21n 6	0s26	7s36	13n 3	21s37	21s28	11n13	6s26	1s37	
F 2	15 21	17 49	4 54	5 26	2 36	10 35	1 15	24 24	1 8	4 52	1 3	14 42	2 31	15 7	0 42	21 6	0 26	7 36	13 3	21 38	21 28	11 10	6 24	1 37	
S 3	15 39	21 35	4 31	6 6	2 31	11 2	1 13	24 26	1 11	4 48	1 4	14 41	2 31	15 7	0 42	21 6	0 26	7 36	13 3	21 40	21 29	11 7	6 22	1 36	
S 4	15 56	24 17	3 53	6 48	2 27	11 29	1 12	24 28	1 14	4 44	1 4	14 40	2 31	15 7	0 42	21 6	0 26	7 35	13 3	21 42	21 29	11 4	6 20	1 36	
M 5	16 14	25 38	3 2	7 29	2 22	11 55	1 10	24 30	1 17	4 39	1 4	14 39	2 31	15 6	0 42	21 5	0 26	7 35	13 3	21 43	21 30	11 2	6 18	1 35	
T 6	16 31	25 27	1 59	8 12	2 16	12 21	1 9	24 32	1 20	4 35	1 4	14 37	2 30	15 6	0 42	21 5	0 26	7 34	13 3	21 44	21 30	10 59	6 16	1 35	
W 7	16 47	23 40	0 48	8 55	2 10	12 47	1 7	24 34	1 23	4 31	1 4	14 36	2 30	15 6	0 42	21 5	0 26	7 34	13 3	21 44	21 31	10 56	6 14	1 34	
T 8	17 4	20 26	0n26	9 39	2 3	13 12	1 6	24 37	1 26	4 27	1 4	14 35	2 30	15 5	0 42	21 5	0 26	7 34	13 3	21 44	21 32	10 53	6 13	1 34	
F 9	17 20	16 0	1 40	10 24	1 56	13 37	1 4	24 39	1 29	4 23	1 5	14 34	2 30	15 5	0 42	21 5	0 26	7 33	13 3	21 44	21 32	10 50	6 11	1 33	
S 10	17 36	10 40	2 47	11 9	1 48	14 2	1 2	24 42	1 32	4 19	1 5	14 33	2 30	15 5	0 42	21 5	0 26	7 33	13 3	21 44	21 33	10 47	6 9	1 33	
S 11	17 51	4 46	3 45	11 54	1 40	14 27	1 1	24 44	1 36	4 14	1 5	14 31	2 30	15 5	0 42	21 5	0 26	7 33	13 3	21 44	21 33	10 44	6 8	1 32	
M12	18 7	1n23	4 28	12 40	1 32	14 51	0 59	24 47	1 39	4 10	1 5	14 30	2 30	15 5	0 42	21 4	0 26	7 33	13 3	21 45	21 34	10 41	6 6	1 32	
T 13	18 22	7 26	4 56	13 25	1 23	15 15	0 57	24 50	1 43	4 7	1 6	14 29	2 30	15 4	0 42	21 4	0 26	7 32	13 3	21 46	21 34	10 38	6 5	1 31	
W14	18 36	13 5	5 5	14 11	1 13	15 38	0 55	24 52	1 46	4 3	1 6	14 28	2 30	15 4	0 42	21 4	0 26	7 32	13 3	21 47	21 35	10 35	6 3	1 31	
T 15	18 51	17 59	4 55	14 57	1 4	16 1	0 53	24 55	1 50	3 59	1 6	14 27	2 30	15 4	0 42	21 4	0 26	7 32	13 3	21 48	21 35	10 32	6 2	1 30	
F 16	19 5	21 51	4 29	15 42	0 54	16 24	0 51	24 58	1 53	3 55	1 6	14 25	2 30	15 4	0 42	21 4	0 26	7 31	13 3	21 50	21 36	10 29	6 0	1 30	
S 17	19 19	24 27	3 48	16 27	0 44	16 46	0 49	25 1	1 57	3 51	1 6	14 24	2 30	15 4	0 42	21 3	0 26	7 31	13 3	21 51	21 36	10 27	5 59	1 29	
S 18	19 32	25 38	2 56	17 12	0 33	17 8	0 47	25 5	2 0	3 47	1 7	14 23	2 30	15 4	0 43	21 3	0 26	7 31	13 3	21 52	21 37	10 24	5 57	1 29	
M19	19 45	25 23	1 55	17 55	0 23	17 29	0 45	25 8	2 4	3 44	1 7	14 22	2 30	15 4	0 43	21 3	0 26	7 31	13 3	21 53	21 37	10 21	5 56	1 28	
T 20	19 58	23 51	0 51	18 38	0 12	17 50	0 43	25 11	2 8	3 40	1 7	14 21	2 30	15 4	0 43	21 3	0 26	7 30	13 3	21 53	21 38	10 18	5 55	1 28	
W21	20 10	21 12	0s15	19 19	0 2	18 10	0 41	25 15	2 12	3 36	1 7	14 20	2 30	15 4	0 43	21 2	0 26	7 30	13 3	21 53	21 38	10 15	5 53	1 27	
T 22	20 22	17 40	1 19	19 59	0n 9	18 30	0 39	25 19	2 16	3 33	1 7	14 18	2 29	15 4	0 43	21 2	0 26	7 30	13 3	21 53	21 39	10 12	5 52	1 27	
F 23	20 34	13 28	2 19	20 38	0 19	18 50	0 36	25 22	2 20	3 29	1 8	14 17	2 29	15 3	0 43	21 2	0 26	7 30	13 3	21 53	21 39	10 9	5 51	1 26	
S 24	20 45	8 46	3 13	21 14	0 30	19 9	0 34	25 26	2 24	3 26	1 8	14 16	2 29	15 3	0 43	21 2	0 26	7 29	13 3	21 53	21 40	10 6	5 50	1 26	
S 25	20 56	3 46	3 58	21 49	0 40	19 27	0 32	25 30	2 28	3 22	1 8	14 15	2 29	15 3	0 43	21 2	0 26	7 29	13 3	21 53	21 40	10 3	5 49	1 25	
M26	21 7	1s24	4 34	22 22	0 49	19 45	0 30	25 34	2 32	3 19	1 8	14 14	2 29	15 4	0 43	21 1	0 26	7 29	13 3	21 53	21 41	10 0	5 48	1 25	
T 27	21 17	6 36	4 58	22 52	0 59	20 2	0 28	25 38	2 36	3 16	1 9	14 13	2 29	15 4	0 43	21 1	0 26	7 29	13 3	21 54	21 41	9 57	5 46	1 24	
W28	21 27	11 39	5 9	23 19	1 8	20 19	0 25	25 42	2 40	3 12	1 9	14 12	2 29	15 4	0 43	21 1	0 26	7 28	13 2	21 54	21 42	9 54	5 46	1 24	
T 29	21 37	16 20	5 4	23 45	1 16	20 35	0 23	25 47	2 44	3 9	1 9	14 11	2 29	15 4	0 43	21 1	0 26	7 28	13 2	21 55	21 42	9 51	5 45	1 23	
F 30	21 46	20 23	4 45	24 7	1 16	20 51	0 21	25 51	2 48	3 6	1 9	14 10	2 28	15 4	0 43	21 0	0 26	7 28	13 2	21 56	21 43	9 49	5 44	1 23	
S 31	21n55	23s29	4s 9	24n27	1n31	21n 6	0s18	25s56	2s52	3s 3	1s10	14s 9	2n28	15s 4	0s43	21n 0	0s26	7s28	13n 2	21s57	21s43	9n46	5s43	1s22	

ASTRODIENST EPHEMERIS for the year 1749

geocentric

JUNE 1749

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	16 38 20	10 ^{II} 30'20	10 [♈] 28	20 ^{II} 9	7 ^{II} 38	10°R22	25 [♈] 9	15°R28	21°R24	23 [♈] 33	0°R11	20°R 3	21 [♈] 38	27 [♈] 2	11°R14	S 1
M 2	16 42 17	11°27'44	24°26	22°14	8°51	10 [♈] 17	25°17	15 [♈] 25	21 [♈] 24	23°34	0°10	19 [♈] 59	21°35	27° 9	11 [♈] 13	M 2
T 3	16 46 13	12°25'06	8 [♈] 35	24°16	10° 5	10°11	25°25	15°21	21°24	23°36	0° 8	19°57	21°31	27°15	11°12	T 3
W 4	16 50 10	13°22'28	22°51	26°16	11°19	10° 5	25°33	15°17	21°23	23°38	0° 6	19°D57	21°28	27°22	11°12	W 4
T 5	16 54 7	14°19'49	7 [♈] 10	28°14	12°32	9°58	25°40	15°14	21°23	23°40	0° 5	19°58	21°25	27°29	11°11	T 5
F 6	16 58 3	15°17'10	21°30	0 [♈] 10	13°46	9°50	25°48	15°10	21°22	23°42	0° 3	19°59	21°22	27°35	11°11	F 6
S 7	17 2 0	16°14'30	5 [♈] 46	2° 4	15° 0	9°41	25°55	15° 6	21°22	23°43	0° 2	20° 0	21°19	27°42	11°11	S 7
S 8	17 5 56	17°11'49	19°56	3°55	16°14	9°31	26° 3	15° 3	21°21	23°45	0° 0	20°R 1	21°15	27°49	11°11	S 8
M 9	17 9 53	18° 9'08	3 [♈] 59	5°44	17°27	9°21	26°10	15° 0	21°21	23°47	29 [♈] 59	20° 0	21°12	27°55	11°D11	M 9
T 10	17 13 49	19° 6'27	17°54	7°30	18°41	9°11	26°17	14°56	21°20	23°49	29°57	19°57	21° 9	28° 2	11°11	T 10
W11	17 17 46	20° 3'46	1 [♈] 38	9°14	19°55	8°59	26°23	14°53	21°19	23°51	29°55	19°54	21° 6	28° 9	11°11	W11
T 12	17 21 42	21° 1'04	15°10	10°56	21° 8	8°47	26°30	14°50	21°18	23°53	29°54	19°50	21° 3	28°15	11°11	T 12
F 13	17 25 39	21°58'21	28°29	12°35	22°22	8°34	26°37	14°47	21°18	23°55	29°52	19°45	21° 0	28°22	11°12	F 13
S 14	17 29 36	22°55'38	11 ^{II} 34	14°11	23°36	8°21	26°43	14°44	21°17	23°57	29°51	19°41	20°56	28°29	11°12	S 14
S 15	17 33 32	23°52'55	24°24	15°45	24°50	8° 7	26°49	14°41	21°16	23°59	29°50	19°38	20°53	28°35	11°13	S 15
M16	17 37 29	24°50'12	6 [♈] 58	17°16	26° 3	7°52	26°55	14°38	21°15	24° 1	29°48	19°36	20°50	28°42	11°14	M16
T 17	17 41 25	25°47'27	19°19	18°45	27°17	7°37	27° 1	14°35	21°14	24° 3	29°47	19°D36	20°47	28°49	11°15	T 17
W18	17 45 22	26°44'42	1 [♈] 28	20°11	28°31	7°22	27° 7	14°32	21°13	24° 5	29°45	19°36	20°44	28°55	11°16	W18
T 19	17 49 18	27°41'57	13°26	21°35	29°44	7° 6	27°12	14°29	21°12	24° 7	29°44	19°38	20°41	29° 2	11°17	T 19
F 20	17 53 15	28°39'11	25°18	22°56	0 [♈] 58	6°50	27°17	14°27	21°11	24° 9	29°42	19°39	20°37	29° 9	11°18	F 20
S 21	17 57 11	29°36'24	7 [♈] 8	24°14	2°12	6°33	27°23	14°24	21° 9	24°11	29°41	19°41	20°34	29°15	11°20	S 21
S 22	18 1 8	0 [♈] 33'37	19° 0	25°30	3°26	6°16	27°28	14°22	21° 8	24°13	29°40	19°42	20°31	29°22	11°21	S 22
M23	18 5 5	1°30'49	0 [♈] 58	26°43	4°39	5°59	27°32	14°19	21° 7	24°15	29°38	19°R42	20°28	29°29	11°23	M23
T 24	18 9 1	2°28'01	13° 8	27°53	5°53	5°41	27°37	14°17	21° 6	24°17	29°37	19°42	20°25	29°35	11°24	T 24
W25	18 12 58	3°25'12	25°34	29° 0	7° 7	5°23	27°42	14°15	21° 4	24°19	29°36	19°41	20°21	29°42	11°26	W25
T 26	18 16 54	4°22'23	8 [♈] 19	0 [♈] 4	8°20	5° 5	27°46	14°13	21° 3	24°21	29°34	19°39	20°18	29°49	11°28	T 26
F 27	18 20 51	5°19'34	21°27	1° 5	9°34	4°47	27°50	14°11	21° 2	24°23	29°33	19°37	20°15	29°55	11°30	F 27
S 28	18 24 47	6°16'44	4 [♈] 58	2° 3	10°48	4°29	27°54	14° 9	21° 0	24°25	29°32	19°35	20°12	0 [♈] 2	11°32	S 28
S 29	18 28 44	7°13'54	18°53	2°57	12° 2	4°11	27°58	14° 7	20°59	24°28	29°31	19°34	20° 9	0° 9	11°34	S 29
M30	18 32 41	8 [♈] 11'04	3 [♈] 8	3 [♈] 48	13°15	3 [♈] 53	28 [♈] 1	14 [♈] 5	20°57	24°30	29 [♈] 30	19°33	20° 6	0 [♈] 16	11°37	M30

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	22n 3	25s19	3s18	24n44	1n37	21n21	0s16	26s 0	2s57	3s 0	1s10	14s 8	2n28	15s 4	0s43	21n 0	0s26	7s28	13n 2	21s58	21s44	9n43	5s42	1s22	
M 2	22 11	25 36	2 14	24 58	1 43	21 35	0 14	26 5	3 1	2 57	1 10	14 7	2 28	15 4	0 43	20 59	0 26	7 28	13 2	21 59	21 44	9 40	5 41	1 21	
T 3	22 19	24 13	1 2	25 9	1 48	21 48	0 11	26 9	3 5	2 54	1 10	14 6	2 28	15 4	0 43	20 59	0 26	7 27	13 1	21 59	21 45	9 37	5 40	1 21	
W 4	22 26	21 16	0n16	25 18	1 53	22 1	0 9	26 14	3 9	2 51	1 11	14 5	2 28	15 4	0 43	20 59	0 26	7 27	13 1	21 59	21 45	9 34	5 40	1 20	
T 5	22 33	17 1	1 33	25 24	1 56	22 13	0 6	26 19	3 14	2 48	1 11	14 4	2 27	15 5	0 43	20 59	0 26	7 27	13 1	21 59	21 46	9 31	5 39	1 20	
F 6	22 40	11 47	2 44	25 28	1 59	22 25	0 4	26 24	3 18	2 46	1 11	14 3	2 27	15 5	0 43	20 58	0 26	7 27	13 1	21 59	21 46	9 28	5 39	1 19	
S 7	22 46	5 56	3 44	25 29	2 1	22 36	0 2	26 29	3 22	2 43	1 11	14 3	2 27	15 5	0 43	20 58	0 26	7 27	13 1	21 59	21 47	9 25	5 38	1 19	
S 8	22 51	0n 9	4 31	25 28	2 3	22 46	0n 1	26 34	3 27	2 40	1 12	14 2	2 27	15 5	0 43	20 58	0 26	7 27	13 1	21 59	21 47	9 22	5 38	1 18	
M 9	22 57	6 11	5 0	25 24	2 3	22 56	0 3	26 39	3 31	2 38	1 12	14 1	2 27	15 5	0 43	20 57	0 26	7 27	13 0	21 59	21 48	9 19	5 37	1 18	
T 10	23 2	11 50	5 12	25 19	2 3	23 5	0 5	26 44	3 35	2 35	1 12	14 0	2 27	15 6	0 43	20 57	0 26	7 27	13 0	21 59	21 48	9 16	5 37	1 17	
W11	23 6	16 50	5 6	25 11	2 2	23 13	0 8	26 49	3 39	2 33	1 13	13 59	2 26	15 6	0 43	20 57	0 25	7 27	13 0	22 0	21 49	9 13	5 36	1 17	
T 12	23 10	20 55	4 43	25 2	2 1	23 21	0 10	26 54	3 44	2 30	1 13	13 59	2 26	15 6	0 43	20 56	0 25	7 27	13 0	22 0	21 49	9 10	5 36	1 16	
F 13	23 14	23 49	4 4	24 51	1 58	23 28	0 13	26 59	3 48	2 28	1 13	13 58	2 26	15 7	0 44	20 56	0 25	7 27	12 59	22 1	21 50	9 7	5 36	1 16	
S 14	23 17	25 24	3 14	24 38	1 55	23 34	0 15	27 4	3 52	2 26	1 13	13 57	2 26	15 7	0 44	20 56	0 25	7 26	12 59	22 2	21 50	9 4	5 35	1 15	
S 15	23 20	25 35	2 14	24 23	1 52	23 39	0 17	27 9	3 56	2 24	1 14	13 57	2 26	15 7	0 44	20 55	0 25	7 26	12 59	22 2	21 51	9 1	5 35	1 15	
M16	23 22	24 26	1 9	24 8	1 47	23 44	0 20	27 14	4 0	2 21	1 14	13 56	2 25	15 8	0 44	20 55	0 25	7 26	12 59	22 2	21 51	8 58	5 35	1 14	
T 17	23 24	22 6	0 2	23 51	1 42	23 48	0 22	27 19	4 4	2 19	1 14	13 55	2 25	15 8	0 44	20 55	0 25	7 26	12 58	22 2	21 52	8 56	5 35	1 14	
W18	23 26	18 48	1s 5	23 33	1 37	23 52	0 24	27 24	4 8	2 17	1 14	13 55	2 25	15 8	0 44	20 55	0 25	7 26	12 58	22 2	21 52	8 53	5 35	1 13	
T 19	23 27	14 46	2 8	23 14	1 30	23 55	0 26	27 29	4 12	2 15	1 15	13 54	2 25	15 9	0 44	20 54	0 25	7 26	12 58	22 2	21 53	8 50	5 35	1 13	
F 20	23 28	10 12	3 4	22 53	1 23	23 57	0 29	27 33	4 16	2 14	1 15	13 54	2 25	15 9	0 44	20 54	0 25	7 26	12 57	22 2	21 53	8 47	5 35	1 12	
S 21	23 28	5 18	3 53	22 32	1 16	23 58	0 31	27 38	4 20	2 12	1 15	13 53	2 24	15 9	0 44	20 53	0 25	7 26	12 57	22 2	21 54	8 44	5 35	1 12	
S 22	23 28	0 11	4 32	22 11	1 8	23 59	0 33	27 43	4 23	2 10	1 16	13 53	2 24	15 10	0 44	20 53	0 25	7 26	12 57	22 1	21 54	8 41	5 35	1 11	
M23	23 28	4s58	4 59	21 48	0 59	23 59	0 35	27 47	4 27	2 8	1 16	13 52	2 24	15 10	0 44	20 53	0 25	7 27	12 57	22 1	21 55	8 38	5 35	1 11	
T 24	23 27	10 0	5 14	21 26	0 50	23 58	0 37	27 51	4 31	2 7	1 16	13 52	2 24	15 11	0 44	20 52	0 25	7 27	12 56	22 1	21 55	8 35	5 36	1 10	
W25	23 26	14 46	5 14	21 2	0 40	23 56	0 40	27 55	4 34	2 5	1 16	13 51	2 23	15 11	0 44	20 52	0 25	7 27	12 56	22 2	21 56	8 32	5 36	1 10	
T 26	23 24	19 1	4 59	20 39	0 30	23 54	0 42	27 59	4 37	2 4	1 17	13 51	2 23	15 12	0 44	20 52	0 25	7 27	12 56	22 2	21 56	8 29	5 36	1 9	
F 27	23 22	22 28	4 29	20 15	0 19	23 51	0 44	28 3	4 40	2 2	1 17	13 50	2 23	15 12	0 44	20 51	0 25	7 27	12 55	22 2	21 57	8 26	5 37	1 9	
S 28	23 19	24 48	3 42	19 51	0 7	23 48	0 46	28 7	4 43	2 1	1 17	13 50	2 23	15 13	0 44	20 51	0 25	7 27	12 55	22 2	21 57	8 23	5 37	1 8	
S 29	23 16	25 42	2 42	19 27	0s 4	23 43	0 48	28 10	4 46	2 0	1 18	13 50	2 22	15 13	0 44	20 51	0 25	7 27	12 55	22 3	21 58	8 20	5 37	1 8	
M30	23n13	24s56	1s30	19n 3	0s17	23n38	0n50	28s14	4s49	1s59	1s18	13s50	2n22	15s14	0s44	20n50	0s25	7s27	12n54	22s 3	21s58	8n17	5s38	1s 7	

ASTRODIENST EPHEMERIS for the year 1749

geocentric

JULY 1749

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 36 37	9°58' 8"14	17°34' 40"	4°36' 16"	14°29' 29"	3°R35	28°H 5	14°R 4	20°R56	24°32	29°R28	19°D33	20°32	0°22	11°39	T 1
W 2	18 40 34	10° 5'24	2°22' 21"	5°20' 15"	15°43' 30"	3°R17	28° 8	14°M 2	20°54	24°34	29°M27	19°33	19°59	0°29	11°42	W 2
T 3	18 44 30	11° 2'35	17° 6	6° 0	16°57' 3° 0	28°11	14° 1	20°52	24°36	29°26	19°33	19°56	0°36	11°44	T 3	
F 4	18 48 27	11°59'45	1°48	6°36	18°10' 2°42	28°14	13°59	20°51	24°38	29°25	19°34	19°53	0°42	11°47	F 4	
S 5	18 52 23	12°56'55	16°22	7° 9	19°24' 2°25	28°17	13°58	20°49	24°41	29°24	19°35	19°50	0°49	11°50	S 5	
S 6	18 56 20	13°54'06	0°42	7°37	20°38' 2° 8	28°19	13°57	20°47	24°43	29°23	19°35	19°47	0°56	11°53	S 6	
M 7	19 0 16	14°51'18	14°46	8° 1	21°52' 1°51	28°21	13°56	20°46	24°45	29°22	19°R35	19°43	1° 2	11°56	M 7	
T 8	19 4 13	15°48'30	28°33	8°21	23° 6	1°34	28°24	13°55	20°44	24°47	29°21	19°35	19°40	1° 9	11°59	T 8
W 9	19 8 10	16°45'43	12°3	8°36	24°19' 1°18	28°25	13°54	20°42	24°49	29°20	19°35	19°37	1°16	12° 3	W 9	
T 10	19 12 6	17°42'56	25°16	8°46	25°33' 1° 3	28°27	13°53	20°40	24°52	29°19	19°35	19°34	1°22	12° 6	T 10	
F 11	19 16 3	18°40'10	8°14	8°52	26°47' 0°48	28°29	13°52	20°38	24°54	29°18	19°35	19°31	1°29	12°10	F 11	
S 12	19 19 59	19°37'24	20°57	8°R53	28° 1	0°33	28°30	13°52	20°36	24°56	29°17	19°D34	19°27	1°36	12°13	S 12
S 13	19 23 56	20°34'39	3°26	8°49	29°14' 0°19	28°31	13°51	20°34	24°58	29°16	19°35	19°24	1°42	12°17	S 13	
M14	19 27 52	21°31'54	15°45	8°40	0°L28	0° 6	28°32	13°51	20°32	25° 1	29°15	19°R35	19°21	1°49	12°21	M14
T 15	19 31 49	22°29'10	27°53	8°26	1°42	29°53	28°33	13°50	20°30	25° 3	29°15	19°35	19°18	1°56	12°25	T 15
W16	19 35 45	23°26'26	9°54	8° 8	2°56	29°41	28°33	13°50	20°28	25° 5	29°14	19°34	19°15	2° 2	12°29	W16
T 17	19 39 42	24°23'43	21°48	7°45	4°10	29°30	28°34	13°50	20°26	25° 7	29°13	19°34	19°12	2° 9	12°33	T 17
F 18	19 43 39	25°21'00	3°17	7°18	5°24	29°19	28°R34	13°D50	20°24	25° 9	29°12	19°33	19° 8	2°16	12°37	F 18
S 19	19 47 35	26°18'17	15°27	6°47	6°37	29° 9	28°34	13°50	20°22	25°12	29°12	19°32	19° 5	2°22	12°41	S 19
S 20	19 51 32	27°15'35	27°19	6°13	7°51	29° 0	28°34	13°50	20°20	25°14	29°11	19°31	19° 2	2°29	12°46	S 20
M21	19 55 28	28°12'53	9°17	5°35	9° 5	28°52	28°33	13°51	20°18	25°16	29°10	19°31	18°59	2°36	12°50	M21
T 22	19 59 25	29°10'11	21°25	4°55	10°19	28°44	28°33	13°51	20°16	25°18	29°10	19°30	18°56	2°42	12°55	T 22
W23	20 3 21	0°L 7'30	3°M48	4°12	11°33	28°37	28°32	13°51	20°13	25°21	29° 9	19°D30	18°53	2°49	12°59	W23
T 24	20 7 18	1° 4'50	16°30	3°29	12°47	28°31	28°31	13°52	20°11	25°23	29° 9	19°31	18°49	2°56	13° 4	T 24
F 25	20 11 14	2° 2'10	29°34	2°45	14° 0	28°26	28°30	13°53	20° 9	25°25	29° 8	19°31	18°46	3° 3	13° 9	F 25
S 26	20 15 11	2°59'31	13°4	2° 2	15°14	28°22	28°28	13°53	20° 7	25°27	29° 8	19°32	18°43	3° 9	13°14	S 26
S 27	20 19 8	3°56'52	27° 0	1°19	16°28	28°18	28°27	13°54	20° 5	25°29	29° 7	19°33	18°40	3°16	13°19	S 27
M28	20 23 4	4°54'14	11°32	0°38	17°42	28°16	28°25	13°55	20° 2	25°32	29° 7	19°34	18°37	3°23	13°24	M28
T 29	20 27 1	5°51'36	26° 5	0° 1	18°56	28°14	28°23	13°56	20° 0	25°34	29° 6	19°R34	18°33	3°29	13°29	T 29
W30	20 30 57	6°49'00	11°4	29°26	20° 9	28°13	28°21	13°57	19°58	25°36	29° 6	19°33	18°30	3°36	13°35	W30
T 31	20 34 54	7°46'24	26°11	28°56	21°L23	28°D13	28°H18	13°M59	19°55	25°38	29°M 6	19°32	18°27	3°43	13°40	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	23n 9	22s29	0s10	18n40	0s29	23n33	0n52	28s17	4s52	1s58	1s18	13s49	2n22	15s14	0s44	20n50
W 2	23 5	18 31	1n10	18 17	0 43	23 26	0 54	28 20	4 54	1 57	1 19	13 49	2 22	15 15	0 44	20 50
T 3	23 1	13 24	2 27	17 54	0 56	23 19	0 56	28 23	4 57	1 56	1 19	13 49	2 22	15 15	0 44	20 49
F 4	22 56	7 31	3 34	17 31	1 10	23 11	0 57	28 26	4 59	1 55	1 19	13 49	2 21	15 16	0 44	20 49
S 5	22 50	1 19	4 26	17 10	1 24	23 3	0 59	28 28	5 1	1 54	1 19	13 49	2 21	15 16	0 44	20 48
S 6	22 45	4n52	5 0	16 49	1 38	22 53	1 1	28 30	5 3	1 53	1 20	13 48	2 21	15 17	0 44	20 48
M 7	22 39	10 41	5 16	16 29	1 53	22 44	1 3	28 33	5 5	1 53	1 20	13 48	2 21	15 18	0 44	20 48
T 8	22 32	15 51	5 13	16 9	2 7	22 33	1 4	28 34	5 7	1 52	1 20	13 48	2 20	15 18	0 44	20 47
W 9	22 25	20 7	4 53	15 51	2 22	22 22	1 6	28 36	5 8	1 52	1 21	13 48	2 20	15 19	0 44	20 47
T 10	22 18	23 17	4 18	15 35	2 36	22 10	1 8	28 38	5 10	1 51	1 21	13 48	2 20	15 19	0 44	20 47
F 11	22 10	25 10	3 30	15 19	2 51	21 58	1 9	28 39	5 11	1 51	1 21	13 48	2 19	15 20	0 44	20 46
S 12	22 2	25 42	2 32	15 5	3 5	21 44	1 11	28 40	5 12	1 51	1 22	13 48	2 19	15 21	0 44	20 46
S 13	21 54	24 54	1 28	14 53	3 19	21 31	1 12	28 42	5 13	1 50	1 22	13 48	2 19	15 21	0 44	20 45
M14	21 45	22 54	0 21	14 42	3 33	21 16	1 13	28 42	5 14	1 50	1 22	13 49	2 19	15 22	0 44	20 45
T 15	21 36	19 52	0s46	14 33	3 46	21 1	1 15	28 43	5 15	1 50	1 23	13 49	2 18	15 23	0 44	20 45
W16	21 26	16 1	1 50	14 25	3 58	20 46	1 16	28 44	5 15	1 50	1 23	13 49	2 18	15 23	0 45	20 44
T 17	21 16	11 35	2 49	14 20	4 10	20 30	1 17	28 44	5 16	1 51	1 23	13 49	2 18	15 24	0 45	20 44
F 18	21 6	6 45	3 41	14 16	4 20	20 13	1 18	28 45	5 16	1 51	1 23	13 49	2 18	15 25	0 45	20 43
S 19	20 55	1 42	4 23	14 15	4 30	19 55	1 19	28 45	5 17	1 51	1 24	13 50	2 17	15 25	0 45	20 43
S 20	20 44	3s25	4 53	14 15	4 38	19 38	1 20	28 45	5 17	1 51	1 24	13 50	2 17	15 26	0 45	20 43
M21	20 33	8 27	5 12	14 18	4 45	19 19	1 21	28 45	5 17	1 52	1 24	13 50	2 17	15 27	0 45	20 42
T 22	20 21	13 15	5 17	14 22	4 50	19 0	1 22	28 44	5 16	1 52	1 25	13 51	2 17	15 27	0 45	20 42
W23	20 9	17 37	5 7	14 28	4 54	18 41	1 23	28 44	5 16	1 53	1 25	13 51	2 16	15 28	0 45	20 41
T 24	19 57	21 18	4 42	14 36	4 56	18 20	1 24	28 44	5 16	1 54	1 25	13 51	2 16	15 29	0 45	20 41
F 25	19 44	24 2	4 3	14 45	4 57	18 0	1 25	28 43	5 15	1 54	1 26	13 52	2 16	15 30	0 45	20 41
S 26	19 31	25 31	3 9	14 56	4 55	17 39	1 25	28 43	5 15	1 55	1 26	13 52	2 16	15 30	0 45	20 40
S 27	19 18	25 28	2 2	15 9	4 52	17 17	1 26	28 42	5 14	1 56	1 26	13 53	2 15	15 31	0 45	20 40
M28	19 4	23 44	0 45	15 22	4 47	16 55	1 27	28 41	5 14	1 57	1 26	13 53	2 15	15 32	0 45	20 39
T 29	18 50	20 22	0n36	15 37	4 40	16 33	1 27	28 40	5 13	1 58	1 27	13 54	2 15	15 33	0 45	20 39
W30	18 36	15 37	1 56	15 52	4 32	16 10	1 27	28 39	5 12	1 59	1 27	13 55	2 14	15 33	0 45	20 39
T 31	18n21	9s51	3n 9	16n 8	4s22	15n47	1n28	28s38	5s11	2s 1	1s27	13s55	2n14	15s34	0s45	20n38

Julian Day Number = 2360050.5, Delta T = 15.86 sec

Ecliptic obliquity = 23°28'21", Nutation = 0°00'17", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 21°14'35", Lahiri = 20°21'35"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1749
geocentric

AUGUST 1749

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	20 38 50	8♂43'49	11♂15	28♂R30	22♂137	28♂13	28♂R16	14♂0	19♂R53	25♂40	29♂R 5	19♂R30	18♂24	3♂49	13♂45	F 1
S 2	20 42 47	9°41'15	26° 9	28♂9	23°51	28°15	28♂13	14° 1	19♂51	25°43	29♂5	19♂27	18°21	3°56	13°51	S 2
S 3	20 46 43	10°38'43	10♂45	27°55	25° 5	28°17	28°10	14° 3	19°48	25°45	29° 5	19°25	18°18	4° 3	13°57	S 3
M 4	20 50 40	11°36'12	24°59	27°46	26°19	28°20	28° 7	14° 4	19°46	25°47	29° 5	19°23	18°14	4° 9	14° 2	M 4
T 5	20 54 37	12°33'42	8♂49	27°D44	27°32	28°24	28° 4	14° 6	19°44	25°49	29° 4	19°D22	18°11	4°16	14° 8	T 5
W 6	20 58 33	13°31'14	22°14	27°49	28°46	28°29	28° 0	14° 8	19°41	25°51	29° 4	19°22	18° 8	4°23	14°14	W 6
T 7	21 2 30	14°28'48	5♂17	28° 0	0♂0	28°35	27°56	14°10	19°39	25°53	29° 4	19°23	18° 5	4°29	14°20	T 7
F 8	21 6 26	15°26'22	18° 1	28°19	1°14	28°41	27°53	14°12	19°37	25°55	29° 4	19°25	18° 2	4°36	14°26	F 8
S 9	21 10 23	16°23'59	0♂28	28°44	2°28	28°48	27°49	14°14	19°34	25°58	29° 4	19°27	17°59	4°43	14°32	S 9
S 10	21 14 19	17°21'36	12°43	29°17	3°42	28°56	27°44	14°16	19°32	26° 0	29°D 4	19°28	17°55	4°50	14°38	S 10
M 11	21 18 16	18°19'15	24°48	29°56	4°55	29° 5	27°40	14°18	19°29	26° 2	29° 4	19°R28	17°52	4°56	14°44	M 11
T 12	21 22 12	19°16'55	6♂46	0♂43	6° 9	29°14	27°35	14°21	19°27	26° 4	29° 4	19°26	17°49	5° 3	14°51	T 12
W 13	21 26 9	20°14'37	18°40	1°36	7°23	29°25	27°31	14°23	19°25	26° 6	29° 4	19°24	17°46	5°10	14°57	W 13
T 14	21 30 6	21°12'20	0♂30	2°35	8°37	29°36	27°26	14°26	19°22	26° 8	29° 4	19°19	17°43	5°16	15° 3	T 14
F 15	21 34 2	22°10'04	12°20	3°42	9°51	29°48	27°21	14°28	19°20	26°10	29° 5	19°14	17°39	5°23	15°10	F 15
S 16	21 37 59	23° 7'49	24°10	4°54	11° 4	0♂0	27°15	14°31	19°17	26°12	29° 5	19° 8	17°36	5°30	15°16	S 16
S 17	21 41 55	24° 5'36	6♂4	6°12	12°18	0°13	27°10	14°34	19°15	26°14	29° 5	19° 2	17°33	5°36	15°23	S 17
M 18	21 45 52	25° 3'24	18° 4	7°35	13°32	0°27	27° 4	14°37	19°13	26°16	29° 5	18°56	17°30	5°43	15°30	M 18
T 19	21 49 48	26° 1'13	0♂13	9° 4	14°46	0°42	26°59	14°40	19°10	26°18	29° 6	18°52	17°27	5°50	15°37	T 19
W 20	21 53 45	26°59'03	12°35	10°37	16° 0	0°57	26°53	14°43	19° 8	26°20	29° 6	18°49	17°24	5°56	15°43	W 20
T 21	21 57 41	27°56'55	25°13	12°15	17°13	1°13	26°47	14°46	19° 6	26°22	29° 6	18°D48	17°20	6° 3	15°50	T 21
F 22	22 1 38	28°54'48	8♂11	13°56	18°27	1°30	26°41	14°49	19° 3	26°24	29° 7	18°48	17°17	6°10	15°57	F 22
S 23	22 5 35	29°52'42	21°33	15°41	19°41	1°47	26°35	14°53	19° 1	26°26	29° 7	18°50	17°14	6°16	16° 4	S 23
S 24	22 9 31	0♂50'38	5♂22	17°29	20°55	2° 5	26°28	14°56	18°59	26°28	29° 8	18°51	17°11	6°23	16°11	S 24
M 25	22 13 28	1°48'35	19°37	19°20	22° 8	2°24	26°22	14°59	18°56	26°30	29° 8	18°R51	17° 8	6°30	16°19	M 25
T 26	22 17 24	2°46'33	4♂19	21°12	23°22	2°43	26°15	15° 3	18°54	26°32	29° 9	18°51	17° 5	6°37	16°26	T 26
W 27	22 21 21	3°44'33	19°20	23° 6	24°36	3° 3	26° 8	15° 7	18°52	26°34	29° 9	18°48	17° 1	6°43	16°33	W 27
T 28	22 25 17	4°42'34	4♂35	25° 1	25°50	3°23	26° 1	15°10	18°49	26°35	29°10	18°43	16°58	6°50	16°40	T 28
F 29	22 29 14	5°40'36	19°53	26°57	27° 3	3°44	25°54	15°14	18°47	26°37	29°10	18°36	16°55	6°57	16°48	F 29
S 30	22 33 10	6°38'41	5♂2	28°54	28°17	4° 6	25°47	15°18	18°45	26°39	29°11	18°29	16°52	7° 3	16°55	S 30
S 31	22 37 7	7♂36'47	19♂53	0♂51	29♂31	4♂28	25♂40	15♂22	18♂43	26♂41	29♂12	18♂22	16♂49	7♂10	17♂3	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
F 1	18n 6	3s32	4n 8	16n24	4s11	15n23	1n28	28s37	5s10	2s 2	1s28	13s56	2n14	15s35	0s45	20n38
S 2	17 51	2n54	4 50	16 40	3 58	14 59	1 28	28 36	5 9	2 3	1 28	13 56	2 14	15 35	0 45	20 37
S 3	17 35	9 2	5 11	16 56	3 45	14 34	1 28	28 35	5 7	2 5	1 28	13 57	2 13	15 36	0 45	20 37
M 4	17 20	14 32	5 14	17 12	3 30	14 9	1 28	28 34	5 6	2 6	1 28	13 58	2 13	15 37	0 45	20 37
T 5	17 4	19 8	4 57	17 27	3 15	13 44	1 29	28 33	5 5	2 8	1 29	13 59	2 13	15 38	0 45	20 36
W 6	16 47	22 37	4 25	17 42	2 59	13 18	1 28	28 31	5 3	2 9	1 29	13 59	2 13	15 39	0 45	20 36
T 7	16 31	24 49	3 40	17 56	2 43	12 52	1 28	28 30	5 2	2 11	1 29	14 0	2 12	15 39	0 45	20 36
F 8	16 14	25 40	3 44	18 9	2 26	12 25	1 28	28 28	5 0	2 13	1 30	14 1	2 12	15 40	0 45	20 35
S 9	15 57	25 11	1 42	18 20	2 9	11 59	1 28	28 27	4 59	2 15	1 30	14 2	2 12	15 41	0 45	20 35
S 10	15 39	23 29	0 37	18 30	1 52	11 32	1 28	28 25	4 57	2 17	1 30	14 3	2 12	15 42	0 45	20 34
M 11	15 22	20 43	0s29	18 38	1 35	11 4	1 27	28 24	4 56	2 19	1 30	14 4	2 11	15 42	0 45	20 34
T 12	15 4	17 6	1 33	18 45	1 19	10 37	1 27	28 22	4 54	2 21	1 31	14 5	2 11	15 43	0 45	20 34
W 13	14 45	12 50	2 33	18 49	1 2	10 9	1 26	28 21	4 52	2 23	1 31	14 6	2 11	15 44	0 45	20 33
T 14	14 27	8 6	3 26	18 51	0 46	9 40	1 26	28 19	4 50	2 25	1 31	14 7	2 11	15 45	0 45	20 33
F 15	14 8	3 6	4 9	18 51	0 31	9 12	1 25	28 17	4 49	2 27	1 31	14 8	2 10	15 45	0 45	20 32
S 16	13 50	2s 0	4 42	18 48	0 16	8 43	1 24	28 15	4 47	2 30	1 32	14 9	2 10	15 46	0 45	20 32
S 17	13 31	7 3	5 3	18 43	0 2	8 14	1 23	28 13	4 45	2 32	1 32	14 10	2 10	15 47	0 45	20 32
M 18	13 11	11 53	5 11	18 35	0n12	7 45	1 22	28 11	4 43	2 34	1 32	14 11	2 10	15 48	0 45	20 31
T 19	12 52	16 19	5 5	18 24	0 24	7 16	1 22	28 9	4 41	2 37	1 32	14 12	2 9	15 48	0 45	20 31
W 20	12 32	20 9	4 45	18 11	0 36	6 46	1 21	28 7	4 39	2 39	1 32	14 13	2 9	15 49	0 45	20 31
T 21	12 12	23 9	4 10	17 54	0 47	6 16	1 19	28 5	4 37	2 42	1 33	14 14	2 9	15 50	0 45	20 30
F 22	11 52	25 2	3 23	17 35	0 57	5 46	1 18	28 3	4 35	2 44	1 33	14 15	2 9	15 50	0 45	20 30
S 23	11 32	25 35	2 23	17 13	1 7	5 16	1 17	28 1	4 33	2 47	1 33	14 17	2 8	15 51	0 45	20 29
S 24	11 11	24 34	1 13	16 48	1 15	4 46	1 16	27 58	4 31	2 50	1 33	14 18	2 8	15 52	0 45	20 29
M 25	10 51	21 58	0n 4	16 21	1 22	4 16	1 15	27 56	4 29	2 53	1 33	14 19	2 8	15 53	0 45	20 29
T 26	10 30	17 52	1 23	15 51	1 28	3 45	1 13	27 54	4 27	2 55	1 34	14 20	2 8	15 53	0 45	20 28
W 27	10 9	12 33	2 37	15 19	1 34	3 15	1 12	27 51	4 25	2 58	1 34	14 22	2 7	15 54	0 45	20 28
T 28	9 48	6 24	3 42	14 44	1 38	2 44	1 10	27 48	4 23	3 1	1 34	14 23	2 7	15 55	0 45	20 28
F 29	9 27	0n 8	4 30	14 8	1 41	2 13	1 9	27 46	4 21	3 4	1 34	14 24	2 7	15 55	0 45	20 27
S 30	9 5	6 35	4 59	13 30	1 44	1 42	1 7	27 43	4 19	3 7	1 34	14 26	2 7	15 56	0 45	20 27
S 31	8n44	12n31	5n 7	12n50	1n46	1n12	1n 5	27s40	4s16	3s10	1s34	14s27	2n 7	15s57	0s45	20n27

Julian Day Number = 2360081.5, Delta T = 15.88 sec
Ecliptic obliquity = 23°28'22, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°14'39, Lahiri = 20°21'40Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1749
geocentric

SEPTEMBER 1749

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	22 41 4	8 ^m 34'55	4 ^h 20	2 ^m 48	0 ^h 44	4 ^h 50	25°R33	15 ^m 26	18°R40	26 ^h 43	29 ^m 13	18°R17	16 ^h 45	7 ^m 17	17 ^h 10	M 1
T 2	22 45 0	9°33'06	18°17	4°45	1°58	5°13	25 ^h 26	15°30	18 ^h 38	26°44	29°13	18 ^h 13	16°42	7°23	17°18	T 2
W 3	22 48 57	10°31'18	1 ^h 46	6°41	3°12	5°37	25°18	15°35	18°36	26°46	29°14	18°10	16°39	7°30	17°25	W 3
T 4	22 52 53	11°29'33	14°48	8°37	4°25	6° 1	25°11	15°39	18°34	26°48	29°15	18°D10	16°36	7°37	17°33	T 4
F 5	22 56 50	12°27'49	27°27	10°32	5°39	6°25	25° 3	15°43	18°32	26°49	29°16	18°11	16°33	7°43	17°41	F 5
S 6	23 0 46	13°26'08	9 ^h 48	12°26	6°53	6°50	24°55	15°48	18°30	26°51	29°17	18°12	16°30	7°50	17°49	S 6
S 7	23 4 43	14°24'29	21°55	14°20	8° 6	7°16	24°48	15°52	18°28	26°53	29°18	18°R12	16°26	7°57	17°56	S 7
M 8	23 8 39	15°22'51	3 ^h 52	16°12	9°20	7°41	24°40	15°57	18°26	26°54	29°19	18°11	16°23	8° 4	18° 4	M 8
T 9	23 12 36	16°21'16	15°44	18° 4	10°34	8° 8	24°32	16° 1	18°24	26°56	29°20	18° 7	16°20	8°10	18°12	T 9
W10	23 16 33	17°19'43	27°33	19°54	11°47	8°35	24°24	16° 6	18°22	26°58	29°21	18° 1	16°17	8°17	18°20	W10
T 11	23 20 29	18°18'11	9 ^m 22	21°44	13° 1	9° 2	24°16	16°11	18°20	26°59	29°22	17°52	16°14	8°24	18°28	T 11
F 12	23 24 26	19°16'42	21°14	23°32	14°14	9°30	24° 8	16°16	18°18	27° 1	29°23	17°41	16°10	8°30	18°36	F 12
S 13	23 28 22	20°15'14	3 ^h 9	25°20	15°28	9°58	24° 0	16°21	18°16	27° 2	29°24	17°29	16° 7	8°37	18°44	S 13
S 14	23 32 19	21°13'49	15°10	27° 6	16°42	10°26	23°52	16°26	18°14	27° 4	29°25	17°17	16° 4	8°44	18°52	S 14
M15	23 36 15	22°12'25	27°17	28°52	17°55	10°55	23°44	16°31	18°12	27° 5	29°26	17° 6	16° 1	8°50	19° 0	M15
T 16	23 40 12	23°11'03	9 ^m 32	0 ^h 36	19° 9	11°24	23°36	16°36	18°10	27° 6	29°27	16°57	15°58	8°57	19° 9	T 16
W17	23 44 8	24° 9'42	21°58	2°19	20°22	11°54	23°28	16°41	18° 8	27° 8	29°29	16°50	15°55	9° 4	19°17	W17
T 18	23 48 5	25° 8'24	4 ^h 37	4° 1	21°36	12°24	23°20	16°46	18° 7	27° 9	29°30	16°46	15°51	9°10	19°25	T 18
F 19	23 52 1	26° 7'07	17°33	5°43	22°49	12°54	23°12	16°52	18° 5	27°11	29°31	16°44	15°48	9°17	19°33	F 19
S 20	23 55 58	27° 5'52	0 ^h 48	7°23	24° 3	13°25	23° 4	16°57	18° 3	27°12	29°33	16°D44	15°45	9°24	19°42	S 20
S 21	23 59 55	28° 4'39	14°27	9° 2	25°16	13°56	22°56	17° 2	18° 1	27°13	29°34	16°R44	15°42	9°31	19°50	S 21
M22	0 3 51	29° 3'27	28°30	10°41	26°30	14°28	22°48	17° 8	18° 0	27°14	29°35	16°44	15°39	9°37	19°58	M22
T 23	0 7 48	0 ^h 2'17	12 ^h 37	12°18	27°43	14°59	22°40	17°13	17°58	27°16	29°37	16°41	15°36	9°44	20° 7	T 23
W24	0 11 44	1° 1'09	27°48	13°55	28°57	15°31	22°33	17°19	17°57	27°17	29°38	16°37	15°32	9°51	20°15	W24
T 25	0 15 41	2° 0'03	12 ^h 54	15°30	0 ^m 10	16° 4	22°25	17°25	17°55	27°18	29°40	16°29	15°29	9°57	20°23	T 25
F 26	0 19 37	2°58'58	28° 8	17° 5	1°23	16°36	22°17	17°30	17°54	27°19	29°41	16°19	15°26	10° 4	20°32	F 26
S 27	0 23 34	3°57'56	13°Y18	18°39	2°37	17° 9	22° 9	17°36	17°52	27°20	29°43	16° 9	15°23	10°11	20°40	S 27
S 28	0 27 30	4°56'55	28°14	20°12	3°50	17°43	22° 2	17°42	17°51	27°21	29°44	15°58	15°20	10°17	20°49	S 28
M29	0 31 27	5°55'57	12 ^h 48	21°44	5° 3	18°16	21°54	17°48	17°50	27°22	29°46	15°48	15°16	10°24	20°57	M29
T 30	0 35 24	6 ^h 55'01	26 ^h 54	23 ^h 16	6 ^m 17	18 ^h 50	21 ^h 47	17 ^m 54	17 ^h 48	27 ^h 23	29 ^m 47	15 ^h 41	15 ^h 13	10 ^m 31	21 ^h 6	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
M 1	8n22	17n37	4n56	12n 9	1n47	0n41	1n 4	27s37	4s14	3s13	1s35	14s28	2n 6	15s58	0s45	20n26	0s25	7s52	12n25	22s13	22s25	5n 9	7s23	0s41	
T 2	8 0	21 34	4 26	11 27	1 47	0 10	1 2	27 34	4 12	3 16	1 35	14 30	2 6	15 58	0 45	20 26	0 25	7 53	12 24	22 14	22 26	5 6	7 26	0 41	
W 3	7 38	24 11	3 43	10 44	1 47	0s21	1 0	27 31	4 10	3 19	1 35	14 31	2 6	15 59	0 45	20 26	0 25	7 54	12 24	22 14	22 26	5 3	7 28	0 41	
T 4	7 16	25 25	2 50	9 59	1 46	0 52	0 58	27 28	4 8	3 22	1 35	14 33	2 6	16 0	0 45	20 25	0 25	7 54	12 23	22 14	22 26	5 0	7 31	0 40	
F 5	6 54	25 16	1 49	9 14	1 44	1 24	0 56	27 24	4 6	3 25	1 35	14 34	2 5	16 0	0 45	20 25	0 25	7 55	12 23	22 14	22 27	4 57	7 34	0 40	
S 6	6 31	23 51	0 45	8 28	1 42	1 55	0 54	27 21	4 4	3 29	1 35	14 35	2 5	16 1	0 45	20 25	0 25	7 56	12 22	22 14	22 27	4 54	7 36	0 39	
S 7	6 9	21 22	0s20	7 42	1 39	2 26	0 52	27 17	4 1	3 32	1 35	14 37	2 5	16 1	0 45	20 24	0 25	7 56	12 22	22 14	22 28	4 52	7 39	0 39	
M 8	5 46	17 58	1 23	6 56	1 36	2 57	0 50	27 14	3 59	3 35	1 35	14 38	2 5	16 2	0 45	20 24	0 25	7 57	12 21	22 14	22 28	4 49	7 42	0 39	
T 9	5 24	13 53	2 22	6 9	1 32	3 28	0 47	27 10	3 57	3 38	1 36	14 40	2 5	16 3	0 45	20 24	0 25	7 58	12 21	22 15	22 28	4 46	7 44	0 38	
W10	5 1	9 18	3 14	5 21	1 28	3 58	0 45	27 6	3 55	3 41	1 36	14 42	2 4	16 3	0 45	20 23	0 25	7 58	12 21	22 16	22 29	4 43	7 47	0 38	
T 11	4 38	4 23	3 58	4 34	1 24	4 29	0 43	27 2	3 53	3 45	1 36	14 43	2 4	16 4	0 45	20 23	0 25	7 59	12 20	22 17	22 29	4 40	7 50	0 38	
F 12	4 15	0s41	4 32	3 47	1 19	5 0	0 41	26 58	3 50	3 48	1 36	14 45	2 4	16 4	0 45	20 23	0 25	8 0	12 20	22 18	22 29	4 37	7 53	0 37	
S 13	3 52	5 44	4 53	2 59	1 14	5 31	0 38	26 54	3 48	3 51	1 36	14 46	2 4	16 5	0 45	20 23	0 25	8 0	12 19	22 20	22 30	4 34	7 55	0 37	
S 14	3 29	10 37	5 2	2 12	1 9	6 1	0 36	26 49	3 46	3 54	1 36	14 48	2 4	16 6	0 45	20 22	0 25	8 1	12 19	22 21	22 30	4 31	7 58	0 37	
M15	3 6	15 9	4 58	1 25	1 3	6 32	0 33	26 45	3 44	3 58	1 36	14 50	2 3	16 6	0 45	20 22	0 25	8 2	12 18	22 23	22 31	4 28	8 1	0 36	
T 16	2 43	19 6	4 40	0 38	0 57	7 2	0 31	26 40	3 42	4 1	1 36	14 51	2 3	16 7	0 45	20 22	0 25	8 2	12 18	22 24	22 31	4 25	8 4	0 36	
W17	2 19	22 17	4 8	0s 9	0 51	7 32	0 28	26 35	3 40	4 4	1 36	14 53	2 3	16 7	0 45	20 21	0 25	8 3	12 17	22 25	22 31	4 22	8 6	0 36	
T 18	1 56	24 26	3 24	0 55	0 45	8 2	0 26	26 30	3 37	4 7	1 36	14 54	2 3	16 8	0 45	20 21	0 25	8 4	12 17	22 25	22 32	4 19	8 9	0 35	
F 19	1 33	25 21	2 28	1 41	0 38	8 32	0 23	26 25	3 35	4 10	1 36	14 56	2 3	16 8	0 44	20 21	0 25	8 4	12 16	22 25	22 32	4 16	8 12	0 35	
S 20	1 9	24 52	1 24	2 27	0 32	9 2	0 20	26 20	3 33	4 13	1 36	14 58	2 2	16 9	0 44	20 21	0 25	8 5	12 16	22 25	22 32	4 13	8 15	0 35	
S 21	0 46	22 53	0 12	3 12	0 25	9 31	0 18	26 14	3 31	4 17	1 36	15 0	2 2	16 9	0 44	20 20	0 25	8 6	12 16	22 25	22 33	4 10	8 18	0 34	
M22	0 23	19 29	1n 2	3 57	0 18	10 0	0 15	26 9	3 29	4 20	1 36	15 1	2 2	16 10	0 44	20 20	0 25	8 6	12 15	22 25	22 33	4 7	8 21	0 34	
T 23	0s 1	14 48	2 14	4 42	0 11	10 29	0 12	26 3	3 27	4 23	1 36	15 3	2 2	16 10	0 44	20 20	0 25	8 7	12 15	22 26	22 34	4 4	8 24	0 34	
W24	0 24	9 8	3 19	5 26	0 4	10 58	0 9	25 57	3 24	4 26	1 36	15 5	2 2	16 11	0 44	20 20	0 25	8 8	12 14	22 26	22 34	4 1	8 26	0 33	
T 25	0 48	2 51	4 11	6 9	0s 3	11 27	0 7	25 51	3 22	4 29	1 36	15 6	2 2	16 11	0 44	20 19	0 25	8 9	12 14	22 27	22 34	3 58	8 29	0 33	
F 26	1 11	3n38	4 46	6 52	0 10	11 55	0 4	25 45	3 20	4 32	1 36	15 8	2 1	16 12	0 44	20 19	0 25	8 9	12 13	22 28	22 35	3 55	8 32	0 33	
S 27	1 35	9 52	5 1	7 35	0 17	12 23	0 1	25 39	3 18	4 35	1 36	15 10	2 1	16 12	0 44	20 19	0 25	8 10	12 13	22 30	22 35	3 52	8 35	0 32	
S 28	1 58	15 26	4 54	8 17	0 24	12 51	0s 2	25 32	3 16	4 38	1 36	15 12	2 1	16 12	0 44	20 19	0 25	8 11	12 13	22 31	22 35	3 49	8 38	0 32	
M29	2 22	19 58	4 29	8 58	0 32	13 18	0 5	25 25	3 14	4 41	1 36	15 14	2 1	16 13	0 44	20 19	0 25	8 11	12 12	22 32	22 36	3 46	8 41	0 32	
T 30	2s45	23n10	3n47	9s39	0s39	13s45	0s 8	25s19	3s12	4s44	1s36	15s15	2n 1	16s13	0s44	20n18	0s25	8s12	12n12	22s33	22s36	3n43	8s44	0s32	

Julian Day Number = 2360112.5, Delta T = 15.91 sec
Ecliptic obliquity = 23°28'22, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°14'43, Lahiri = 20°21'44Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1749
geocentric

OCTOBER 1749

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	0 39 20	7♂54°08	10♂29	24♂46	7♂30	19♂24	21°R39	18♂0	17°R47	27♂24	29♂49	15°R36	15♂10	10♂38	21♂15	W 1
T 2	0 43 17	8°53'17	23°36	26°16	8°43	19°58	21°R32	18°6	17°R46	27°25	29°51	15°R34	15°7	10°44	21°23	T 2
F 3	0 47 13	9°52'28	6♂17	27°45	9°57	20°33	21°25	18°12	17°45	27°26	29°52	15°33	15°4	10°51	21°32	F 3
S 4	0 51 10	10°51'41	18°37	29°13	11°10	21°7	21°18	18°18	17°43	27°27	29°54	15°33	15°1	10°58	21°40	S 4
S 5	0 55 6	11°50'57	0♂42	0♂40	12°23	21°42	21°11	18°24	17°42	27°28	29°56	15°33	14°57	11°4	21°49	S 5
M 6	0 59 3	12°50'15	12°37	2°6	13°36	22°18	21°4	18°31	17°41	27°29	29°57	15°30	14°54	11°11	21°58	M 6
T 7	1 2 59	13°49'35	24°27	3°32	14°50	22°53	20°57	18°37	17°40	27°30	29°59	15°26	14°51	11°18	22°6	T 7
W 8	1 6 56	14°48'58	6♂16	4°56	16°3	23°29	20°50	18°43	17°39	27°31	0♂1	15°18	14°48	11°24	22°15	W 8
T 9	1 10 53	15°48'22	18°7	6°20	17°16	24°5	20°44	18°49	17°38	27°31	0°3	15°8	14°45	11°31	22°24	T 9
F 10	1 14 49	16°47'49	0♂3	7°42	18°29	24°41	20°37	18°56	17°37	27°32	0°5	14°55	14°42	11°38	22°32	F 10
S 11	1 18 46	17°47'18	12°6	9°4	19°42	25°17	20°31	19°2	17°37	27°33	0°7	14°41	14°38	11°44	22°41	S 11
S 12	1 22 42	18°46'49	24°17	10°25	20°55	25°54	20°25	19°9	17°36	27°33	0°8	14°26	14°35	11°51	22°50	S 12
M13	1 26 39	19°46'22	6♂36	11°44	22°9	26°30	20°19	19°15	17°35	27°34	0°10	14°13	14°32	11°58	22°58	M13
T 14	1 30 35	20°45'57	19°5	13°3	23°22	27°7	20°13	19°22	17°34	27°35	0°12	14°1	14°29	12°5	23°7	T 14
W15	1 34 32	21°45'34	1♂43	14°20	24°35	27°45	20°7	19°28	17°34	27°35	0°14	13°53	14°26	12°11	23°16	W15
T 16	1 38 28	22°45'13	14°33	15°35	25°48	28°22	20°1	19°35	17°33	27°36	0°16	13°47	14°22	12°18	23°24	T 16
F 17	1 42 25	23°44'54	27°35	16°50	27°1	28°59	19°56	19°42	17°33	27°36	0°18	13°44	14°19	12°25	23°33	F 17
S 18	1 46 22	24°44'37	10♂52	18°2	28°14	29°37	19°51	19°48	17°32	27°37	0°20	13°D43	14°16	12°31	23°42	S 18
S 19	1 50 18	25°44'21	24°26	19°13	29°27	0♂15	19°46	19°55	17°32	27°37	0°22	13°R44	14°13	12°38	23°51	S 19
M20	1 54 15	26°44'07	8♂19	20°23	0♂40	0°53	19°41	20°2	17°31	27°37	0°24	13°43	14°10	12°45	23°59	M20
T 21	1 58 11	27°43'54	22°31	21°30	1°53	1°31	19°36	20°9	17°31	27°38	0°26	13°41	14°7	12°52	24°8	T 21
W22	2 2 8	28°43'43	7♂2	22°34	3°6	2°10	19°32	20°15	17°31	27°38	0°28	13°37	14°3	12°58	24°17	W22
T 23	2 6 4	29°43'34	21°48	23°37	4°18	2°48	19°27	20°22	17°30	27°38	0°30	13°29	14°0	13°5	24°25	T 23
F 24	2 10 1	0♂43'26	6°Y42	24°36	5°31	3°27	19°23	20°29	17°30	27°39	0°33	13°20	13°57	13°12	24°34	F 24
S 25	2 13 57	1°43'21	21°36	25°33	6°44	4°6	19°19	20°36	17°30	27°39	0°35	13°9	13°54	13°18	24°43	S 25
S 26	2 17 54	2°43'17	6♂21	26°26	7°57	4°45	19°15	20°43	17°30	27°39	0°37	12°58	13°51	13°25	24°51	S 26
M27	2 21 51	3°43'15	20°49	27°16	9°10	5°24	19°11	20°50	17°D30	27°39	0°39	12°49	13°47	13°32	25°0	M27
T 28	2 25 47	4°43'15	4♂53	28°1	10°22	6°3	19°8	20°57	17°30	27°39	0°41	12°41	13°44	13°38	25°9	T 28
W29	2 29 44	5°43'18	18°30	28°41	11°35	6°42	19°5	21°4	17°30	27°39	0°43	12°36	13°41	13°45	25°17	W29
T 30	2 33 40	6°43'22	1♂41	29°17	12°48	7°22	19°2	21°11	17°30	27°39	0°46	12°34	13°38	13°52	25°26	T 30
F 31	2 37 37	7♂43'29	14♂26	29♂46	14♂0	8♂1	18°R59	21♂18	17°R30	27°R39	0♂48	12°D33	13♂35	13♂59	25♂34	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	3s 8	24n55	2n54	10s19	0s46	14s12	0s11	25s12	3s 9	4s47	1s36	15s17	2n 1	16s14	0s44	20n18
T 2	3 32	25 12	1 53	10 59	0 53	14 39	0 14	25 4	3 7	4 50	1 36	15 19	2 0	16 14	0 44	20 18
F 3	3 55	24 8	0 49	11 38	1 0	15 5	0 17	24 57	3 5	4 52	1 36	15 21	2 0	16 14	0 44	20 18
S 4	4 18	21 55	0s16	12 16	1 7	15 31	0 20	24 50	3 3	4 55	1 35	15 23	2 0	16 15	0 44	20 18
S 5	4 41	18 44	1 19	12 53	1 14	15 56	0 23	24 42	3 1	4 58	1 35	15 24	2 0	16 15	0 44	20 17
M 6	5 5	14 50	2 18	13 30	1 21	16 21	0 26	24 34	2 59	5 0	1 35	15 26	2 0	16 15	0 44	20 17
T 7	5 28	10 24	3 10	14 6	1 28	16 46	0 29	24 26	2 57	5 3	1 35	15 28	2 0	16 15	0 44	20 17
W 8	5 51	5 36	3 54	14 41	1 35	17 10	0 32	24 18	2 55	5 6	1 35	15 30	2 0	16 16	0 44	20 17
T 9	6 14	0 36	4 27	15 15	1 42	17 34	0 35	24 9	2 53	5 8	1 35	15 32	1 59	16 16	0 44	20 17
F 10	6 37	4s27	4 50	15 48	1 48	17 57	0 38	24 1	2 51	5 10	1 35	15 34	1 59	16 16	0 44	20 17
S 11	6 59	9 22	4 59	16 21	1 54	18 20	0 41	23 52	2 49	5 13	1 35	15 36	1 59	16 16	0 44	20 17
S 12	7 22	14 0	4 55	16 52	2 1	18 43	0 44	23 43	2 46	5 15	1 34	15 37	1 59	16 17	0 44	20 16
M13	7 45	18 6	4 37	17 23	2 7	19 5	0 47	23 34	2 44	5 17	1 34	15 39	1 59	16 17	0 44	20 16
T 14	8 7	21 27	4 6	17 53	2 12	19 26	0 50	23 25	2 42	5 19	1 34	15 41	1 59	16 17	0 44	20 16
W15	8 29	23 50	3 22	18 21	2 18	19 47	0 53	23 16	2 40	5 22	1 34	15 43	1 59	16 17	0 44	20 16
T 16	8 52	25 1	2 28	18 49	2 23	20 8	0 56	23 6	2 38	5 24	1 34	15 45	1 59	16 17	0 44	20 16
F 17	9 14	24 51	1 24	19 15	2 28	20 28	0 58	22 56	2 36	5 26	1 34	15 47	1 58	16 17	0 44	20 16
S 18	9 36	23 17	0 15	19 41	2 33	20 47	1 1	22 46	2 34	5 28	1 33	15 49	1 58	16 18	0 44	20 16
S 19	9 58	20 20	0n56	20 5	2 37	21 6	1 4	22 36	2 32	5 29	1 33	15 51	1 58	16 18	0 44	20 16
M20	10 19	16 11	2 6	20 27	2 41	21 25	1 7	22 26	2 30	5 31	1 33	15 53	1 58	16 18	0 44	20 16
T 21	10 41	11 2	3 10	20 49	2 45	21 43	1 10	22 16	2 28	5 33	1 33	15 55	1 58	16 18	0 44	20 16
W22	11 2	5 11	4 3	21 9	2 48	22 0	1 13	22 5	2 26	5 34	1 33	15 56	1 58	16 18	0 44	20 15
T 23	11 23	1n 2	4 40	21 28	2 51	22 16	1 16	21 54	2 24	5 36	1 33	15 58	1 58	16 18	0 44	20 15
F 24	11 44	7 15	5 0	21 45	2 53	22 32	1 18	21 43	2 22	5 37	1 32	16 0	1 58	16 18	0 43	20 15
S 25	12 5	13 2	4 58	22 0	2 55	22 48	1 21	21 32	2 21	5 39	1 32	16 2	1 58	16 18	0 43	20 15
S 26	12 26	18 1	4 37	22 14	2 56	23 3	1 24	21 21	2 19	5 40	1 32	16 4	1 57	16 18	0 43	20 15
M27	12 46	21 49	3 58	22 26	2 56	23 17	1 26	21 9	2 17	5 41	1 32	16 6	1 57	16 18	0 43	20 15
T 28	13 7	24 11	3 6	22 36	2 56	23 30	1 29	20 58	2 15	5 43	1 31	16 8	1 57	16 18	0 43	20 15
W29	13 27	25 2	2 4	22 44	2 55	23 43	1 32	20 46	2 13	5 44	1 31	16 10	1 57	16 18	0 43	20 15
T 30	13 47	24 25	0 58	22 50	2 52	23 55	1 34	20 34	2 11	5 45	1 31	16 12	1 57	16 18	0 43	20 15
F 31	14s 6	22n31	0s10	22s53	2s49	24s 7	1s37	20s22	2s 9	5s46	1s31	16s14	1n57	16s18	0s43	20n15

Julian Day Number = 2360142.5, Delta T = 15.93 sec
Ecliptic obliquity = 23°28'22", Nutation = 0°00'16", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°14'48", Lahiri = 20°21'48"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1749
geocentric

NOVEMBER 1749

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 41 33	8♍43°37	26♌50	0♊9	15♊13	8♍41	18°R56	21♍25	17♍30	27°R39	0♊50	12♌34	13♌32	14♍5	25♌43	S 1
S 2	2 45 30	9°43'48	8♌57	0°25	16°25	9°21	18♋54	21°32	17°31	27♌39	0°52	12°R34	13°28	14°12	25°51	S 2
M 3	2 49 26	10°44'01	20°54	0°34	17°38	10°1	18°51	21°39	17°31	27°39	0°54	12°34	13°25	14°19	26°0	M 3
T 4	2 53 23	11°44'15	2♍45	0°R34	18°51	10°41	18°49	21°46	17°31	27°39	0°57	12°31	13°22	14°25	26°9	T 4
W 5	2 57 20	12°44'32	14°35	0°25	20°3	11°21	18°47	21°53	17°32	27°39	0°59	12°26	13°19	14°32	26°17	W 5
T 6	3 1 16	13°44'51	26°28	0°6	21°15	12°1	18°46	22°0	17°32	27°39	1°1	12°19	13°16	14°39	26°25	T 6
F 7	3 5 13	14°45'11	8♌29	29♍38	22°28	12°41	18°44	22°7	17°33	27°38	1°3	12°9	13°13	14°45	26°34	F 7
S 8	3 9 9	15°45'34	20°40	29°0	23°40	13°22	18°43	22°14	17°33	27°38	1°6	11°59	13°9	14°52	26°42	S 8
S 9	3 13 6	16°45'58	3♍2	28°11	24°53	14°2	18°42	22°21	17°34	27°38	1°8	11°48	13°6	14°59	26°51	S 9
M10	3 17 2	17°46'24	15°36	27°13	26°5	14°43	18°41	22°28	17°35	27°38	1°10	11°38	13°3	15°6	26°59	M10
T 11	3 20 59	18°46'52	28°23	26°7	27°17	15°24	18°40	22°36	17°35	27°37	1°13	11°29	13°0	15°12	27°7	T 11
W12	3 24 55	19°47'21	11♊21	24°54	28°29	16°4	18°40	22°43	17°36	27°37	1°15	11°23	12°57	15°19	27°16	W12
T 13	3 28 52	20°47'52	24°31	23°36	29°41	16°45	18°40	22°50	17°37	27°36	1°17	11°19	12°53	15°26	27°24	T 13
F 14	3 32 49	21°48'24	7♌35	22°15	0♊54	17°26	18°D40	22°57	17°38	27°36	1°20	11°D17	12°50	15°32	27°32	F 14
S 15	3 36 45	22°48'58	21°23	20°54	2°6	18°7	18°40	23°4	17°39	27°35	1°22	11°18	12°47	15°39	27°40	S 15
S 16	3 40 42	23°49'33	5♍5	19°36	3°18	18°49	18°40	23°11	17°40	27°35	1°24	11°19	12°44	15°46	27°49	S 16
M17	3 44 38	24°50'09	18°59	18°23	4°30	19°30	18°41	23°19	17°41	27°34	1°27	11°R20	12°41	15°53	27°57	M17
T 18	3 48 35	25°50'46	3♋3	17°18	5°42	20°11	18°42	23°26	17°42	27°34	1°29	11°20	12°38	15°59	28°5	T 18
W19	3 52 31	26°51'24	17°18	16°21	6°53	20°53	18°43	23°33	17°43	27°33	1°32	11°18	12°34	16°6	28°13	W19
T 20	3 56 28	27°52'04	1♋41	15°36	8°5	21°34	18°44	23°40	17°44	27°32	1°34	11°14	12°31	16°13	28°21	T 20
F 21	4 0 24	28°52'44	16°8	15°2	9°17	22°15	18°45	23°47	17°45	27°32	1°36	11°9	12°28	16°19	28°29	F 21
S 22	4 4 21	29°53'26	0♊34	14°39	10°29	22°57	18°47	23°54	17°47	27°31	1°39	11°2	12°25	16°26	28°37	S 22
S 23	4 8 18	0♊54°09	14°54	14°D28	11°40	23°39	18°49	24°1	17°48	27°30	1°41	10°55	12°22	16°33	28°45	S 23
M24	4 12 14	1°54'53	29°0	14°28	12°52	24°20	18°51	24°8	17°49	27°30	1°43	10°49	12°19	16°40	28°52	M24
T 25	4 16 11	2°55'38	12♌50	14°39	14°3	25°2	18°53	24°16	17°51	27°29	1°46	10°45	12°15	16°46	29°0	T 25
W26	4 20 7	3°56'25	26°18	14°59	15°14	25°44	18°55	24°23	17°52	27°28	1°48	10°42	12°12	16°53	29°8	W26
T 27	4 24 4	4°57'13	9♌25	15°28	16°26	26°26	18°58	24°30	17°54	27°27	1°50	10°D41	12°9	17°0	29°16	T 27
F 28	4 28 0	5°58'03	22°10	16°5	17°37	27°8	19°1	24°37	17°55	27°26	1°53	10°41	12°6	17°6	29°23	F 28
S 29	4 31 57	6°58'53	4♌36	16°49	18°48	27°49	19°4	24°44	17°57	27°25	1°55	10°43	12°3	17°13	29°31	S 29
S 30	4 35 53	7♊59°45	16♌47	17♍39	19♌59	28♍31	19♋7	24♍51	17♍58	27♌24	1♊58	10♌45	11♌59	17♍20	29♌38	S 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	14s26	19n35	1s15	22s54	2s45	24s18	1s39	20s10	2s 7	5s46	1s31	16s15	1n57	16s18	0s43	20n15	0s25	8s34	12n 2	22s53	22s47	2n 8	10s17	0s22			
S 2	14 45	15 51	2 16	22 52	2 39	24 28	1 42	19 57	2 5	5 47	1 30	16 17	1 57	16 18	0 43	20 15	0 25	8 35	12 1	22 53	22 47	2 5	10 20	0 22			
M 3	15 4	11 33	3 10	22 47	2 33	24 37	1 44	19 45	2 3	5 48	1 30	16 19	1 57	16 17	0 43	20 15	0 25	8 36	12 1	22 53	22 48	2 2	10 23	0 21			
T 4	15 23	6 51	3 55	22 39	2 24	24 46	1 46	19 32	2 2	5 48	1 30	16 21	1 57	16 17	0 43	20 15	0 25	8 36	12 1	22 53	22 48	1 59	10 26	0 21			
W 5	15 41	1 56	4 30	22 27	2 14	24 54	1 48	19 19	2 0	5 49	1 30	16 23	1 57	16 17	0 43	20 15	0 25	8 37	12 1	22 53	22 48	1 56	10 29	0 21			
T 6	15 59	3s 5	4 53	22 12	2 3	25 1	1 51	19 6	1 58	5 49	1 29	16 25	1 57	16 17	0 43	20 15	0 25	8 38	12 1	22 54	22 49	1 53	10 32	0 20			
F 7	16 17	8 1	5 4	21 53	1 50	25 8	1 53	18 53	1 56	5 50	1 29	16 27	1 57	16 17	0 43	20 15	0 25	8 38	12 0	22 55	22 49	1 50	10 34	0 20			
S 8	16 35	12 43	5 1	21 31	1 35	25 14	1 55	18 39	1 54	5 50	1 29	16 29	1 57	16 17	0 43	20 15	0 25	8 39	12 0	22 56	22 49	1 47	10 37	0 20			
S 9	16 52	16 59	4 44	21 4	1 19	25 19	1 57	18 26	1 52	5 50	1 29	16 30	1 56	16 16	0 43	20 15	0 25	8 39	12 0	22 57	22 50	1 44	10 40	0 20			
M10	17 9	20 34	4 13	20 34	1 1	25 23	1 59	18 12	1 51	5 50	1 28	16 32	1 56	16 16	0 43	20 16	0 25	8 40	12 0	22 58	22 50	1 41	10 43	0 19			
T 11	17 26	23 14	3 29	20 0	0 43	25 27	2 0	17 59	1 49	5 50	1 28	16 34	1 56	16 16	0 43	20 16	0 25	8 41	12 0	22 59	22 50	1 38	10 45	0 19			
W12	17 43	24 43	2 34	19 23	0 23	25 30	2 2	17 45	1 47	5 50	1 28	16 36	1 56	16 16	0 43	20 16	0 25	8 41	11 59	22 59	22 50	1 35	10 48	0 19			
T 13	17 59	24 50	1 29	18 44	0 2	25 32	2 4	17 31	1 45	5 50	1 28	16 38	1 56	16 15	0 43	20 16	0 25	8 42	11 59	22 59	22 51	1 32	10 51	0 18			
F 14	18 15	23 33	0 19	18 3	0n19	25 34	2 6	17 16	1 44	5 50	1 27	16 40	1 56	16 15	0 43	20 16	0 25	8 42	11 59	23 0	22 51	1 29	10 54	0 18			
S 15	18 30	20 53	0n54	17 23	0 39	25 34	2 7	17 2	1 42	5 50	1 27	16 41	1 56	16 15	0 43	20 16	0 25	8 43	11 59	22 59	22 51	1 26	10 56	0 18			
S 16	18 45	17 0	2 5	16 43	0 58	25 34	2 9	16 48	1 40	5 49	1 27	16 43	1 56	16 14	0 43	20 16	0 25	8 44	11 59	22 59	22 52	1 23	10 59	0 17			
M17	19 0	12 9	3 9	16 6	1 16	25 34	2 10	16 33	1 38	5 49	1 27	16 45	1 56	16 14	0 43	20 16	0 25	8 44	11 59	22 59	22 52	1 20	11 2	0 17			
T 18	19 15	6 37	4 3	15 32	1 33	25 32	2 11	16 18	1 37	5 48	1 26	16 47	1 56	16 14	0 43	20 16	0 25	8 45	11 59	22 59	22 52	1 17	11 4	0 17			
W19	19 29	0 41	4 42	15 2	1 48	25 30	2 13	16 3	1 35	5 48	1 26	16 49	1 56	16 13	0 43	20 16	0 25	8 45	11 59	22 59	22 53	1 15	11 7	0 17			
T 20	19 43	5n20	5 5	14 37	2 0	25 27	2 14	15 48	1 33	5 47	1 26	16 50	1 56	16 13	0 43	20 17	0 25	8 46	11 58	23 0	22 53	1 12	11 9	0 16			
F 21	19 56	11 5	5 8	14 17	2 11	25 23	2 15	15 33	1 32	5 46	1 26	16 52	1 56	16 12	0 43	20 17	0 25	8 46	11 58	23 0	22 53	1 9	11 12	0 16			
S 22	20 9	16 14	4 51	14 2	2 19	25 19	2 16	15 18	1 30	5 45	1 25	16 54	1 56	16 12	0 43	20 17	0 25	8 47	11 58	23 1	22 54	1 6	11 14	0 16			
S 23	20 22	20 25	4 17	13 53	2 26	25 14	2 17	15 3	1 28	5 44	1 25	16 56	1 56	16 12	0 43	20 17	0 25	8 47	11 58	23 1	22 54	1 3	11 17	0 15			
M24	20 34	23 20	3 27	13 48	2 30	25 8	2 17	14 47	1 27	5 43	1 25	16 58	1 56	16 11	0 42	20 17	0 25	8 48	11 58	23 2	22 54	1 0	11 20	0 15			
T 25	20 46	24 47	2 26	13 49	2 33	25 1	2 18	14 32	1 25	5 42	1 24	16 59	1 56	16 11	0 42	20 17	0 25	8 48	11 58	23 2	22 54	0 57	11 22	0 15			
W26	20 58	24 43	1 18	13 53	2 35	24 54	2 19	14 16	1 23	5 41	1 24	17 1	1 56	16 10	0 42	20 17	0 25	8 49	11 58	23 2	22 55	0 54	11 24	0 15			
T 27	21 9	23 15	0 7	14 2	2 35	24 46	2 19	14 0	1 22	5 40	1 24	17 3	1 56	16 10	0 42	20 18	0 25	8 49	11 58	23 3	22 55	0 51	11 27	0 14			
F 28	21 20	20 37	1s 2	14 13	2 33	24 37	2 20	13 44	1 20	5 38	1 24	17 4	1 56	16 9	0 42	20 18	0 25	8 50	11 58	23 2	22 55	0 48	11 29	0 14			
S 29	21 30	17 5	2 7	14 28	2 31	24 28	2 20	13 28	1 19	5 37	1 23	17 6	1 56	16 9	0 42	20 18	0 25	8 50	11 58	23 2	22 56	0 45	11 32	0 14			
S 30	21s40	12n54	3s 4	14s45	2n28	24s18	2s20	13s12	1s17	5s35	1s23	17s 8	1n56	16s 8	0s42	20n18	0s25	8s51	11n58	23s 2	22s56	0n42	11s34	0s13			

ASTRODIENST EPHEMERIS for the year 1749
geocentric

DECEMBER 1749

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	4 39 50	9♂ 0'39	28♂46	18♂34	21♂10	29♂13	19♂11	24♂58	18♂ 0	27♂23	2♂ 0	10♂46	11♂56	17♂26	29♂46	M 1
T 2	4 43 47	10° 1'33	10♂39	19°35	22°21	29°55	19°14	25° 5	18° 2	27♂22	2° 2	10°R47	11°53	17°33	29°53	T 2
W 3	4 47 43	11° 2'29	22°30	20°39	23°32	0♂37	19°18	25°12	18° 4	27°21	2° 5	10°46	11°50	17°40	0♂ 1	W 3
T 4	4 51 40	12° 3'27	4♂25	21°47	24°43	1°20	19°22	25°19	18° 5	27°20	2° 7	10°44	11°47	17°47	0° 8	T 4
F 5	4 55 36	13° 4'25	16°28	22°58	25°53	2° 2	19°26	25°26	18° 7	27°19	2° 9	10°41	11°44	17°53	0°15	F 5
S 6	4 59 33	14° 5'25	28°43	24°12	27° 4	2°44	19°31	25°33	18° 9	27°18	2°12	10°36	11°40	18° 0	0°22	S 6
S 7	5 3 29	15° 6'25	11♂12	25°28	28°14	3°26	19°35	25°40	18°11	27°17	2°14	10°32	11°37	18° 7	0°30	S 7
M 8	5 7 26	16° 7'27	23°58	26°47	29°25	4° 8	19°40	25°46	18°13	27°16	2°16	10°28	11°34	18°13	0°37	M 8
T 9	5 11 22	17° 8'30	7♂ 1	28° 7	0♂35	4°51	19°45	25°53	18°15	27°14	2°19	10°24	11°31	18°20	0°44	T 9
W10	5 15 19	18° 9'34	20°21	29°28	1°45	5°33	19°50	26° 0	18°17	27°13	2°21	10°22	11°28	18°27	0°51	W10
T 11	5 19 16	19°10'38	3♂56	0♂51	2°55	6°16	19°55	26° 7	18°19	27°12	2°23	10°D21	11°25	18°34	0°58	T 11
F 12	5 23 12	20°11'43	17°43	2°15	4° 5	6°58	20° 1	26°14	18°22	27°11	2°25	10°21	11°21	18°40	1° 4	F 12
S 13	5 27 9	21°12'49	1♂41	3°40	5°15	7°40	20° 7	26°20	18°24	27° 9	2°28	10°22	11°18	18°47	1°11	S 13
S 14	5 31 5	22°13'55	15°45	5° 6	6°24	8°23	20°12	26°27	18°26	27° 8	2°30	10°23	11°15	18°54	1°18	S 14
M15	5 35 2	23°15'01	29°54	6°33	7°34	9° 5	20°18	26°34	18°28	27° 7	2°32	10°24	11°12	19° 0	1°24	M15
T 16	5 38 58	24°16'07	14♂ 5	8° 0	8°43	9°48	20°25	26°40	18°31	27° 5	2°34	10°25	11° 9	19° 7	1°31	T 16
W17	5 42 55	25°17'14	28°16	9°28	9°52	10°30	20°31	26°47	18°33	27° 4	2°37	10°R25	11° 5	19°14	1°37	W17
T 18	5 46 51	26°18'21	12♂25	10°57	11° 2	11°13	20°38	26°54	18°36	27° 3	2°39	10°25	11° 2	19°21	1°44	T 18
F 19	5 50 48	27°19'28	26°30	12°26	12°11	11°55	20°44	27° 0	18°38	27° 1	2°41	10°24	10°59	19°27	1°50	F 19
S 20	5 54 45	28°20'35	10♂28	13°55	13°19	12°38	20°51	27° 7	18°40	27° 0	2°43	10°22	10°56	19°34	1°56	S 20
S 21	5 58 41	29°21'43	24°17	15°25	14°28	13°20	20°58	27°13	18°43	26°58	2°46	10°21	10°53	19°41	2° 2	S 21
M22	6 2 38	0♂22'51	7♂55	16°55	15°36	14° 3	21° 5	27°19	18°46	26°57	2°48	10°19	10°50	19°47	2° 8	M22
T 23	6 6 34	1°23'58	21°19	18°26	16°45	14°46	21°13	27°26	18°48	26°55	2°50	10°18	10°46	19°54	2°14	T 23
W24	6 10 31	2°25'07	4♂29	19°56	17°53	15°28	21°20	27°32	18°51	26°54	2°52	10°D18	10°43	20° 1	2°20	W24
T 25	6 14 27	3°26'15	17°22	21°28	19° 1	16°11	21°28	27°38	18°53	26°52	2°54	10°18	10°40	20° 8	2°26	T 25
F 26	6 18 24	4°27'24	29°59	22°59	20° 8	16°53	21°36	27°44	18°56	26°51	2°56	10°18	10°37	20°14	2°32	F 26
S 27	6 22 21	5°28'32	12♂22	24°31	21°16	17°36	21°44	27°51	18°59	26°49	2°58	10°19	10°34	20°21	2°37	S 27
S 28	6 26 17	6°29'41	24°32	26° 3	22°23	18°19	21°52	27°57	19° 2	26°48	3° 0	10°19	10°31	20°28	2°43	S 28
M29	6 30 14	7°30'51	6♂32	27°36	23°30	19° 1	22° 0	28° 3	19° 4	26°46	3° 2	10°20	10°27	20°34	2°49	M29
T 30	6 34 10	8°32'00	18°26	29° 9	24°37	19°44	22° 9	28° 9	19° 7	26°45	3° 4	10°20	10°24	20°41	2°54	T 30
W31	6 38 7	9♂33'10	0♂17	0♂42	25°44	20°26	22°17	28♂15	19°10	26♂43	3♂ 6	10♂20	10♂21	20♂48	2♂59	W31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
M 1	21s50	8n17	3s53	15s 4	2n24	24s 7	2s20	12s56	1s15	5s34	1s23	17s 9	1n56	16s 8	0s42	20n18
T 2	21 59	3 24	4 31	15 25	2 19	23 55	2 20	12 40	1 14	5 32	1 23	17 11	1 56	16 7	0 42	20 18
W 3	22 8	1s34	4 57	15 47	2 14	23 43	2 20	12 24	1 12	5 30	1 22	17 13	1 56	16 6	0 42	20 19
T 4	22 16	6 31	5 11	16 10	2 8	23 30	2 20	12 7	1 11	5 28	1 22	17 14	1 56	16 6	0 42	20 19
F 5	22 24	11 16	5 12	16 34	2 2	23 17	2 20	11 51	1 9	5 27	1 22	17 16	1 56	16 5	0 42	20 19
S 6	22 31	15 40	4 58	16 59	1 55	23 3	2 19	11 34	1 8	5 25	1 22	17 18	1 56	16 5	0 42	20 19
S 7	22 38	19 29	4 30	17 24	1 49	22 48	2 19	11 17	1 6	5 23	1 21	17 19	1 56	16 4	0 42	20 20
M 8	22 45	22 28	3 48	17 49	1 42	22 33	2 18	11 0	1 5	5 20	1 21	17 21	1 56	16 3	0 42	20 20
T 9	22 51	24 21	2 53	18 14	1 34	22 17	2 17	10 44	1 3	5 18	1 21	17 22	1 56	16 3	0 42	20 20
W10	22 57	24 55	1 48	18 39	1 27	22 1	2 16	10 27	1 2	5 16	1 21	17 24	1 56	16 2	0 42	20 20
T 11	23 2	24 0	0 35	19 4	1 20	21 44	2 15	10 10	1 0	5 14	1 20	17 26	1 56	16 1	0 42	20 21
F 12	23 7	21 38	0n41	19 28	1 12	21 26	2 14	9 52	0 59	5 11	1 20	17 27	1 56	16 1	0 42	20 21
S 13	23 11	17 57	1 55	19 52	1 4	21 8	2 13	9 35	0 57	5 9	1 20	17 29	1 56	16 0	0 42	20 21
S 14	23 15	13 13	3 3	20 15	0 57	20 49	2 11	9 18	0 56	5 6	1 20	17 30	1 56	15 59	0 42	20 21
M15	23 18	7 46	4 1	20 38	0 49	20 30	2 10	9 1	0 54	5 4	1 19	17 32	1 56	15 58	0 42	20 22
T 16	23 21	1 54	4 43	20 59	0 41	20 10	2 8	8 43	0 53	5 1	1 19	17 33	1 56	15 58	0 42	20 22
W17	23 23	4n 2	5 9	21 21	0 34	19 50	2 7	8 26	0 52	4 58	1 19	17 35	1 56	15 57	0 42	20 22
T 18	23 25	9 45	5 16	21 41	0 26	19 29	2 5	8 9	0 50	4 55	1 19	17 36	1 56	15 56	0 42	20 22
F 19	23 27	14 57	5 4	22 0	0 19	19 8	2 3	7 51	0 49	4 53	1 18	17 37	1 57	15 55	0 42	20 23
S 20	23 28	19 18	4 34	22 19	0 11	18 46	2 1	7 34	0 47	4 50	1 18	17 39	1 57	15 55	0 42	20 23
S 21	23 28	22 33	3 48	22 36	0 4	18 24	1 58	7 16	0 46	4 47	1 18	17 40	1 57	15 54	0 42	20 23
M22	23 28	24 27	2 50	22 53	0s 3	18 2	1 56	6 58	0 45	4 44	1 18	17 42	1 57	15 53	0 42	20 23
T 23	23 28	24 54	1 43	23 8	0 10	17 39	1 54	6 41	0 43	4 40	1 17	17 43	1 57	15 52	0 42	20 24
W24	23 27	23 56	0 32	23 23	0 17	17 15	1 51	6 23	0 42	4 37	1 17	17 44	1 57	15 51	0 42	20 24
T 25	23 26	21 42	0s39	23 36	0 24	16 51	1 48	6 5	0 41	4 34	1 17	17 46	1 57	15 50	0 42	20 24
F 26	23 24	18 26	1 47	23 48	0 31	16 27	1 45	5 47	0 39	4 31	1 17	17 47	1 57	15 50	0 42	20 25
S 27	23 22	14 25	2 49	23 59	0 37	16 3	1 42	5 29	0 38	4 27	1 17	17 48	1 57	15 49	0 42	20 25
S 28	23 19	9 53	3 42	24 9	0 44	15 38	1 39	5 12	0 37	4 24	1 16	17 50	1 57	15 48	0 42	20 25
M29	23 16	5 2	4 24	24 17	0 50	15 13	1 36	4 54	0 36	4 21	1 16	17 51	1 57	15 47	0 42	20 26
T 30	23 12	0 4	4 54	24 24	0 56	14 47	1 33	4 36	0 34	4 17	1 16	17 52	1 57	15 46	0 42	20 26
W31	23s 8	4s53	5s12	24s30	1s 2	14s21	1s29	4s18	0s33	4s13	1s16	17s53	1n57	15s45	0s42	20n26

Julian Day Number = 2360203.5, Delta T = 15.98 sec
Ecliptic obliquity = 23°28'20", Nutation = 0°00'16", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 21°14'56", Lahiri = 20°21'56"Greg. Calendar