



Astrodienst Ephemeris Tables for the year 1711

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 1711
geocentric

JANUARY 1711

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	6 39 52	10 ³ 2'26	24 ⁸ 27	7 ³ 3	3 ³ 33	29 ^R 8	18 ² 38	28 ^R 15	1 ^R 56	27 ^R 27	0 ^R 18	13 ^R 20	14 ³ 38	23 ^Y 56	1 ³ 30	T 1
F 2	6 43 49	11 ⁰ 3'35	6 ^{II} 45	8 ⁰ 39	4 ⁴ 49	29 ^Ω 6	18 ⁰ 51	28 ^Ω 10	1 ^{III} 55	27 ^Y 27	0 ^{III} 17	13 ³ 15	14 ⁰ 34	24 ⁰ 3	1 ³ 35	F 2
S 3	6 47 45	12 ⁰ 4'44	19 ⁰ 16	10 ⁰ 16	6 ⁰ 4	29 ⁰ 4	19 ⁰ 4	28 ⁰ 6	1 ⁵ 54	27 ² 27	0 ⁰ 16	13 ⁰ 9	14 ⁰ 31	24 ⁰ 10	1 ⁰ 40	S 3
S 4	6 51 42	13 ⁰ 5'53	2 ^Ω 3	11 ⁰ 53	7 ² 20	29 ⁰ 1	19 ⁰ 17	28 ⁰ 1	1 ⁵ 52	27 ² 27	0 ⁰ 16	13 ⁰ 4	14 ⁰ 28	24 ⁰ 17	1 ⁰ 45	S 4
M 5	6 55 38	14 ⁰ 7'01	15 ⁰ 5	13 ⁰ 30	8 ³ 35	28 ⁵ 7	19 ⁰ 30	27 ⁵ 56	1 ⁵ 51	27 ² 27	0 ⁰ 15	13 ⁰ 0	14 ⁰ 25	24 ⁰ 23	1 ⁰ 49	M 5
T 6	6 59 35	15 ⁰ 8'10	28 ⁰ 21	15 ⁰ 8	9 ⁵ 51	28 ⁵ 2	19 ⁰ 43	27 ⁵ 52	1 ⁴ 49	27 ² 27	0 ⁰ 14	12 ⁵ 57	14 ⁰ 22	24 ⁰ 30	1 ⁵ 54	T 6
W 7	7 3 31	16 ⁰ 9'18	11 ^Ω 50	16 ⁰ 47	11 ⁰ 6	28 ⁴ 7	19 ⁰ 56	27 ⁴ 47	1 ⁴ 48	27 ² 27	0 ⁰ 13	12 ⁰ D57	14 ⁰ 19	24 ⁰ 37	1 ⁵ 59	W 7
T 8	7 7 28	17 ⁰ 10'25	25 ⁰ 31	18 ⁰ 25	12 ² 22	28 ⁴ 1	20 ⁰ 9	27 ⁴ 42	1 ⁴ 46	27 ² D27	0 ⁰ 12	12 ⁵ 57	14 ⁰ 15	24 ⁰ 43	2 ⁰ 4	T 8
F 9	7 11 24	18 ⁰ 11'33	9 ^{III} 21	20 ⁰ 5	13 ³ 37	28 ³ 4	20 ² 22	27 ³ 37	1 ⁴ 45	27 ² 27	0 ⁰ 11	12 ⁵ 58	14 ⁰ 12	24 ⁰ 50	2 ⁰ 9	F 9
S 10	7 15 21	19 ⁰ 12'40	23 ⁰ 18	21 ⁰ 44	14 ⁴ 52	28 ² 26	20 ² 34	27 ² 32	1 ⁴ 43	27 ² 27	0 ⁰ 10	13 ⁰ 0	14 ⁰ 9	24 ⁰ 57	2 ⁰ 14	S 10
S 11	7 19 18	20 ⁰ 13'47	7 ^Δ 22	23 ⁰ 24	16 ⁰ 8	28 ¹ 17	20 ² 47	27 ² 27	1 ⁴ 41	27 ² 27	0 ⁰ 8	13 ⁰ 1	14 ⁰ 6	25 ⁰ 4	2 ⁰ 18	S 11
M 12	7 23 14	21 ⁰ 14'54	21 ⁰ 31	25 ⁰ 5	17 ² 23	28 ⁰ 8	21 ⁰ 0	27 ² 23	1 ³ 39	27 ² 27	0 ⁰ 7	13 ⁰ R 2	14 ⁰ 3	25 ⁰ 10	2 ⁰ 23	M 12
T 13	7 27 11	22 ⁰ 16'01	5 ^{III} 43	26 ⁰ 46	18 ³ 39	27 ⁵ 7	21 ⁰ 13	27 ⁰ 18	1 ³ 38	27 ² 27	0 ⁰ 6	13 ⁰ 1	13 ⁵ 59	25 ⁰ 17	2 ⁰ 28	T 13
W 14	7 31 7	23 ⁰ 17'08	19 ⁵ 55	28 ⁰ 28	19 ⁵ 54	27 ⁴ 6	21 ² 25	27 ⁰ 13	1 ³ 36	27 ² 27	0 ⁰ 5	13 ⁰ 0	13 ⁵ 56	25 ⁰ 24	2 ⁰ 33	W 14
T 15	7 35 4	24 ⁰ 18'15	4 ^Δ 6	0 ^Δ 10	21 ⁰ 10	27 ³ 34	21 ³ 38	27 ⁰ 8	1 ³ 34	27 ² 27	0 ⁰ 4	12 ⁵ 57	13 ⁵ 53	25 ⁰ 30	2 ⁰ 38	T 15
F 16	7 39 0	25 ⁰ 19'21	18 ⁰ 11	1 ⁵ 52	22 ² 25	27 ² 22	21 ⁵ 0	27 ⁰ 3	1 ³ 32	27 ² 28	0 ⁰ 3	12 ⁵ 55	13 ⁵ 50	25 ⁰ 37	2 ⁰ 43	F 16
S 17	7 42 57	26 ⁰ 20'27	2 ³ 7	3 ³ 35	23 ⁴ 40	27 ⁰ 8	22 ⁰ 3	26 ⁵ 58	1 ³ 30	27 ² 28	0 ⁰ 2	12 ⁵ 52	13 ⁴ 47	25 ⁰ 44	2 ⁰ 48	S 17
S 18	7 46 53	27 ⁰ 21'32	15 ⁰ 51	5 ⁰ 18	24 ⁵ 56	26 ⁵ 54	22 ² 15	26 ⁵ 53	1 ² 28	27 ² 28	0 ⁰ 0	12 ⁵ 50	13 ⁴ 44	25 ⁰ 51	2 ⁰ 53	S 18
M 19	7 50 50	28 ⁰ 22'36	29 ⁰ 20	7 ⁰ 1	26 ⁶ 11	26 ⁶ 39	22 ² 27	26 ⁴ 48	1 ² 26	27 ² 29	29 ^Ω 59	12 ⁴ 49	13 ⁴ 40	25 ⁰ 57	2 ⁰ 58	M 19
T 20	7 54 47	29 ⁰ 23'40	12 ^Δ 31	8 ⁴ 44	27 ² 27	26 ² 23	22 ² 40	26 ⁴ 43	1 ² 24	27 ² 29	29 ⁵ 58	12 ⁰ D49	13 ³ 37	26 ⁰ 4	3 ⁰ 3	T 20
W 21	7 58 43	0 ^Δ 24'43	25 ² 25	10 ⁰ 28	28 ⁴ 42	26 ⁰ 7	22 ² 52	26 ³ 38	1 ² 22	27 ² 30	29 ⁵ 57	12 ⁴ 49	13 ³ 34	26 ⁰ 11	3 ⁰ 8	W 21
T 22	8 2 40	1 ² 25'45	8 ^Δ 1	12 ⁰ 11	29 ⁵ 58	25 ⁴ 49	23 ⁰ 4	26 ³ 33	1 ² 20	27 ² 30	29 ⁵ 55	12 ⁵ 50	13 ³ 31	26 ⁰ 17	3 ⁰ 13	T 22
F 23	8 6 36	2 ² 26'45	20 ⁰ 21	13 ⁵ 55	1 ^Δ 13	25 ³ 32	23 ⁰ 16	26 ² 28	1 ¹ 17	27 ² 30	29 ⁵ 54	12 ⁵ 51	13 ³ 28	26 ⁰ 24	3 ⁰ 18	F 23
S 24	8 10 33	3 ² 27'45	2 ^Y 29	15 ³ 38	2 ² 28	25 ¹ 33	23 ² 28	26 ² 23	1 ¹ 15	27 ² 31	29 ⁵ 53	12 ⁵ 52	13 ³ 25	26 ⁰ 31	3 ⁰ 23	S 24
S 25	8 14 29	4 ² 28'43	14 ² 27	17 ⁰ 20	3 ⁴ 44	24 ⁵ 54	23 ² 40	26 ¹ 19	1 ¹ 13	27 ² 32	29 ⁵ 51	12 ⁵ 53	13 ³ 21	26 ⁰ 38	3 ⁰ 28	S 25
M 26	8 18 26	5 ² 29'41	26 ⁰ 19	19 ⁰ 1	4 ⁵ 59	24 ⁵ 35	23 ² 52	26 ⁰ 14	1 ¹ 11	27 ² 32	29 ⁵ 50	12 ⁵ 53	13 ³ 18	26 ⁰ 44	3 ⁰ 33	M 26
T 27	8 22 22	6 ³ 30'37	8 ^Δ 12	20 ⁰ 42	6 ⁰ 14	24 ⁴ 14	24 ⁰ 3	26 ⁰ 9	1 ⁰ 9	27 ² 33	29 ⁴ 49	12 ⁵ R54	13 ³ 15	26 ⁰ 51	3 ⁰ 38	T 27
W 28	8 26 19	7 ³ 31'31	20 ⁰ 8	22 ⁰ 21	7 ³ 30	23 ⁵ 54	24 ⁰ 15	26 ⁰ 4	1 ⁰ 6	27 ² 34	29 ⁴ 47	12 ⁵ 53	13 ³ 12	26 ⁰ 58	3 ⁰ 43	W 28
T 29	8 30 16	8 ³ 32'25	2 ^{II} 14	23 ⁵ 58	8 ⁴ 45	23 ³ 32	24 ² 27	25 ⁵ 59	1 ⁰ 4	27 ² 34	29 ⁴ 46	12 ⁵ 53	13 ³ 9	27 ⁰ 4	3 ⁰ 48	T 29
F 30	8 34 12	9 ³ 33'17	14 ³ 33	25 ³ 33	10 ⁰ 0	23 ¹ 11	24 ² 38	25 ⁵ 54	1 ⁰ 1	27 ² 35	29 ⁴ 44	12 ⁵ 53	13 ³ 5	27 ⁰ 11	3 ⁰ 53	F 30
S 31	8 38 9	10 ³ 34'08	27 ^{II} 8	27 ^Δ 6	11 ^Δ 16	22 ^Ω 49	24 ^Δ 50	25 ^Δ 50	0 ^{III} 59	27 ^Y 36	29 ^Ω 43	12 ^Δ 52	13 ^Δ 2	27 ^Y 18	3 ^Δ 57	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	23s 6	23n51	5n 5	24s54	1s36	23s42	0s16	15n 8	3n34	22s33	0n26	20n47	0n15	11n32	0n47	8n55	1s47	22n35	12n 1	16s51	16s28	13n46	13s26	6n35	6 34
F 2	23 1	26 10	4 46	24 52	1 41	23 42	0 19	15 11	3 36	22 35	0 26	20 48	0 15	11 32	0 47	8 55	1 47	22 36	12 2	16 52	16 29	13 49	13 26	6 34	6 34
S 3	22 56	27 14	4 12	24 49	1 44	23 41	0 21	15 14	3 39	22 36	0 26	20 49	0 15	11 33	0 47	8 55	1 47	22 36	12 2	16 54	16 30	13 52	13 25	6 34	6 34
S 4	22 50	26 53	3 25	24 44	1 48	23 40	0 23	15 17	3 41	22 37	0 26	20 50	0 15	11 33	0 47	8 55	1 47	22 37	12 2	16 55	16 31	13 55	13 24	6 34	6 34
M 5	22 44	25 3	2 27	24 38	1 51	23 37	0 26	15 21	3 43	22 38	0 26	20 52	0 15	11 34	0 47	8 55	1 47	22 38	12 3	16 56	16 32	13 58	13 23	6 34	6 34
T 6	22 37	21 49	1 19	24 31	1 54	23 34	0 28	15 24	3 46	22 39	0 26	20 53	0 16	11 34	0 47	8 55	1 47	22 38	12 3	16 57	16 33	14 0	13 22	6 34	6 34
W 7	22 30	17 22	0 6	24 21	1 57	23 31	0 30	15 28	3 48	22 40	0 26	20 54	0 16	11 35	0 47	8 55	1 47	22 39	12 3	16 57	16 34	14 3	13 21	6 34	6 34
T 8	22 22	11 58	1s 9	24 11	1 59	23 26	0 32	15 33	3 50	22 41	0 26	20 55	0 16	11 36	0 47	8 55	1 47	22 40	12 4	16 57	16 35	14 6	13 20	6 33	6 33
F 9	22 14	5 55	2 20	23 58	2 1	23 21	0 34	15 37	3 52	22 42	0 26	20 56	0 16	11 36	0 47	8 55	1 47	22 40	12 4	16 57	16 36	14 9	13 19	6 33	6 33
S 10	22 6	0s28	3 24	23 45	2 3	23 15	0 37	15 42	3 55	22 43	0 26	20 57	0 16	11 37	0 47	8 55	1 47	22 41	12 4	16 56	16 37	14 11	13 18	6 33	6 33
S 11	21 57	6 51	4 16	23 29	2 4	23 9	0 39	15 47	3 57	22 44	0 26	20 58	0 16	11 38	0 47	8 55	1 47	22 42	12 5	16 56	16 38	14 14	13 17	6 33	6 33
M 12	21 48	12 56	4 53	23 12	2 5	23 1	0 41	15 53	3 59	22 45	0 25	20 59	0 16	11 38	0 47	8 55	1 47	22 43	12 5	16 56	16 38	14 17	13 16	6 33	6 33
T 13	21 38	18 21	5 12	22 53	2 6	22 53	0 43	15 58	4 1	22 46	0 25	21 0	0 16	11 39	0 47	8 55	1 47	22 43	12 5	16 56	16 39	14 20	13 15	6 33	6 33
W 14	21 28	22 46	5 13	22 33	2 6	22 45	0 45	16 4	4 3	22 47	0 25	21 1	0 16	11 40	0 47	8 55	1 47	22 44	12 6	16 57	16 40	14 22	13 14	6 33	6 33
T 15	21 17	25 49	4 54	22 11	2 5	22 35	0 47	16 10	4 5	22 48	0 25	21 2	0 17	11 40	0 47	8 56	1 47	22 45	12 6	16 57	16 41	14 25	13 13	6 33	6 33
F 16	21 6	27 14	4 17	21 48	2 4	22 25	0 49	16 16	4 7	22 48	0 25	21 3	0 17	11 41	0 47	8 56	1 47	22 45	12 6	16 58	16 42	14 28	13 12	6 33	6 33
S 17	20 55	26 54	3 26	21 23	2 3	22 14	0 51	16 23	4 9	22 49	0 25	21 4	0 17	11 42	0 47	8 56	1 47	22 46	12 6	16 59	16 43	14 31	13 11	6 33	6 33
S 18	20 43	24 55	2 24	20 56	2 1	22 3	0 53	16 30	4 11	22 50	0 25	21 5	0 17	11 42	0 47	8 56	1 46	22 47	12 7	16 59	16 44	14 33	13 10	6 33	6 33
M 19	20 31	21 32	1 14	20 28	1 59	21 51	0 55	16 37	4 13	22 51	0 25	21 6	0 17	11 43	0 47	8 56	1 46	22 47	12 7	16 59	16 45	14 36	13 9	6 32	6 32
T 20	20 19	17 6	0 2	19 58	1 56	21 38	0 57	16 44	4 15	22 51	0 25	21 8	0 17	11 44	0 47	8 56	1 46	22 48	12 7	17 0	16 46	14 39	13 8	6 32	6 32
W 21	20 6	11 59	1n 9	19 27	1 52	21 24	0 58	16 51	4 16	22 52	0 25	21 9	0 17	11 45	0 47	8 57	1 46	22 49	12 7	16 59	16 47	14 42	13 7	6 32	6 32
T 22	19 52	6 29	2 15	18 54	1 48	21 10	1 0	16 59	4 18	22 53	0 25	21 10	0 17	11 46	0 47	8 57	1 46	22 50	12 8	16 59	16 48	14 44	13 6	6 32	6 32
F 23	19 39	0 52	3 13	18 19	1 43	20 55	1 2	17 6	4 20	22 54	0 25	21 11	0 17	11 46	0 47	8 57	1 46	22 50	12 8	16 59	16 49	14 47	13 5	6 32	6 32
S 24	19 25	4n41	4 2	17 44	1 38	20 40	1 3	17 14	4 21	22 54	0 25	21 12	0 17	11 47	0 47	8 57	1 46	22 51	12 8	16 59	16 49	14 50	13 4	6 32	6 32
S 25	19 10	9 59	4 39	17 7	1 31	20 24	1 5	17 22	4 23	22 55	0 25	21 13	0 18	11 48	0 48	8 58	1 46	22 52	12 8	16 58	16 50	14 52	13 3	6 32	6 32
M 26	18 56	14 53	5 4	16 29	1 24	20 8	1 7	17 30	4 24	22 55	0 25	21 14	0 18	11 49	0 48	8 58	1 46	22 52	12 9	16 58	16 51	14 55	13 2	6 32	6 32
T 27	18 41	19 14	5 16	15 50	1 17	19 50	1 8	17 38	4 25	22 56	0 25	21 15	0 18	11 50	0 48	8 58	1 46	22 53	12 9	16 58	16 52	14 58	13 1	6 32	6 32
W 28	18 25	22 51	5 14	15 10	1 8	19 33	1 9	17 46	4 27	22 57	0 25	21 16	0 18	11 50	0 48	8 58	1 46	22 54	12 9	16 58	16 53	15 1	12 59	6 32	6 32
T 29	18 9	25 32	4 59	14 29	0 59	19 14	1 11	17 54	4 28	22 57	0 25	21 17	0 18	11 51	0 48	8 59	1 46	22 54	12 9	16 58	16 54	15 3	12 58	6 32	6 32
F 30	17 53	27 3	4 30	13 47	0 49	18 16	1 12	18 2	4 29	22 58	0 25	21 18	0 18	11 52	0 48	8 59	1 46	22 55	12 10	16 59	16 55	15 6	12 57	6 32	6 32
S 31	17s37	27n14	3n47	13s 6	0s38	18s36	1s13	18n11	4n30	22s58	0n25	21n19	0n18	11n53	0n48	8n59	1s46	22n56	12n10	16s59	16s56	15n 9	12s56	6n32	6n32

ASTRODIENST EPHEMERIS for the year 1711

geocentric

FEBRUARY 1711

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	8 42 5	11 ³⁴ 57	10 ³⁵ 3	28 ³⁵ 35	12 ³³ 31	22°R26	25 ³¹ 1	25°R45	0°R57	27°Y37	29°R42	12°R52	12 ³⁵ 59	27°Y25	4 ³³ 2	S 1
M 2	8 46 2	12°35'45	23°19	0 ³¹ 0	13°46	22°R 3	25°12	25°R40	0°R54	27°37	29°R40	12°D52	12°56	27°31	4° 7	M 2
T 3	8 49 58	13°36'32	6 ³² 54	1°21	15° 1	21°40	25°24	25°36	0°52	27°38	29°39	12°R52	12°53	27°38	4°12	T 3
W 4	8 53 55	14°37'18	20°49	2°37	16°17	21°17	25°35	25°31	0°49	27°39	29°37	12°R52	12°50	27°45	4°17	W 4
T 5	8 57 51	15°38'02	4 ³² 58	3°47	17°32	20°53	25°46	25°27	0°47	27°40	29°36	12°52	12°46	27°52	4°22	T 5
F 6	9 1 48	16°38'45	19°17	4°50	18°47	20°30	25°57	25°22	0°44	27°41	29°34	12°51	12°43	27°58	4°27	F 6
S 7	9 5 45	17°39'26	3 ³² 43	5°45	20° 2	20° 6	26° 8	25°18	0°42	27°42	29°33	12°51	12°40	28° 5	4°32	S 7
S 8	9 9 41	18°40'07	18° 8	6°33	21°18	19°42	26°18	25°14	0°39	27°43	29°31	12°50	12°37	28°12	4°37	S 8
M 9	9 13 38	19°40'46	2 ³² 30	7°12	22°33	19°18	26°29	25° 9	0°37	27°44	29°30	12°50	12°34	28°18	4°41	M 9
T 10	9 17 34	20°41'25	16°45	7°41	23°48	18°54	26°40	25° 5	0°34	27°45	29°28	12°D50	12°31	28°25	4°46	T 10
W11	9 21 31	21°42'02	0 ³² 50	8° 1	25° 3	18°30	26°50	25° 1	0°32	27°46	29°27	12°50	12°27	28°32	4°51	W11
T 12	9 25 27	22°42'38	14°44	8°R10	26°18	18° 6	27° 0	24°57	0°29	27°48	29°25	12°50	12°24	28°39	4°56	T 12
F 13	9 29 24	23°43'13	28°25	8° 9	27°33	17°43	27°11	24°53	0°26	27°49	29°24	12°51	12°21	28°45	5° 1	F 13
S 14	9 33 20	24°43'47	11 ³⁵ 54	7°57	28°48	17°19	27°21	24°49	0°24	27°50	29°22	12°52	12°18	28°52	5° 5	S 14
S 15	9 37 17	25°44'19	25°10	7°35	0 ³¹ 4	16°56	27°31	24°45	0°21	27°51	29°21	12°53	12°15	28°59	5°10	S 15
M16	9 41 14	26°44'50	8 ³³ 13	7° 4	1°19	16°33	27°41	24°41	0°18	27°52	29°19	12°R54	12°11	29° 5	5°15	M16
T 17	9 45 10	27°45'20	21° 3	6°24	2°34	16°10	27°51	24°38	0°16	27°54	29°18	12°54	12° 8	29°12	5°19	T 17
W18	9 49 7	28°45'47	3 ³⁴ 41	5°36	3°49	15°48	28° 1	24°34	0°13	27°55	29°16	12°53	12° 5	29°19	5°24	W18
T 19	9 53 3	29°46'13	16° 7	4°42	5° 4	15°26	28°10	24°30	0°11	27°56	29°15	12°51	12° 2	29°26	5°29	T 19
F 20	9 57 0	0 ³⁴ 46'37	28°21	3°42	6°19	15° 5	28°20	24°27	0° 8	27°58	29°13	12°48	11°59	29°32	5°33	F 20
S 21	10 0 56	1°47'00	10°Y25	2°39	7°34	14°44	28°29	24°23	0° 5	27°59	29°12	12°45	11°56	29°39	5°38	S 21
S 22	10 4 53	2°47'20	22°22	1°35	8°49	14°24	28°39	24°20	0° 3	28° 1	29°10	12°42	11°52	29°46	5°42	S 22
M23	10 8 49	3°47'39	4 ³⁵ 15	0°30	10° 4	14° 4	28°48	24°17	0° 0	28° 2	29° 9	12°39	11°49	29°52	5°47	M23
T 24	10 12 46	4°47'56	16° 7	29°26	11°19	13°45	28°57	24°14	29°57	28° 4	29° 7	12°37	11°46	29°59	5°51	T 24
W25	10 16 43	5°48'10	28° 2	28°25	12°34	13°26	29° 6	24°11	29°55	28° 5	29° 6	12°35	11°43	0 ³⁶ 6	5°56	W25
T 26	10 20 39	6°48'23	10 ³⁶ 5	27°29	13°49	13° 8	29°15	24° 8	29°52	28° 7	29° 4	12°D35	11°40	0°13	6° 0	T 26
F 27	10 24 36	7°48'34	22°21	26°37	15° 4	12°51	29°23	24° 5	29°50	28° 8	29° 3	12°36	11°37	0°19	6° 5	F 27
S 28	10 28 32	8 ³⁸ 48'42	4 ³⁶ 54	25°50	16°Y19	12°R34	29°Y32	24°25	29°R47	28°Y10	29°R 1	12°R37	11°R33	0 ³⁸ 26	6° 9	S 28

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17s20	25n57	2n52	12s24	0s26	18s16	1s15	18n19	4n30	22s59	0n24	21n20	0n18	11n54	0n48	9n 0	1s46
M 2	17 3	23 13	1 46	11 42	0 14	17 56	1 16	18 27	4 31	22 59	0 24	21 21	0 18	11 55	0 48	9 0	1 46
T 3	16 46	19 6	0 33	11 1	0 1	17 35	1 17	18 35	4 32	23 0	0 24	21 22	0 18	11 56	0 48	9 0	1 46
W 4	16 28	13 53	0s44	10 21	0n13	17 13	1 18	18 43	4 32	23 0	0 24	21 23	0 19	11 57	0 48	9 1	1 45
T 5	16 11	7 51	2 0	9 43	0 28	16 52	1 19	18 51	4 33	23 0	0 24	21 23	0 19	11 57	0 48	9 1	1 45
F 6	15 52	1 21	3 9	9 6	0 43	16 29	1 20	18 59	4 33	23 1	0 24	21 24	0 19	11 58	0 48	9 2	1 45
S 7	15 34	5s14	4 6	8 31	0 58	16 6	1 21	19 7	4 33	23 1	0 24	21 25	0 19	11 59	0 48	9 2	1 45
S 8	15 15	11 33	4 48	7 58	1 14	15 43	1 22	19 15	4 33	23 1	0 24	21 26	0 19	12 0	0 48	9 2	1 45
M 9	14 56	17 14	5 12	7 29	1 31	15 19	1 22	19 23	4 33	23 2	0 24	21 27	0 19	12 1	0 48	9 3	1 45
T 10	14 37	21 55	5 16	7 3	1 47	14 55	1 23	19 30	4 33	23 2	0 24	21 28	0 19	12 2	0 48	9 3	1 45
W11	14 18	25 16	5 1	6 41	2 3	14 30	1 24	19 37	4 33	23 2	0 24	21 29	0 19	12 3	0 48	9 4	1 45
T 12	13 58	27 4	4 29	6 23	2 19	14 6	1 24	19 45	4 32	23 3	0 24	21 30	0 19	12 4	0 48	9 4	1 45
F 13	13 38	27 10	3 42	6 9	2 34	13 40	1 25	19 52	4 32	23 3	0 24	21 30	0 19	12 5	0 48	9 5	1 45
S 14	13 18	25 39	2 43	6 0	2 48	13 14	1 25	19 58	4 31	23 3	0 24	21 31	0 19	12 6	0 48	9 5	1 45
S 15	12 58	22 43	1 37	5 56	3 1	12 48	1 26	20 5	4 31	23 3	0 24	21 32	0 20	12 7	0 48	9 6	1 45
M16	12 37	18 39	0 26	5 56	3 13	12 22	1 26	20 11	4 30	23 4	0 24	21 33	0 20	12 8	0 48	9 6	1 45
T 17	12 16	13 48	0n45	6 2	3 24	11 55	1 26	20 17	4 29	23 4	0 24	21 33	0 20	12 9	0 48	9 7	1 45
W18	11 55	8 26	1 52	6 11	3 32	11 28	1 27	20 23	4 28	23 4	0 24	21 34	0 20	12 10	0 48	9 7	1 45
T 19	11 34	2 50	2 53	6 25	3 38	11 1	1 27	20 29	4 27	23 4	0 24	21 35	0 20	12 10	0 48	9 8	1 45
F 20	11 13	2n47	3 45	6 43	3 42	10 33	1 27	20 34	4 26	23 4	0 24	21 36	0 20	12 11	0 48	9 8	1 45
S 21	10 51	8 13	4 26	7 3	3 44	10 5	1 27	20 39	4 24	23 5	0 24	21 36	0 20	12 12	0 48	9 9	1 45
S 22	10 30	13 17	4 55	7 26	3 44	9 37	1 27	20 44	4 23	23 5	0 24	21 37	0 20	12 13	0 48	9 9	1 45
M23	10 8	17 50	5 11	7 52	3 41	9 9	1 27	20 48	4 22	23 5	0 24	21 38	0 20	12 14	0 48	9 10	1 44
T 24	9 46	21 41	5 14	8 18	3 37	8 40	1 26	20 53	4 20	23 5	0 24	21 38	0 20	12 15	0 48	9 11	1 44
W25	9 24	24 40	5 3	8 45	3 30	8 11	1 26	20 57	4 19	23 5	0 23	21 39	0 20	12 16	0 48	9 11	1 44
T 26	9 2	26 36	4 39	9 12	3 22	7 42	1 26	21 0	4 17	23 5	0 23	21 39	0 20	12 17	0 48	9 12	1 44
F 27	8 39	27 17	4 2	9 39	3 12	7 12	1 25	21 4	4 15	23 5	0 23	21 40	0 21	12 18	0 48	9 12	1 44
S 28	8s17	26n36	3n13	10s 5	3n 1	6s43	1s25	21n 7	4n13	23s 5	0n23	21n41	0n21	12n19	0n48	9n13	1s44

Julian Day Number = 2346020.5, Delta T = 11.35 sec
 Ecliptic obliquity = 23°28'43, Nutation = 0°00'14, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°42'26, Lahiri = 19°49'26Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1711

geocentric

MARCH 1711

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	10 32 29	9 ^h 48'49"	17 ^h 54'48"	25°R10	17 ^h 33'33"	12°R18	29 ^h 47'40"	23°R59	29°R44	28 ^h 12'12"	29°R 0	12 ^h 39'39"	11 ^h 30'30"	0 ^h 33'33"	6 ^h 13'13"	S 1
M 2	10 36 25	10°48'53"	1 ^h 0'6"	24 ^h 37'37"	18°48'	12 ^h 0'3"	29°49'	23 ^h 57'	29 ^h 0'42"	28°13'	28 ^h 0'58"	12°40'	11°27'	0°40'	6°18'	M 2
T 3	10 40 22	11°48'55"	14°51'	24°10'	20°3'	11°48'	29°57'	23°54'	29°39'	28°15'	28°57'	12°R41	11°24'	0°46'	6°22'	T 3
W 4	10 44 18	12°48'55"	29° 0'	23°50'	21°18'	11°35'	0 ^h 5'5"	23°52'	29°37'	28°17'	28°55'	12°40'	11°21'	0°53'	6°26'	W 4
T 5	10 48 15	13°48'53"	13 ^h 31'	23°37'	22°33'	11°22'	0°13'	23°49'	29°34'	28°18'	28°54'	12°37'	11°17'	1° 0'	6°30'	T 5
F 6	10 52 12	14°48'49"	28°17'	23°31'	23°47'	11° 9'	0°21'	23°47'	29°32'	28°20'	28°52'	12°33'	11°14'	1° 6'	6°35'	F 6
S 7	10 56 8	15°48'44"	13 ^h 11'	23°D31	25° 2'	10°58'	0°28'	23°45'	29°29'	28°22'	28°51'	12°29'	11°11'	1°13'	6°39'	S 7
S 8	11 0 5	16°48'36"	28° 5'	23°37'	26°17'	10°47'	0°36'	23°43'	29°27'	28°23'	28°49'	12°24'	11° 8'	1°20'	6°43'	S 8
M 9	11 4 1	17°48'27"	12 ^h 50'	23°49'	27°32'	10°37'	0°43'	23°41'	29°24'	28°25'	28°48'	12°19'	11° 5'	1°27'	6°47'	M 9
T 10	11 7 58	18°48'16"	27°20'	24° 6'	28°46'	10°28'	0°51'	23°39'	29°22'	28°27'	28°46'	12°16'	11° 2'	1°33'	6°51'	T 10
W 11	11 11 54	19°48'04"	11 ^h 31'	24°29'	0°19'	10°19'	0°58'	23°38'	29°19'	28°29'	28°45'	12°14'	10°58'	1°40'	6°55'	W 11
T 12	11 15 51	20°47'50"	25°22'	24°56'	1°15'	10°12'	1° 5'	23°36'	29°17'	28°31'	28°44'	12°D14	10°55'	1°47'	6°59'	T 12
F 13	11 19 47	21°47'34"	8 ^h 52'	25°28'	2°30'	10° 5'	1°12'	23°35'	29°15'	28°33'	28°42'	12°15'	10°52'	1°53'	7° 3'	F 13
S 14	11 23 44	22°47'17"	22° 4'	26° 5'	3°45'	9°59'	1°18'	23°33'	29°12'	28°35'	28°41'	12°16'	10°49'	2° 0'	7° 6'	S 14
S 15	11 27 41	23°46'57"	5 ^h 0'	26°45'	4°59'	9°54'	1°25'	23°32'	29°10'	28°37'	28°40'	12°17'	10°46'	2° 7'	7°10'	S 15
M 16	11 31 37	24°46'36"	17°43'	27°29'	6°14'	9°49'	1°31'	23°31'	29° 8'	28°38'	28°38'	12°R17	10°42'	2°14'	7°14'	M 16
T 17	11 35 34	25°46'13"	0 ^h 13'	28°17'	7°28'	9°46'	1°37'	23°30'	29° 5'	28°40'	28°37'	12°16'	10°39'	2°20'	7°18'	T 17
W 18	11 39 30	26°45'48"	12°34'	29° 8'	8°43'	9°43'	1°43'	23°29'	29° 3'	28°42'	28°36'	12°12'	10°36'	2°27'	7°21'	W 18
T 19	11 43 27	27°45'21"	24°46'	0 ^h 3'	9°57'	9°40'	1°49'	23°28'	29° 1'	28°44'	28°34'	12° 6'	10°33'	2°34'	7°25'	T 19
F 20	11 47 23	28°44'52"	6°15'	1° 0'	11°12'	9°39'	1°55'	23°27'	28°59'	28°46'	28°33'	11°58'	10°30'	2°41'	7°28'	F 20
S 21	11 51 20	29°44'21"	18°50'	2° 0'	12°26'	9°D38	2° 1'	23°27'	28°57'	28°48'	28°32'	11°49'	10°27'	2°47'	7°32'	S 21
S 22	11 55 16	0°14'34"	0 ^h 44'	3° 2'	13°40'	9°38'	2° 6'	23°26'	28°54'	28°50'	28°30'	11°39'	10°23'	2°54'	7°35'	S 22
M 23	11 59 13	1°43'12"	12°36'	4° 8'	14°55'	9°39'	2°11'	23°26'	28°52'	28°52'	28°29'	11°30'	10°20'	3° 1'	7°39'	M 23
T 24	12 3 10	2°42'35"	24°27'	5°15'	16° 9'	9°41'	2°16'	23°26'	28°50'	28°55'	28°28'	11°22'	10°17'	3° 7'	7°42'	T 24
W 25	12 7 6	3°41'55"	6 ^h 22'	6°25'	17°23'	9°43'	2°21'	23°25'	28°48'	28°57'	28°27'	11°16'	10°14'	3°14'	7°45'	W 25
T 26	12 11 3	4°41'13"	18°23'	7°37'	18°38'	9°46'	2°26'	23°D25	28°46'	28°59'	28°26'	11°12'	10°11'	3°21'	7°49'	T 26
F 27	12 14 59	5°40'29"	0 ^h 35'	8°51'	19°52'	9°50'	2°31'	23°25'	28°44'	29° 1'	28°24'	11°D11	10° 8'	3°28'	7°52'	F 27
S 28	12 18 56	6°39'42"	13° 3'	10° 7'	21° 6'	9°54'	2°35'	23°26'	28°42'	29° 3'	28°23'	11°11'	10° 4'	3°34'	7°55'	S 28
S 29	12 22 52	7°38'53"	25°52'	11°25'	22°20'	9°59'	2°39'	23°26'	28°41'	29° 5'	28°22'	11°12'	10° 1'	3°41'	7°58'	S 29
M 30	12 26 49	8°38'02"	9 ^h 5'	12°45'	23°35'	10° 5'	2°43'	23°26'	28°39'	29° 7'	28°21'	11°R12	9°58'	3°48'	8° 1'	M 30
T 31	12 30 45	9°13'08"	22 ^h 47'	14°16'	24°19'	10°11'	2°47'	23°27'	28°37'	29°19'	28°20'	11°12'	9°55'	3°54'	8° 4'	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	7s54	24n29	2n12	10s30	2n49	6s13	1s25	21n 9	4n12	23s 5	0n23	21n41	0n21	12n20	0n48	9n14	1s44	23n14	12n13	17s 2	17s22	16n24	12s21	6n36					
M 2	7 31	20 58	1 3	10 53	2 36	5 43	1 24	21 12	4 10	23 5	0 23	21 42	0 21	12 21	0 48	9 14	1 44	23 15	12 13	17 2	17 22	16 27	12 19	6 37					
T 3	7 9	16 13	0s12	11 14	2 23	5 13	1 23	21 14	4 8	23 5	0 23	21 42	0 21	12 21	0 48	9 15	1 44	23 16	12 13	17 2	17 23	16 30	12 18	6 37					
W 4	6 46	10 28	1 28	11 34	2 9	4 43	1 23	21 16	4 6	23 6	0 23	21 43	0 21	12 22	0 48	9 15	1 44	23 16	12 13	17 2	17 24	16 32	12 17	6 37					
T 5	6 23	4 1	2 41	11 52	1 55	4 13	1 22	21 18	4 4	23 6	0 23	21 43	0 21	12 23	0 48	9 16	1 44	23 17	12 13	17 3	17 25	16 35	12 15	6 37					
F 6	5 59	2s44	3 43	12 7	1 41	3 43	1 21	21 19	4 2	23 6	0 23	21 44	0 21	12 24	0 48	9 17	1 44	23 17	12 13	17 4	17 26	16 37	12 14	6 38					
S 7	5 36	9 23	4 32	12 20	1 27	3 12	1 20	21 21	3 59	23 6	0 23	21 44	0 21	12 25	0 48	9 17	1 44	23 18	12 13	17 5	17 27	16 40	12 13	6 38					
S 8	5 13	15 30	5 2	12 32	1 13	2 42	1 19	21 22	3 57	23 6	0 23	21 44	0 21	12 26	0 48	9 18	1 44	23 18	12 13	17 7	17 28	16 42	12 12	6 38					
M 9	4 50	20 39	5 11	12 41	0 59	2 11	1 18	21 22	3 55	23 6	0 23	21 45	0 21	12 27	0 48	9 19	1 44	23 19	12 13	17 8	17 29	16 45	12 10	6 38					
T 10	4 26	24 28	5 1	12 48	0 45	1 40	1 17	21 23	3 53	23 6	0 23	21 45	0 21	12 28	0 48	9 19	1 44	23 19	12 13	17 9	17 29	16 47	12 9	6 39					
W 11	4 3	26 41	4 32	12 53	0 32	1 9	1 16	21 23	3 51	23 6	0 23	21 46	0 21	12 28	0 48	9 20	1 44	23 20	12 12	17 9	17 30	16 50	12 8	6 39					
T 12	3 39	27 11	3 47	12 56	0 19	0 39	1 15	21 23	3 48	23 6	0 23	21 46	0 21	12 29	0 48	9 21	1 44	23 20	12 12	17 10	17 31	16 52	12 7	6 39					
F 13	3 16	26 2	2 51	12 57	0 7	0 8	1 14	21 22	3 46	23 6	0 23	21 46	0 22	12 30	0 48	9 22	1 44	23 20	12 12	17 9	17 32	16 55	12 6	6 40					
S 14	2 52	23 26	1 48	12 56	0s 5	0n23	1 12	21 22	3 44	23 5	0 23	21 47	0 22	12 31	0 48	9 22	1 44	23 21	12 12	17 9	17 33	16 57	12 4	6 40					
S 15	2 28	19 41	0 39	12 53	0 17	0 54	1 11	21 21	3 42	23 5	0 23	21 47	0 22	12 32	0 48	9 23	1 44	23 21	12 12	17 8	17 34	17 0	12 3	6 40					
M 16	2 5	15 5	0n29	12 48	0 28	1 25	1 9	21 20	3 39	23 5	0 23	21 47	0 22	12 32	0 48	9 24	1 44	23 22	12 12	17 8	17 35	17 2	12 2	6 41					
T 17	1 41	9 55	1 36	12 42	0 39	1 56	1 8	21 19	3 37	23 5	0 23	21 47	0 22	12 33	0 48	9 24	1 44	23 22	12 12	17 9	17 36	17 5	12 1	6 41					
W 18	1 17	4 27	2 36	12 34	0 49	2 27	1 6	21 17	3 35	23 5	0 23	21 48	0 22	12 34	0 48	9 25	1 44	23 22	12 12	17 10	17 36	17 7	11 59	6 41					
T 19	0 54	1n 7	3 29	12 24	0 59	2 57	1 5	21 16	3 32	23 5	0 23	21 48	0 22	12 35	0 48	9 26	1 44	23 23	12 12	17 12	17 37	17 10	11 58	6 41					
F 20	0 30	6 34	4 11	12 12	1 8	3 28	1 3	21 14	3 30	23 5	0 23	21 48	0 22	12 35	0 48	9 27	1 44	23 23	12 12	17 14	17 38	17 12	11 57	6 42					
S 21	0 6	11 44	4 42	11 59	1 17	3 59	1 2	21 12	3 28	23 5	0 23	21 48	0 22	12 36	0 48	9 27	1 44	23 24	12 12	17 16	17 39	17 15	11 56	6 42					
S 22	0n17	16 26	5 1	11 44	1 25	4 29	1 0	21 10	3 25	23 5	0 23	21 48	0 22	12 37	0 48	9 28	1 43	23 24	12 11	17 19	17 40	17 17	11 55	6 43					
M 23	0 41	20 30	5 6	11 27	1 33	5 0	0 58	21 7	3 23	23 5	0 22	21 48	0 22	12 38	0 48	9 29	1 43	23 24	12 11	17 22	17 41	17 19	11 53	6 43					
T 24	1 5	23 44	4 58	11 9	1 40	5 30	0 56	21 5	3 21	23 5	0 22	21 48	0 22	12 38	0 48	9 30	1 43	23 25	12 11	17 24	17 42	17 22	11 52	6 43					
W 25	1 28	25 58	4 38	10 50	1 47	6 0	0 54	21 2	3 18	23 5	0 22	21 49	0 22	12 39	0 47	9 30	1 43	23 25	12 11	17 26	17 42	17 24	11 51	6 44					
T 26	1 52	27 2	4 5	10 29	1 53	6 30	0 52	20 59	3 16	23 5	0 22	21 49	0 22	12 40	0 47	9 31	1 43	23 25	12 11	17 27	17 43	17 27	11 50	6 44					
F 27	2 15	26 49	3 20	10 6	1 59	7 0	0 50	20 55	3 14	23 5	0 22	21 49	0 22	12 40	0 47	9 32	1 43	23 25	12 11	17 27	17 44	17 29	11 49	6 44					
S 28	2 39	25 14	2 25	9 42	2 4	7 30	0 48	20 52	3 11	23 5	0 22	21 49	0 22	12 41	0 47	9 33	1 43	23 26	12 11	17 27	17 45	17 32	11 48	6 45					
S 29	3 2	22 20	1 21	9 17	2 9	8 0	0 46	20 48	3 9	23 5	0 22	21 49	0 23	12 42	0 47	9 33	1 43	23 26	12 10	17 27	17 46	17 34	11 46	6 45					
M 30	3 26	18 12	0 11	8 50	2 13	8 29	0 44	20 45	3 7	23 5	0 22	21 49	0 23	12 42	0 47	9 34	1 43	23 26	12 10	17 27	17 47	17 37	11 45	6 45					
T 31	3n49	12n59	1s 2	8s22	2s17	8n58	0s42	20n41	3n 5	23s 5	0n22	21n49	0n23	12n43	0n47	9n35	1s43	23n26	12n10	17s27	17s48	17n39	11s44	6n46					

ASTRODIENST EPHEMERIS for the year 1711
geocentric

APRIL 1711

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	12 34 42	10°36'12	6♍57	15°30'	26°3'	10♈18	2°35'	23°27'	28°R35	29°V12	28°R19	11°R 9	9°52'	4♌ 1	8°57'	W 1
T 2	12 38 39	11°35'14	21°35	16°55'	27°17'	10°26'	2°55'	23°28'	28♈34	29°14	28♈18	11°4	9°48'	4° 8	8°10'	T 2
F 3	12 42 35	12°34'13	6♌35	18°21'	28°31'	10°34'	2°58'	23°29'	28°32'	29°16	28°17'	10°57'	9°45'	4°15'	8°13'	F 3
S 4	12 46 32	13°33'11	21°47	19°50'	29°45'	10°43'	3° 1'	23°30'	28°30'	29°18	28°16'	10°48'	9°42'	4°21'	8°16'	S 4
S 5	12 50 28	14°32'06	7♍ 3	21°20'	0♌59	10°52'	3° 4'	23°31'	28°29'	29°20	28°15'	10°38'	9°39'	4°28'	8°18'	S 5
M 6	12 54 25	15°31'00	22° 9	22°52'	2°13'	11° 2'	3° 7'	23°32'	28°27'	29°22	28°14'	10°29'	9°36'	4°35'	8°21'	M 6
T 7	12 58 21	16°29'52	6♌58	24°25'	3°27'	11°12'	3°10'	23°33'	28°26'	29°25	28°13'	10°22'	9°33'	4°42'	8°23'	T 7
W 8	13 2 18	17°28'42	21°24	26° 0'	4°41'	11°24'	3°12'	23°35'	28°24'	29°27	28°12'	10°17'	9°29'	4°48'	8°26'	W 8
T 9	13 6 14	18°27'30	5♌22	27°36'	5°54'	11°35'	3°15'	23°36'	28°23'	29°29	28°11'	10°15'	9°26'	4°55'	8°28'	T 9
F 10	13 10 11	19°26'17	18°54	29°14'	7° 8'	11°47'	3°17'	23°38'	28°21'	29°31	28°10'	10°D14	9°23'	5° 2'	8°31'	F 10
S 11	13 14 8	20°25'02	2° 2	0°V54	8°22'	12° 0'	3°19'	23°40'	28°20'	29°34	28°10'	10°14'	9°20'	5° 8'	8°33'	S 11
S 12	13 18 4	21°23'45	14°49	2°35'	9°36'	12°13'	3°21'	23°41'	28°19'	29°36	28° 9'	10°R14	9°17'	5°15'	8°35'	S 12
M13	13 22 1	22°22'27	27°20	4°18'	10°50'	12°27'	3°22'	23°43'	28°18'	29°38	28° 8'	10°13'	9°14'	5°22'	8°38'	M13
T 14	13 25 57	23°21'07	9♌38	6° 2'	12° 3'	12°41'	3°23'	23°45'	28°16'	29°40	28° 7'	10° 9'	9°10'	5°29'	8°40'	T 14
W15	13 29 54	24°19'45	21°46	7°48'	13°17'	12°56'	3°25'	23°47'	28°15'	29°43	28° 6'	10° 3'	9° 7'	5°35'	8°42'	W15
T 16	13 33 50	25°18'21	3°V47	9°36'	14°31'	13°11'	3°26'	23°50'	28°14'	29°45	28° 6'	9°54'	9° 4'	5°42'	8°44'	T 16
F 17	13 37 47	26°16'55	15°44	11°25'	15°44'	13°26'	3°26'	23°52'	28°13'	29°47	28° 5'	9°42'	9° 1'	5°49'	8°46'	F 17
S 18	13 41 43	27°15'28	27°38	13°16'	16°58'	13°42'	3°27'	23°54'	28°12'	29°49	28° 4'	9°29'	8°58'	5°55'	8°48'	S 18
S 19	13 45 40	28°13'58	9♌30	15° 9'	18°11'	13°59'	3°28'	23°57'	28°11'	29°52	28° 4'	9°15'	8°54'	6° 2'	8°49'	S 19
M20	13 49 36	29°12'27	21°22	17° 3'	19°25'	14°16'	3°28'	23°59'	28°10'	29°54	28° 3'	9° 1'	8°51'	6° 9'	8°51'	M20
T 21	13 53 33	0♌10'54	3♌15	18°59'	20°39'	14°33'	3°R28	24° 2'	28° 9'	29°56	28° 3'	8°49'	8°48'	6°16'	8°53'	T 21
W22	13 57 30	1° 9'18	15°12	20°56'	21°52'	14°51'	3°28'	24° 5'	28° 9'	29°58	28° 2'	8°40'	8°45'	6°22'	8°55'	W22
T 23	14 1 26	2° 7'41	27°15	22°55'	23° 5'	15° 9'	3°27'	24° 8'	28° 8'	0♌ 1	28° 2'	8°33'	8°42'	6°29'	8°56'	T 23
F 24	14 5 23	3° 6'02	9♌28	24°56'	24°19'	15°28'	3°27'	24°11'	28° 7'	0° 3'	28° 1'	8°29'	8°39'	6°36'	8°58'	F 24
S 25	14 9 19	4° 4'21	21°54	26°58'	25°32'	15°47'	3°26'	24°14'	28° 7'	0° 5'	28° 1'	8°27'	8°35'	6°43'	8°59'	S 25
S 26	14 13 16	5° 2'37	4♌39	29° 1'	26°45'	16° 6'	3°25'	24°17'	28° 6'	0° 7'	28° 0'	8°27'	8°32'	6°49'	9° 0'	S 26
M27	14 17 12	6° 0'52	17°46	1♌ 6	27°59'	16°26'	3°24'	24°21'	28° 6'	0°10	28° 0'	8°27'	8°29'	6°56'	9° 2'	M27
T 28	14 21 9	6°59'04	1♍20	3°12'	29°12'	16°46'	3°23'	24°24'	28° 5'	0°12	27°59'	8°26'	8°26'	7° 3'	9° 3'	T 28
W29	14 25 5	7°57'14	15°23	5°19'	0♌25	17° 6'	3°22'	24°28'	28° 5'	0°14	27°59'	8°23'	8°23'	7° 9'	9° 4'	W29
T 30	14 29 2	8°55'22	29♍54	7♌28	1♌38	17♈27	3°20	24°31	28♈ 4	0♌16	27♈59	8°17	8°19	7♌16	9° 5'	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
W 1	4n12	6n55	2s13	7s53	2s21	9n27	0s40	20n37	3n 2	23s 5	0n22	21n49	0n23	12n43	0n47	9n36	1s43	23n27	12n10	17s27	17s48	17n41	11s43	6n46	
T 2	4 35	0 19	3 18	7 23	2 23	9 56	0 38	20 33	3 0	23 5	0 22	21 49	0 23	12 44	0 47	9 36	1 43	23 27	12 10	17 29	17 49	17 44	11 42	6 47	
F 3	4 58	6s27	4 11	6 51	2 26	10 25	0 36	20 28	2 58	23 5	0 22	21 48	0 23	12 45	0 47	9 37	1 43	23 27	12 10	17 31	17 50	17 46	11 41	6 47	
S 4	5 21	12 56	4 47	6 18	2 28	10 53	0 33	20 24	2 56	23 5	0 22	21 48	0 23	12 45	0 47	9 38	1 43	23 27	12 9	17 33	17 51	17 49	11 40	6 47	
S 5	5 44	18 39	5 3	5 43	2 29	11 21	0 31	20 19	2 54	23 5	0 22	21 48	0 23	12 46	0 47	9 39	1 43	23 27	12 9	17 36	17 52	17 51	11 39	6 48	
M 6	6 7	23 7	4 57	5 8	2 30	11 49	0 29	20 14	2 51	23 5	0 22	21 48	0 23	12 46	0 47	9 40	1 43	23 28	12 9	17 38	17 53	17 53	11 38	6 48	
T 7	6 30	25 58	4 31	4 31	2 30	12 16	0 26	20 9	2 49	23 5	0 22	21 48	0 23	12 47	0 47	9 40	1 43	23 28	12 9	17 40	17 54	17 56	11 37	6 49	
W 8	6 52	27 0	3 49	3 53	2 30	12 44	0 24	20 4	2 47	23 5	0 22	21 48	0 23	12 47	0 47	9 41	1 43	23 28	12 9	17 42	17 54	17 58	11 36	6 49	
T 9	7 15	26 16	2 54	3 14	2 29	13 11	0 21	19 59	2 45	23 5	0 22	21 48	0 23	12 48	0 47	9 42	1 43	23 28	12 8	17 42	17 55	18 0	11 35	6 50	
F 10	7 37	23 58	1 51	2 34	2 28	13 37	0 19	19 53	2 43	23 5	0 22	21 47	0 23	12 48	0 47	9 43	1 43	23 28	12 8	17 42	17 56	18 3	11 34	6 50	
S 11	7 59	20 27	0 43	1 53	2 26	14 4	0 16	19 48	2 41	23 5	0 22	21 47	0 23	12 48	0 47	9 44	1 43	23 28	12 8	17 42	17 57	18 5	11 33	6 50	
S 12	8 21	16 2	0n24	1 10	2 24	14 30	0 14	19 42	2 39	23 5	0 22	21 47	0 23	12 49	0 47	9 44	1 43	23 28	12 8	17 42	17 58	18 7	11 32	6 51	
M13	8 43	11 1	1 29	0 27	2 21	14 55	0 11	19 36	2 37	23 5	0 22	21 47	0 23	12 49	0 47	9 45	1 43	23 28	12 7	17 43	17 59	18 10	11 31	6 51	
T 14	9 5	5 40	2 29	0n17	2 18	15 20	0 9	19 30	2 35	23 5	0 21	21 46	0 23	12 50	0 47	9 46	1 43	23 28	12 7	17 44	17 59	18 12	11 30	6 52	
W15	9 27	0 12	3 21	1 3	2 14	15 45	0 6	19 24	2 33	23 5	0 21	21 46	0 23	12 50	0 47	9 47	1 43	23 28	12 7	17 45	18 0	18 15	11 29	6 52	
T 16	9 48	5n14	4 3	1 49	2 10	16 10	0 4	19 18	2 31	23 5	0 21	21 46	0 24	12 50	0 47	9 48	1 43	23 28	12 7	17 48	18 1	18 17	11 28	6 53	
F 17	10 10	10 25	4 34	2 36	2 5	16 34	0 1	19 11	2 29	23 5	0 21	21 45	0 24	12 51	0 47	9 48	1 43	23 28	12 7	17 51	18 2	18 19	11 27	6 53	
S 18	10 31	15 12	4 54	3 24	2 0	16 57	0n 2	19 5	2 27	23 5	0 21	21 45	0 24	12 51	0 47	9 49	1 43	23 29	12 6	17 55	18 3	18 21	11 26	6 54	
S 19	10 52	19 25	5 0	4 13	1 54	17 21	0 4	18 58	2 25	23 5	0 21	21 45	0 24	12 51	0 47	9 50	1 43	23 29	12 6	17 58	18 4	18 24	11 25	6 54	
M20	11 13	22 50	4 53	5 3	1 48	17 43	0 7	18 52	2 23	23 5	0 21	21 44	0 24	12 52	0 47	9 51	1 43	23 28	12 6	18 2	18 4	18 26	11 24	6 54	
T 21	11 33	25 19	4 33	5 53	1 41	18 6	0 9	18 45	2 21	23 5	0 21	21 44	0 24	12 52	0 47	9 52	1 43	23 28	12 6	18 5	18 5	18 28	11 23	6 55	
W22	11 54	26 40	4 2	6 44	1 34	18 27	0 12	18 38	2 19	23 5	0 21	21 43	0 24	12 52	0 47	9 52	1 43	23 28	12 5	18 8	18 6	18 31	11 22	6 55	
T 23	12 14	26 46	3 19	7 35	1 26	18 49	0 15	18 30	2 18	23 5	0 21	21 43	0 24	12 52	0 47	9 53	1 43	23 28	12 5	18 9	18 7	18 33	11 22	6 56	
F 24	12 34	25 35	2 27	8 27	1 18	19 10	0 17	18 23	2 16	23 5	0 21	21 42	0 24	12 52	0 47	9 54	1 43	23 28	12 5	18 10	18 8	18 35	11 21	6 56	
S 25	12 54	23 7	1 26	9 20	1 9	19 30	0 20	18 16	2 14	23 5	0 21	21 42	0 24	12 53	0 47	9 55	1 43	23 28	12 5	18 11	18 9	18 38	11 20	6 57	
S 26	13 13	19 27	0 20	10 12	1 0	19 50	0 23	18 8	2 12	23 5	0 21	21 41	0 24	12 53	0 46	9 55	1 43	23 28	12 4	18 11	18 9	18 40	11 19	6 57	
M27	13 33	14 45	0s49	11 5	0 51	20 9	0 25	18 1	2 10	23 5	0 21	21 41	0 24	12 53	0 46	9 56	1 43	23 28	12 4	18 11	18 10	18 42	11 18	6 58	
T 28	13 52	9 11	1 58	11 57	0 41	20 28	0 28	17 53	2 9	23 5	0 21	21 40	0 24	12 53	0 46	9 57	1 43	23 28	12 4	18 11	18 11	18 44	11 18	6 58	
W29	14 11	2 59	3 2	12 49	0 31	20 46	0 31	17 45	2 7	23 6	0 21	21 40	0 24	12 53	0 46	9 58	1 43	23 28	12 3	18 12	18 12	18 47	11 17	6 59	
T 30	14n30	3s34	3s56	13n41	0s21	21n 4	0n33	17n37	2n 5	23s 6	0n21	21n39	0n24	12n53	0n46	9n59	1s43	23n28	12n 3	18s13	18s13	18n49	11s16	6n59	

ASTRODIENST EPHEMERIS for the year 1711

geocentric

MAY 1711

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14 32 59	9♂53'29	14♂50	9♂37	2♂52	17♂48	3♂R18	24♂35	28♂R 4	0♂19	27♂R59	8♂R 9	8♂16	7♂23	9♂6	F 1
S 2	14 36 55	10°51'33	0♂4	11°46	4° 5	18°10	3♂16	24°39	28♂ 4	0°21	27♂58	7♂59	8°13	7°30	9° 7	S 2
S 3	14 40 52	11°49'36	15°25	13°56	5°18	18°32	3°14	24°42	28° 4	0°23	27°58	7°48	8°10	7°36	9° 8	S 3
M 4	14 44 48	12°47'38	0♂41	16° 7	6°31	18°54	3°12	24°46	28° 3	0°25	27°58	7°37	8° 7	7°43	9° 9	M 4
T 5	14 48 45	13°45'37	15°42	18°17	7°44	19°16	3° 9	24°50	28° 3	0°28	27°58	7°29	8° 4	7°50	9° 9	T 5
W 6	14 52 41	14°43'36	0♂20	20°26	8°57	19°39	3° 6	24°55	28°D 3	0°30	27°58	7°22	8° 0	7°57	9°10	W 6
T 7	14 56 38	15°41'33	14°29	22°35	10°10	20° 2	3° 4	24°59	28° 3	0°32	27°57	7°19	7°57	8° 3	9°11	T 7
F 8	15 0 34	16°39'29	28° 9	24°43	11°22	20°25	3° 1	25° 3	28° 3	0°34	27°57	7°17	7°54	8°10	9°11	F 8
S 9	15 4 31	17°37'23	11♂21	26°50	12°35	20°49	2°57	25° 7	28° 4	0°36	27°57	7°17	7°51	8°17	9°12	S 9
S 10	15 8 28	18°35'16	24° 9	28°55	13°48	21°13	2°54	25°12	28° 4	0°39	27°D57	7°17	7°48	8°23	9°12	S 10
M 11	15 12 24	19°33'08	6♂37	0♂58	15° 1	21°37	2°50	25°16	28° 4	0°41	27°57	7°16	7°45	8°30	9°12	M 11
T 12	15 16 21	20°30'58	18°51	3° 0	16°14	22° 2	2°46	25°21	28° 4	0°43	27°57	7°13	7°41	8°37	9°13	T 12
W 13	15 20 17	21°28'48	0♂53	4°59	17°26	22°26	2°43	25°26	28° 5	0°45	27°57	7° 7	7°38	8°44	9°13	W 13
T 14	15 24 14	22°26'36	12°49	6°55	18°39	22°51	2°38	25°31	28° 5	0°47	27°58	6°59	7°35	8°50	9°13	T 14
F 15	15 28 10	23°24'23	24°42	8°49	19°52	23°17	2°34	25°35	28° 5	0°49	27°58	6°48	7°32	8°57	9°R13	F 15
S 16	15 32 7	24°22'08	6♂33	10°40	21° 4	23°42	2°30	25°40	28° 6	0°51	27°58	6°36	7°29	9° 4	9°13	S 16
S 17	15 36 3	25°19'53	18°25	12°29	22°17	24° 8	2°25	25°45	28° 6	0°53	27°58	6°23	7°25	9°10	9°13	S 17
M 18	15 40 0	26°17'36	0♂20	14°15	23°29	24°34	2°20	25°51	28° 7	0°56	27°58	6°10	7°22	9°17	9°13	M 18
T 19	15 43 57	27°15'18	12°18	15°57	24°42	25° 0	2°16	25°56	28° 8	0°58	27°58	5°59	7°19	9°24	9°12	T 19
W 20	15 47 53	28°12'58	24°22	17°37	25°54	25°27	2°11	26° 1	28° 8	1° 0	27°59	5°50	7°16	9°31	9°12	W 20
T 21	15 51 50	29°10'37	6♂32	19°13	27° 7	25°53	2° 5	26° 6	28° 9	1° 2	27°59	5°43	7°13	9°37	9°12	T 21
F 22	15 55 46	0♂8'15	18°52	20°46	28°19	26°20	2° 0	26°12	28°10	1° 4	27°59	5°40	7°10	9°44	9°11	F 22
S 23	15 59 43	1° 5'51	1♂25	22°16	29°31	26°47	1°55	26°17	28°11	1° 6	28° 0	5°D38	7° 6	9°51	9°11	S 23
S 24	16 3 39	2° 3'26	14°12	23°43	0♂44	27°15	1°49	26°23	28°12	1° 8	28° 0	5°39	7° 3	9°58	9°10	S 24
M 25	16 7 36	3° 1'00	27°19	25° 7	1°56	27°42	1°43	26°28	28°13	1°10	28° 1	5°R39	7° 0	10° 4	9°10	M 25
T 26	16 11 33	3°58'32	10♂48	26°27	3° 8	28°10	1°37	26°34	28°14	1°12	28° 1	5°39	6°57	10°11	9° 9	T 26
W 27	16 15 29	4°56'02	24°41	27°44	4°20	28°38	1°31	26°40	28°15	1°14	28° 2	5°37	6°54	10°18	9° 8	W 27
T 28	16 19 26	5°53'31	9♂0	28°58	5°32	29° 7	1°25	26°45	28°16	1°16	28° 2	5°34	6°51	10°24	9° 7	T 28
F 29	16 23 22	6°50'59	23°42	0♂8	6°44	29°35	1°19	26°51	28°17	1°18	28° 3	5°28	6°47	10°31	9° 6	F 29
S 30	16 27 19	7°48'26	8♂42	1°14	7°56	0♂4	1°13	26°57	28°18	1°20	28° 3	5°20	6°44	10°38	9° 5	S 30
S 31	16 31 15	8♂45'51	23♂52	2♂17	9♂8	0♂32	1♂6	27♂3	28♂20	1♂21	28♂4	5♂12	6♂41	10♂45	9♂4	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	14n48	10s 5	4s36	14n33	0s11	21n21	0n36	17n29	2n 3	23s 6	0n20	21n38	0n24	12n53	0n46	F 1
S 2	15 6	16 9	4 57	15 23	0 0	21 38	0 38	17 20	2 2	23 6	0 20	21 38	0 24	12 53	0 46	S 2
S 3	15 24	21 13	4 57	16 13	0n10	21 53	0 41	17 12	2 0	23 6	0 20	21 37	0 24	12 53	0 46	S 3
M 4	15 42	24 50	4 36	17 1	0 21	22 9	0 44	17 4	1 58	23 6	0 20	21 36	0 24	12 53	0 46	M 4
T 5	16 0	26 38	3 57	17 48	0 31	22 24	0 46	16 55	1 57	23 6	0 20	21 36	0 25	12 53	0 46	T 5
W 6	16 17	26 31	3 2	18 33	0 42	22 38	0 49	16 46	1 55	23 6	0 20	21 35	0 25	12 53	0 46	W 6
T 7	16 34	24 38	1 57	19 17	0 52	22 51	0 51	16 37	1 54	23 7	0 20	21 34	0 25	12 53	0 46	T 7
F 8	16 51	21 21	0 48	19 59	1 2	23 4	0 54	16 28	1 52	23 7	0 20	21 34	0 25	12 53	0 46	F 8
S 9	17 7	17 3	0n22	20 38	1 11	23 16	0 56	16 19	1 50	23 7	0 20	21 33	0 25	12 53	0 46	S 9
S 10	17 23	12 7	1 28	21 15	1 20	23 28	0 59	16 10	1 49	23 7	0 20	21 32	0 25	12 53	0 46	S 10
M 11	17 39	6 48	2 29	21 50	1 29	23 39	1 1	16 1	1 47	23 7	0 20	21 31	0 25	12 53	0 46	M 11
T 12	17 54	1 20	3 21	22 22	1 37	23 49	1 3	15 51	1 46	23 7	0 20	21 31	0 25	12 53	0 46	T 12
W 13	18 10	4n 5	4 3	22 52	1 44	23 58	1 6	15 42	1 44	23 7	0 20	21 30	0 25	12 53	0 46	W 13
T 14	18 25	9 17	4 35	23 19	1 51	24 7	1 8	15 32	1 43	23 8	0 19	21 29	0 25	12 53	0 46	T 14
F 15	18 39	14 8	4 54	23 44	1 57	24 15	1 10	15 23	1 41	23 8	0 19	21 28	0 25	12 52	0 46	F 15
S 16	18 54	18 27	5 1	24 6	2 2	24 23	1 12	15 13	1 40	23 8	0 19	21 27	0 25	12 52	0 46	S 16
S 17	19 8	22 3	4 54	24 25	2 6	24 30	1 15	15 3	1 38	23 8	0 19	21 26	0 25	12 52	0 46	S 17
M 18	19 21	24 44	4 35	24 42	2 10	24 36	1 17	14 53	1 37	23 8	0 19	21 25	0 25	12 52	0 46	M 18
T 19	19 35	26 20	4 3	24 56	2 13	24 41	1 19	14 42	1 36	23 9	0 19	21 25	0 25	12 51	0 46	T 19
W 20	19 48	26 42	3 21	25 9	2 15	24 46	1 21	14 32	1 34	23 9	0 19	21 24	0 25	12 51	0 46	W 20
T 21	20 0	25 47	2 28	25 18	2 16	24 50	1 23	14 22	1 33	23 9	0 19	21 23	0 25	12 51	0 45	T 21
F 22	20 13	23 36	1 28	25 26	2 17	24 53	1 25	14 11	1 31	23 9	0 19	21 22	0 25	12 50	0 45	F 22
S 23	20 25	20 15	0 23	25 31	2 17	24 55	1 27	14 1	1 30	23 9	0 19	21 21	0 25	12 50	0 45	S 23
S 24	20 36	15 52	0s46	25 35	2 15	24 57	1 29	13 50	1 29	23 9	0 19	21 20	0 26	12 50	0 45	S 24
M 25	20 48	10 39	1 53	25 37	2 13	24 58	1 31	13 39	1 27	23 10	0 18	21 19	0 26	12 49	0 45	M 25
T 26	20 59	4 49	2 56	25 36	2 11	24 59	1 32	13 28	1 26	23 10	0 18	21 18	0 26	12 49	0 45	T 26
W 27	21 9	1s25	3 51	25 34	2 7	24 58	1 34	13 17	1 25	23 10	0 18	21 17	0 26	12 49	0 45	W 27
T 28	21 19	7 45	4 33	25 31	2 2	24 57	1 36	13 6	1 23	23 10	0 18	21 16	0 26	12 48	0 45	T 28
F 29	21 29	13 50	4 58	25 26	1 57	24 55	1 37	12 55	1 22	23 10	0 18	21 15	0 26	12 48	0 45	F 29
S 30	21 39	19 13	5 4	25 19	1 51	24 53	1 39	12 44	1 21	23 10	0 18	21 13	0 26	12 47	0 45	S 30
S 31	21n48	23s26	4s49	25n12	1n44	24n50	1n40	12n32	1n19	23s11	0n18	21n12	0n26	12n47	0n45	S 31

Julian Day Number = 2346109.5, Delta T = 11.31 sec
 Ecliptic obliquity = 23°28'42, Nutation = 0°00'12, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°42'38, Lahiri = 19°49'38Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1711
geocentric

JUNE 1711

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	16 35 12	9II43'16	9♂ 1	3♂16	10♂20	1♂ 1	1°R 0	27♂ 9	28♂21	1♂23	28♂ 4	5°R 4	6♂38	10♂51	9°R 3	M 1
T 2	16 39 8	10°40'39	23°59	4°12	11°32	1°30	0♂53	27°15	28°22	1°25	28° 5	4♂57	6°35	10°58	9♂ 2	T 2
W 3	16 43 5	11°38'02	8♂38	5° 4	12°44	2° 0	0°46	27°21	28°24	1°27	28° 6	4°52	6°31	11° 5	9° 1	W 3
T 4	16 47 2	12°35'24	22°52	5°52	13°55	2°29	0°39	27°28	28°25	1°29	28° 6	4°50	6°28	11°12	9° 0	T 4
F 5	16 50 58	13°32'46	6♂38	6°36	15° 7	2°59	0°32	27°34	28°27	1°31	28° 7	4°D49	6°25	11°18	8°58	F 5
S 6	16 54 55	14°30'07	19°56	7°16	16°19	3°29	0°25	27°40	28°28	1°32	28° 8	4°50	6°22	11°25	8°57	S 6
S 7	16 58 51	15°27'27	2♂49	7°51	17°30	3°59	0°18	27°47	28°30	1°34	28° 9	4°51	6°19	11°32	8°55	S 7
M 8	17 2 48	16°24'47	15°20	8°23	18°42	4°29	0°11	27°53	28°32	1°36	28°10	4°R52	6°16	11°38	8°54	M 8
T 9	17 6 44	17°22'06	27°35	8°50	19°53	4°59	0° 4	28° 0	28°33	1°38	28°10	4°51	6°12	11°45	8°52	T 9
W10	17 10 41	18°19'25	9♂38	9°13	21° 5	5°30	29♂56	28° 6	28°35	1°39	28°11	4°49	6° 9	11°52	8°50	W10
T 11	17 14 37	19°16'43	21°33	9°31	22°16	6° 1	29°49	28°13	28°37	1°41	28°12	4°44	6° 6	11°59	8°49	T 11
F 12	17 18 34	20°14'01	3♂25	9°45	23°27	6°32	29°42	28°19	28°39	1°43	28°13	4°38	6° 3	12° 5	8°47	F 12
S 13	17 22 31	21°11'19	15°16	9°55	24°38	7° 3	29°34	28°26	28°41	1°44	28°14	4°31	6° 0	12°12	8°45	S 13
S 14	17 26 27	22° 8'36	27°11	9°59	25°50	7°34	29°27	28°33	28°43	1°46	28°15	4°23	5°57	12°19	8°43	S 14
M15	17 30 24	23° 5'53	9II11	10°R 0	27° 1	8° 5	29°19	28°40	28°45	1°47	28°16	4°16	5°53	12°25	8°41	M15
T 16	17 34 20	24° 3'10	21°17	9°55	28°12	8°37	29°11	28°46	28°47	1°49	28°17	4° 9	5°50	12°32	8°39	T 16
W17	17 38 17	25° 0'26	3♂32	9°47	29°23	9° 8	29° 4	28°53	28°49	1°51	28°18	4° 4	5°47	12°39	8°37	W17
T 18	17 42 13	25°57'42	15°55	9°34	0♂34	9°40	28°56	29° 0	28°51	1°52	28°19	4° 0	5°44	12°46	8°35	T 18
F 19	17 46 10	26°54'57	28°30	9°17	1°45	10°12	28°48	29° 7	28°53	1°54	28°20	3°D59	5°41	12°52	8°33	F 19
S 20	17 50 6	27°52'11	11♂16	8°56	2°56	10°44	28°41	29°14	28°55	1°55	28°22	3°59	5°37	12°59	8°31	S 20
S 21	17 54 3	28°49'25	24°16	8°32	4° 6	11°16	28°33	29°21	28°58	1°56	28°23	4° 0	5°34	13° 6	8°28	S 21
M22	17 58 0	29°46'39	7♂31	8° 4	5°17	11°48	28°25	29°28	29° 0	1°58	28°24	4° 2	5°31	13°13	8°26	M22
T 23	18 1 56	0♂43'52	21° 4	7°34	6°28	12°21	28°18	29°35	29° 2	1°59	28°25	4° 3	5°28	13°19	8°24	T 23
W24	18 5 53	1°41'04	4♂55	7° 1	7°38	12°54	28°10	29°42	29° 5	2° 1	28°26	4°R 3	5°25	13°26	8°21	W24
T 25	18 9 49	2°38'16	19° 4	6°27	8°49	13°26	28° 2	29°50	29° 7	2° 2	28°28	4° 2	5°22	13°33	8°19	T 25
F 26	18 13 46	3°35'27	3♂30	5°51	9°59	13°59	27°55	29°57	29°10	2° 3	28°29	4° 0	5°18	13°39	8°16	F 26
S 27	18 17 42	4°32'38	18° 9	5°15	11°10	14°32	27°47	0♂ 4	29°12	2° 4	28°30	3°57	5°15	13°46	8°14	S 27
S 28	18 21 39	5°29'48	2♂56	4°39	12°20	15° 5	27°40	0°11	29°15	2° 6	28°31	3°53	5°12	13°53	8°11	S 28
M29	18 25 35	6°26'59	17°44	4° 4	13°30	15°38	27°32	0°19	29°17	2° 7	28°33	3°49	5° 9	14° 0	8° 8	M29
T 30	18 29 32	7♂24'09	2♂25	3♂30	14♂40	16♂12	27♂25	0♂26	29♂20	2♂ 8	28♂34	3♂46	5♂ 6	14♂ 6	8♂ 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	21n57	26s 0	4s13	25n 3	1n36	24n46	1n42	12n21	1n18	23s11	0n18	21n11	0n26	12n46	0n45	10n21	1s44	23n17	11n54	19s 2	18s39	19n58	11s 2	7n14	
T 2	22 5	26 41	3 21	24 52	1 28	24 41	1 43	12 9	1 17	23 11	0 18	21 10	0 26	12 46	0 45	10 22	1 44	23 17	11 54	19 4	18 40	20 1	11 2	7 15	
W 3	22 13	25 27	2 16	24 41	1 19	24 36	1 44	11 57	1 16	23 11	0 17	21 9	0 26	12 45	0 45	10 22	1 44	23 16	11 54	19 5	18 40	20 3	11 2	7 15	
T 4	22 21	22 35	1 4	24 29	1 8	24 30	1 45	11 46	1 14	23 11	0 17	21 8	0 26	12 45	0 45	10 23	1 44	23 16	11 53	19 5	18 41	20 5	11 2	7 15	
F 5	22 28	18 29	0n10	24 16	0 58	24 23	1 46	11 34	1 13	23 11	0 17	21 7	0 26	12 44	0 45	10 24	1 44	23 15	11 53	19 5	18 42	20 7	11 2	7 16	
S 6	22 35	13 35	1 20	24 3	0 46	24 16	1 47	11 22	1 12	23 12	0 17	21 5	0 26	12 44	0 45	10 24	1 44	23 15	11 53	19 5	18 43	20 9	11 2	7 16	
S 7	22 41	8 14	2 25	23 48	0 34	24 7	1 48	11 10	1 11	23 12	0 17	21 4	0 26	12 43	0 45	10 25	1 44	23 14	11 53	19 5	18 44	20 11	11 2	7 17	
M 8	22 47	2 42	3 20	23 34	0 21	23 59	1 49	10 58	1 9	23 12	0 17	21 3	0 26	12 42	0 45	10 25	1 44	23 14	11 52	19 5	18 44	20 13	11 2	7 17	
T 9	22 53	2n48	4 6	23 18	0 7	23 49	1 50	10 45	1 8	23 12	0 17	21 2	0 26	12 42	0 45	10 26	1 44	23 13	11 52	19 5	18 45	20 15	11 2	7 17	
W10	22 58	8 6	4 39	23 3	0s 7	23 39	1 51	10 33	1 7	23 12	0 17	21 0	0 26	12 41	0 45	10 26	1 44	23 12	11 52	19 6	18 46	20 17	11 2	7 18	
T 11	23 3	13 3	5 0	22 46	0 22	23 28	1 52	10 21	1 6	23 12	0 17	20 59	0 27	12 40	0 45	10 27	1 44	23 12	11 51	19 7	18 47	20 19	11 2	7 18	
F 12	23 7	17 29	5 8	22 30	0 37	23 17	1 52	10 8	1 5	23 12	0 16	20 58	0 27	12 40	0 45	10 27	1 44	23 11	11 51	19 8	18 47	20 21	11 2	7 19	
S 13	23 11	21 16	5 3	22 14	0 53	23 5	1 53	9 55	1 4	23 12	0 16	20 57	0 27	12 39	0 45	10 28	1 44	23 11	11 51	19 10	18 48	20 23	11 2	7 19	
S 14	23 15	24 10	4 44	21 58	1 9	22 52	1 53	9 43	1 2	23 12	0 16	20 55	0 27	12 38	0 45	10 28	1 44	23 10	11 51	19 12	18 49	20 25	11 2	7 19	
M15	23 18	26 2	4 13	21 41	1 25	22 39	1 53	9 30	1 1	23 13	0 16	20 54	0 27	12 38	0 45	10 29	1 44	23 10	11 50	19 13	18 50	20 27	11 2	7 20	
T 16	23 21	26 42	3 31	21 25	1 42	22 25	1 54	9 17	1 0	23 13	0 16	20 53	0 27	12 37	0 45	10 29	1 45	23 9	11 50	19 15	18 51	20 29	11 2	7 20	
W17	23 23	26 4	2 38	21 9	1 58	22 10	1 54	9 4	0 59	23 13	0 16	20 51	0 27	12 36	0 44	10 30	1 45	23 8	11 50	19 16	18 51	20 31	11 2	7 20	
T 18	23 25	24 8	1 37	20 54	2 15	21 55	1 54	8 51	0 58	23 13	0 16	20 50	0 27	12 35	0 44	10 30	1 45	23 8	11 50	19 17	18 52	20 33	11 3	7 21	
F 19	23 27	20 59	0 30	20 38	2 31	21 39	1 54	8 38	0 57	23 13	0 15	20 49	0 27	12 34	0 44	10 31	1 45	23 7	11 50	19 17	18 53	20 35	11 3	7 21	
S 20	23 28	16 47	0s40	20 24	2 47	21 23	1 54	8 25	0 56	23 13	0 15	20 47	0 27	12 34	0 44	10 31	1 45	23 6	11 49	19 17	18 54	20 37	11 3	7 21	
S 21	23 28	11 45	1 48	20 10	3 3	21 6	1 54	8 12	0 55	23 13	0 15	20 46	0 27	12 33	0 44	10 32	1 45	23 6	11 49	19 17	18 54	20 39	11 3	7 22	
M22	23 29	6 5	2 53	19 57	3 18	20 49	1 53	7 58	0 54	23 13	0 15	20 44	0 27	12 32	0 44	10 32	1 45	23 5	11 49	19 17	18 55	20 41	11 4	7 22	
T 23	23 29	0 2	3 49	19 44	3 32	20 31	1 53	7 45	0 52	23 13	0 15	20 43	0 27	12 31	0 44	10 33	1 45	23 5	11 49	19 16	18 56	20 43	11 4	7 22	
W24	23 28	6s 8	4 33	19 33	3 45	20 12	1 53	7 31	0 51	23 13	0 15	20 41	0 27	12 30	0 44	10 33	1 45	23 4	11 48	19 16	18 57	20 45	11 4	7 23	
T 25	23 27	12 8	5 2	19 22	3 58	19 53	1 52	7 18	0 50	23 13	0 15	20 40	0 27	12 29	0 44	10 33	1 45	23 3	11 48	19 17	18 58	20 47	11 5	7 23	
F 26	23 26	17 35	5 12	19 12	4 9	19 34	1 52	7 4	0 49	23 13	0 14	20 39	0 27	12 29	0 44	10 34	1 45	23 3	11 48	19 17	18 58	20 49	11 5	7 23	
S 27	23 24	22 6	5 3	19 4	4 19	19 14	1 51	6 50	0 48	23 13	0 14	20 37	0 28	12 28	0 44	10 34	1 45	23 2	11 48	19 18	18 59	20 51	11 5	7 24	
S 28	23 22	25 15	4 33	18 57	4 27	18 53	1 50	6 37	0 47	23 13	0 14	20 36	0 28	12 27	0 44	10 35	1 45	23 1	11 47	19 19	19 0	20 53	11 6	7 24	
M29	23 19	26 39	3 46	18 51	4 34	18 32	1 49	6 23	0 46	23 13	0 14	20 34	0 28	12 26	0 44	10 35	1 45	23 1	11 47	19 20	19 1	20 55	11 6	7 24	
T 30	23n16	26s11	2s43	18n47	4s39	18n11	1n48	6n 9	0n45	23s13	0n14	20n33	0n28	12n25	0n44	10n35	1s45	23n 0	11n47	19s21	19s 1	20n57	11s 6	7n24	

ASTRODIENST EPHEMERIS for the year 1711
geocentric

JULY 1711

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Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	18 33 29	8°21'19	16°51	2°R57	15°50	16°45	27°R17	0°53	29°22	2°8 9	28°36	3°R44	5°3	14°13	8°R 3	W 1
T 2	18 37 25	9°18'30	0°58	2°27	17° 0	17°19	27°10	0°41	29°25	2°10	28°37	3°D43	4°59	14°20	8°0	T 2
F 3	18 41 22	10°15'40	14°42	2° 0	18°10	17°53	27° 2	0°48	29°28	2°11	28°38	3°43	4°56	14°27	7°57	F 3
S 4	18 45 18	11°12'51	28° 1	1°37	19°20	18°26	26°55	0°56	29°31	2°13	28°40	3°44	4°53	14°33	7°55	S 4
S 5	18 49 15	12°10'01	10°57	1°17	20°30	19° 0	26°48	1° 3	29°33	2°14	28°41	3°46	4°50	14°40	7°52	S 5
M 6	18 53 11	13° 7'13	23°32	1° 2	21°39	19°35	26°41	1°10	29°36	2°15	28°43	3°47	4°47	14°47	7°49	M 6
T 7	18 57 8	14° 4'24	5°50	0°51	22°49	20° 9	26°34	1°18	29°39	2°16	28°44	3°48	4°43	14°53	7°46	T 7
W 8	19 1 4	15° 1'36	17°55	0°45	23°58	20°43	26°27	1°26	29°42	2°17	28°46	3°R48	4°40	15° 0	7°43	W 8
T 9	19 5 1	15°58'49	29°52	0°D44	25° 8	21°17	26°20	1°33	29°45	2°17	28°47	3°48	4°37	15° 7	7°40	T 9
F 10	19 8 58	16°56'02	11°44	0°48	26°17	21°52	26°13	1°41	29°48	2°18	28°49	3°46	4°34	15°14	7°37	F 10
S 11	19 12 54	17°53'16	23°38	0°58	27°26	22°27	26° 7	1°48	29°51	2°19	28°51	3°44	4°31	15°20	7°34	S 11
S 12	19 16 51	18°50'30	5°35	1°13	28°35	23° 1	26° 0	1°56	29°54	2°20	28°52	3°42	4°28	15°27	7°31	S 12
M13	19 20 47	19°47'45	17°40	1°33	29°44	23°36	25°53	2° 3	29°57	2°21	28°54	3°40	4°24	15°34	7°28	M13
T 14	19 24 44	20°45'01	29°55	1°59	0°53	24°11	25°47	2°11	0°0	2°22	28°55	3°38	4°21	15°40	7°24	T 14
W15	19 28 40	21°42'17	12°22	2°31	2° 2	24°46	25°41	2°19	0° 3	2°22	28°57	3°37	4°18	15°47	7°21	W15
T 16	19 32 37	22°39'33	25° 2	3° 8	3°11	25°22	25°35	2°26	0° 6	2°23	28°59	3°36	4°15	15°54	7°18	T 16
F 17	19 36 34	23°36'50	7°56	3°50	4°19	25°57	25°29	2°34	0°10	2°24	29° 0	3°D36	4°12	16° 1	7°15	F 17
S 18	19 40 30	24°34'07	21° 4	4°38	5°28	26°32	25°23	2°42	0°13	2°24	29° 2	3°37	4° 9	16° 7	7°12	S 18
S 19	19 44 27	25°31'25	4°25	5°31	6°36	27° 8	25°17	2°50	0°16	2°25	29° 4	3°37	4° 5	16°14	7° 8	S 19
M20	19 48 23	26°28'43	17°59	6°30	7°44	27°43	25°11	2°57	0°19	2°26	29° 6	3°38	4° 2	16°21	7° 5	M20
T 21	19 52 20	27°26'02	1°46	7°34	8°52	28°19	25° 6	3° 5	0°23	2°26	29° 7	3°39	3°59	16°28	7° 2	T 21
W22	19 56 16	28°23'21	15°44	8°42	10° 0	28°55	25° 1	3°13	0°26	2°27	29° 9	3°39	3°56	16°34	6°59	W22
T 23	20 0 13	29°20'40	29°52	9°56	11° 8	29°31	24°55	3°20	0°29	2°27	29°11	3°R39	3°53	16°41	6°55	T 23
F 24	20 4 9	0°18'00	14°18	7	11°15	12°16	0°4	24°50	3°28	2°28	29°13	3°39	3°49	16°48	6°52	F 24
S 25	20 8 6	1°15'20	28°28	12°38	13°24	0°43	24°45	3°36	0°36	2°28	29°15	3°39	3°46	16°54	6°49	S 25
S 26	20 12 3	2°12'41	12°51	14° 6	14°31	1°19	24°41	3°44	0°39	2°28	29°16	3°39	3°43	17° 1	6°45	S 26
M27	20 15 59	3°10'02	27°11	15°39	15°39	1°56	24°36	3°51	0°43	2°29	29°18	3°D39	3°40	17° 8	6°42	M27
T 28	20 19 56	4° 7'24	11°26	17°16	16°46	2°32	24°32	3°59	0°46	2°29	29°20	3°39	3°37	17°15	6°39	T 28
W29	20 23 52	5° 4'47	25°29	18°56	17°53	3° 8	24°27	4° 7	0°50	2°29	29°22	3°39	3°34	17°21	6°35	W29
T 30	20 27 49	6° 2'10	9°17	20°41	19° 0	3°45	24°23	4°15	0°53	2°30	29°24	3°R39	3°30	17°28	6°32	T 30
F 31	20 31 45	6°59'35	22°49	22°29	20°17	4°22	24°19	4°22	0°57	2°30	29°26	3°38	3°27	17°35	6°29	F 31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
W 1	23n13	23s55	1s31	18n44	4s43	17n49	1n47	5n55	0n44	23s13	0n14	20n31	0n28	12n24	0n44	10n36	1s45	22n59	11n47	19s21	19s 2	20n59	11s 7	7n25
T 2	23 9	20 13	0 15	18 42	4 45	17 27	1 46	5 41	0 43	23 13	0 14	20 29	0 28	12 23	0 44	10 36	1 45	22 58	11 47	19 21	19 3	21 0	11 7	7 25
F 3	23 5	15 30	1n 0	18 42	4 46	17 4	1 45	5 27	0 42	23 13	0 13	20 28	0 28	12 22	0 44	10 36	1 45	22 58	11 46	19 21	19 4	21 2	11 8	7 25
S 4	23 0	10 9	2 10	18 43	4 45	16 41	1 43	5 13	0 41	23 13	0 13	20 26	0 28	12 21	0 44	10 37	1 45	22 57	11 46	19 21	19 5	21 4	11 8	7 25
S 5	22 55	4 32	3 11	18 45	4 43	16 17	1 42	4 58	0 40	23 13	0 13	20 25	0 28	12 20	0 44	10 37	1 46	22 56	11 46	19 20	19 5	21 6	11 9	7 26
M 6	22 50	1n 7	4 1	18 49	4 39	15 53	1 40	4 44	0 39	23 13	0 13	20 23	0 28	12 19	0 44	10 37	1 46	22 56	11 46	19 20	19 6	21 8	11 9	7 26
T 7	22 44	6 35	4 38	18 54	4 34	15 29	1 38	4 30	0 38	23 13	0 13	20 22	0 28	12 18	0 44	10 37	1 46	22 55	11 46	19 20	19 7	21 10	11 10	7 26
W 8	22 38	11 42	5 3	19 1	4 28	15 4	1 37	4 15	0 37	23 13	0 13	20 20	0 28	12 17	0 44	10 38	1 46	22 54	11 46	19 20	19 8	21 12	11 10	7 26
T 9	22 31	16 20	5 14	19 8	4 20	14 39	1 35	4 1	0 36	23 13	0 13	20 18	0 28	12 16	0 44	10 38	1 46	22 54	11 45	19 20	19 8	21 14	11 11	7 26
F 10	22 24	20 19	5 12	19 17	4 12	14 14	1 33	3 46	0 35	23 13	0 12	20 17	0 28	12 15	0 44	10 38	1 46	22 53	11 45	19 20	19 9	21 15	11 12	7 27
S 11	22 17	23 29	4 56	19 26	4 2	13 48	1 31	3 32	0 34	23 13	0 12	20 15	0 29	12 14	0 44	10 38	1 46	22 52	11 45	19 21	19 10	21 17	11 12	7 27
S 12	22 9	25 40	4 28	19 37	3 52	13 22	1 29	3 17	0 33	23 13	0 12	20 14	0 29	12 12	0 44	10 39	1 46	22 51	11 45	19 21	19 11	21 19	11 13	7 27
M13	22 1	26 41	3 47	19 48	3 40	12 56	1 26	3 2	0 32	23 13	0 12	20 12	0 29	12 11	0 44	10 39	1 46	22 51	11 45	19 22	19 11	21 21	11 13	7 27
T 14	21 52	26 24	2 56	20 0	3 28	12 29	1 24	2 48	0 31	23 13	0 12	20 10	0 29	12 10	0 44	10 39	1 46	22 50	11 45	19 22	19 12	21 23	11 14	7 27
W15	21 44	24 48	1 55	20 12	3 16	12 2	1 22	2 33	0 30	23 13	0 12	20 9	0 29	12 9	0 44	10 39	1 46	22 49	11 45	19 23	19 13	21 25	11 15	7 27
T 16	21 34	21 56	0 47	20 24	3 2	11 35	1 19	2 18	0 30	23 13	0 11	20 7	0 29	12 8	0 44	10 40	1 46	22 48	11 44	19 23	19 14	21 27	11 15	7 27
F 17	21 25	17 56	0s24	20 37	2 49	11 8	1 16	2 3	0 29	23 13	0 11	20 5	0 29	12 7	0 44	10 40	1 46	22 48	11 44	19 23	19 14	21 28	11 16	7 28
S 18	21 15	13 0	1 35	20 49	2 35	10 40	1 14	1 48	0 28	23 13	0 11	20 4	0 29	12 6	0 44	10 40	1 46	22 47	11 44	19 23	19 15	21 30	11 17	7 28
S 19	21 4	7 23	2 42	21 1	2 21	10 12	1 11	1 33	0 27	23 13	0 11	20 2	0 29	12 5	0 44	10 40	1 46	22 46	11 44	19 22	19 16	21 32	11 17	7 28
M20	20 54	1 21	3 42	21 13	2 6	9 44	1 8	1 18	0 26	23 13	0 11	20 0	0 29	12 3	0 44	10 40	1 46	22 45	11 44	19 22	19 17	21 34	11 18	7 28
T 21	20 42	4s49	4 29	21 24	1 52	9 16	1 5	1 3	0 25	23 13	0 11	19 59	0 29	12 2	0 44	10 40	1 46	22 45	11 44	19 22	19 17	21 36	11 19	7 28
W22	20 31	10 50	5 1	21 35	1 37	8 47	1 2	0 48	0 24	23 13	0 11	19 57	0 29	12 1	0 44	10 40	1 47	22 44	11 44	19 22	19 18	21 37	11 20	7 28
T 23	20 19	16 22	5 16	21 44	1 23	8 18	0 59	0 33	0 23	23 12	0 10	19 55	0 29	12 0	0 44	10 41	1 47	22 43	11 44	19 22	19 19	21 39	11 20	7 28
F 24	20 7	21 3	5 12	21 52	1 8	7 49	0 55	0 18	0 22	23 12	0 10	19 53	0 30	11 59	0 44	10 41	1 47	22 43	11 43	19 22	19 20	21 41	11 21	7 28
S 25	19 55	24 31	4 48	21 59	0 54	7 20	0 52	0 2	0 21	23 12	0 10	19 52	0 30	11 57	0 44	10 41	1 47	22 42	11 43	19 22	19 20	21 43	11 22	7 28
S 26	19 42	26 26	4 6	22 4	0 40	6 51	0 48	0s13	0 21	23 12	0 10	19 50	0 30	11 56	0 43	10 41	1 47	22 41	11 43	19 22	19 21	21 44	11 23	7 28
M27	19 29	26 35	3 9	22 8	0 26	6 21	0 45	0 28	0 20	23 12	0 10	19 48	0 30	11 55	0 43	10 41	1 47	22 40	11 43	19 22	19 22	21 46	11 23	7 28
T 28	19 15	24 59	2 0	22 9	0 13	5 52	0 41	0 43	0 19	23 12	0 10	19 46	0 30	11 54	0 43	10 41	1 47	22 40	11 43	19 22	19 23	21 48	11 24	7 28
W29	19 2	21 49	0 45	22 8	0 0	5 22	0 37	0 59	0 18	23 12	0 9	19 45	0 30	11 52	0 43	10 41	1 47	22 39	11 43	19 22	19 23	21 50	11 25	7 28
T 30	18 48	17 27	0n31	22 5	0n12	4 53	0 34	1 14	0 17	23 12	0 9	19 43	0 30	11 51	0 43	10 41	1 47	22 38	11 43	19 22	19 24	21 51	11 26	7 28
F 31	18n33	12s17	1n44	22n 0	0n24	4n23	0n30	1s29	0n16	23s12	0n 9	19n41	0n30	11n50	0n43	10n41	1s47	22n37	11n43	19s22	19s25	21n53	11s27	7n28

ASTRODIENST EPHEMERIS for the year 1711
geocentric

AUGUST 1711

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 35 42	7♎57°00	6♋1	24♎20	21♎13	4♎59	24°R16	4♎30	1♎0	2♎30	29♎28	3°R38	3♎24	17♎41	6°R25	S 1
S 2	20 39 38	8°54'26	18°54	26°13	22°20	5°35	24♎12	4°38	1°4	2°30	29°29	3♎38	3°21	17°48	6♎22	S 2
M 3	20 43 35	9°51'54	1°V28	28°9	23°26	6°12	24°9	4°46	1°7	2°30	29°31	3°37	3°18	17°55	6°19	M 3
T 4	20 47 32	10°49'23	13°47	0♎8	24°32	6°49	24°5	4°53	1°11	2°30	29°33	3°36	3°15	18°2	6°15	T 4
W 5	20 51 28	11°46'53	25°53	2°7	25°38	7°27	24°2	5°1	1°14	2°30	29°35	3°35	3°11	18°8	6°12	W 5
T 6	20 55 25	12°44'25	7♎51	4°9	26°44	8°4	23°59	5°9	1°18	2°R30	29°37	3°D35	3°8	18°15	6°9	T 6
F 7	20 59 21	13°41'58	19°44	6°11	27°50	8°41	23°57	5°16	1°22	2°30	29°39	3°35	3°5	18°22	6°5	F 7
S 8	21 3 18	14°39'32	1♎38	8°13	28°55	9°19	23°54	5°24	1°25	2°30	29°41	3°36	3°2	18°28	6°2	S 8
S 9	21 7 14	15°37'08	13°37	10°16	0♎1	9°56	23°52	5°32	1°29	2°30	29°43	3°36	2°59	18°35	5°59	S 9
M10	21 11 11	16°34'45	25°45	12°20	1°6	10°34	23°49	5°39	1°33	2°30	29°45	3°38	2°55	18°42	5°56	M10
T 11	21 15 7	17°32'24	8♎6	14°22	2°11	11°11	23°47	5°47	1°36	2°30	29°47	3°39	2°52	18°49	5°52	T 11
W12	21 19 4	18°30'04	20°44	16°25	3°16	11°49	23°46	5°55	1°40	2°30	29°49	3°40	2°49	18°55	5°49	W12
T 13	21 23 1	19°27'46	3♎39	18°27	4°20	12°27	23°44	6°2	1°44	2°30	29°51	3°R40	2°46	19°2	5°46	T 13
F 14	21 26 57	20°25'29	16°52	20°28	5°25	13°5	23°43	6°10	1°47	2°29	29°53	3°40	2°43	19°9	5°43	F 14
S 15	21 30 54	21°23'13	0♎24	22°28	6°29	13°43	23°41	6°18	1°51	2°29	29°55	3°38	2°40	19°15	5°40	S 15
S 16	21 34 50	22°20'59	14°12	24°27	7°33	14°21	23°40	6°25	1°55	2°29	29°57	3°36	2°36	19°22	5°36	S 16
M17	21 38 47	23°18'45	28°13	26°25	8°36	15°0	23°39	6°33	1°58	2°29	29°59	3°34	2°33	19°29	5°33	M17
T 18	21 42 43	24°16'33	12♎23	28°22	9°40	15°38	23°39	6°40	2°2	2°28	0♎1	3°31	2°30	19°36	5°30	T 18
W19	21 46 40	25°14'23	26°38	0♎17	10°43	16°16	23°38	6°48	2°6	2°28	0°3	3°29	2°27	19°42	5°27	W19
T 20	21 50 36	26°12'13	10♎55	2°11	11°46	16°55	23°38	6°55	2°10	2°27	0°5	3°27	2°24	19°49	5°24	T 20
F 21	21 54 33	27°10'05	25°10	4°4	12°49	17°33	23°D38	7°3	2°13	2°27	0°7	3°D26	2°21	19°56	5°21	F 21
S 22	21 58 30	28°7'58	9♎21	5°56	13°51	18°12	23°38	7°10	2°17	2°26	0°9	3°27	2°17	20°3	5°18	S 22
S 23	22 2 26	29°5'52	23°25	7°46	14°54	18°51	23°38	7°17	2°21	2°26	0°11	3°28	2°14	20°9	5°15	S 23
M24	22 6 23	0♎3'47	7♎21	9°35	15°56	19°30	23°38	7°25	2°25	2°25	0°13	3°29	2°11	20°16	5°12	M24
T 25	22 10 19	1°1'44	21°9	11°23	16°57	20°9	23°39	7°32	2°29	2°25	0°15	3°30	2°8	20°23	5°9	T 25
W26	22 14 16	1°59'42	4♎45	13°9	17°59	20°48	23°40	7°39	2°32	2°24	0°17	3°R31	2°5	20°29	5°7	W26
T 27	22 18 12	2°57'42	18°10	14°54	19°0	21°27	23°41	7°47	2°36	2°23	0°19	3°30	2°1	20°36	5°4	T 27
F 28	22 22 9	3°55'43	1♎21	16°38	20°0	22°6	23°42	7°54	2°40	2°23	0°21	3°28	1°58	20°43	5°1	F 28
S 29	22 26 5	4°53'46	14°19	18°21	21°1	22°45	23°43	8°1	2°44	2°22	0°23	3°24	1°55	20°50	4°58	S 29
S 30	22 30 2	5°51'50	27°2	20°2	22°1	23°24	23°45	8°8	2°47	2°21	0°25	3°19	1°52	20°56	4°56	S 30
M31	22 33 59	6♎49'56	9♎30	21♎42	23♎1	24♎4	23♎47	8♎16	2♎51	2♎21	0♎27	3♎13	1♎49	21♎3	4♎53	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl
S 1	18n19	6s41	2n50	21n52	0n35	3n53	0n26	1s45	0n15	23s12	0n9	19n39	0n30	11n49	0n43	10n41
S 2	18 4	0 57	3 45	21 41	0 45	3 23	0 22	2 0	0 14	23 12	0 9	19 38	0 30	11 47	0 43	10 41
M 3	17 48	4n41	4 28	21 28	0 55	2 53	0 17	2 16	0 14	23 12	0 9	19 36	0 30	11 46	0 43	10 41
T 4	17 33	10 1	4 58	21 12	1 4	2 22	0 13	2 31	0 13	23 12	0 9	19 34	0 30	11 45	0 43	10 41
W 5	17 17	14 53	5 14	20 53	1 12	1 52	0 9	2 47	0 12	23 12	0 8	19 32	0 31	11 44	0 43	10 41
T 6	17 1	19 7	5 16	20 32	1 19	1 22	0 4	3 2	0 11	23 12	0 8	19 30	0 31	11 42	0 43	10 41
F 7	16 44	22 34	5 4	20 8	1 25	0 52	0s 0	3 17	0 10	23 12	0 8	19 29	0 31	11 41	0 43	10 41
S 8	16 28	25 5	4 39	19 42	1 30	0 21	0 5	3 33	0 9	23 12	0 8	19 27	0 31	11 40	0 43	10 41
S 9	16 11	26 29	4 3	19 13	1 35	0s 9	0 10	3 49	0 9	23 12	0 8	19 25	0 31	11 38	0 43	10 41
M10	15 54	26 39	3 14	18 43	1 39	0 39	0 14	4 4	0 8	23 12	0 8	19 23	0 31	11 37	0 43	10 41
T 11	15 36	25 30	2 17	18 10	1 42	1 10	0 19	4 20	0 7	23 13	0 7	19 22	0 31	11 36	0 43	10 40
W12	15 18	23 3	1 11	17 35	1 44	1 40	0 24	4 35	0 6	23 13	0 7	19 20	0 31	11 34	0 43	10 40
T 13	15 0	19 22	0 0	16 59	1 45	2 10	0 29	4 51	0 5	23 13	0 7	19 18	0 31	11 33	0 43	10 40
F 14	14 42	14 39	1s12	16 22	1 46	2 40	0 34	5 6	0 5	23 13	0 7	19 16	0 31	11 32	0 43	10 40
S 15	14 24	9 8	2 22	15 43	1 46	3 11	0 39	5 22	0 4	23 13	0 7	19 14	0 32	11 30	0 43	10 40
S 16	14 5	3 4	3 25	15 3	1 45	3 41	0 44	5 37	0 3	23 13	0 7	19 13	0 32	11 29	0 43	10 40
M17	13 46	3s13	4 17	14 22	1 44	4 11	0 50	5 53	0 2	23 13	0 7	19 11	0 32	11 28	0 43	10 40
T 18	13 27	9 24	4 53	13 39	1 42	4 41	0 55	6 8	0 1	23 13	0 6	19 9	0 32	11 26	0 43	10 39
W19	13 8	15 8	5 12	12 57	1 40	5 10	1 0	6 24	0 1	23 13	0 6	19 7	0 32	11 25	0 43	10 39
T 20	12 48	20 3	5 12	12 13	1 37	5 40	1 6	6 39	0s 0	23 13	0 6	19 5	0 32	11 24	0 43	10 39
F 21	12 28	23 48	4 52	11 29	1 33	6 10	1 11	6 55	0 1	23 14	0 6	19 4	0 32	11 22	0 43	10 39
S 22	12 9	26 5	4 15	10 44	1 30	6 39	1 17	7 10	0 2	23 14	0 6	19 2	0 32	11 21	0 43	10 39
S 23	11 48	26 41	3 22	9 59	1 25	7 9	1 22	7 26	0 2	23 14	0 6	19 0	0 32	11 20	0 43	10 38
M24	11 28	25 35	2 19	9 14	1 21	7 38	1 28	7 41	0 3	23 14	0 6	18 58	0 32	11 18	0 43	10 38
T 25	11 8	22 55	1 7	8 28	1 16	8 7	1 34	7 57	0 4	23 14	0 5	18 56	0 33	11 17	0 43	10 38
W26	10 47	19 0	0n 7	7 43	1 10	8 36	1 39	8 12	0 5	23 14	0 5	18 55	0 33	11 16	0 43	10 38
T 27	10 26	14 9	1 19	6 57	1 5	9 4	1 45	8 28	0 5	23 15	0 5	18 53	0 33	11 14	0 43	10 37
F 28	10 5	8 44	2 26	6 11	0 59	9 33	1 51	8 43	0 6	23 15	0 5	18 51	0 33	11 13	0 43	10 37
S 29	9 44	3 2	3 24	5 25	0 53	10 1	1 57	8 58	0 7	23 15	0 5	18 49	0 33	11 12	0 43	10 37
S 30	9 23	2n39	4 11	4 40	0 46	10 29	2 3	9 13	0 8	23 15	0 5	18 48	0 33	11 10	0 43	10 36
M31	9n 1	8n 8	4n45	3n54	0n40	10s57	2s 9	9s29	0s 8	23s15	0n 5	18n46	0n33	11n 9	0n43	10n36

Julian Day Number = 2346201.5, Delta T = 11.26 sec
Ecliptic obliquity = 23°28'41, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°42'50, Lahiri = 19°49'51Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1711
geocentric

SEPTEMBER 1711

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 37 55	7 ^h 48'04"	21 ^h 46'	23 ^h 21'	24 ^h 00'	24 ^h 43'	23 ^h 49'	8 ^h 23'	2 ^h 55'	2 ^h 20'	0 ^h 29'	3 ^h 08'	1 ^h 46'	21 ^h 10'	4 ^h 50'	T 1
W 2	22 41 52	8 ^h 46'14"	3 ^h 50'	24 ^h 59'	24 ^h 59'	25 ^h 23'	23 ^h 51'	8 ^h 30'	2 ^h 59'	2 ^h 19'	0 ^h 31'	3 ^h 42'	1 ^h 42'	21 ^h 16'	4 ^h 48'	W 2
T 3	22 45 48	9 ^h 44'26"	15 ^h 47'	26 ^h 35'	25 ^h 58'	26 ^h 03'	23 ^h 53'	8 ^h 37'	3 ^h 02'	2 ^h 18'	0 ^h 33'	2 ^h 58'	1 ^h 39'	21 ^h 23'	4 ^h 45'	T 3
F 4	22 49 45	10 ^h 42'40"	27 ^h 39'	28 ^h 10'	26 ^h 56'	26 ^h 42'	23 ^h 56'	8 ^h 44'	3 ^h 06'	2 ^h 17'	0 ^h 35'	2 ^h 56'	1 ^h 36'	21 ^h 30'	4 ^h 43'	F 4
S 5	22 53 41	11 ^h 40'56"	9 ^h 32'	29 ^h 45'	27 ^h 54'	27 ^h 22'	23 ^h 58'	8 ^h 51'	3 ^h 10'	2 ^h 16'	0 ^h 37'	2 ^h 55'	1 ^h 33'	21 ^h 37'	4 ^h 40'	S 5
S 6	22 57 38	12 ^h 39'14"	21 ^h 29'	1 ^h 17'	28 ^h 51'	28 ^h 02'	24 ^h 01'	8 ^h 58'	3 ^h 14'	2 ^h 15'	0 ^h 39'	2 ^h 55'	1 ^h 30'	21 ^h 43'	4 ^h 38'	S 6
M 7	23 1 34	13 ^h 37'34"	3 ^h 37'	2 ^h 49'	29 ^h 48'	28 ^h 42'	24 ^h 04'	9 ^h 05'	3 ^h 17'	2 ^h 14'	0 ^h 41'	2 ^h 56'	1 ^h 27'	21 ^h 50'	4 ^h 36'	M 7
T 8	23 5 31	14 ^h 35'57"	15 ^h 59'	4 ^h 20'	0 ^h 45'	29 ^h 22'	24 ^h 07'	9 ^h 11'	3 ^h 21'	2 ^h 13'	0 ^h 43'	2 ^h 58'	1 ^h 23'	21 ^h 57'	4 ^h 33'	T 8
W 9	23 9 28	15 ^h 34'21"	28 ^h 40'	5 ^h 49'	1 ^h 41'	0 ^h 45'	24 ^h 11'	9 ^h 18'	3 ^h 25'	2 ^h 12'	0 ^h 45'	2 ^h 59'	1 ^h 20'	22 ^h 03'	4 ^h 31'	W 9
T 10	23 13 24	16 ^h 32'47"	11 ^h 44'	7 ^h 18'	2 ^h 37'	0 ^h 42'	24 ^h 14'	9 ^h 25'	3 ^h 28'	2 ^h 11'	0 ^h 47'	2 ^h 58'	1 ^h 17'	22 ^h 10'	4 ^h 29'	T 10
F 11	23 17 21	17 ^h 31'16"	25 ^h 12'	8 ^h 45'	3 ^h 32'	1 ^h 23'	24 ^h 18'	9 ^h 32'	3 ^h 32'	2 ^h 10'	0 ^h 49'	2 ^h 56'	1 ^h 14'	22 ^h 17'	4 ^h 27'	F 11
S 12	23 21 17	18 ^h 29'46"	9 ^h 32'	10 ^h 11'	4 ^h 26'	2 ^h 03'	24 ^h 22'	9 ^h 38'	3 ^h 36'	2 ^h 09'	0 ^h 51'	2 ^h 52'	1 ^h 11'	22 ^h 24'	4 ^h 25'	S 12
S 13	23 25 14	19 ^h 28'19"	23 ^h 16'	11 ^h 36'	5 ^h 21'	2 ^h 44'	24 ^h 26'	9 ^h 45'	3 ^h 39'	2 ^h 08'	0 ^h 53'	2 ^h 46'	1 ^h 07'	22 ^h 30'	4 ^h 23'	S 13
M14	23 29 10	20 ^h 26'53"	7 ^h 45'	12 ^h 59'	6 ^h 14'	3 ^h 24'	24 ^h 30'	9 ^h 51'	3 ^h 43'	2 ^h 07'	0 ^h 55'	2 ^h 39'	1 ^h 04'	22 ^h 37'	4 ^h 21'	M14
T 15	23 33 7	21 ^h 25'29"	22 ^h 23'	14 ^h 22'	7 ^h 07'	4 ^h 05'	24 ^h 35'	9 ^h 58'	3 ^h 47'	2 ^h 06'	0 ^h 57'	2 ^h 31'	1 ^h 01'	22 ^h 44'	4 ^h 19'	T 15
W16	23 37 3	22 ^h 24'07"	7 ^h 32'	15 ^h 43'	8 ^h 00'	4 ^h 46'	24 ^h 39'	10 ^h 04'	3 ^h 50'	2 ^h 05'	0 ^h 59'	2 ^h 24'	0 ^h 58'	22 ^h 50'	4 ^h 17'	W16
T 17	23 41 0	23 ^h 22'46"	21 ^h 39'	17 ^h 02'	8 ^h 51'	5 ^h 26'	24 ^h 44'	10 ^h 11'	3 ^h 54'	2 ^h 03'	1 ^h 00'	2 ^h 19'	0 ^h 55'	22 ^h 57'	4 ^h 16'	T 17
F 18	23 44 56	24 ^h 21'28"	6 ^h 47'	18 ^h 21'	9 ^h 43'	6 ^h 07'	24 ^h 49'	10 ^h 17'	3 ^h 58'	2 ^h 02'	1 ^h 02'	2 ^h 15'	0 ^h 52'	23 ^h 04'	4 ^h 14'	F 18
S 19	23 48 53	25 ^h 20'11"	20 ^h 16'	19 ^h 37'	10 ^h 33'	6 ^h 48'	24 ^h 54'	10 ^h 23'	4 ^h 01'	2 ^h 01'	1 ^h 04'	2 ^h 01'	0 ^h 48'	23 ^h 11'	4 ^h 12'	S 19
S 20	23 52 50	26 ^h 18'56"	4 ^h 13'	20 ^h 53'	11 ^h 23'	7 ^h 29'	24 ^h 59'	10 ^h 29'	4 ^h 05'	2 ^h 00'	1 ^h 06'	2 ^h 14'	0 ^h 45'	23 ^h 17'	4 ^h 11'	S 20
M21	23 56 46	27 ^h 17'42"	17 ^h 54'	22 ^h 07'	12 ^h 12'	8 ^h 10'	25 ^h 05'	10 ^h 36'	4 ^h 08'	1 ^h 58'	1 ^h 08'	2 ^h 15'	0 ^h 42'	23 ^h 24'	4 ^h 09'	M21
T 22	0 0 43	28 ^h 16'30"	1 ^h 42'	23 ^h 19'	13 ^h 00'	8 ^h 51'	25 ^h 11'	10 ^h 42'	4 ^h 12'	1 ^h 57'	1 ^h 10'	2 ^h 15'	0 ^h 39'	23 ^h 31'	4 ^h 08'	T 22
W23	0 4 39	29 ^h 15'20"	14 ^h 35'	24 ^h 29'	13 ^h 48'	9 ^h 33'	25 ^h 16'	10 ^h 48'	4 ^h 15'	1 ^h 56'	1 ^h 12'	2 ^h 15'	0 ^h 36'	23 ^h 37'	4 ^h 06'	W23
T 24	0 8 36	0 ^h 14'12"	27 ^h 37'	25 ^h 38'	14 ^h 34'	10 ^h 14'	25 ^h 22'	10 ^h 54'	4 ^h 19'	1 ^h 54'	1 ^h 13'	2 ^h 12'	0 ^h 32'	23 ^h 44'	4 ^h 05'	T 24
F 25	0 12 32	1 ^h 13'05"	10 ^h 47'	26 ^h 44'	15 ^h 20'	10 ^h 55'	25 ^h 28'	10 ^h 59'	4 ^h 22'	1 ^h 53'	1 ^h 15'	2 ^h 06'	0 ^h 29'	23 ^h 51'	4 ^h 04'	F 25
S 26	0 16 29	2 ^h 12'00"	23 ^h 06'	27 ^h 49'	16 ^h 05'	11 ^h 37'	25 ^h 35'	11 ^h 05'	4 ^h 26'	1 ^h 51'	1 ^h 17'	1 ^h 58'	0 ^h 26'	23 ^h 57'	4 ^h 02'	S 26
S 27	0 20 25	3 ^h 10'58"	5 ^h 35'	28 ^h 51'	16 ^h 49'	12 ^h 18'	25 ^h 41'	11 ^h 11'	4 ^h 29'	1 ^h 50'	1 ^h 19'	1 ^h 48'	0 ^h 23'	24 ^h 04'	4 ^h 01'	S 27
M28	0 24 22	4 ^h 09'57"	17 ^h 53'	29 ^h 51'	17 ^h 32'	13 ^h 00'	25 ^h 47'	11 ^h 17'	4 ^h 32'	1 ^h 49'	1 ^h 21'	1 ^h 37'	0 ^h 20'	24 ^h 11'	4 ^h 00'	M28
T 29	0 28 19	5 ^h 08'59"	0 ^h 42'	0 ^h 48'	18 ^h 14'	13 ^h 42'	25 ^h 54'	11 ^h 22'	4 ^h 36'	1 ^h 47'	1 ^h 22'	1 ^h 25'	0 ^h 17'	24 ^h 18'	3 ^h 59'	T 29
W30	0 32 15	6 ^h 08'02"	12 ^h 43'	1 ^h 42'	18 ^h 55'	14 ^h 23'	26 ^h 01'	11 ^h 28'	4 ^h 39'	1 ^h 46'	1 ^h 24'	1 ^h 23'	0 ^h 13'	24 ^h 24'	3 ^h 58'	W30

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
T 1	8n39	13n12	5n 5	3n 9	0n33	11s25	2s15	9s44	0s 9	23s16	0n 4	18n44	0n33	11n 7	0n43	10n36	1s49	22n15	11n44	19s29	19s48	22n45	11s56	7n22			
W 2	8 18	17 41	5 11	2 23	0 26	11 52	2 21	9 59	0 10	23 16	0 4	18 42	0 33	11 6	0 43	10 35	1 49	22 14	11 44	19 31	19 49	22 47	11 57	7 22			
T 3	7 56	21 25	5 3	1 39	0 18	12 19	2 27	10 14	0 10	23 16	0 4	18 41	0 34	11 5	0 43	10 35	1 49	22 14	11 44	19 32	19 49	22 48	11 57	7 21			
F 4	7 34	24 15	4 42	0 54	0 11	12 46	2 33	10 29	0 11	23 16	0 4	18 39	0 34	11 3	0 43	10 35	1 49	22 13	11 44	19 32	19 50	22 50	11 58	7 21			
S 5	7 12	26 2	4 10	0 10	0 4	13 13	2 39	10 44	0 12	23 17	0 4	18 37	0 34	11 2	0 43	10 34	1 49	22 12	11 44	19 32	19 51	22 52	11 59	7 21			
S 6	6 49	26 38	3 26	0s34	0s 4	13 39	2 45	10 59	0 13	23 17	0 4	18 35	0 34	11 1	0 43	10 34	1 49	22 12	11 44	19 32	19 52	22 53	12 0	7 20			
M 7	6 27	25 58	2 32	1 18	0 12	14 5	2 51	11 14	0 13	23 17	0 4	18 34	0 34	10 59	0 43	10 34	1 49	22 11	11 44	19 32	19 52	22 55	12 1	7 20			
T 8	6 4	24 1	1 31	2 1	0 19	14 31	2 57	11 29	0 14	23 17	0 3	18 32	0 34	10 58	0 43	10 33	1 49	22 11	11 45	19 32	19 53	22 56	12 2	7 20			
W 9	5 42	20 50	0 23	2 44	0 27	14 57	3 4	11 44	0 15	23 18	0 3	18 30	0 34	10 57	0 43	10 33	1 49	22 10	11 45	19 31	19 54	22 57	12 3	7 19			
T 10	5 19	16 32	0s47	3 26	0 35	15 22	3 10	11 59	0 15	23 18	0 3	18 29	0 34	10 55	0 43	10 32	1 49	22 9	11 45	19 32	19 54	22 59	12 4	7 19			
F 11	4 56	11 18	1 57	4 8	0 43	15 47	3 16	12 13	0 16	23 18	0 3	18 27	0 34	10 54	0 43	10 32	1 49	22 9	11 45	19 32	19 55	23 0	12 5	7 18			
S 12	4 33	5 22	3 2	4 49	0 51	16 11	3 22	12 28	0 17	23 19	0 3	18 25	0 35	10 53	0 43	10 32	1 49	22 8	11 45	19 33	19 56	23 2	12 5	7 18			
S 13	4 10	0s57	3 57	5 30	0 59	16 36	3 28	12 43	0 17	23 19	0 3	18 24	0 35	10 51	0 43	10 31	1 50	22 8	11 45	19 34	19 56	23 3	12 6	7 18			
M14	3 47	7 20	4 39	6 10	1 7	16 59	3 34	12 57	0 18	23 19	0 3	18 22	0 35	10 50	0 43	10 31	1 50	22 7	11 46	19 36	19 57	23 5	12 7	7 17			
T 15	3 24	13 23	5 2	6 49	1 15	17 23	3 41	13 12	0 19	23 19	0 3	18 20	0 35	10 49	0 43	10 30	1 50	22 7	11 46	19 38	19 58	23 6	12 8	7 17			
W16	3 1	18 42	5 6	7 28	1 23	17 46	3 47	13 26	0 20	23 20	0 2	18 19	0 35	10 47	0 43	10 30	1 50	22 6	11 46	19 39	19 59	23 8	12 9	7 16			
T 17	2 38	22 52	4 50	8 6	1 31	18 9	3 53	13 40	0 20	23 20	0 2	18 17	0 35	10 46	0 43	10 29	1 50	22 6	11 46	19 41	19 59	23 9	12 10	7 16			
F 18	2 15	25 33	4 15	8 43	1 38	18 31	3 59	13 55	0 21	23 20	0 2	18 16	0 35	10 45	0 43	10 29	1 50	22 5	11 46	19 41	20 0	23 11	12 10	7 16			
S 19	1 51	26 32	3 26	9 20	1 46	18 53	4 5	14 9	0 21	23 21	0 2	18 14	0 35	10 44	0 43	10 28	1 50	22 5	11 47	19 42	20 1	23 12	12 11	7 15			
S 20	1 28	25 49	2 25	9 55	1 54	19 15	4 11	14 23	0 22	23 21	0 2	18 13	0 36	10 42	0 43	10 28	1 50	22 4	11 47	19 42	20 1	23 13	12 12	7 15			
M21	1 5	23 32	1 16	10 30	2 1	19 36	4 17	14 37	0 23	23 21	0 2	18 11	0 36	10 41	0 44	10 28	1 50	22 4	11 47	19 42	20 2	23 15	12 13	7 14			
T 22	0 41	19 58	0 5	11 4	2 9	19 56	4 23	14 51	0 23	23 22	0 2	18 9	0 36	10 40	0 44	10 27	1 50	22 3	11 47	19 41	20 3	23 16	12 14	7 14			
W23	0 18	15 26	1n 6	11 37	2 16	20 17	4 29	15 4	0 24	23 22	0 2	18 8	0 36	10 38	0 44	10 27	1 50	22 3	11 47	19 42	20 3	23 18	12 14	7 13			
T24	0s 6	10 16	2 11	12 8	2 23	20 36	4 35	15 18	0 25	23 22	0 1	18 6	0 36	10 37	0 44	10 26	1 50	22 2	11 48	19 42	20 4	23 19	12 15	7 13			
F 25	0 29	4 45	3 9	12 39	2 30	20 56	4 40	15 32	0 25	23 23	0 1	18 5	0 36	10 36	0 44	10 26	1 50	22 2	11 48	19 43	20 5	23 20	12 16	7 12			
S 26	0 53	0n53	3 57	13 9	2 36	21 14	4 46	15 45	0 26	23 23	0 1	18 3	0 36	10 35	0 44	10 25	1 50	22 1	11 48	19 45	20 5	23 22	12 17	7 12			
S 27	1 16	6 23	4 32	13 37	2 43	21 33	4 52	15 59	0 27	23 23	0 1	18 2	0 37	10 34	0 44	10 25	1 50	22 1	11 48	19 47	20 6	23 23	12 17	7 11			
M28	1 40	11 33	4 54	14 4	2 49	21 51	4 57	16 12	0 27	23 24	0 1	18 1	0 37	10 32	0 44	10 24	1 50	22 1	11 49	19 50	20 7	23 24	12 18	7 11			
T 29	2 3	16 13	5 2	14 30	2 55	22 8	5 3	16 25	0 28	23 24	0 1	17 59	0 37	10 31	0 44	10 23	1 50	22 0	11 49	19 53	20 7	23 26	12 19	7 10			
W30	2s26	20n11	4n57	14s54	3s 0	22s25	5s 8	16s38	0s28	23s24	0n 1	17n58	0n37	10n30	0n44	10n23	1s50	22n 0	11n49	19s55	20s 8	23n27	12s19	7n10			

ASTRODIENST EPHEMERIS for the year 1711
geocentric

OCTOBER 1711

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	0 36 12	7♌ 7'08	23♊57	2♊33	19♋35	15♌ 5	26♌ 8	11♎33	4♏43	1♐44	1♑26	1♒ 4	0♓10	24♈31	3♉57	T 1
F 2	0 40 8	8° 6'17	5♊47	3°21	20°14	15°47	26°15	11°39	4°46	1♐43	1°27	0♓57	0° 7	24°38	3♓57	F 2
S 3	0 44 5	9° 5'27	17°37	4° 5	20°52	16°29	26°22	11°44	4°49	1°41	1°29	0°52	0° 4	24°44	3°56	S 3
S 4	0 48 1	10° 4'40	29°32	4°44	21°29	17°11	26°30	11°49	4°52	1°40	1°31	0°50	0° 1	24°51	3°55	S 4
M 5	0 51 58	11° 3'55	11♊36	5°20	22° 4	17°53	26°37	11°55	4°56	1°38	1°32	0°D49	29♊58	24°58	3°55	M 5
T 6	0 55 54	12° 3'13	23°55	5°50	22°38	18°36	26°45	12° 0	4°59	1°37	1°34	0°R49	29°54	25° 5	3°54	T 6
W 7	0 59 51	13° 2'32	6♊34	6°15	23°10	19°18	26°53	12° 5	5° 2	1°35	1°36	0°49	29°51	25°11	3°54	W 7
T 8	1 3 48	14° 1'54	19°38	6°35	23°42	20° 0	27° 1	12°10	5° 5	1°33	1°37	0°48	29°48	25°18	3°53	T 8
F 9	1 7 44	15° 1'19	3♊9	6°48	24°11	20°43	27° 9	12°15	5° 8	1°32	1°39	0°44	29°45	25°25	3°53	F 9
S 10	1 11 41	16° 0'45	17° 9	6°R54	24°40	21°25	27°17	12°20	5°11	1°30	1°40	0°38	29°42	25°31	3°53	S 10
S 11	1 15 37	17° 0'14	1♊35	6°53	25° 6	22° 8	27°26	12°24	5°14	1°29	1°42	0°29	29°38	25°38	3°52	S 11
M12	1 19 34	17°59'45	16°24	6°45	25°31	22°50	27°34	12°29	5°17	1°27	1°43	0°19	29°35	25°45	3°52	M12
T 13	1 23 30	18°59'18	1♊26	6°28	25°55	23°33	27°43	12°33	5°20	1°25	1°45	0° 7	29°32	25°52	3°D52	T 13
W14	1 27 27	19°58'53	16°31	6° 2	26°16	24°16	27°52	12°38	5°23	1°24	1°46	29♊56	29°29	25°58	3°52	W14
T 15	1 31 23	20°58'30	1♊30	5°28	26°36	24°59	28° 1	12°42	5°26	1°22	1°48	29°48	29°26	26° 5	3°52	T 15
F 16	1 35 20	21°58'09	16°14	4°46	26°54	25°42	28°10	12°47	5°29	1°20	1°49	29°41	29°23	26°12	3°52	F 16
S 17	1 39 17	22°57'49	0♊38	3°55	27°10	26°25	28°19	12°51	5°32	1°19	1°51	29°38	29°19	26°18	3°53	S 17
S 18	1 43 13	23°57'32	14°39	2°56	27°24	27° 8	28°28	12°55	5°35	1°17	1°52	29°37	29°16	26°25	3°53	S 18
M19	1 47 10	24°57'16	28°18	1°51	27°36	27°51	28°38	12°59	5°38	1°15	1°53	29°36	29°13	26°32	3°53	M19
T 20	1 51 6	25°57'01	11♊36	0°40	27°45	28°34	28°47	13° 3	5°40	1°14	1°55	29°36	29°10	26°39	3°54	T 20
W21	1 55 3	26°56'48	24°37	29♊26	27°53	29°17	28°57	13° 7	5°43	1°12	1°56	29°34	29° 7	26°45	3°54	W21
T 22	1 58 59	27°56'37	7♊22	28°10	27°58	0♊ 1	29° 6	13°11	5°46	1°10	1°57	29°30	29° 4	26°52	3°55	T 22
F 23	2 2 56	28°56'28	19°56	26°54	28° 1	0°44	29°16	13°14	5°48	1° 9	1°59	29°23	29° 0	26°59	3°56	F 23
S 24	2 6 52	29°56'20	2♊19	25°42	28°R 1	1°28	29°26	13°18	5°51	1° 7	2° 0	29°13	28°57	27° 5	3°56	S 24
S 25	2 10 49	0♊56'15	14°33	24°34	27°59	2°11	29°36	13°21	5°53	1° 5	2° 1	29° 1	28°54	27°12	3°57	S 25
M26	2 14 46	1°56'11	26°41	23°34	27°55	2°55	29°46	13°25	5°56	1° 4	2° 2	28°47	28°51	27°19	3°58	M26
T 27	2 18 42	2°56'09	8♊42	22°43	27°48	3°38	29°57	13°28	5°58	1° 2	2° 4	28°32	28°48	27°25	3°59	T 27
W28	2 22 39	3°56'09	20°37	22° 3	27°39	4°22	0♊ 7	13°31	6° 1	1° 0	2° 5	28°18	28°44	27°32	4° 0	W28
T 29	2 26 35	4°56'11	2♊29	21°33	27°27	5° 6	0°18	13°34	6° 3	0°58	2° 6	28° 6	28°41	27°39	4° 1	T 29
F 30	2 30 32	5°56'15	14°18	21°15	27°13	5°50	0°28	13°37	6° 6	0°57	2° 7	27°56	28°38	27°46	4° 2	F 30
S 31	2 34 28	6♊56'21	26♊ 8	21°D 8	26♊57	6♊34	0♊39	13♊40	6♊ 8	0♊55	2♊ 8	27♊50	28♊35	27♊52	4♊ 3	S 31

Day	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	2s50	23n18	4n39	15s16	3s 5	22s41	5s13	16s51	0s29	23s25	0n 1	17n56	0n37	10n29
F 2	3 13	25 23	4 9	15 37	3 10	22 57	5 19	17 4	0 30	23 25	0 1	17 55	0 37	10 27
S 3	3 37	26 21	3 28	15 56	3 14	23 12	5 24	17 17	0 30	23 25	0 0	17 54	0 37	10 26
S 4	4 0	26 7	2 38	16 13	3 17	23 26	5 29	17 29	0 31	23 26	0 0	17 52	0 38	10 25
M 5	4 23	24 38	1 40	16 27	3 20	23 40	5 33	17 42	0 32	23 26	0 0	17 51	0 38	10 24
T 6	4 46	21 57	0 37	16 40	3 22	23 54	5 38	17 54	0 32	23 26	0 0	17 50	0 38	10 23
W 7	5 9	18 10	0s30	16 49	3 23	24 7	5 42	18 6	0 33	23 27	0s 0	17 48	0 38	10 22
T 8	5 33	13 24	1 38	16 56	3 24	24 19	5 47	18 18	0 33	23 27	0 0	17 47	0 38	10 21
F 9	5 56	7 51	2 42	17 0	3 23	24 31	5 51	18 30	0 34	23 27	0 0	17 46	0 38	10 19
S 10	6 19	1 43	3 39	17 1	3 21	24 41	5 55	18 42	0 34	23 27	0 0	17 45	0 38	10 18
S 11	6 41	4s40	4 24	16 57	3 19	24 52	5 58	18 54	0 35	23 28	0 0	17 44	0 39	10 17
M12	7 4	10 57	4 52	16 51	3 14	25 1	6 2	19 5	0 36	23 28	0 1	17 42	0 39	10 16
T 13	7 27	16 41	5 0	16 39	3 8	25 10	6 5	19 16	0 36	23 28	0 1	17 41	0 39	10 15
W14	7 49	21 24	4 48	16 24	3 1	25 18	6 8	19 28	0 37	23 28	0 1	17 40	0 39	10 14
T 15	8 12	24 40	4 16	16 4	2 52	25 25	6 10	19 39	0 37	23 29	0 1	17 39	0 39	10 13
F 16	8 34	26 12	3 28	15 39	2 41	25 32	6 13	19 50	0 38	23 29	0 1	17 38	0 39	10 12
S 17	8 57	25 55	2 27	15 10	2 28	25 38	6 15	20 0	0 38	23 29	0 1	17 37	0 39	10 11
S 18	9 19	23 58	1 18	14 36	2 14	25 43	6 16	20 11	0 39	23 29	0 1	17 36	0 40	10 10
M19	9 41	20 39	0 7	13 59	1 58	25 47	6 18	20 21	0 39	23 30	0 1	17 35	0 40	10 9
T 20	10 2	16 19	1n 3	13 17	1 40	25 50	6 19	20 31	0 40	23 30	0 1	17 34	0 40	10 8
W21	10 24	11 20	2 8	12 33	1 21	25 52	6 19	20 41	0 40	23 30	0 2	17 33	0 40	10 7
T 22	10 46	5 57	3 5	11 47	1 1	25 53	6 19	20 51	0 41	23 30	0 2	17 32	0 40	10 6
F 23	11 7	0 26	3 52	11 1	0 40	25 54	6 19	21 1	0 42	23 30	0 2	17 31	0 40	10 5
S 24	11 28	5n 1	4 28	10 15	0 20	25 53	6 18	21 10	0 42	23 30	0 2	17 30	0 41	10 4
S 25	11 49	10 12	4 50	9 32	0n 1	25 51	6 16	21 20	0 43	23 31	0 2	17 29	0 41	10 3
M26	12 10	14 57	4 59	8 51	0 20	25 48	6 14	21 29	0 43	23 31	0 2	17 29	0 41	10 2
T 27	12 31	19 4	4 55	8 15	0 39	25 44	6 12	21 38	0 44	23 31	0 2	17 28	0 41	10 1
W28	12 51	22 23	4 37	7 44	0 56	25 39	6 9	21 46	0 44	23 31	0 2	17 27	0 41	10 0
T 29	13 11	24 44	4 8	7 18	1 12	25 32	6 5	21 55	0 45	23 31	0 2	17 26	0 41	10 0
F 30	13 31	26 0	3 28	6 58	1 26	25 25	6 0	22 3	0 45	23 31	0 2	17 26	0 42	9 59
S 31	13s51	26n 4	2n39	6s45	1n38	25s16	5s55	22s11	0s46	23s31	0s 3	17n25	0n42	9n58

Julian Day Number = 2346262.5, Delta T = 11.23 sec
Ecliptic obliquity = 23°28'42", Nutation = 0°00'14", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°42'59", Lahiri = 19°49'59"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1711
geocentric

NOVEMBER 1711

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	2 38 25	7♏56'29	8♏ 2	21♏13	26°R38	7♏18	0♏50	13♏43	6♏10	0°R53	2♏ 9	27°R46	28♏32	27♏59	4≈ 5	S 1
M 2	2 42 21	8°56'39	20° 5	21°28	26♏17	8° 2	1° 1	13°46	6°12	0♏52	2°10	27♏45	28°29	28° 6	4° 6	M 2
T 3	2 46 18	9°56'52	2♏20	21°54	25°54	8°46	1°12	13°48	6°14	0°50	2°11	27°D44	28°25	28°12	4° 7	T 3
W 4	2 50 15	10°57'06	14°54	22°29	25°29	9°30	1°23	13°51	6°17	0°48	2°12	27°R44	28°22	28°19	4° 9	W 4
T 5	2 54 11	11°57'22	27°52	23°12	25° 1	10°14	1°34	13°53	6°19	0°47	2°13	27°43	28°19	28°26	4°10	T 5
F 6	2 58 8	12°57'40	11♏17	24° 2	24°32	10°59	1°45	13°55	6°21	0°45	2°14	27°41	28°16	28°33	4°12	F 6
S 7	3 2 4	13°58'01	25°12	25° 0	24° 2	11°43	1°57	13°57	6°23	0°44	2°15	27°35	28°13	28°39	4°14	S 7
S 8	3 6 1	14°58'23	9♏37	26° 2	23°30	12°27	2° 8	13°59	6°25	0°42	2°15	27°27	28° 9	28°46	4°15	S 8
M 9	3 9 57	15°58'47	24°29	27°10	22°56	13°12	2°20	14° 1	6°26	0°40	2°16	27°17	28° 6	28°53	4°17	M 9
T 10	3 13 54	16°59'13	9♏39	28°23	22°22	13°57	2°31	14° 3	6°28	0°39	2°17	27° 6	28° 3	28°59	4°19	T 10
W11	3 17 50	17°59'41	24°58	29°38	21°47	14°41	2°43	14° 5	6°30	0°37	2°18	26°56	28° 0	29° 6	4°21	W11
T 12	3 21 47	19° 0'10	10♏14	0♏58	21°11	15°26	2°55	14° 7	6°32	0°35	2°19	26°47	27°57	29°13	4°23	T 12
F 13	3 25 44	20° 0'41	25°16	2°19	20°34	16°11	3° 7	14° 8	6°33	0°34	2°19	26°41	27°54	29°19	4°25	F 13
S 14	3 29 40	21° 1'14	9♏57	3°43	19°58	16°55	3°19	14° 9	6°35	0°32	2°20	26°38	27°50	29°26	4°27	S 14
S 15	3 33 37	22° 1'47	24°12	5° 9	19°22	17°40	3°31	14°11	6°37	0°31	2°21	26°D37	27°47	29°33	4°29	S 15
M16	3 37 33	23° 2'22	7≈59	6°36	18°46	18°25	3°43	14°12	6°38	0°29	2°21	26°37	27°44	29°40	4°32	M16
T 17	3 41 30	24° 2'58	21°21	8° 5	18°10	19°10	3°55	14°13	6°40	0°28	2°22	26°R37	27°41	29°46	4°34	T 17
W18	3 45 26	25° 3'35	4♏19	9°35	17°36	19°55	4° 7	14°14	6°41	0°26	2°22	26°37	27°38	29°53	4°36	W18
T 19	3 49 23	26° 4'13	16°59	11° 5	17° 3	20°40	4°19	14°15	6°42	0°25	2°23	26°35	27°35	29°59	4°39	T 19
F 20	3 53 19	27° 4'53	29°23	12°37	16°31	21°26	4°32	14°15	6°44	0°23	2°23	26°30	27°31	0♏ 6	4°41	F 20
S 21	3 57 16	28° 5'33	11♏36	14° 8	16° 0	22°11	4°44	14°16	6°45	0°22	2°24	26°23	27°28	0°13	4°44	S 21
S 22	4 1 13	29° 6'15	23°41	15°41	15°31	22°56	4°57	14°17	6°46	0°20	2°24	26°13	27°25	0°20	4°46	S 22
M23	4 5 9	0♏6'58	5♏39	17°13	15° 4	23°41	5° 9	14°17	6°47	0°19	2°25	26° 2	27°22	0°26	4°49	M23
T 24	4 9 6	1° 7'42	17°33	18°46	14°39	24°27	5°22	14°17	6°48	0°18	2°25	25°51	27°19	0°33	4°52	T 24
W25	4 13 2	2° 8'28	29°25	20°20	14°16	25°12	5°35	14°17	6°49	0°16	2°25	25°40	27°15	0°40	4°55	W25
T 26	4 16 59	3° 9'15	11♏16	21°53	13°56	25°58	5°47	14°R17	6°50	0°15	2°26	25°31	27°12	0°47	4°58	T 26
F 27	4 20 55	4°10'03	23° 8	23°26	13°37	26°43	6° 0	14°17	6°51	0°13	2°26	25°24	27° 9	0°53	5° 0	F 27
S 28	4 24 52	5°10'52	5♏ 2	25° 0	13°21	27°29	6°13	14°17	6°52	0°12	2°26	25°19	27° 6	1° 0	5° 3	S 28
S 29	4 28 48	6°11'43	17° 1	26°34	13° 8	28°14	6°26	14°17	6°53	0°11	2°26	25°16	27° 3	1° 7	5° 6	S 29
M30	4 32 45	7♏12'35	29♏ 8	28♏ 7	12♏57	29♏ 0	6♏39	14♏17	6♏54	0♏10	2♏26	25°D16	27♏ 0	1♏13	5≈ 9	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	14s11	24n56	1n42	6s37	1n49	25s 6	5s50	22s19	0s46	23s31	0s 3	17n24	0n42	9n57	0n45	10n 5	1s51	21n53	12n 0	20s38	20s29	24n 6	12s34	6n54	
M 2	14 30	22 38	0 40	6 35	1 57	24 54	5 43	22 27	0 46	23 31	0 3	17 24	0 42	9 57	0 45	10 4	1 51	21 53	12 0	20 39	20 30	24 8	12 34	6 53	
T 3	14 49	19 16	0s24	6 38	2 4	24 42	5 36	22 34	0 47	23 31	0 3	17 23	0 42	9 56	0 45	10 3	1 51	21 53	12 1	20 39	20 31	24 9	12 34	6 53	
W 4	15 8	14 58	1 30	6 46	2 9	24 28	5 28	22 42	0 47	23 31	0 3	17 23	0 42	9 55	0 45	10 3	1 50	21 53	12 1	20 39	20 32	24 10	12 34	6 52	
T 5	15 27	9 51	2 32	6 58	2 13	24 13	5 19	22 49	0 48	23 31	0 3	17 22	0 43	9 54	0 45	10 2	1 50	21 53	12 1	20 39	20 31	24 11	12 34	6 52	
F 6	15 45	4 7	3 29	7 14	2 16	23 56	5 10	22 55	0 48	23 31	0 3	17 22	0 43	9 54	0 45	10 2	1 50	21 53	12 2	20 40	20 33	24 12	12 34	6 51	
S 7	16 3	2s 0	4 15	7 34	2 17	23 39	5 0	23 2	0 49	23 31	0 3	17 21	0 43	9 53	0 45	10 1	1 50	21 53	12 2	20 41	20 33	24 13	12 35	6 51	
S 8	16 21	8 13	4 48	7 57	2 17	23 20	4 49	23 8	0 49	23 31	0 3	17 21	0 43	9 52	0 45	10 1	1 50	21 53	12 3	20 42	20 34	24 14	12 35	6 50	
M 9	16 39	14 10	5 1	8 22	2 16	23 1	4 38	23 14	0 50	23 31	0 3	17 20	0 43	9 52	0 45	10 0	1 50	21 53	12 3	20 44	20 34	24 15	12 35	6 50	
T 10	16 56	19 23	4 55	8 49	2 14	22 40	4 26	23 20	0 50	23 31	0 4	17 20	0 43	9 51	0 45	10 0	1 50	21 53	12 4	20 46	20 35	24 16	12 35	6 49	
W11	17 13	23 21	4 27	9 19	2 12	22 19	4 13	23 26	0 51	23 31	0 4	17 20	0 44	9 50	0 45	9 59	1 50	21 54	12 4	20 48	20 36	24 17	12 35	6 49	
T 12	17 30	25 39	3 40	9 49	2 8	21 57	4 0	23 31	0 51	23 30	0 4	17 19	0 44	9 50	0 45	9 58	1 50	21 54	12 4	20 50	20 36	24 18	12 35	6 48	
F 13	17 46	26 2	2 38	10 21	2 5	21 34	3 47	23 37	0 51	23 30	0 4	17 19	0 44	9 49	0 45	9 58	1 50	21 54	12 5	20 51	20 37	24 19	12 35	6 48	
S 14	18 2	24 33	1 27	10 54	2 0	21 10	3 32	23 42	0 52	23 30	0 4	17 19	0 44	9 49	0 45	9 57	1 50	21 54	12 5	20 52	20 38	24 21	12 35	6 47	
S 15	18 18	21 31	0 13	11 27	1 55	20 46	3 18	23 46	0 52	23 30	0 4	17 19	0 44	9 48	0 45	9 57	1 50	21 54	12 6	20 52	20 38	24 22	12 35	6 47	
M16	18 34	17 20	1n 0	12 1	1 50	20 22	3 3	23 51	0 53	23 30	0 4	17 18	0 45	9 47	0 45	9 56	1 50	21 54	12 6	20 52	20 39	24 23	12 35	6 46	
T 17	18 49	12 23	2 8	12 35	1 45	19 57	2 48	23 55	0 53	23 29	0 4	17 18	0 45	9 47	0 45	9 56	1 50	21 54	12 7	20 52	20 40	24 24	12 35	6 46	
W18	19 4	7 2	3 7	13 9	1 39	19 33	2 33	23 59	0 53	23 29	0 4	17 18	0 45	9 47	0 45	9 55	1 50	21 55	12 7	20 52	20 40	24 25	12 34	6 45	
T 19	19 18	1 32	3 55	13 43	1 32	19 9	2 17	24 3	0 54	23 29	0 4	17 18	0 45	9 46	0 45	9 55	1 50	21 55	12 7	20 52	20 41	24 26	12 34	6 45	
F 20	19 32	3n54	4 31	14 17	1 26	18 44	2 2	24 6	0 54	23 28	0 4	17 18	0 45	9 46	0 45	9 54	1 50	21 55	12 8	20 53	20 41	24 27	12 34	6 45	
S 21	19 46	9 7	4 54	14 51	1 20	18 21	1 46	24 9	0 54	23 28	0 5	17 18	0 45	9 45	0 45	9 54	1 50	21 55	12 8	20 55	20 42	24 28	12 34	6 44	
S 22	19 59	13 55	5 4	15 24	1 13	17 57	1 31	24 12	0 55	23 28	0 5	17 18	0 46	9 45	0 46	9 53	1 50	21 56	12 9	20 56	20 43	24 29	12 34	6 44	
M23	20 12	18 8	5 0	15 57	1 6	17 35	1 15	24 15	0 55	23 27	0 5	17 18	0 46	9 44	0 46	9 53	1 50	21 56	12 9	20 58	20 43	24 30	12 34	6 43	
T 24	20 25	21 37	4 43	16 29	0 59	17 13	1 0	24 17	0 56	23 27	0 5	17 18	0 46	9 44	0 46	9 52	1 50	21 56	12 10	21 1	20 44	24 31	12 33	6 43	
W25	20 37	24 11	4 14	17 1	0 52	16 52	0 45	24 19	0 56	23 27	0 5	17 18	0 46	9 44	0 46	9 52	1 50	21 56	12 10	21 3	20 44	24 31	12 33	6 42	
T 26	20 49	25 42	3 34	17 32	0 45	16 31	0 30	24 21	0 56	23 26	0 5	17 18	0 46	9 43	0 46	9 52	1 50	21 57	12 10	21 4	20 45	24 32	12 33	6 42	
F 27	21 1	26 2	2 44	18 3	0 38	16 12	0 15	24 23	0 57	23 26	0 5	17 19	0 46	9 43	0 46	9 51	1 50	21 57	12 11	21 6	20 46	24 33	12 33	6 42	
S 28	21 12	25 10	1 47	18 33	0 31	15 54	0 1	24 24	0 57	23 25	0 5	17 19	0 47	9 43	0 46	9 51	1 50	21 57	12 11	21 7	20 46	24 34	12 32	6 41	
S 29	21 23	23 8	0 44	19 2	0 24	15 36	0n13	24 25	0 57	23 25	0 5	17 19	0 47	9 42	0 46	9 50	1 50	21 58	12 12	21 7	20 47	24 35	12 32	6 41	
M30	21s33	20n 2	0s21	19s30	0n17	15s20	0n26	24s26	0s58	23s24	0s 5	17n19	0n47	9n42	0n46	9n50	1s50	21n58	12n12	21s 7	20s48	24n36	12s32	6n40	

ASTRODIENST EPHEMERIS for the year 1711
geocentric

DECEMBER 1711

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	4 36 42	8♌13'28	11♋26	29♊41	12♏48	29♌46	6♎52	14♏16	6♐54	0°R 8	2♐27	25♎17	26♏56	1♐20	5♏13	T 1
W 2	4 40 38	9°14'23	24° 0	1♌15	12♊42	0♎31	7° 5	14♋15	6°55	0♏ 7	2°27	25°19	26°53	1°27	5°16	W 2
T 3	4 44 35	10°15'18	6♐54	2°48	12°39	1°17	7°18	14°15	6°56	0° 6	2°27	25°R19	26°50	1°33	5°19	T 3
F 4	4 48 31	11°16'15	20°11	4°22	12°D38	2° 3	7°32	14°14	6°56	0° 5	2°27	25°19	26°47	1°40	5°22	F 4
S 5	4 52 28	12°17'14	3♌55	5°56	12°39	2°49	7°45	14°13	6°57	0° 4	2°R27	25°17	26°44	1°47	5°26	S 5
S 6	4 56 24	13°18'13	18° 7	7°30	12°43	3°35	7°58	14°12	6°57	0° 2	2°27	25°13	26°41	1°54	5°29	S 6
M 7	5 0 21	14°19'14	2♊45	9° 4	12°50	4°21	8°11	14°11	6°58	0° 1	2°27	25° 8	26°37	2° 0	5°32	M 7
T 8	5 4 17	15°20'16	17°45	10°38	12°58	5° 7	8°25	14° 9	6°58	0° 0	2°27	25° 1	26°34	2° 7	5°36	T 8
W 9	5 8 14	16°21'19	2♌57	12°12	13° 9	5°53	8°38	14° 8	6°58	29°Y59	2°27	24°55	26°31	2°14	5°39	W 9
T 10	5 12 11	17°22'23	18°13	13°46	13°22	6°39	8°52	14° 6	6°58	29°58	2°26	24°50	26°28	2°20	5°43	T 10
F 11	5 16 7	18°23'28	3♎21	15°20	13°37	7°26	9° 5	14° 5	6°58	29°57	2°26	24°47	26°25	2°27	5°47	F 11
S 12	5 20 4	19°24'33	18°12	16°54	13°54	8°12	9°19	14° 3	6°59	29°56	2°26	24°D45	26°21	2°34	5°50	S 12
S 13	5 24 0	20°25'39	2♌39	18°28	14°13	8°58	9°32	14° 1	6°R59	29°55	2°26	24°45	26°18	2°40	5°54	S 13
M14	5 27 57	21°26'45	16°39	20° 3	14°35	9°45	9°46	13°59	6°59	29°54	2°26	24°46	26°15	2°47	5°58	M14
T 15	5 31 53	22°27'52	0♊11	21°37	14°58	10°31	10° 0	13°57	6°58	29°53	2°25	24°48	26°12	2°54	6° 1	T 15
W16	5 35 50	23°28'58	13°17	23°12	15°22	11°17	10°13	13°55	6°58	29°53	2°25	24°49	26° 9	3° 1	6° 5	W16
T 17	5 39 46	24°30'05	26° 0	24°47	15°49	12° 4	10°27	13°53	6°58	29°52	2°25	24°R50	26° 6	3° 7	6° 9	T 17
F 18	5 43 43	25°31'13	8°Y24	26°22	16°17	12°50	10°41	13°50	6°58	29°51	2°24	24°49	26° 2	3°14	6°13	F 18
S 19	5 47 40	26°32'20	20°34	27°57	16°47	13°37	10°54	13°48	6°58	29°50	2°24	24°47	25°59	3°21	6°17	S 19
S 20	5 51 36	27°33'28	2♎34	29°33	17°19	14°23	11° 8	13°45	6°57	29°49	2°23	24°43	25°56	3°27	6°21	S 20
M21	5 55 33	28°34'36	14°28	1♎ 9	17°52	15°10	11°22	13°43	6°57	29°49	2°23	24°39	25°53	3°34	6°25	M21
T 22	5 59 29	29°35'44	26°19	2°45	18°26	15°57	11°36	13°40	6°56	29°48	2°22	24°34	25°50	3°41	6°29	T 22
W23	6 3 26	0♎36'52	8♐11	9 421	19° 2	16°43	11°50	13°37	6°56	29°47	2°22	24°30	25°47	3°47	6°33	W23
T 24	6 7 12	1°38'01	20° 2	5°57	19°39	17°30	12° 4	13°34	6°55	29°47	2°21	24°26	25°43	3°54	6°37	T 24
F 25	6 11 29	2°39'09	1♎59	7°34	20°18	18°17	12°17	13°31	6°54	29°46	2°21	24°23	25°40	4° 1	6°41	F 25
S 26	6 15 16	3°40'18	14° 2	9°11	20°57	19° 3	12°31	13°28	6°54	29°46	2°20	24°22	25°37	4° 7	6°45	S 26
S 27	6 19 12	4°41'27	26°12	10°48	21°38	19°50	12°45	13°25	6°53	29°45	2°19	24°D21	25°34	4°14	6°50	S 27
M28	6 23 9	5°42'37	8♊31	12°26	22°20	20°37	12°59	13°22	6°52	29°45	2°19	24°22	25°31	4°21	6°54	M28
T 29	6 27 5	6°43'46	21° 1	14° 4	23° 4	21°24	13°13	13°18	6°51	29°44	2°18	24°23	25°27	4°28	6°58	T 29
W30	6 31 2	7°44'56	3♐45	15°41	23°48	22°11	13°27	13°15	6°50	29°44	2°17	24°24	25°24	4°34	7° 2	W30
T 31	6 34 58	8♎46'06	16♐45	17♎20	24♊33	22♎58	13♎41	13♋11	6♐50	29°Y43	2°17	24♎26	25♎21	4♐41	7♏ 7	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
T 1	21s43	16n 0	1s26	19s57	0n10	15s 5	0n39	24s27	0s58	23s23	0s 5	17n20	0n47	9n42	0n46	9n50	1s50	21n58	12n13	21s 7	20s48	24n37	12s31	6n40	
W 2	21 52	11 12	2 29	20 23	0 3	14 51	0 52	24 27	0 58	23 23	0 6	17 20	0 47	9 42	0 46	9 49	1 50	21 59	12 13	21 7	20 49	24 38	12 31	6 39	
T 3	22 1	5 48	3 26	20 49	0s 4	14 39	1 4	24 27	0 59	23 22	0 6	17 20	0 48	9 42	0 46	9 49	1 50	21 59	12 14	21 6	20 49	24 39	12 31	6 39	
F 4	22 10	0 0	4 14	21 13	0 11	14 27	1 16	24 27	0 59	23 22	0 6	17 21	0 48	9 41	0 46	9 48	1 50	21 59	12 14	21 6	20 50	24 40	12 30	6 39	
S 5	22 18	5s58	4 49	21 37	0 17	14 17	1 27	24 26	0 59	23 21	0 6	17 21	0 48	9 41	0 46	9 48	1 50	22 0	12 14	21 7	20 51	24 41	12 30	6 38	
S 6	22 26	11 51	5 7	21 59	0 24	14 8	1 38	24 25	0 59	23 20	0 6	17 22	0 48	9 41	0 46	9 48	1 50	22 0	12 15	21 8	20 51	24 42	12 29	6 38	
M 7	22 33	17 15	5 7	22 21	0 30	14 0	1 48	24 24	1 0	23 19	0 6	17 22	0 48	9 41	0 46	9 47	1 50	22 1	12 15	21 9	20 52	24 42	12 29	6 38	
T 8	22 40	21 43	4 46	22 41	0 37	13 53	1 58	24 23	1 0	23 19	0 6	17 23	0 48	9 41	0 46	9 47	1 50	22 1	12 16	21 10	20 52	24 43	12 29	6 37	
W 9	22 47	24 47	4 5	23 0	0 43	13 47	2 8	24 21	1 0	23 18	0 6	17 23	0 49	9 41	0 46	9 47	1 49	22 1	12 16	21 11	20 53	24 44	12 28	6 37	
T 10	22 53	26 2	3 6	23 18	0 49	13 42	2 17	24 19	1 0	23 17	0 6	17 24	0 49	9 41	0 46	9 46	1 49	22 2	12 17	21 12	20 54	24 45	12 28	6 37	
F 11	22 58	25 20	1 54	23 35	0 55	13 39	2 25	24 17	1 1	23 16	0 6	17 25	0 49	9 41	0 46	9 46	1 49	22 2	12 17	21 12	20 54	24 46	12 27	6 36	
S 12	23 3	22 50	0 36	23 51	1 1	13 36	2 33	24 14	1 1	23 15	0 6	17 25	0 49	9 41	0 46	9 46	1 49	22 3	12 17	21 13	20 55	24 47	12 27	6 36	
S 13	23 8	18 54	0n43	24 5	1 7	13 34	2 41	24 12	1 1	23 15	0 7	17 26	0 49	9 41	0 46	9 45	1 49	22 3	12 18	21 13	20 55	24 48	12 26	6 35	
M14	23 12	14 1	1 57	24 18	1 12	13 33	2 48	24 8	1 1	23 14	0 7	17 27	0 50	9 41	0 47	9 45	1 49	22 4	12 18	21 12	20 56	24 48	12 25	6 35	
T 15	23 16	8 35	3 2	24 30	1 18	13 33	2 55	24 5	1 2	23 13	0 7	17 28	0 50	9 41	0 47	9 45	1 49	22 4	12 19	21 12	20 57	24 49	12 25	6 35	
W16	23 19	2 58	3 35	24 41	1 23	13 34	3 2	24 2	1 2	23 12	0 7	17 28	0 50	9 41	0 47	9 45	1 49	22 5	12 19	21 12	20 57	24 50	12 24	6 34	
T 17	23 22	2n36	4 35	24 50	1 28	13 36	3 8	23 58	1 2	23 11	0 7	17 29	0 50	9 41	0 47	9 44	1 49	22 5	12 20	21 12	20 58	24 51	12 24	6 34	
F 18	23 24	7 56	5 1	24 58	1 32	13 39	3 13	23 53	1 2	23 10	0 7	17 30	0 50	9 41	0 47	9 44	1 49	22 6	12 20	21 12	20 58	24 52	12 23	6 34	
S 19	23 26	12 52	5 12	25 4	1 37	13 42	3 19	23 49	1 3	23 9	0 7	17 31	0 50	9 42	0 47	9 44	1 49	22 6	12 20	21 12	20 59	24 52	12 22	6 34	
S 20	23 27	17 14	5 10	25 10	1 41	13 46	3 24	23 44	1 3	23 8	0 7	17 32	0 51	9 42	0 47	9 44	1 49	22 7	12 21	21 13	21 0	24 53	12 22	6 33	
M21	23 28	20 54	4 55	25 13	1 45	13 51	3 28	23 39	1 3	23 7	0 7	17 33	0 51	9 42	0 47	9 44	1 49	22 8	12 21	21 14	21 0	24 54	12 21	6 33	
T 22	23 29	23 41	4 27	25 16	1 49	13 56	3 33	23 34	1 3	23 6	0 7	17 34	0 51	9 42	0 47	9 43	1 49	22 8	12 22	21 15	21 1	24 55	12 20	6 33	
W23	23 29	25 27	3 47	25 17	1 52	14 2	3 37	23 29	1 3	23 4	0 8	17 35	0 51	9 42	0 47	9 43	1 49	22 9	12 22	21 15	21 1	24 56	12 20	6 32	
T 24	23 28	26 4	2 58	25 16	1 55	14 8	3 40	23 23	1 3	23 3	0 8	17 36	0 51	9 43	0 47	9 43	1 49	22 9	12 22	21 16	21 2	24 56	12 19	6 32	
F 25	23 27	25 28	2 0	25 14	1 58	14 15	3 44	23 17	1 4	23 2	0 8	17 37	0 51	9 43	0 47	9 43	1 49	22 10	12 23	21 17	21 3	24 57	12 18	6 32	
S 26	23 26	23 41	0 57	25 10	2 1	14 23	3 47	23 10	1 4	23 1	0 8	17 38	0 52	9 43	0 47	9 43	1 49	22 10	12 23	21 17	21 3	24 58	12 17	6 32	
S 27	23 24	20 47	0s10	25 5	2 3	14 31	3 49	23 4	1 4	23 0	0 8	17 39	0 52	9 44	0 47	9 43	1 49	22 11	12 24	21 17	21 4	24 59	12 17	6 31	
M28	23 21	16 55	1 17	24 58	2 5	14 39	3 52	22 57	1 4	22 58	0 8	17 40	0 52	9 44	0 47	9 42	1 48	22 12	12 24	21 17	21 4	24 59	12 16	6 31	
T 29	23 18	12 16	2 22	24 50	2 6	14 48	3 54	22 50	1 4	22 57	0 8	17 41	0 52	9 44	0 47	9 42	1 48	22 12	12 24	21 17	21 5	25 0	12 15	6 31	
W30	23 15	7 1	3 21	24 40	2 7	14 57	3 56	22 42	1 4	22 56	0 8	17 42	0 52	9 45	0 47	9 42	1 48	22 13	12 25	21 16	21 6	25 1	12 14	6 31	
T 31	23s11	1n23	4s11	24s28	2s 8	15s 6	3n57	22s35	1s 5	22s55	0s 8	17n43	0n52	9n45	0n47	9n42	1s48	22n14	12n25	21s16	21s 6	25n 1	12s13	6n30	