



Astrodienst Ephemeris Tables for the year 1696

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 1696
geocentric

JANUARY 1696 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
S 1	6 42 22	10 ³ 41'26	19 ¹¹ 47	19 ¹⁷ 17	27 ¹¹ 20	11 ¹¹ 7	26 ¹¹ 51	17 ¹³ 15	20 ¹⁰ R10	23 ¹¹ 59	4 ¹⁰ R28	6 ¹¹ 13	4 ¹¹ 43	13 ¹⁰ 40	25 ¹⁰ R30	S 1
M 2	6 46 19	11 ¹ 42'37	3 ¹¹ 36	20 ¹⁰ 34	28 ¹⁰ 3	11 ¹ 15	26 ¹⁰ 53	17 ¹⁰ 22	20 ¹¹ 7	24 ¹⁰ 0	4 ¹⁰ 26	6 ¹⁰ R14	4 ¹⁰ 39	13 ¹⁰ 46	25 ¹⁰ 26	M 2
T 3	6 50 15	12 ¹ 43'48	17 ¹⁰ 33	21 ¹⁰ 53	28 ¹⁰ 47	11 ¹ 21	26 ¹⁰ 54	17 ¹⁰ 30	20 ¹⁰ 5	24 ¹⁰ 1	4 ¹⁰ 25	6 ¹⁰ 13	4 ¹⁰ 36	13 ¹⁰ 53	25 ¹⁰ 21	T 3
W 4	6 54 12	13 ¹ 45'00	2 ¹¹ 33	23 ¹⁰ 13	29 ¹⁰ 33	11 ¹ 27	26 ¹⁰ 56	17 ¹⁰ 37	20 ¹⁰ 3	24 ¹⁰ 2	4 ¹⁰ 24	6 ¹⁰ 11	4 ¹⁰ 33	14 ¹⁰ 0	25 ¹⁰ 17	W 4
T 5	6 58 8	14 ¹ 46'11	17 ¹⁰ 32	24 ¹⁰ 34	0 ¹¹ 19	11 ¹ 33	26 ¹⁰ 57	17 ¹⁰ 44	20 ¹⁰ 0	24 ¹⁰ 3	4 ¹⁰ 23	6 ¹⁰ 6	4 ¹⁰ 30	14 ¹⁰ 7	25 ¹⁰ 13	T 5
F 6	7 2 5	15 ¹ 47'22	2 ¹¹ 41	25 ¹⁰ 56	1 ¹¹ 6	11 ¹ 37	26 ¹⁰ 58	17 ¹⁰ 51	19 ¹⁰ 58	24 ¹⁰ 4	4 ¹⁰ 21	6 ¹⁰ 1	4 ¹⁰ 27	14 ¹⁰ 13	25 ¹⁰ 8	F 6
S 7	7 6 1	16 ¹ 48'32	17 ¹⁰ 49	27 ¹⁰ 19	1 ¹¹ 55	11 ¹ 41	26 ¹⁰ 59	17 ¹⁰ 58	19 ¹⁰ 56	24 ¹⁰ 5	4 ¹⁰ 20	5 ¹⁰ 54	4 ¹⁰ 24	14 ¹⁰ 20	25 ¹⁰ 4	S 7
S 8	7 9 58	17 ¹ 49'42	2 ¹¹ 46	28 ¹⁰ 44	2 ¹¹ 44	11 ¹ 45	27 ¹⁰ 0	18 ¹⁰ 5	19 ¹⁰ 54	24 ¹⁰ 6	4 ¹⁰ 19	5 ¹⁰ 48	4 ¹⁰ 20	14 ¹⁰ 27	25 ¹⁰ 0	S 8
M 9	7 13 54	18 ¹ 50'51	17 ¹⁰ 26	0 ¹¹ 9	3 ¹¹ 33	11 ¹ 47	27 ¹⁰ 1	18 ¹⁰ 12	19 ¹⁰ 52	24 ¹⁰ 7	4 ¹⁰ 17	5 ¹⁰ 43	4 ¹⁰ 17	14 ¹⁰ 33	24 ¹⁰ 55	M 9
T 10	7 17 51	19 ¹ 51'59	1 ¹¹ 42	1 ¹¹ 34	4 ¹¹ 24	11 ¹ 49	27 ¹⁰ 1	18 ¹⁰ 19	19 ¹⁰ 49	24 ¹⁰ 9	4 ¹⁰ 16	5 ¹⁰ 39	4 ¹⁰ 14	14 ¹⁰ 40	24 ¹⁰ 51	T 10
W 11	7 21 48	20 ¹ 53'07	15 ¹⁰ 33	3 ¹¹ 1	5 ¹¹ 15	11 ¹ 50	27 ¹⁰ R 1	18 ¹⁰ 26	19 ¹⁰ 47	24 ¹⁰ 10	4 ¹⁰ 15	5 ¹⁰ D38	4 ¹⁰ 11	14 ¹⁰ 47	24 ¹⁰ 46	W 11
T 12	7 25 44	21 ¹ 54'14	28 ¹⁰ 59	4 ¹¹ 28	6 ¹¹ 8	11 ¹ R50	27 ¹⁰ 1	18 ¹⁰ 33	19 ¹⁰ 45	24 ¹⁰ 11	4 ¹⁰ 13	5 ¹⁰ 38	4 ¹⁰ 8	14 ¹⁰ 54	24 ¹⁰ 42	T 12
F 13	7 29 41	22 ¹ 55'20	12 ¹¹ 8	5 ¹¹ 56	7 ¹¹ 0	11 ¹ 50	27 ¹⁰ 1	18 ¹⁰ 40	19 ¹⁰ 43	24 ¹⁰ 12	4 ¹⁰ 12	5 ¹⁰ 39	4 ¹⁰ 4	15 ¹⁰ 0	24 ¹⁰ 37	F 13
S 14	7 33 37	23 ¹ 56'25	24 ¹⁰ 49	7 ¹¹ 25	7 ¹¹ 54	11 ¹ 49	27 ¹⁰ 0	18 ¹⁰ 48	19 ¹⁰ 41	24 ¹⁰ 14	4 ¹⁰ 11	5 ¹⁰ 40	4 ¹⁰ 1	15 ¹⁰ 7	24 ¹⁰ 33	S 14
S 15	7 37 34	24 ¹ 57'30	7 ¹¹ 19	8 ¹¹ 54	8 ¹¹ 48	11 ¹ 47	27 ¹⁰ 0	18 ¹⁰ 55	19 ¹⁰ 39	24 ¹⁰ 15	4 ¹⁰ 9	5 ¹⁰ R41	3 ¹¹ 58	15 ¹⁰ 14	24 ¹⁰ 28	S 15
M 16	7 41 30	25 ¹ 58'33	19 ¹⁰ 37	10 ¹¹ 24	9 ¹¹ 43	11 ¹ 44	26 ¹⁰ 59	19 ¹⁰ 2	19 ¹⁰ 37	24 ¹⁰ 16	4 ¹⁰ 8	5 ¹⁰ 40	3 ¹¹ 55	15 ¹⁰ 20	24 ¹⁰ 24	M 16
T 17	7 45 27	26 ¹ 59'36	1 ¹¹ 46	11 ¹¹ 54	10 ¹¹ 38	11 ¹ 41	26 ¹⁰ 58	19 ¹⁰ 9	19 ¹⁰ 35	24 ¹⁰ 18	4 ¹⁰ 7	5 ¹⁰ 36	3 ¹¹ 52	15 ¹⁰ 27	24 ¹⁰ 20	T 17
W 18	7 49 23	28 ¹⁰ 0'38	13 ¹⁰ 48	13 ¹¹ 25	11 ¹¹ 34	11 ¹ 36	26 ¹⁰ 57	19 ¹⁰ 16	19 ¹⁰ 33	24 ¹⁰ 19	4 ¹⁰ 5	5 ¹⁰ 30	3 ¹¹ 49	15 ¹⁰ 34	24 ¹⁰ 15	W 18
T 19	7 53 20	29 ¹⁰ 1'39	25 ¹⁰ 46	14 ¹¹ 57	12 ¹¹ 31	11 ¹ 31	26 ¹⁰ 55	19 ¹⁰ 23	19 ¹⁰ 32	24 ¹⁰ 21	4 ¹⁰ 4	5 ¹⁰ 22	3 ¹¹ 45	15 ¹⁰ 41	24 ¹⁰ 11	T 19
F 20	7 57 17	0 ¹¹ 40'24	7 ¹¹ 40	16 ¹¹ 30	13 ¹¹ 28	11 ¹ 25	26 ¹⁰ 54	19 ¹⁰ 30	19 ¹⁰ 30	24 ¹⁰ 22	4 ¹⁰ 2	5 ¹⁰ 11	3 ¹¹ 42	15 ¹⁰ 47	24 ¹⁰ 6	F 20
S 21	8 1 13	1 ¹¹ 3'39	19 ¹⁰ 33	18 ¹¹ 3	14 ¹¹ 25	11 ¹ 19	26 ¹⁰ 52	19 ¹⁰ 37	19 ¹⁰ 28	24 ¹⁰ 24	4 ¹⁰ 1	5 ¹⁰ 0	3 ¹¹ 39	15 ¹⁰ 54	24 ¹⁰ 2	S 21
S 22	8 5 10	2 ¹¹ 4'38	1 ¹¹ 25	19 ¹⁰ 36	15 ¹¹ 23	11 ¹ 11	26 ¹⁰ 50	19 ¹⁰ 44	19 ¹⁰ 26	24 ¹⁰ 25	4 ¹⁰ 0	4 ¹⁰ 48	3 ¹¹ 36	16 ¹¹ 1	23 ¹¹ 57	S 22
M 23	8 9 6	3 ¹¹ 5'36	13 ¹¹ 18	21 ¹¹ 10	16 ¹¹ 22	11 ¹ 3	26 ¹⁰ 48	19 ¹⁰ 51	19 ¹⁰ 25	24 ¹⁰ 27	3 ¹¹ 58	4 ¹⁰ 38	3 ¹¹ 33	16 ¹¹ 8	23 ¹¹ 53	M 23
T 24	8 13 3	4 ¹¹ 6'33	25 ¹¹ 15	22 ¹¹ 45	17 ¹¹ 21	10 ¹¹ 54	26 ¹⁰ 46	19 ¹⁰ 58	19 ¹⁰ 23	24 ¹⁰ 28	3 ¹¹ 57	4 ¹⁰ 29	3 ¹¹ 30	16 ¹¹ 14	23 ¹¹ 49	T 24
W 25	8 16 59	5 ¹¹ 7'29	7 ¹¹ 20	24 ¹¹ 21	18 ¹¹ 21	10 ¹¹ 44	26 ¹⁰ 43	20 ¹¹ 5	19 ¹⁰ 22	24 ¹⁰ 30	3 ¹¹ 56	4 ¹⁰ 23	3 ¹¹ 26	16 ¹¹ 21	23 ¹¹ 44	W 25
T 26	8 20 56	6 ¹¹ 8'25	19 ¹⁰ 34	25 ¹¹ 57	19 ¹¹ 20	10 ¹¹ 34	26 ¹⁰ 40	20 ¹¹ 12	19 ¹⁰ 20	24 ¹⁰ 32	3 ¹¹ 54	4 ¹⁰ 19	3 ¹¹ 23	16 ¹¹ 28	23 ¹¹ 40	T 26
F 27	8 24 52	7 ¹¹ 9'20	2 ¹¹ 11	27 ¹⁰ 34	20 ¹¹ 21	10 ¹¹ 22	26 ¹⁰ 37	20 ¹¹ 19	19 ¹⁰ 18	24 ¹⁰ 33	3 ¹¹ 53	4 ¹⁰ D17	3 ¹¹ 20	16 ¹¹ 34	23 ¹¹ 36	F 27
S 28	8 28 49	8 ¹¹ 10'14	14 ¹⁰ 52	29 ¹⁰ 12	21 ¹¹ 22	10 ¹¹ 10	26 ¹⁰ 34	20 ¹¹ 25	19 ¹⁰ 17	24 ¹⁰ 35	3 ¹¹ 51	4 ¹⁰ 17	3 ¹¹ 17	16 ¹¹ 41	23 ¹¹ 31	S 28
S 29	8 32 46	9 ¹¹ 10'08	28 ¹⁰ 4	0 ¹¹ 40	22 ¹¹ 23	9 ¹¹ 57	26 ¹⁰ 31	20 ¹¹ 32	19 ¹⁰ 16	24 ¹⁰ 37	3 ¹¹ 50	4 ¹⁰ R18	3 ¹¹ 14	16 ¹¹ 48	23 ¹¹ 27	S 29
M 30	8 36 42	10 ¹¹ 12'01	11 ¹¹ 43	2 ¹¹ 29	23 ¹¹ 24	9 ¹¹ 43	26 ¹⁰ 28	20 ¹¹ 39	19 ¹⁰ 14	24 ¹⁰ 38	3 ¹¹ 49	4 ¹⁰ 18	3 ¹¹ 10	16 ¹¹ 55	23 ¹¹ 23	M 30
T 31	8 40 39	11 ¹¹ 12'52	25 ¹¹ 51	4 ¹¹ 40	24 ¹¹ 26	9 ¹¹ 29	26 ¹⁰ 24	20 ¹¹ 46	19 ¹⁰ 11	24 ¹⁰ 40	3 ¹¹ 47	4 ¹⁰ 16	3 ¹¹ 7	17 ¹¹ 1	23 ¹¹ 19	T 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	decl	decl	decl	lat	decl	decl	decl	decl	lat	decl	lat
S 1	23s 3	19s 8	1s29	22s 1	1n 2	15s33	4n 9	10n25	3n16	2n28	1n19	22s14	0n 8	23n14	0n 7	3s36	1s19	24n29	5n28	21s23	21s 7	12n 9	13n26	7s46											
M 2	22 58	21 8	0 14	22 16	0 53	15 41	4 10	10 24	3 18	2 27	1 19	22 13	0 7	23 14	0 7	3 35	1 19	24 30	5 29	21 23	21 6	12 6	13 27	7 46											
T 3	22 52	21 53	1n 3	22 29	0 45	15 50	4 11	10 24	3 20	2 27	1 19	22 13	0 7	23 14	0 7	3 35	1 19	24 30	5 29	21 23	21 6	12 4	13 28	7 46											
W 4	22 46	21 9	2 18	22 42	0 36	15 59	4 12	10 23	3 22	2 26	1 20	22 12	0 7	23 14	0 7	3 35	1 19	24 30	5 29	21 22	21 5	12 2	13 28	7 46											
T 5	22 39	18 56	3 26	22 54	0 28	16 8	4 13	10 23	3 24	2 26	1 20	22 11	0 7	23 13	0 7	3 34	1 19	24 31	5 29	21 22	21 4	12 0	13 29	7 46											
F 6	22 33	15 23	4 19	23 5	0 20	16 17	4 13	10 23	3 26	2 26	1 20	22 10	0 7	23 13	0 7	3 34	1 18	24 31	5 29	21 21	21 4	11 58	13 29	7 47											
S 7	22 25	10 51	4 54	23 15	0 12	16 27	4 13	10 23	3 28	2 26	1 20	22 9	0 7	23 13	0 7	3 33	1 18	24 32	5 29	21 20	21 3	11 56	13 30	7 47											
S 8	22 17	5 42	5 9	23 24	0 4	16 36	4 13	10 24	3 30	2 26	1 21	22 8	0 7	23 13	0 7	3 33	1 18	24 32	5 29	21 18	21 3	11 53	13 30	7 47											
M 9	22 9	0 19	5 3	23 32	0s 4	16 46	4 13	10 25	3 32	2 26	1 21	22 7	0 7	23 13	0 8	3 32	1 18	24 33	5 29	21 18	21 2	11 51	13 31	7 47											
T 10	22 0	4n56	4 38	23 40	0 11	16 56	4 12	10 26	3 34	2 26	1 21	22 7	0 7	23 13	0 8	3 32	1 18	24 33	5 30	21 17	21 2	11 49	13 32	7 47											
W 11	21 51	9 47	3 58	23 45	0 19	17 5	4 11	10 27	3 36	2 26	1 22	22 6	0 7	23 13	0 8	3 31	1 18	24 34	5 30	21 17	21 1	11 47	13 32	7 47											
T 12	21 42	14 1	3 5	23 50	0 26	17 15	4 10	10 29	3 38	2 26	1 22	22 5	0 7	23 12	0 8	3 31	1 18	24 34	5 30	21 17	21 0	11 45	13 33	7 47											
F 13	21 32	17 27	2 4	23 54	0 33	17 25	4 9	10 31	3 40	2 27	1 22	22 4	0 7	23 12	0 8	3 30	1 18	24 34	5 30	21 17	21 0	11 42	13 34	7 47											
S 14	21 21	19 57	0 58	23 56	0 40	17 35	4 8	10 33	3 42	2 27	1 22	22 3	0 7	23 12	0 8	3 30	1 18	24 35	5 30	21 17	20 59	11 40	13 34	7 47											
S 15	21 10	21 25	0s 9	23 57	0 47	17 45	4 7	10 36	3 44	2 28	1 23	22 2	0 7	23 12	0 8	3 29	1 18	24 35	5 30	21 17	20 59	11 38	13 35	7 47											
M 16	20 59	21 50	1 14	23 57	0 53	17 54	4 5	10 39	3 46	2 28	1 23	22 1	0 6	23 12	0 8	3 28	1 18	24 36	5 30	21 17	20 58	11 36	13 36	7 47											
T 17	20 48	21 12	2 16	23 56	0 59	18 4	4 3	10 42	3 48	2 29	1 23	22 0	0 6	23 12	0 8	3 28	1 18	24 36	5 30	21 16	20 57	11 34	13 37	7 47											
W 18	20 36	19 37	3 10	23 53	1 5	18 13	4 1	10 45	3 50	2 30	1 24	21 59	0 6	23 12	0 8	3 27	1 18	24 37	5 30	21 15	20 57	11 31	13 37	7 47											
T 19	20 23	17 10	3 55	23 49	1 11	18 23	3 59	10 49	3 51	2 30	1 24	21 58	0 6	23 11	0 8	3 27	1 18	24 37	5 30	21 14	20 56	11 29	13 38	7 47											
F 20	20 10	14 1	4 30	23 43	1 17	18 32	3 57	10 53	3 53	2 31	1 24	21 57	0 6	23 11	0 8	3 26	1 18	24 37	5 31	21 12	20 56	11 27	13 39	7 47											
S 21	19 57	10 20	4 53	23 37	1 22	18 41	3 55	10 57	3 55	2 32	1 24	21 56	0 6	23 11	0 8	3 25	1 18	24 38	5 31	21 10	20 55	11 25	13 40	7 47											
S 22	19 44	6 15	5 4	23 29	1 27	18 50	3 52	11 2	3 57	2 33	1 25	21 56	0 6	23 11	0 8	3 25	1 18	24 38	5 31	21 8	20 54	11 22	13 41	7 47											
M 23	19 30	1 57	5 1	23 19	1 32	18 58	3 50	11 7	3 59	2 34	1 25	21 55	0 6	23 11	0 8	3 24	1 18	24 39	5 31	21 6	20 54	11 20	13 41	7 47											
T 24	19 16	2s28	4 45	23 8	1 36	19 7	3 47	11 12	4 1	2 36	1 25	21 54	0 6	23 11	0 8	3 23	1 18	24 39	5 31	21 4	20 53	11 18	13 42	7 47											
W 25	19 1	6 50	4 16	22 56	1 40	19 15	3 44	11 17	4 2	2 37	1 25	21 53	0 6	23 11	0 8	3 23	1 18	24 39	5 31	21 3	20 53	11 16	13 43	7 47											
T 26	18 46	10 59	3 35	22 42	1 44	19 23	3 41	11 23	4 4	2 38	1 26	21 52	0 6	23 10	0 8	3 22	1 18	24 40	5 31	21 2	20 52	11 14	13 44	7 47											
F 27	18 31	14 45	2 43	22 27	1 48	19 30	3 38	11 29	4 6	2 40	1 26	21 51	0 6	23 10	0 8	3 21	1 18	24 40	5 31	21 2	20 51	11 11	13 45	7 46											
S 28	18 15	17 56	1 42	22 10	1 51	19 37	3 35	11 35	4 7	2 41	1 26	21 50	0 6	23 10	0 8	3 21	1 18	24 41	5 31	21 2	20 51	11 9	13 46	7 46											
S 29	17 59	20 18	0 33	21 52	1 54	19 44	3 32	11 41	4 9	2 42	1 26	21 49	0 6	23 10	0 8	3 20	1 18	24 41	5 31	21 2	20 50	11 7	13 47	7 46											
M 30	17 43	21 35	0n39	21 32	1 57	19 51	3 28	11 48	4 11	2 44	1 27	21 48	0 6	23 10	0 8	3 19	1 18	24 41	5 31	21 2	20 50	11 5	13 48	7 46											
T 31	17s26	21s33	1n52	21s11	1s59	19s57	3n25	11n55	4n12	2n46	1n27	21s47	0n 5	23n10	0n 8	3s19	1s18	24n42	5n31	21s 2	20s49	11n 3	13n48	7s46											

ASTRODIENST EPHEMERIS for the year 1696
geocentric

FEBRUARY 1696 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
W 1	8 44 35	12 ²⁸ 13'43	10 ³ 27	5 ⁴⁹ 49	25 ²⁷ 28	9 ¹⁴ 14	26 ¹² 20	20 ³ 53	19 ¹² 12	24 ⁴² 42	3 ⁴⁶ 46	4 ¹¹ 11	3 ⁴ 4	17 ¹² 8	23 ¹⁵ 15	W 1
T 2	8 48 32	13 ¹⁴ 33	25 ²⁸ 28	7 ³¹ 31	26 ³¹ 31	8 ⁵⁸ 58	26 ¹⁶ 16	21 ⁰ 0	19 ¹⁰ 10	24 ⁴⁴ 44	3 ⁴⁵ 45	4 ⁴ 4	3 ¹ 1	17 ¹⁵ 15	23 ¹⁰ 10	T 2
F 3	8 52 28	14 ¹⁵ 22	10 ³⁴ 44	9 ¹³ 13	27 ³⁴ 34	8 ⁴¹ 41	26 ¹² 12	21 ⁶ 6	19 ⁹ 9	24 ⁴⁶ 46	3 ⁴³ 43	3 ⁵⁵ 55	2 ⁵⁸ 58	17 ²¹ 21	23 ⁶ 6	F 3
S 4	8 56 25	15 ¹⁶ 09	26 ⁶ 6	10 ⁵⁶ 56	28 ³⁷ 37	8 ²⁴ 24	26 ⁸ 8	21 ¹³ 13	19 ⁸ 8	24 ⁴⁷ 47	3 ⁴² 42	3 ⁴⁴ 44	2 ⁵⁵ 55	17 ²⁸ 28	23 ² 2	S 4
S 5	9 0 21	16 ¹⁶ 55	11 ⁴¹ 21	12 ³⁹ 39	29 ⁴⁰ 40	8 ⁶ 6	26 ⁴ 4	21 ²⁰ 20	19 ⁷ 7	24 ⁴⁹ 49	3 ⁴⁰ 40	3 ³³ 33	2 ⁵¹ 51	17 ³⁵ 35	22 ⁵⁸ 58	S 5
M 6	9 4 18	17 ¹⁷ 40	26 ¹⁸ 18	14 ²⁴ 24	0 ³ 44	7 ⁴⁷ 47	25 ⁵⁹ 59	21 ²⁶ 26	19 ⁶ 6	24 ⁵¹ 51	3 ³⁹ 39	3 ²⁴ 24	2 ⁴⁸ 48	17 ⁴² 42	22 ⁵⁵ 55	M 6
T 7	9 8 15	18 ¹⁸ 23	10 ⁴⁵ 50	16 ⁹ 9	1 ⁴⁸ 48	7 ²⁸ 28	25 ⁵⁴ 54	21 ³³ 33	19 ⁵ 5	24 ⁵³ 53	3 ³⁸ 38	3 ¹⁷ 17	2 ⁴⁵ 45	17 ⁴⁸ 48	22 ⁵¹ 51	T 7
W 8	9 12 11	19 ¹⁹ 04	24 ⁵³ 53	17 ⁵⁵ 55	2 ⁵² 52	7 ⁸ 8	25 ⁴⁹ 49	21 ⁴⁰ 40	19 ⁴ 4	24 ⁵⁵ 55	3 ³⁶ 36	3 ¹² 12	2 ⁴² 42	17 ⁵⁵ 55	22 ⁴⁷ 47	W 8
T 9	9 16 8	20 ¹⁹ 43	8 ⁵⁷ 57	19 ⁴² 42	3 ⁵⁷ 57	6 ⁴⁸ 48	25 ⁴⁴ 44	21 ⁴⁶ 46	19 ³ 3	24 ⁵⁷ 57	3 ³⁵ 35	3 ¹⁰ 10	2 ³⁹ 39	18 ² 2	22 ⁴³ 43	T 9
F 10	9 20 4	21 ²⁰ 21	21 ³³ 33	21 ³⁰ 30	5 ¹ 1	6 ²⁷ 27	25 ³⁹ 39	21 ⁵³ 53	19 ² 2	24 ⁵⁹ 59	3 ³⁴ 34	3 ^D 9	2 ³⁶ 36	18 ⁸ 8	22 ³⁹ 39	F 10
S 11	9 24 1	22 ²⁰ 57	4 ¹¹ 16	23 ¹⁸ 18	6 ⁶ 6	6 ⁶ 6	25 ³³ 33	21 ⁵⁹ 59	19 ² 2	25 ¹ 1	3 ³² 32	3 ^R 9	2 ³² 32	18 ¹⁵ 15	22 ³⁶ 36	S 11
S 12	9 27 57	23 ²¹ 32	16 ⁴⁰ 40	25 ⁸ 8	7 ¹² 12	5 ⁴⁴ 44	25 ²⁸ 28	22 ⁵ 5	19 ¹ 1	25 ³ 3	3 ³¹ 31	3 ⁹ 9	2 ²⁹ 29	18 ²² 22	22 ³² 32	S 12
M13	9 31 54	24 ²² 05	28 ⁵¹ 51	26 ⁵⁸ 58	8 ¹⁷ 17	5 ²² 22	25 ²² 22	22 ¹² 12	19 ⁰ 0	25 ⁵ 5	3 ³⁰ 30	3 ⁶ 6	2 ²⁶ 26	18 ²⁹ 29	22 ²⁹ 29	M13
T 14	9 35 50	25 ²² 35	10 ⁵¹ 51	28 ⁴⁸ 48	9 ²³ 23	4 ⁵⁹ 59	25 ¹⁶ 16	22 ¹⁸ 18	19 ⁰ 0	25 ⁷ 7	3 ²⁹ 29	3 ¹ 1	2 ²³ 23	18 ³⁵ 35	22 ²⁵ 25	T 14
W15	9 39 47	26 ²³ 04	22 ⁴⁷ 47	0 ⁴⁰ 40	10 ²⁹ 29	4 ³⁷ 37	25 ¹⁰ 10	22 ²⁴ 24	18 ⁵⁹ 59	25 ⁹ 9	3 ²⁷ 27	2 ⁵³ 53	2 ²⁰ 20	18 ⁴² 42	22 ²² 22	W15
T 16	9 43 44	27 ²³ 32	4 ³⁹ 39	2 ³² 32	11 ³⁵ 35	4 ¹⁴ 14	25 ⁴ 4	22 ³¹ 31	18 ⁵⁹ 59	25 ¹¹ 11	3 ²⁶ 26	2 ⁴² 42	2 ¹⁶ 16	18 ⁴⁹ 49	22 ¹⁹ 19	T 16
F 17	9 47 40	28 ²³ 57	16 ³⁰ 30	4 ²⁴ 24	12 ⁴¹ 41	3 ⁵⁰ 50	24 ⁵⁸ 58	22 ³⁷ 37	18 ⁵⁸ 58	25 ¹³ 13	3 ²⁵ 25	2 ²⁹ 29	2 ¹³ 13	18 ⁵⁵ 55	22 ¹⁵ 15	F 17
S 18	9 51 37	29 ²⁴ 21	28 ²³ 23	6 ¹⁷ 17	13 ⁴⁸ 48	3 ²⁷ 27	24 ⁵² 52	22 ⁴³ 43	18 ⁵⁸ 58	25 ¹⁵ 15	3 ²⁴ 24	2 ¹⁴ 14	2 ¹⁰ 10	19 ² 2	22 ¹² 12	S 18
S 19	9 55 33	0 ⁴ 24'43	10 ¹⁷ 17	8 ¹⁰ 10	14 ⁵⁴ 54	3 ³ 3	24 ⁴⁵ 45	22 ⁴⁹ 49	18 ⁵⁷ 57	25 ¹⁷ 17	3 ²² 22	1 ⁵⁹ 59	2 ⁷ 7	19 ⁹ 9	22 ⁹ 9	S 19
M20	9 59 30	1 ²⁵ 04	22 ¹⁷ 17	10 ³ 3	16 ¹ 1	2 ³⁹ 39	24 ³⁹ 39	22 ⁵⁵ 55	18 ⁵⁷ 57	25 ¹⁹ 19	3 ²¹ 21	1 ⁴⁵ 45	2 ⁴ 4	19 ¹⁶ 16	22 ⁶ 6	M20
T 21	10 3 26	2 ²⁵ 23	4 ²¹ 21	11 ⁵⁵ 55	17 ⁸ 8	2 ¹⁶ 16	24 ³² 32	23 ¹ 1	18 ⁵⁷ 57	25 ²¹ 21	3 ²⁰ 20	1 ³⁴ 34	2 ¹ 1	19 ²² 22	22 ³ 3	T 21
W22	10 7 23	3 ²⁵ 40	16 ³² 32	13 ⁴⁸ 48	18 ¹⁵ 15	1 ⁵² 52	24 ²⁵ 25	23 ⁷ 7	18 ⁵⁶ 56	25 ²⁴ 24	3 ¹⁹ 19	1 ²⁴ 24	1 ⁵⁷ 57	19 ²⁹ 29	22 ⁰ 0	W22
T 23	10 11 19	4 ²⁵ 56	28 ⁵¹ 51	15 ⁴⁰ 40	19 ²³ 23	1 ²⁸ 28	24 ¹⁹ 19	23 ¹³ 13	18 ⁵⁶ 56	25 ²⁶ 26	3 ¹⁸ 18	1 ¹⁸ 18	1 ⁵⁴ 54	19 ³⁶ 36	21 ⁵⁸ 58	T 23
F 24	10 15 16	5 ²⁶ 10	11 ¹² 23	17 ³⁰ 30	20 ³⁰ 30	1 ⁴ 4	24 ¹² 12	23 ¹⁹ 19	18 ⁵⁶ 56	25 ²⁸ 28	3 ¹⁷ 17	1 ¹⁵ 15	1 ⁵¹ 51	19 ⁴³ 43	21 ⁵⁵ 55	F 24
S 25	10 19 13	6 ²⁶ 23	24 ¹⁰ 10	19 ²⁰ 20	21 ³⁸ 38	0 ⁴¹ 41	24 ⁵ 5	23 ²⁵ 25	18 ^D 56	25 ³⁰ 30	3 ¹⁵ 15	1 ¹⁴ 14	1 ⁴⁸ 48	19 ⁴⁹ 49	21 ⁵² 52	S 25
S 26	10 23 9	7 ²⁶ 34	7 ¹⁷ 17	21 ⁸ 8	22 ⁴⁶ 46	0 ¹⁷ 17	23 ⁵⁷ 57	23 ³¹ 31	18 ⁵⁶ 56	25 ³² 32	3 ¹⁴ 14	1 ¹⁴ 14	1 ⁴⁵ 45	19 ⁵⁶ 56	21 ⁵⁰ 50	S 26
M27	10 27 6	8 ²⁶ 44	20 ⁴⁷ 47	22 ⁵³ 53	23 ⁵⁴ 54	29 ¹² 54	23 ⁵⁰ 50	23 ³⁷ 37	18 ⁵⁶ 56	25 ³⁴ 34	3 ¹³ 13	1 ¹⁴ 14	1 ⁴² 42	20 ³ 3	21 ⁴⁷ 47	M27
T 28	10 31 2	9 ²⁶ 52	4 ³ 43	24 ³⁶ 36	25 ² 2	29 ³¹ 31	23 ⁴³ 43	23 ⁴² 42	18 ⁵⁶ 56	25 ³⁷ 37	3 ¹² 12	1 ¹² 12	1 ³⁸ 38	20 ⁹ 9	21 ⁴⁵ 45	T 28
W29	10 34 59	10 ²⁶ 59	19 ³ 3	26 ¹⁶ 16	26 ¹⁰ 10	29 ¹² 8	23 ³⁵ 35	23 ³⁴ 34	18 ⁵⁷ 57	25 ³⁹ 39	3 ¹¹ 11	1 ⁸ 8	1 ³⁵ 35	20 ¹⁶ 16	21 ⁴³ 43	W29

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒	♓	♈	♉	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	lat	lat
W 1	17s 9	20s 5	3n 0	20s48	2s 1	20s 3	3n21	12n 2	4n13	2n47	1n27	21s46	0n 5	23n10	0n 8	3s18	1s18	24n42	5n31	21s 1	20s48	11n 0	13n49	7s45
T 2	16 52	17 12	3 57	20 24	2 2	20 8	3 18	12 9	4 15	2 49	1 28	21 45	0 5	23 10	0 8	3 17	1 18	24 43	5 31	21 0	20 48	10 58	13 50	7 45
F 3	16 35	13 7	4 38	19 58	2 4	20 13	3 14	12 17	4 16	2 51	1 28	21 44	0 5	23 10	0 8	3 16	1 18	24 43	5 31	20 58	20 47	10 56	13 51	7 45
S 4	16 17	8 9	4 59	19 31	2 4	20 18	3 10	12 24	4 17	2 53	1 28	21 43	0 5	23 10	0 8	3 16	1 18	24 43	5 31	20 56	20 46	10 54	13 52	7 45
S 5	15 59	2 43	4 59	19 2	2 5	20 22	3 6	12 32	4 18	2 55	1 28	21 42	0 5	23 9	0 8	3 15	1 18	24 44	5 32	20 54	20 46	10 51	13 53	7 44
M 6	15 41	2n47	4 38	18 32	2 5	20 26	3 3	12 40	4 19	2 57	1 28	21 41	0 5	23 9	0 8	3 14	1 18	24 44	5 32	20 52	20 45	10 49	13 54	7 44
T 7	15 22	7 58	4 0	18 0	2 4	20 29	2 59	12 48	4 20	2 59	1 29	21 40	0 5	23 9	0 8	3 13	1 18	24 44	5 32	20 51	20 45	10 47	13 55	7 44
W 8	15 3	12 34	3 8	17 26	2 3	20 32	2 55	12 57	4 21	3 1	1 29	21 39	0 5	23 9	0 8	3 13	1 18	24 45	5 32	20 50	20 44	10 45	13 56	7 43
T 9	14 44	16 21	2 7	16 52	2 2	20 35	2 50	13 5	4 22	3 4	1 29	21 38	0 5	23 9	0 8	3 12	1 18	24 45	5 32	20 49	20 43	10 42	13 57	7 43
F 10	14 25	19 10	1 1	16 15	2 0	20 37	2 46	13 14	4 23	3 6	1 29	21 37	0 5	23 9	0 8	3 11	1 18	24 45	5 32	20 49	20 43	10 40	13 58	7 43
S 11	14 5	20 56	0s 6	15 37	1 58	20 38	2 42	13 22	4 23	3 8	1 30	21 36	0 5	23 9	0 8	3 10	1 18	24 46	5 32	20 49	20 42	10 38	13 59	7 42
S 12	13 45	21 38	1 11	14 58	1 55	20 39	2 38	13 31	4 24	3 11	1 30	21 35	0 5	23 9	0 8	3 9	1 18	24 46	5 32	20 49	20 41	10 36	14 0	7 42
M13	13 25	21 17	2 11	14 17	1 51	20 40	2 34	13 39	4 24	3 13	1 30	21 34	0 4	23 9	0 8	3 9	1 18	24 46	5 32	20 49	20 41	10 34	14 1	7 41
T 14	13 5	19 58	3 5	13 35	1 47	20 40	2 29	13 48	4 25	3 16	1 30	21 33	0 4	23 9	0 8	3 8	1 17	24 47	5 32	20 48	20 40	10 31	14 2	7 41
W15	12 45	17 46	3 50	12 51	1 43	20 39	2 25	13 57	4 25	3 18	1 30	21 32	0 4	23 9	0 8	3 7	1 17	24 47	5 32	20 46	20 40	10 29	14 3	7 40
T 16	12 24	14 51	4 25	12 6	1 37	20 38	2 21	14 5	4 25	3 21	1 31	21 31	0 4	23 9	0 8	3 6	1 17	24 47	5 32	20 44	20 39	10 27	14 4	7 40
F 17	12 3	11 20	4 48	11 20	1 32	20 37	2 16	14 14	4 25	3 23	1 31	21 30	0 4	23 9	0 8	3 5	1 17	24 48	5 32	20 41	20 38	10 25	14 4	7 40
S 18	11 42	7 23	4 59	10 33	1 25	20 34	2 12	14 22	4 25	3 26	1 31	21 30	0 4	23 9	0 8	3 4	1 17	24 48	5 32	20 39	20 38	10 22	14 5	7 39
S 19	11 21	3 9	4 56	9 44	1 18	20 32	2 7	14 31	4 25	3 29	1 31	21 29	0 4	23 9	0 8	3 4	1 17	24 48	5 32	20 36	20 37	10 20	14 6	7 39
M20	10 59	1s14	4 41	8 54	1 11	20 29	2 3	14 39	4 25	3 32	1 31	21 28	0 4	23 9	0 8	3 3	1 17	24 49	5 32	20 33	20 36	10 18	14 7	7 38
T 21	10 38	5 35	4 12	8 4	1 2	20 25	1 59	14 47	4 24	3 34	1 31	21 27	0 4	23 9	0 8	3 2	1 17	24 49	5 32	20 30	20 36	10 16	14 8	7 38
W22	10 16	9 46	3 32	7 12	0 53	20 21	1 54	14 56	4 24	3 37	1 32	21 26	0 4	23 9	0 8	3 1	1 17	24 49	5 32	20 29	20 35	10 13	14 9	7 37
T 23	9 54	13 36	2 42	6 20	0 44	20 16	1 50	15 4	4 23	3 40	1 32	21 25	0 4	23 9	0 8	3 0	1 17	24 49	5 32	20 27	20 35	10 11	14 10	7 36
F 24	9 32	16 54	1 43	5 28	0 34	20 11	1 45	15 12	4 22	3 43	1 32	21 24	0 4	23 9	0 8	2 59	1 17	24 50	5 32	20 27	20 34	10 9	14 11	7 36
S 25	9 10	19 27	0 37	4 35	0 23	20 5	1 41	15 19	4 22	3 46	1 32	21 23	0 4	23 9	0 8	2 58	1 17	24 50	5 32	20 26	20 33	10 7	14 12	7 35
S 26	8 47	21 2	0n32	3 42	0 12	19 58	1 36	15 27	4 21	3 49	1 32	21 22	0 4	23 9	0 8	2 58	1 17	24 50	5 32	20 26	20 33	10 4	14 13	7 35
M27	8 25	21 28	1 41	2 49	0n 0	19 51	1 32	15 34	4 20	3 52	1 32	21 21	0 4	23 9	0 8	2 57	1 17	24 51	5 32	20 26	20 32	10 2	14 14	7 34
T 28	8 2	20 37	2 47	1 57	0 13	19 44	1 27	15 41	4 18	3 55	1 32	21 20	0 3	23 9	0 8	2 56	1 17	24 51	5 32	20 26	20 31	10 0	14 15	7 34
W29	7s40	18s25	3n44	1s 6	0m26	19s36	1n23	15n48	4n17	3n58	1n33	21s19	0n 3	23n 9	0n 8	2s55	1s17	24n51	5n32	20s25	20s31	9n58	14n16	7s33

ASTRODIENST EPHEMERIS for the year 1696
geocentric

MARCH 1696 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	10 38 55	11♌27°04	3♊51	27♋52	27♌18	28°R46	23°R28	23♌53	18♌57	25♋41	3°R10	1°R 1	1♌32	20♌23	21°R41	T 1
F 2	10 42 52	12°27'07	18°56	29°24	28°27	28♌24	23♌21	23°59	18°57	25°43	3♌ 9	0♌51	1°29	20°30	21♌38	F 2
S 3	10 46 48	13°27'09	4♌11	0♌51	29°35	28° 2	23°13	24° 4	18°57	25°45	3° 8	0°40	1°26	20°36	21°36	S 3
S 4	10 50 45	14°27'08	19°24	2°13	0♌44	27°41	23° 5	24°10	18°58	25°48	3° 7	0°29	1°22	20°43	21°35	S 4
M 5	10 54 42	15°27'06	4♌25	3°29	1°53	27°21	22°58	24°15	18°58	25°50	3° 6	0°19	1°19	20°50	21°33	M 5
T 6	10 58 38	16°27'02	19° 5	4°38	3° 2	27° 0	22°50	24°20	18°59	25°52	3° 5	0°11	1°16	20°56	21°31	T 6
W 7	11 2 35	17°26'55	3♌17	5°41	4°11	26°41	22°42	24°25	18°59	25°54	3° 4	0° 6	1°13	21° 3	21°29	W 7
T 8	11 6 31	18°26'47	17° 0	6°37	5°20	26°22	22°35	24°31	19° 0	25°57	3° 3	0° 3	1°10	21°10	21°28	T 8
F 9	11 10 28	19°26'36	0♌13	7°25	6°29	26° 4	22°27	24°36	19° 1	25°59	3° 2	0°D 3	1° 7	21°17	21°27	F 9
S 10	11 14 24	20°26'23	13° 1	8° 5	7°39	25°46	22°19	24°41	19° 1	26° 1	3° 1	0° 3	1° 3	21°23	21°25	S 10
S 11	11 18 21	21°26'07	25°28	8°37	8°48	25°29	22°11	24°46	19° 2	26° 3	3° 1	0°R 3	1° 0	21°30	21°24	S 11
M12	11 22 17	22°25'50	7♌39	9° 0	9°58	25°12	22° 3	24°50	19° 3	26° 6	3° 0	0° 2	0°57	21°37	21°23	M12
T 13	11 26 14	23°25'30	19°39	9°16	11° 7	24°57	21°56	24°55	19° 4	26° 8	2°59	29♌59	0°54	21°43	21°22	T 13
W14	11 30 10	24°25'08	1♌32	9°R23	12°17	24°42	21°48	25° 0	19° 5	26°10	2°58	29°53	0°51	21°50	21°21	W14
T 15	11 34 7	25°24'43	13°22	9°21	13°27	24°28	21°40	25° 5	19° 6	26°13	2°57	29°44	0°47	21°57	21°20	T 15
F 16	11 38 4	26°24'16	25°14	9°12	14°36	24°14	21°32	25° 9	19° 7	26°15	2°57	29°34	0°44	22° 4	21°19	F 16
S 17	11 42 0	27°23'48	7♌ 9	8°56	15°46	24° 1	21°25	25°14	19° 8	26°17	2°56	29°22	0°41	22°10	21°19	S 17
S 18	11 45 57	28°23'17	19°10	8°32	16°56	23°49	21°17	25°18	19° 9	26°19	2°55	29°10	0°38	22°17	21°18	S 18
M19	11 49 53	29°22'43	1♌17	8° 2	18° 6	23°38	21° 9	25°22	19°10	26°22	2°55	28°59	0°35	22°24	21°18	M19
T 20	11 53 50	0♌22'08	13°31	7°26	19°17	23°28	21° 2	25°27	19°11	26°24	2°54	28°49	0°32	22°31	21°17	T 20
W21	11 57 46	1°21'31	25°55	6°45	20°27	23°18	20°54	25°31	19°12	26°26	2°53	28°42	0°28	22°37	21°17	W21
T 22	12 1 43	2°20'52	8♌28	6° 0	21°37	23° 9	20°47	25°35	19°14	26°28	2°53	28°38	0°25	22°44	21°17	T 22
F 23	12 5 39	3°20'11	21°12	5°12	22°48	23° 1	20°39	25°39	19°15	26°31	2°52	28°36	0°22	22°51	21°D17	F 23
S 24	12 9 36	4°19'28	4♌ 9	4°22	23°58	22°54	20°32	25°43	19°17	26°33	2°52	28°D35	0°19	22°57	21°17	S 24
S 25	12 13 33	5°18'44	17°21	3°31	25° 8	22°47	20°24	25°47	19°18	26°35	2°51	28°36	0°16	23° 4	21°17	S 25
M26	12 17 29	6°17'58	0♌51	2°41	26°19	22°41	20°17	25°51	19°20	26°37	2°51	28°R37	0°13	23°11	21°18	M26
T 27	12 21 26	7°17'10	14°40	1°51	27°30	22°36	20°10	25°54	19°21	26°40	2°50	28°37	0° 9	23°18	21°18	T 27
W28	12 25 22	8°16'20	28°50	1° 4	28°40	22°32	20° 3	25°58	19°23	26°42	2°50	28°35	0° 6	23°24	21°18	W28
T 29	12 29 19	9°15'28	13♌18	0°19	29°51	22°29	19°56	26° 2	19°24	26°44	2°49	28°31	0° 3	23°31	21°19	T 29
F 30	12 33 15	10°14'35	28° 1	29♌38	1♌ 2	22°26	19°49	26° 5	19°26	26°46	2°49	28°26	29♌59	23°38	21°20	F 30
S 31	12 37 12	11°13'40	12♌54	29♌ 1	2♌13	22♌24	19♌42	26♌ 9	19♌28	26♌49	2♌48	28♌19	29♌57	23♌44	21♌21	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	7s17	14s59	4n28	0s16	0n39	19s27	1n18	15n55	4n16	4n 1	1n33	21s18	0n 3	23n 9	0n 8	2s54
F 2	6 54	10 30	4 54	0n33	0 52	19 18	1 14	16 1	4 15	4 4	1 33	21 18	0 3	23 9	0 8	2 53
S 3	6 31	5 20	5 0	1 21	1 6	19 8	1 9	16 8	4 13	4 7	1 33	21 17	0 3	23 9	0 8	2 52
S 4	6 8	0n10	4 45	2 6	1 19	18 58	1 5	16 14	4 12	4 10	1 33	21 16	0 3	23 9	0 8	2 51
M 5	5 45	5 35	4 10	2 48	1 33	18 47	1 0	16 19	4 10	4 13	1 33	21 15	0 3	23 9	0 8	2 51
T 6	5 21	10 33	3 19	3 29	1 47	18 36	0 56	16 25	4 8	4 16	1 33	21 14	0 3	23 9	0 8	2 50
W 7	4 58	14 46	2 17	4 6	2 0	18 24	0 52	16 30	4 6	4 20	1 33	21 13	0 3	23 9	0 8	2 49
T 8	4 35	18 2	1 9	4 40	2 13	18 12	0 47	16 35	4 4	4 23	1 33	21 12	0 3	23 9	0 8	2 48
F 9	4 11	20 13	0s 1	5 10	2 25	17 59	0 43	16 39	4 3	4 26	1 33	21 12	0 3	23 9	0 8	2 47
S 10	3 48	21 16	1 8	5 37	2 37	17 46	0 39	16 43	4 1	4 29	1 33	21 11	0 3	23 9	0 8	2 46
S 11	3 24	21 13	2 11	5 59	2 48	17 32	0 34	16 47	3 58	4 32	1 33	21 10	0 3	23 9	0 8	2 45
M12	3 1	20 10	3 6	6 18	2 58	17 18	0 30	16 51	3 56	4 35	1 34	21 9	0 3	23 9	0 8	2 44
T 13	2 37	18 13	3 52	6 32	3 7	17 3	0 26	16 54	3 54	4 38	1 34	21 8	0 2	23 9	0 8	2 43
W14	2 13	15 31	4 27	6 42	3 14	16 48	0 22	16 57	3 52	4 41	1 34	21 8	0 2	23 9	0 8	2 42
T 15	1 50	12 11	4 51	6 47	3 21	16 32	0 18	17 0	3 50	4 45	1 34	21 7	0 2	23 9	0 8	2 42
F 16	1 26	8 23	5 2	6 48	3 25	16 15	0 14	17 2	3 47	4 48	1 34	21 6	0 2	23 10	0 8	2 41
S 17	1 2	4 15	5 0	6 44	3 29	15 59	0 10	17 4	3 45	4 51	1 34	21 5	0 2	23 10	0 8	2 40
S 18	0 39	0s 4	4 45	6 36	3 30	15 42	0 6	17 6	3 43	4 54	1 34	21 5	0 2	23 10	0 8	2 39
M19	0 15	4 26	4 17	6 24	3 30	15 24	0 2	17 8	3 40	4 57	1 34	21 4	0 2	23 10	0 8	2 38
T 20	0n 9	8 40	3 36	6 8	3 28	15 6	0s 2	17 9	3 38	5 0	1 34	21 3	0 2	23 10	0 8	2 37
W21	0 32	12 36	2 45	5 48	3 24	14 47	0 6	17 10	3 36	5 3	1 34	21 2	0 2	23 10	0 8	2 36
T 22	0 56	16 1	1 46	5 25	3 19	14 28	0 10	17 10	3 33	5 6	1 34	21 2	0 2	23 10	0 8	2 35
F 23	1 20	18 43	0 40	5 0	3 11	14 9	0 13	17 11	3 31	5 9	1 34	21 1	0 2	23 10	0 8	2 34
S 24	1 43	20 31	0n30	4 32	3 2	13 49	0 17	17 11	3 28	5 11	1 33	21 0	0 2	23 10	0 8	2 33
S 25	2 7	21 14	1 39	4 2	2 52	13 29	0 20	17 11	3 26	5 14	1 33	21 0	0 2	23 11	0 8	2 33
M26	2 30	20 44	2 44	3 31	2 40	13 8	0 24	17 10	3 23	5 17	1 33	20 59	0 1	23 11	0 8	2 32
T 27	2 54	19 0	3 42	2 59	2 27	12 47	0 27	17 10	3 21	5 20	1 33	20 59	0 1	23 11	0 8	2 31
W28	3 17	16 4	4 27	2 27	2 13	12 26	0 31	17 9	3 18	5 23	1 33	20 58	0 1	23 11	0 8	2 30
T 29	3 40	12 7	4 57	1 56	1 58	12 4	0 34	17 7	3 16	5 25	1 33	20 57	0 1	23 11	0 8	2 29
F 30	4 4	7 22	5 7	1 25	1 43	11 42	0 37	17 6	3 13	5 28	1 33	20 57	0 1	23 11	0 8	2 28
S 31	4n27	2s 9	4n58	0n56	1n27	11s20	0s41	17n 4	3n11	5n31	1n33	20s56	0n 1	23n11	0n 8	2s27

Julian Day Number = 2340571.5, Delta T = 15.72 sec
Ecliptic obliquity = 23°28'40, Nutation = 0°00'16, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°29'56, Lahiri = 19°36'57Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1696

geocentric

APRIL 1696 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	12 41 8	12°12'42	27°48'48	28°R28	3°42'24	22°R23	19°R35	26°31'12	19°II30	26°46'51	2°R48	28°R11	29°II53	23°Ω51	21°Ω21	S 1
M 2	12 45 5	13°11'43	12°V34	28°H 0	4°35	22°D23	19°II28	26°15	19°32	26°53	2°Ω48	28°II 5	29°50	23°58	21°22	M 2
T 3	12 49 2	14°10'42	27° 5	27°38	5°46	22°Ω23	19°22	26°18	19°33	26°55	2°47	27°59	29°47	24° 5	21°24	T 3
W 4	12 52 58	15° 9'39	11°B14	27°21	6°57	22°24	19°15	26°21	19°35	26°57	2°47	27°56	29°44	24°11	21°25	W 4
T 5	12 56 55	16° 8'33	24°57	27° 9	8° 8	22°26	19° 9	26°24	19°37	27° 0	2°47	27°D55	29°41	24°18	21°26	T 5
F 6	13 0 51	17° 7'26	8°II15	27° 3	9°19	22°28	19° 3	26°27	19°39	27° 2	2°47	27°55	29°38	24°25	21°27	F 6
S 7	13 4 48	18° 6'16	21° 8	27°D 2	10°30	22°32	18°57	26°30	19°41	27° 4	2°46	27°57	29°34	24°32	21°29	S 7
S 8	13 8 44	19° 5'04	3°Ω40	27° 6	11°41	22°35	18°51	26°33	19°44	27° 6	2°46	27°58	29°31	24°38	21°31	S 8
M 9	13 12 41	20° 3'50	15°55	27°16	12°53	22°40	18°45	26°35	19°46	27° 8	2°46	27°R59	29°28	24°45	21°32	M 9
T 10	13 16 37	21° 2'33	27°57	27°30	14° 4	22°45	18°40	26°38	19°48	27°10	2°46	27°59	29°25	24°52	21°34	T 10
W11	13 20 34	22° 1'14	9°Ω52	27°49	15°15	22°51	18°34	26°40	19°50	27°12	2°46	27°57	29°22	24°58	21°36	W11
T 12	13 24 31	22°59'53	21°43	28°13	16°26	22°58	18°29	26°42	19°52	27°15	2°46	27°54	29°18	25° 5	21°38	T 12
F 13	13 28 27	23°58'30	3°II37	28°41	17°38	23° 5	18°23	26°45	19°55	27°17	2°46	27°49	29°15	25°12	21°40	F 13
S 14	13 32 24	24°57'04	15°35	29°14	18°49	23°13	18°18	26°47	19°57	27°19	2°D46	27°44	29°12	25°19	21°42	S 14
S 15	13 36 20	25°55'37	27°41	29°50	20° 1	23°21	18°13	26°49	19°59	27°21	2°46	27°38	29° 9	25°25	21°44	S 15
M16	13 40 17	26°54'07	9°Ω57	0°V31	21°12	23°31	18° 8	26°51	20° 2	27°23	2°46	27°33	29° 6	25°32	21°47	M16
T 17	13 44 13	27°52'35	22°24	1°15	22°24	23°40	18° 4	26°53	20° 4	27°25	2°46	27°28	29° 3	25°39	21°49	T 17
W18	13 48 10	28°51'02	5°II 4	2° 2	23°35	23°50	17°59	26°54	20° 7	27°27	2°46	27°25	28°59	25°45	21°52	W18
T 19	13 52 6	29°49'26	17°56	2°53	24°47	24° 1	17°55	26°56	20° 9	27°29	2°46	27°24	28°56	25°52	21°54	T 19
F 20	13 56 3	0°B47'49	1°A 0	3°47	25°58	24°13	17°51	26°58	20°12	27°31	2°46	27°D23	28°53	25°59	21°57	F 20
S 21	13 59 59	1°46'11	14°17	4°44	27°10	24°24	17°47	26°59	20°15	27°33	2°46	27°24	28°50	26° 6	22° 0	S 21
S 22	14 3 56	2°44'30	27°47	5°44	28°22	24°37	17°43	27° 1	20°17	27°35	2°47	27°26	28°47	26°12	22° 3	S 22
M23	14 7 53	3°42'48	11°B29	6°47	29°33	24°50	17°39	27° 2	20°20	27°37	2°47	27°27	28°44	26°19	22° 6	M23
T 24	14 11 49	4°41'05	25°24	7°53	0°V45	25° 3	17°36	27° 3	20°23	27°39	2°47	27°28	28°40	26°26	22° 9	T 24
W25	14 15 46	5°39'20	9°Ω30	9° 1	1°57	25°17	17°33	27° 4	20°25	27°40	2°47	27°R28	28°37	26°33	22°12	W25
T 26	14 19 42	6°37'33	23°46	10°12	3° 9	25°32	17°29	27° 5	20°28	27°42	2°48	27°27	28°34	26°39	22°16	T 26
F 27	14 23 39	7°35'45	8°H10	11°26	4°21	25°47	17°26	27° 6	20°31	27°44	2°48	27°26	28°31	26°46	22°19	F 27
S 28	14 27 35	8°33'55	22°37	12°41	5°32	26° 2	17°24	27° 7	20°34	27°46	2°48	27°24	28°28	26°53	22°22	S 28
S 29	14 31 32	9°32'04	7°V 3	13°59	6°44	26°18	17°21	27° 7	20°37	27°48	2°49	27°21	28°24	26°59	22°26	S 29
M30	14 35 28	10°B30'12	21°V23	15°V20	7°V56	26°Ω34	17°II19	27°B 8	20°II40	27°H50	2°Ω49	27°II19	28°II21	27°Ω 6	22°B30	M30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	4n50	3n13	4n28	0n28	1n11	10s57	0s44	17n 2	3n 8	5n33	1n33	20s56	0n 1	23n11	0n 8	2s11
M 2	5 13	8 21	3 40	0 2	0 55	10 34	0 47	17 0	3 6	5 36	1 33	20 55	0 1	23 12	0 8	2 26
T 3	5 36	12 55	2 39	0s21	0 39	10 11	0 50	16 57	3 3	5 38	1 33	20 55	0 1	23 12	0 8	2 25
W 4	5 59	16 38	1 29	0 43	0 23	9 48	0 53	16 55	3 1	5 41	1 33	20 54	0 1	23 12	0 8	2 24
T 5	6 22	19 18	0 16	1 1	0 7	9 24	0 56	16 52	2 58	5 43	1 33	20 54	0 1	23 12	0 8	2 23
F 6	6 44	20 48	0s56	1 18	0s 8	8 59	0 58	16 49	2 56	5 45	1 32	20 53	0 1	23 12	0 8	2 22
S 7	7 7	21 8	2 3	1 32	0 23	8 35	1 1	16 45	2 53	5 48	1 32	20 53	0 1	23 12	0 8	2 21
S 8	7 29	20 24	3 2	1 43	0 37	8 10	1 4	16 42	2 51	5 50	1 32	20 52	0 1	23 13	0 8	2 21
M 9	7 51	18 42	3 51	1 51	0 50	7 45	1 6	16 38	2 48	5 52	1 32	20 52	0 0	23 13	0 8	2 20
T 10	8 13	16 12	4 30	1 57	1 3	7 20	1 9	16 34	2 46	5 54	1 32	20 51	0 0	23 13	0 8	2 19
W11	8 35	13 3	4 56	2 1	1 15	6 55	1 11	16 30	2 44	5 56	1 32	20 51	0 0	23 13	0 8	2 18
T 12	8 57	9 24	5 9	2 2	1 27	6 29	1 13	16 25	2 41	5 58	1 32	20 51	0 0	23 13	0 8	2 17
F 13	9 19	5 23	5 10	2 1	1 37	6 3	1 16	16 21	2 39	6 0	1 31	20 50	0 0	23 13	0 8	2 16
S 14	9 40	1 8	4 56	1 57	1 47	5 37	1 18	16 16	2 37	6 2	1 31	20 50	0 0	23 14	0 8	2 16
S 15	10 2	3s12	4 30	1 51	1 57	5 11	1 20	16 11	2 34	6 4	1 31	20 50	0s 0	23 14	0 8	2 15
M16	10 23	7 29	3 51	1 43	2 5	4 45	1 22	16 6	2 32	6 5	1 31	20 49	0 0	23 14	0 8	2 14
T 17	10 44	11 31	3 0	1 33	2 13	4 18	1 24	16 0	2 30	6 7	1 31	20 49	0 0	23 14	0 8	2 13
W18	11 5	15 6	1 59	1 20	2 21	3 52	1 26	15 55	2 28	6 9	1 31	20 49	0 0	23 14	0 8	2 13
T 19	11 26	18 2	0 52	1 6	2 27	3 25	1 27	15 49	2 25	6 10	1 30	20 49	0 0	23 15	0 8	2 12
F 20	11 46	20 4	0n20	0 50	2 33	2 58	1 29	15 43	2 23	6 12	1 30	20 48	0 0	23 15	0 8	2 11
S 21	12 6	21 2	1 32	0 32	2 38	2 31	1 31	15 37	2 21	6 13	1 30	20 48	0 1	23 15	0 8	2 10
S 22	12 27	20 48	2 39	0 12	2 42	2 4	1 32	15 31	2 19	6 14	1 30	20 48	0 1	23 15	0 8	2 9
M23	12 47	19 21	3 39	0n 9	2 46	1 36	1 34	15 25	2 17	6 16	1 30	20 48	0 1	23 15	0 8	2 9
T 24	13 6	16 43	4 27	0 32	2 49	1 9	1 35	15 18	2 14	6 17	1 30	20 48	0 1	23 16	0 8	2 8
W25	13 26	13 5	4 59	0 57	2 52	0 42	1 36	15 11	2 12	6 18	1 29	20 48	0 1	23 16	0 8	2 7
T 26	13 45	8 40	5 14	1 23	2 54	0 14	1 37	15 4	2 10	6 19	1 29	20 47	0 1	23 16	0 8	2 7
F 27	14 4	3 44	5 9	1 50	2 55	0n13	1 38	14 57	2 8	6 20	1 29	20 47	0 1	23 16	0 8	2 6
S 28	14 23	1n26	4 45	2 19	2 56	0 41	1 39	14 50	2 6	6 21	1 29	20 47	0 1	23 16	0 8	2 5
S 29	14 41	6 31	4 3	2 50	2 56	1 9	1 40	14 43	2 4	6 22	1 29	20 47	0 1	23 17	0 8	2 4
M30	15n 0	11n13	3n 5	3n21	2s55	1n36	1s41	14n35	2n 2	6n23	1n28	20s47	0s 1	23n17	0n 8	2s 4

Julian Day Number = 2340602.5, Delta T = 15.69 sec
 Ecliptic obliquity = 23°28'40, Nutation = 0°00'15, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°30'01, Lahiri = 19°37'01Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1696

geocentric

MAY 1696 GC

00:00 UT

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

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	15n18	15n13	1n57	3n54	2s54	2n 4	1s42	14n28	2n 0	6n23	1n28	20s47	0s 1	23n17	0n 8	2s 3
W 2	15 36	18 18	0 43	4 28	2 52	2 32	1 43	14 20	1 58	6 24	1 28	20 47	0 1	23 17	0 8	2 2
T 3	15 53	20 16	0s31	5 3	2 50	2 59	1 43	14 12	1 56	6 25	1 28	20 47	0 2	23 17	0 8	2 2
F 4	16 11	21 3	1 42	5 39	2 47	3 27	1 44	14 4	1 54	6 25	1 28	20 47	0 2	23 18	0 8	2 1
S 5	16 28	20 42	2 47	6 16	2 43	3 54	1 44	13 56	1 53	6 25	1 27	20 47	0 2	23 18	0 8	2 1
S 6	16 44	19 18	3 41	6 54	2 39	4 22	1 45	13 47	1 51	6 26	1 27	20 47	0 2	23 18	0 8	2 0
M 7	17 1	17 2	4 24	7 33	2 35	4 49	1 45	13 39	1 49	6 26	1 27	20 47	0 2	23 18	0 8	1 59
T 8	17 17	14 4	4 55	8 13	2 30	5 17	1 45	13 30	1 47	6 26	1 27	20 48	0 2	23 18	0 8	1 59
W 9	17 33	10 33	5 12	8 53	2 24	5 44	1 45	13 22	1 45	6 26	1 26	20 48	0 2	23 19	0 8	1 58
T 10	17 49	6 38	5 16	9 34	2 18	6 11	1 45	13 13	1 43	6 26	1 26	20 48	0 2	23 19	0 8	1 57
F 11	18 4	2 28	5 7	10 16	2 11	6 38	1 45	13 4	1 42	6 26	1 26	20 48	0 2	23 19	0 8	1 57
S 12	18 19	1s49	4 44	10 59	2 4	7 5	1 45	12 54	1 40	6 26	1 26	20 48	0 2	23 19	0 8	1 56
S 13	18 34	6 6	4 8	11 42	1 56	7 32	1 45	12 45	1 38	6 26	1 26	20 48	0 2	23 20	0 8	1 56
M14	18 48	10 14	3 20	12 25	1 48	7 59	1 44	12 36	1 36	6 26	1 25	20 49	0 2	23 20	0 8	1 55
T 15	19 2	13 59	2 22	13 9	1 40	8 25	1 44	12 26	1 35	6 25	1 25	20 49	0 3	23 20	0 8	1 55
W16	19 16	17 10	1 15	13 53	1 31	8 52	1 44	12 17	1 33	6 25	1 25	20 49	0 3	23 20	0 8	1 54
T 17	19 30	19 32	0 2	14 36	1 22	9 18	1 43	12 7	1 31	6 25	1 25	20 49	0 3	23 20	0 8	1 54
F 18	19 43	20 51	1n12	15 20	1 12	9 44	1 43	11 57	1 30	6 24	1 24	20 50	0 3	23 21	0 8	1 53
S 19	19 56	20 58	2 23	16 4	1 2	10 10	1 42	11 47	1 28	6 24	1 24	20 50	0 3	23 21	0 8	1 53
S 20	20 8	19 47	3 27	16 47	0 52	10 36	1 41	11 37	1 26	6 23	1 24	20 50	0 3	23 21	0 8	1 52
M21	20 20	17 24	4 19	17 30	0 42	11 1	1 41	11 26	1 25	6 22	1 24	20 51	0 3	23 21	0 8	1 52
T 22	20 32	13 57	4 56	18 12	0 31	11 26	1 40	11 16	1 23	6 21	1 24	20 51	0 3	23 22	0 8	1 51
W23	20 43	9 41	5 15	18 53	0 21	11 51	1 39	11 6	1 22	6 20	1 23	20 52	0 3	23 22	0 8	1 51
T 24	20 55	4 53	5 14	19 33	0 10	12 16	1 38	10 55	1 20	6 19	1 23	20 52	0 3	23 22	0 8	1 50
F 25	21 5	0n10	4 54	20 12	0n 1	12 40	1 37	10 44	1 19	6 18	1 23	20 52	0 3	23 22	0 8	1 50
S 26	21 16	5 11	4 17	20 49	0 11	13 5	1 36	10 33	1 17	6 17	1 23	20 53	0 4	23 22	0 8	1 50
S 27	21 26	9 54	3 25	21 24	0 22	13 28	1 34	10 23	1 16	6 16	1 22	20 53	0 4	23 23	0 8	1 49
M28	21 35	14 3	2 21	21 58	0 32	13 52	1 33	10 12	1 14	6 15	1 22	20 54	0 4	23 23	0 8	1 49
T 29	21 45	17 23	1 9	22 29	0 42	14 15	1 32	10 0	1 13	6 14	1 22	20 54	0 4	23 23	0 8	1 48
W30	21 53	19 42	0s 5	22 58	0 51	14 38	1 31	9 49	1 11	6 12	1 22	20 55	0 4	23 23	0 8	1 48
T 31	22n 2	20n55	1s17	23n25	1n 0	15n 1	1s29	9n38	1n10	6n11	1n21	20s55	0s 4	23n23	0n 8	1s48

Julian Day Number = 2340632.5, Delta T = 15.65 sec
 Ecliptic obliquity = 23°28'39", Nutation = 0°00'13", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°30'05", Lahiri = 19°37'05"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1696

geocentric

JUNE 1696 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	16 41 38	11 ^{II} 16'50	24 ^{II} 21	15 ^{II} 21	16 ^{II} 27	8 ^{III} 32	17 ^{III} 35	26°R37	22 ^{II} 25	28 ^{II} 34	3 ^{II} 15	27°R19	26 ^{II} 40	0 ^{III} 41	25 ^{II} 5	F 1
S 2	16 45 35	12°14'14	7 ^{III} 3	17°31	17°40	8°59	17°39	26 ^{III} 35	22°28	28°35	3°16	27 ^{II} 17	26°36	0°48	25°11	S 2
S 3	16 49 31	13°11'38	19°31	19°41	18°52	9°27	17°42	26°32	22°32	28°36	3°17	27°15	26°33	0°55	25°17	S 3
M 4	16 53 28	14° 9'00	1 ^{II} 46	21°49	20° 5	9°54	17°46	26°29	22°35	28°37	3°19	27°12	26°30	1° 2	25°23	M 4
T 5	16 57 24	15° 6'22	13°50	23°56	21°18	10°22	17°50	26°27	22°39	28°38	3°20	27°10	26°27	1° 8	25°29	T 5
W 6	17 1 121	16° 3'42	25°46	26° 1	22°30	10°50	17°54	26°24	22°42	28°39	3°21	27° 8	26°24	1°15	25°35	W 6
T 7	17 5 18	17° 1'01	7 ^{III} 40	28° 4	23°43	11°19	17°58	26°21	22°46	28°40	3°22	27° 7	26°21	1°22	25°42	T 7
F 8	17 9 14	17°58'20	19°34	0 ^{III} 6	24°55	11°47	18° 3	26°18	22°49	28°40	3°24	27°D 7	26°17	1°28	25°48	F 8
S 9	17 13 11	18°55'38	1 ^{II} 34	2° 5	26° 8	12°16	18° 7	26°15	22°53	28°41	3°25	27° 7	26°14	1°35	25°54	S 9
S 10	17 17 7	19°52'54	13°44	4° 2	27°21	12°45	18°12	26°12	22°57	28°42	3°26	27° 8	26°11	1°42	26° 0	S 10
M 11	17 21 4	20°50'10	26° 8	5°57	28°33	13°14	18°17	26° 9	23° 0	28°42	3°28	27°10	26° 8	1°49	26° 7	M 11
T 12	17 25 0	21°47'25	8 ^{III} 51	7°50	29°46	13°44	18°22	26° 6	23° 4	28°43	3°29	27°11	26° 5	1°55	26°13	T 12
W 13	17 28 57	22°44'40	21°55	9°41	0 ^{III} 59	14°13	18°27	26° 3	23° 7	28°44	3°30	27°R12	26° 2	2° 2	26°20	W 13
T 14	17 32 53	23°41'53	5 ^{II} 22	11°29	2°12	14°43	18°32	25°59	23°11	28°44	3°32	27°12	25°58	2° 9	26°26	T 14
F 15	17 36 50	24°39'07	19°10	13°15	3°24	15°13	18°38	25°56	23°14	28°45	3°33	27°11	25°55	2°15	26°33	F 15
S 16	17 40 47	25°36'19	3 ^{III} 18	14°58	4°37	15°43	18°43	25°52	23°18	28°45	3°35	27° 8	25°52	2°22	26°39	S 16
S 17	17 44 43	26°33'32	17°41	16°39	5°50	16°14	18°49	25°49	23°22	28°46	3°36	27° 4	25°49	2°29	26°46	S 17
M 18	17 48 40	27°30'44	2 ^{III} 14	18°18	7° 3	16°44	18°55	25°45	23°25	28°46	3°38	27° 0	25°46	2°36	26°53	M 18
T 19	17 52 36	28°27'56	16°50	19°55	8°16	17°15	19° 1	25°42	23°29	28°46	3°39	26°56	25°42	2°42	26°59	T 19
W 20	17 56 33	29°25'08	1 ^{II} 22	21°29	9°28	17°46	19° 7	25°38	23°32	28°47	3°40	26°53	25°39	2°49	27° 6	W 20
T 21	18 0 29	0 ^{III} 22'19	15°47	23° 1	10°41	18°17	19°14	25°34	23°36	28°47	3°42	26°50	25°36	2°56	27°13	T 21
F 22	18 4 26	1°19'31	29°59	24°30	11°54	18°48	19°20	25°30	23°39	28°47	3°43	26°D50	25°33	3° 3	27°20	F 22
S 23	18 8 22	2°16'43	13°V58	25°57	13° 7	19°19	19°27	25°27	23°43	28°48	3°45	26°50	25°30	3° 9	27°27	S 23
S 24	18 12 19	3°13'55	27°43	27°21	14°20	19°51	19°33	25°23	23°47	28°48	3°47	26°51	25°27	3°16	27°33	S 24
M 25	18 16 16	4°11'07	11 ^{II} 13	28°43	15°33	20°23	19°40	25°19	23°50	28°48	3°48	26°53	25°23	3°23	27°40	M 25
T 26	18 20 12	5° 8'19	24°30	0 ^{II} 3	16°46	20°54	19°47	25°15	23°54	28°48	3°50	26°R53	25°20	3°29	27°47	T 26
W 27	18 24 9	6° 5'32	7 ^{II} 34	1°20	17°59	21°26	19°54	25°11	23°57	28°49	3°51	26°53	25°17	3°36	27°54	W 27
T 28	18 28 5	7° 2'45	20°25	2°34	19°12	21°59	20° 1	25° 7	24° 1	28°49	3°53	26°51	25°14	3°43	28° 1	T 28
F 29	18 32 2	7°59'57	3 ^{III} 5	3°46	20°25	22°31	20° 9	25° 3	24° 4	28°49	3°54	26°47	25°11	3°50	28° 8	F 29
S 30	18 35 58	8 ^{III} 57'10	15 ^{III} 34	4 ^{II} 54	21 ^{II} 38	23 ^{III} 4	20 ^{III} 16	24 ^{III} 58	24 ^{II} 8	28 ^{II} 49	3 ^{II} 56	26 ^{II} 40	25 ^{II} 8	3 ^{III} 56	28 ^{II} 15	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	lat
F 1	22n10	20n58	2s24	23n49	1n 9	15n23	1s28	9n26	1n 8	6n10	1n21	20s56	0s 4	23n24	0n 8	1s47	1s20	24n44	5n26	19s35	19s26	6n26	14n42	6s34				
S 2	22 18	19 55	3 22	24 10	1 17	15 45	1 26	9 15	1 7	6 8	1 21	20 56	0 4	23 24	0 8	1 47	1 20	24 44	5 26	19 35	19 26	6 24	14 41	6 33				
S 3	22 25	17 56	4 10	24 29	1 25	16 6	1 25	9 3	1 5	6 6	1 21	20 57	0 4	23 24	0 8	1 47	1 20	24 44	5 26	19 35	19 25	6 22	14 40	6 33				
M 4	22 32	15 10	4 45	24 45	1 31	16 28	1 23	8 51	1 4	6 5	1 21	20 58	0 4	23 24	0 8	1 46	1 20	24 44	5 26	19 34	19 24	6 20	14 40	6 32				
T 5	22 39	11 48	5 7	24 58	1 38	16 48	1 21	8 39	1 3	6 3	1 20	20 58	0 4	23 24	0 8	1 46	1 20	24 43	5 26	19 33	19 23	6 17	14 39	6 32				
W 6	22 45	8 0	5 15	25 8	1 43	17 9	1 19	8 27	1 1	6 1	1 20	20 59	0 5	23 25	0 8	1 46	1 20	24 43	5 26	19 33	19 23	6 15	14 38	6 31				
T 7	22 51	3 55	5 10	25 16	1 48	17 29	1 18	8 15	1 0	5 59	1 20	20 59	0 5	23 25	0 8	1 45	1 20	24 42	5 26	19 33	19 22	6 13	14 38	6 31				
F 8	22 56	0s20	4 51	25 20	1 52	17 48	1 16	8 3	0 59	5 57	1 20	21 0	0 5	23 25	0 8	1 45	1 20	24 42	5 26	19 33	19 21	6 11	14 37	6 31				
S 9	23 1	4 36	4 20	25 23	1 55	18 7	1 14	7 51	0 57	5 55	1 20	21 1	0 5	23 25	0 8	1 45	1 20	24 42	5 26	19 33	19 20	6 8	14 36	6 30				
S 10	23 5	8 45	3 37	25 22	1 58	18 26	1 12	7 39	0 56	5 53	1 19	21 1	0 5	23 25	0 8	1 45	1 20	24 41	5 26	19 33	19 20	6 6	14 36	6 30				
M11	23 10	12 38	2 43	25 20	1 59	18 44	1 10	7 26	0 55	5 51	1 19	21 2	0 5	23 26	0 8	1 45	1 20	24 41	5 26	19 33	19 19	6 4	14 35	6 30				
T 12	23 13	16 2	1 39	25 15	2 0	19 2	1 8	7 14	0 53	5 49	1 19	21 3	0 5	23 26	0 8	1 44	1 20	24 41	5 26	19 34	19 18	6 1	14 34	6 29				
W13	23 17	18 45	0 29	25 8	2 1	19 19	1 6	7 1	0 52	5 47	1 19	21 3	0 5	23 26	0 8	1 44	1 20	24 40	5 26	19 34	19 17	5 59	14 33	6 29				
T 14	23 20	20 30	0n45	24 59	2 0	19 35	1 4	6 48	0 51	5 45	1 18	21 4	0 5	23 26	0 8	1 44	1 20	24 40	5 26	19 34	19 17	5 57	14 32	6 28				
F 15	23 22	21 5	1 58	24 47	1 59	19 52	1 2	6 36	0 49	5 42	1 18	21 5	0 5	23 26	0 8	1 44	1 20	24 40	5 26	19 34	19 16	5 55	14 31	6 28				
S 16	23 24	20 21	3 5	24 35	1 57	20 7	1 0	6 23	0 48	5 40	1 18	21 6	0 5	23 27	0 8	1 44	1 21	24 39	5 26	19 33	19 15	5 52	14 31	6 28				
S 17	23 26	18 19	4 2	24 20	1 55	20 22	0 57	6 10	0 47	5 37	1 18	21 6	0 6	23 27	0 8	1 44	1 21	24 39	5 26	19 32	19 14	5 50	14 30	6 27				
M18	23 27	15 5	4 44	24 4	1 51	20 37	0 55	5 57	0 46	5 35	1 18	21 7	0 6	23 27	0 8	1 43	1 21	24 39	5 26	19 31	19 14	5 48	14 29	6 27				
T 19	23 28	10 56	5 7	23 46	1 48	20 51	0 53	5 44	0 45	5 32	1 17	21 8	0 6	23 27	0 8	1 43	1 21	24 38	5 26	19 30	19 13	5 45	14 28	6 27				
W20	23 29	6 9	5 11	23 27	1 43	21 4	0 51	5 31	0 43	5 30	1 17	21 9	0 6	23 27	0 8	1 43	1 21	24 38	5 26	19 29	19 12	5 43	14 27	6 27				
T 21	23 29	1 5	4 55	23 7	1 38	21 17	0 48	5 17	0 42	5 27	1 17	21 9	0 6	23 28	0 8	1 43	1 21	24 37	5 26	19 29	19 11	5 41	14 26	6 26				
F 22	23 28	3n59	4 21	22 46	1 32	21 30	0 46	5 4	0 41	5 24	1 17	21 10	0 6	23 28	0 8	1 43	1 21	24 37	5 26	19 29	19 11	5 39	14 25	6 26				
S 23	23 27	8 47	3 33	22 24	1 26	21 41	0 44	4 51	0 40	5 22	1 17	21 11	0 6	23 28	0 8	1 43	1 21	24 37	5 25	19 29	19 10	5 36	14 24	6 26				
S 24	23 26	13 3	2 32	22 1	1 19	21 52	0 41	4 37	0 39	5 19	1 16	21 12	0 6	23 28	0 8	1 43	1 21	24 36	5 25	19 29	19 9	5 34	14 23	6 25				
M25	23 25	16 33	1 24	21 37	1 11	22 3	0 39	4 24	0 37	5 16	1 16	21 13	0 6	23 28	0 8	1 43	1 21	24 36	5 25	19 29	19 8	5 32	14 22	6 25				
T 26	23 23	19 8	0 13	21 12	1 3	22 13	0 36	4 10	0 36	5 13	1 16	21 13	0 6	23 28	0 8	1 43	1 21	24 36	5 25	19 30	19 8	5 29	14 21	6 25				
W27	23 20	20 39	0s58	20 47	0 55	22 22	0 34	3 56	0 35	5 10	1 16	21 14	0 6	23 29	0 8	1 43	1 21	24 35	5 25	19 29	19 7	5 27	14 20	6 25				
T 28	23 17	21 4	2 4	20 22	0 46	22 31	0 32	3 42	0 34	5 7	1 16	21 15	0 7	23 29	0 8	1 43	1 21	24 35	5 25	19 29	19 6	5 25	14 18	6 24				
F 29	23 14	20 23	3 3	19 56	0 46	22 39	0 29	3 29	0 33	5 4	1 15	21 16	0 7	23 29	0 8	1 43	1 21	24 34	5 25	19 28	19 5	5 23	14 17	6 24				
S 30	23n10	18n43	3s53	19n30	0m26	22n46	0s27	3n15	0n32	5n 1	1n15	21s17	0s 7	23n29	0n 8	1s43	1s21	24n34	5n26	19s27	19s 5	5n20	14n16	6s24				

ASTRODIENST EPHEMERIS for the year 1696

geocentric

JULY 1696 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	18 39 55	9°54'22	27°52	6°0	22°52	23°36	20°24	24°R54	24°11	28°R49	3°58	26°R33	25°M 4	4°M 3	28°22	S 1
M 2	18 43 52	10°51'35	10°1	7° 4	24° 5	24° 9	20°32	24°350	24°15	28°K49	3°59	26°M25	25° 1	4°10	28°29	M 2
T 3	18 47 48	11°48'48	22° 1	8° 4	25°18	24°42	20°40	24°46	24°18	28°49	4° 1	26°17	24°58	4°17	28°37	T 3
W 4	18 51 45	12°46'00	3°M55	9° 1	26°31	25°15	20°48	24°41	24°22	28°49	4° 2	26°10	24°55	4°23	28°44	W 4
T 5	18 55 41	13°43'12	15°47	9°54	27°44	25°48	20°56	24°37	24°25	28°48	4° 4	26° 5	24°52	4°30	28°51	T 5
F 6	18 59 38	14°40'25	27°39	10°45	28°57	26°22	21° 4	24°33	24°28	28°48	4° 6	26° 1	24°48	4°37	28°58	F 6
S 7	19 3 34	15°37'37	9°A37	11°32	0°511	26°55	21°12	24°28	24°32	28°48	4° 7	25°59	24°45	4°43	29° 5	S 7
S 8	19 7 31	16°34'50	21°45	12°16	1°24	27°29	21°21	24°24	24°35	28°48	4° 9	25°D59	24°42	4°50	29°13	S 8
M 9	19 11 27	17°32'02	4°M 7	12°55	2°37	28° 3	21°29	24°20	24°39	28°48	4°11	26° 0	24°39	4°57	29°20	M 9
T 10	19 15 24	18°29'15	16°49	13°31	3°51	28°37	21°38	24°15	24°42	28°47	4°12	26° 1	24°36	5° 4	29°27	T 10
W11	19 19 21	19°26'27	29°55	14° 3	5° 4	29°11	21°47	24°11	24°45	28°47	4°14	26°R 1	24°33	5°10	29°34	W11
T 12	19 23 17	20°23'40	13°A28	14°31	6°17	29°45	21°55	24° 7	24°49	28°47	4°16	26° 0	24°29	5°17	29°42	T 12
F 13	19 27 14	21°20'53	27°27	14°54	7°31	0°A20	22° 4	24° 2	24°52	28°46	4°18	25°57	24°26	5°24	29°49	F 13
S 14	19 31 10	22°18'07	11°S52	15°13	8°44	0°54	22°14	23°58	24°55	28°46	4°19	25°51	24°23	5°30	29°56	S 14
S 15	19 35 7	23°15'21	26°37	15°27	9°57	1°29	22°23	23°53	24°59	28°46	4°21	25°44	24°20	5°37	0°L 4	S 15
M16	19 39 3	24°12'35	11°A34	15°37	11°11	2° 3	22°32	23°49	25° 2	28°45	4°23	25°35	24°17	5°44	0°11	M16
T 17	19 43 0	25° 9'50	26°35	15°R42	12°24	2°38	22°41	23°44	25° 5	28°45	4°24	25°26	24°13	5°51	0°18	T 17
W18	19 46 56	26° 7'06	11°K30	15°41	13°38	3°13	22°51	23°40	25° 8	28°44	4°26	25°19	24°10	5°57	0°26	W18
T 19	19 50 53	27° 4'23	26°11	15°36	14°51	3°48	23° 0	23°36	25°11	28°43	4°28	25°13	24° 7	6° 4	0°33	T 19
F 20	19 54 50	28° 1'40	10°V32	15°26	16° 5	4°24	23°10	23°31	25°15	28°43	4°30	25°10	24° 4	6°11	0°40	F 20
S 21	19 58 46	28°58'59	24°33	15°11	17°19	4°59	23°20	23°27	25°18	28°42	4°31	25°D 9	24° 1	6°17	0°48	S 21
S 22	20 2 43	29°56'18	8°B12	14°51	18°32	5°34	23°30	23°22	25°21	28°42	4°33	25° 9	23°58	6°24	0°55	S 22
M23	20 6 39	0°L53'39	21°31	14°26	19°46	6°10	23°40	23°18	25°24	28°41	4°35	25°R 9	23°54	6°31	1° 2	M23
T 24	20 10 36	1°51'01	4°I32	13°57	21° 0	6°46	23°50	23°14	25°27	28°40	4°37	25° 9	23°51	6°38	1°10	T 24
W25	20 14 32	2°48'23	17°18	13°24	22°13	7°21	24° 0	23° 9	25°30	28°39	4°38	25° 7	23°48	6°44	1°17	W25
T 26	20 18 29	3°45'47	29°52	12°47	23°27	7°57	24°10	23° 5	25°33	28°39	4°40	25° 2	23°45	6°51	1°25	T 26
F 27	20 22 25	4°43'12	12°B16	12° 6	24°41	8°34	24°20	23° 1	25°36	28°38	4°42	24°55	23°42	6°58	1°32	F 27
S 28	20 26 22	5°40'38	24°31	11°24	25°54	9°10	24°31	22°56	25°39	28°37	4°44	24°45	23°39	7° 5	1°39	S 28
S 29	20 30 19	6°38'05	6°L38	10°39	27° 8	9°46	24°41	22°52	25°42	28°36	4°45	24°33	23°35	7°11	1°47	S 29
M30	20 34 15	7°35'32	18°39	9°53	28°22	10°22	24°52	22°48	25°45	28°35	4°47	24°20	23°32	7°18	1°54	M30
T 31	20 38 12	8°L33'01	0°M35	9°L 6	29°B36	10°A59	25°M 2	22°B44	25°I48	28°K34	4°L49	24°M 7	23°M29	7°M25	2°L 2	T 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
S 1	23n 6	16n12	4s30	19n 3	0n16	22n53	0s24	3n 1	0n31	4n58	1n15	21s18	0s 7	23n29	0n 8	S 1
M 2	23 2	13 1	4 55	18 37	0 5	22 59	0 22	2 47	0 30	4 54	1 15	21 19	0 7	23 29	0 8	M 2
T 3	22 57	9 21	5 7	18 11	0s 6	23 5	0 19	2 33	0 29	4 51	1 15	21 19	0 7	23 30	0 8	T 3
W 4	22 52	5 21	5 5	17 44	0 18	23 9	0 17	2 19	0 27	4 48	1 15	21 20	0 7	23 30	0 8	W 4
T 5	22 46	1 10	4 50	17 18	0 30	23 13	0 14	2 4	0 26	4 44	1 14	21 21	0 7	23 30	0 8	T 5
F 6	22 40	3s 5	4 22	16 53	0 43	23 17	0 12	1 50	0 25	4 41	1 14	21 22	0 7	23 30	0 8	F 6
S 7	22 34	7 14	3 43	16 28	0 56	23 20	0 9	1 36	0 24	4 38	1 14	21 23	0 7	23 30	0 8	S 7
S 8	22 27	11 10	2 54	16 3	1 9	23 22	0 7	1 21	0 23	4 34	1 14	21 24	0 7	23 30	0 8	S 8
M 9	22 20	14 43	1 55	15 39	1 22	23 23	0 4	1 7	0 22	4 31	1 14	21 25	0 8	23 31	0 8	M 9
T 10	22 12	17 41	0 49	15 16	1 36	23 24	0 2	0 53	0 21	4 27	1 14	21 25	0 8	23 31	0 8	T 10
W11	22 4	19 49	0n21	14 53	1 50	23 24	0n 1	0 38	0 20	4 23	1 13	21 26	0 8	23 31	0 8	W11
T 12	21 56	20 56	1 32	14 32	2 3	23 23	0 3	0 23	0 19	4 20	1 13	21 27	0 8	23 31	0 9	T 12
F 13	21 47	20 47	2 40	14 12	2 17	23 22	0 6	0 9	0 18	4 16	1 13	21 28	0 8	23 31	0 9	F 13
S 14	21 38	19 18	3 40	13 53	2 31	23 20	0 8	0s 6	0 17	4 12	1 13	21 29	0 8	23 31	0 9	S 14
S 15	21 28	16 30	4 26	13 36	2 45	23 17	0 11	0 21	0 16	4 9	1 13	21 30	0 8	23 31	0 9	S 15
M16	21 18	12 36	4 55	13 20	2 59	23 14	0 13	0 35	0 15	4 5	1 13	21 31	0 8	23 32	0 9	M16
T 17	21 8	7 54	5 4	13 5	3 13	23 9	0 16	0 50	0 14	4 1	1 12	21 31	0 8	23 32	0 9	T 17
W18	20 58	2 45	4 52	12 53	3 26	23 5	0 18	1 5	0 13	3 57	1 12	21 32	0 8	23 32	0 9	W18
T 19	20 47	2n29	4 21	12 42	3 39	22 59	0 20	1 20	0 12	3 53	1 12	21 33	0 8	23 32	0 9	T 19
F 20	20 35	7 28	3 34	12 33	3 51	22 53	0 23	1 35	0 11	3 49	1 12	21 34	0 8	23 32	0 9	F 20
S 21	20 24	11 56	2 36	12 26	4 3	22 46	0 25	1 50	0 10	3 45	1 12	21 35	0 9	23 32	0 9	S 21
S 22	20 12	15 40	1 29	12 22	4 14	22 39	0 27	2 4	0 9	3 41	1 12	21 36	0 9	23 32	0 9	S 22
M23	19 59	18 29	0 19	12 19	4 23	22 31	0 30	2 19	0 8	3 37	1 12	21 36	0 9	23 32	0 9	M23
T 24	19 47	20 16	0s50	12 19	4 32	22 22	0 32	2 34	0 7	3 33	1 11	21 37	0 9	23 33	0 9	T 24
W25	19 34	20 58	1 55	12 21	4 40	22 12	0 34	2 49	0 7	3 29	1 11	21 38	0 9	23 33	0 9	W25
T 26	19 20	20 35	2 53	12 26	4 46	22 2	0 36	3 5	0 6	3 25	1 11	21 39	0 9	23 33	0 9	T 26
F 27	19 7	19 13	3 42	12 32	4 50	21 51	0 38	3 20	0 5	3 20	1 11	21 40	0 9	23 33	0 9	F 27
S 28	18 53	16 59	4 21	12 41	4 53	21 40	0 41	3 35	0 4	3 16	1 11	21 40	0 9	23 33	0 9	S 28
S 29	18 39	14 1	4 46	12 52	4 55	21 28	0 43	3 50	0 3	3 12	1 11	21 41	0 9	23 33	0 9	S 29
M30	18 24	10 31	4 59	13 5	4 54	21 15	0 45	4 5	0 2	3 8	1 11	21 42	0 9	23 33	0 9	M30
T 31	18n 9	6n37	4s59	13n19	4s52	21n 2	0n47	4s20	0n 1	3n 3	1n11	21s43	0s 9	23n33	0n 9	T 31

Julian Day Number = 2340693.5, Delta T = 15.59 sec
 Ecliptic obliquity = 23°28'38", Nutation = 0°00'15", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°30'13", Lahiri = 19°37'14"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1696

geocentric

AUGUST 1696 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	20 42 8	9♂30'30	12♂27	8°R20	0♂50	11♂36	25♂13	22°R39	25♂50	28°R34	4♂51	23°R55	23♂26	7♂31	2♂9	W 1
T 2	20 46 5	10°28'01	24°17	7♂35	2° 4	12°12	25°24	22♂35	25°53	28°R33	4°52	23♂46	23°23	7°38	2°16	T 2
F 3	20 50 1	11°25'32	6♂8	6°53	3°18	12°49	25°35	22°31	25°56	28°32	4°54	23°38	23°19	7°45	2°24	F 3
S 4	20 53 58	12°23'04	18° 5	6°13	4°32	13°26	25°46	22°27	25°59	28°31	4°56	23°34	23°16	7°52	2°31	S 4
S 5	20 57 54	13°20'37	0♂10	5°38	5°46	14° 3	25°56	22°23	26° 1	28°30	4°58	23°32	23°13	7°58	2°38	S 5
M 6	21 1 51	14°18'11	12°29	5° 6	7° 0	14°40	26° 8	22°19	26° 4	28°28	4°59	23°D31	23°10	8° 5	2°46	M 6
T 7	21 5 48	15°15'46	25° 8	4°41	8°14	15°18	26°19	22°15	26° 7	28°27	5° 1	23°R31	23° 7	8°12	2°53	T 7
W 8	21 9 44	16°13'22	8♂10	4°21	9°28	15°55	26°30	22°11	26° 9	28°26	5° 3	23°31	23° 4	8°18	3° 0	W 8
T 9	21 13 41	17°10'58	21°40	4° 7	10°42	16°33	26°41	22° 8	26°12	28°25	5° 5	23°28	23° 0	8°25	3° 8	T 9
F 10	21 17 37	18° 8'36	5♂39	4°D 0	11°56	17°10	26°52	22° 4	26°14	28°24	5° 6	23°24	22°57	8°32	3°15	F 10
S 11	21 21 34	19° 6'15	20° 7	4° 0	13°10	17°48	27° 4	22° 0	26°17	28°23	5° 8	23°17	22°54	8°39	3°22	S 11
S 12	21 25 30	20° 3'55	5♂1	4° 7	14°24	18°26	27°15	21°56	26°19	28°22	5°10	23° 8	22°51	8°45	3°29	S 12
M13	21 29 27	21° 1'36	20°11	4°22	15°38	19° 4	27°27	21°53	26°22	28°20	5°11	22°57	22°48	8°52	3°37	M13
T 14	21 33 23	21°59'19	5♂29	4°44	16°52	19°42	27°38	21°49	26°24	28°19	5°13	22°46	22°45	8°59	3°44	T 14
W15	21 37 20	22°57'03	20°29	5°14	18° 6	20°20	27°50	21°46	26°26	28°18	5°15	22°36	22°41	9° 5	3°51	W15
T 16	21 41 17	23°54'48	5♂40	5°51	19°21	20°58	28° 2	21°42	26°29	28°17	5°16	22°29	22°38	9°12	3°58	T 16
F 17	21 45 13	24°52'36	20°15	6°36	20°35	21°36	28°13	21°39	26°31	28°15	5°18	22°24	22°35	9°19	4° 5	F 17
S 18	21 49 10	25°50'24	4♂25	7°27	21°49	22°15	28°25	21°36	26°33	28°14	5°20	22°22	22°32	9°26	4°12	S 18
S 19	21 53 6	26°48'15	18° 8	8°26	23° 3	22°53	28°37	21°33	26°35	28°13	5°21	22°21	22°29	9°32	4°20	S 19
M20	21 57 3	27°46'08	1♂26	9°31	24°18	23°32	28°49	21°29	26°38	28°11	5°23	22°21	22°25	9°39	4°27	M20
T 21	22 0 59	28°44'02	14°22	10°43	25°32	24°10	29° 1	21°26	26°40	28°10	5°25	22°20	22°22	9°46	4°34	T 21
W22	22 4 56	29°41'58	26°59	12° 1	26°46	24°49	29°13	21°23	26°42	28° 8	5°26	22°18	22°19	9°52	4°41	W22
T 23	22 8 52	0♂39'57	9♂23	13°24	28° 1	25°28	29°25	21°20	26°44	28° 7	5°28	22°13	22°16	9°59	4°48	T 23
F 24	22 12 49	1°37'56	21°35	14°52	29°15	26° 7	29°37	21°18	26°46	28° 6	5°30	22° 5	22°13	10° 6	4°55	F 24
S 25	22 16 46	2°35'58	3♂40	16°26	0♂29	26°46	29°49	21°15	26°48	28° 4	5°31	22°55	22°10	10°13	5° 2	S 25
S 26	22 20 42	3°34'01	15°39	18° 3	1°44	27°25	0♂2	21°12	26°50	28° 3	5°33	21°43	22° 6	10°19	5° 9	S 26
M27	22 24 39	4°32'06	27°34	19°44	2°58	28° 4	0°14	21° 9	26°51	28° 1	5°34	21°29	22° 3	10°26	5°15	M27
T 28	22 28 35	5°30'13	9♂26	21°28	4°13	28°44	0°26	21° 7	26°53	28° 0	5°36	21°15	22° 0	10°33	5°22	T 28
W29	22 32 32	6°28'21	21°17	23°16	5°27	29°23	0°38	21° 4	26°55	27°58	5°37	21° 3	21°57	10°40	5°29	W29
T 30	22 36 28	7°26'32	3♂8	25° 5	6°42	0♂3	0°51	21° 2	26°57	27°57	5°39	20°52	21°54	10°46	5°36	T 30
F 31	22 40 25	8♂24'43	15♂2	26♂56	7♂56	0♂42	1♂3	21♂0	26♂58	27♂55	5♂40	20♂44	21♂51	10♂53	5♂43	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
W 1	17n54	2n30	4s46	13n35	4s48	20n48	0n49	4s35	0n 0	2n59	1n10	21s44	0s10	23n33	0n 9	1s50	1s23	24n22	5n27	18s47	18s40	4n 7	13n31	6s22					
T 2	17 39	1s42	4 20	13 52	4 42	20 33	0 51	4 50	0s 1	2 54	1 10	21 44	0 10	23 34	0 9	1 51	1 23	24 22	5 27	18 45	18 39	4 5	13 29	6 22					
F 3	17 23	5 51	3 43	14 10	4 34	20 18	0 53	5 6	0 2	2 50	1 10	21 45	0 10	23 34	0 9	1 51	1 23	24 21	5 27	18 43	18 38	4 3	13 27	6 22					
S 4	17 7	9 48	2 56	14 28	4 25	20 2	0 54	5 21	0 2	2 46	1 10	21 46	0 10	23 34	0 9	1 52	1 23	24 21	5 27	18 42	18 37	4 1	13 26	6 22					
S 5	16 50	13 25	2 0	14 48	4 14	19 46	0 56	5 36	0 3	2 41	1 10	21 47	0 10	23 34	0 9	1 52	1 23	24 21	5 27	18 41	18 36	3 58	13 24	6 22					
M 6	16 34	16 32	0 58	15 7	4 1	19 29	0 58	5 51	0 4	2 37	1 10	21 47	0 10	23 34	0 9	1 53	1 23	24 20	5 27	18 41	18 36	3 56	13 22	6 22					
T 7	16 17	18 56	0n 9	15 26	3 48	19 12	1 0	6 6	0 5	2 32	1 10	21 48	0 10	23 34	0 9	1 53	1 23	24 20	5 27	18 41	18 35	3 54	13 21	6 22					
W 8	16 0	20 26	1 17	15 45	3 33	18 54	1 1	6 22	0 6	2 28	1 10	21 49	0 10	23 34	0 9	1 54	1 23	24 20	5 28	18 41	18 34	3 52	13 19	6 22					
T 9	15 43	20 50	2 23	16 3	3 18	18 35	1 3	6 37	0 7	2 23	1 10	21 49	0 10	23 34	0 9	1 54	1 23	24 19	5 28	18 40	18 33	3 49	13 17	6 22					
F 10	15 25	19 59	3 23	16 21	3 1	18 16	1 4	6 52	0 7	2 18	1 9	21 50	0 10	23 34	0 9	1 55	1 23	24 19	5 28	18 39	18 32	3 47	13 15	6 22					
S 11	15 7	17 49	4 12	16 37	2 44	17 57	1 6	7 7	0 8	2 14	1 9	21 51	0 10	23 34	0 9	1 55	1 23	24 19	5 28	18 37	18 32	3 45	13 14	6 22					
S 12	14 49	14 25	4 46	16 52	2 27	17 37	1 7	7 22	0 9	2 9	1 9	21 51	0 10	23 34	0 9	1 56	1 23	24 18	5 28	18 35	18 31	3 43	13 12	6 23					
M13	14 31	10 2	5 0	17 6	2 10	17 16	1 9	7 38	0 10	2 4	1 9	21 52	0 10	23 35	0 9	1 56	1 23	24 18	5 28	18 32	18 30	3 40	13 10	6 23					
T 14	14 12	4 58	4 53	17 18	1 52	16 55	1 10	7 53	0 11	2 0	1 9	21 53	0 11	23 35	0 9	1 57	1 23	24 18	5 28	18 30	18 29	3 38	13 8	6 23					
W15	13 53	0n22	4 25	17 27	1 35	16 34	1 12	8 8	0 12	1 55	1 9	21 53	0 11	23 35	0 9	1 57	1 23	24 17	5 28	18 27	18 28	3 36	13 7	6 23					
T 16	13 34	5 37	3 40	17 35	1 18	16 12	1 13	8 23	0 12	1 50	1 9	21 54	0 11	23 35	0 9	1 58	1 23	24 17	5 28	18 25	18 28	3 33	13 5	6 23					
F 17	13 15	10 24	2 41	17 40	1 1	15 49	1 14	8 38	0 13	1 46	1 9	21 55	0 11	23 35	0 9	1 58	1 23	24 17	5 29	18 24	18 27	3 31	13 3	6 23					
S 18	12 56	14 29	1 33	17 43	0 44	15 26	1 15	8 53	0 14	1 41	1 9	21 55	0 11	23 35	0 9	1 59	1 24	24 16	5 29	18 23	18 26	3 29	13 1	6 24					
S 19	12 36	17 37	0 22	17 44	0 28	15 3	1 16	9 8	0 15	1 36	1 9	21 56	0 11	23 35	0 9	1 59	1 24	24 16	5 29	18 23	18 25	3 27	12 59	6 24					
M20	12 16	19 42	0s48	17 41	0 13	14 39	1 17	9 23	0 15	1 31	1 9	21 56	0 11	23 35	0 9	2 0	1 24	24 16	5 29	18 23	18 24	3 24	12 57	6 24					
T 21	11 56	20 41	1 54	17 36	0n 1	14 15	1 18	9 38	0 16	1 26	1 8	21 57	0 11	23 35	0 9	2 1	1 24	24 15	5 29	18 23	18 24	3 22	12 56	6 24					
W22	11 36	20 35	2 52	17 28	0 15	13 51	1 19	9 53	0 17	1 21	1 8	21 57	0 11	23 35	0 9	2 1	1 24	24 15	5 29	18 22	18 23	3 20	12 54	6 25					
T 23	11 15	19 28	3 41	17 16	0 28	13 26	1 20	10 8	0 18	1 17	1 8	21 58	0 11	23 35	0 9	2 2	1 24	24 15	5 29	18 21	18 22	3 18	12 52	6 25					
F 24	10 55	17 28	4 19	17 2	0 40	13 1	1 21	10 23	0 18	1 12	1 8	21 59	0 11	23 35	0 9	2 2	1 24	24 15	5 29	18 19	18 21	3 15	12 50	6 25					
S 25	10 34	14 44	4 45	16 45	0 51	12 35	1 21	10 38	0 19	1 7	1 8	21 59	0 11	23 35	0 9	2 3	1 24	24 14	5 30	18 16	18 20	3 13	12 48	6 25					
S 26	10 13	11 25	4 59	16 25	1 1	12 9	1 22	10 53	0 20	1 2	1 8	21 59	0 11	23 36	0 9	2 4	1 24	24 14	5 30	18 13	18 19	3 11	12 46	6 25					
M27	9 52	7 40	4 59	16 2	1 10	11 43	1 22	11 8	0 21	0 57	1 8	22 0	0 12	23 36	0 9	2 4	1 24	24 14	5 30	18 10	18 19	3 9	12 45	6 26					
T 28	9 30	3 38	4 46	15 36	1 18	11 16	1 23	11 22	0 21	0 52	1 8	22 0	0 12	23 36	0 9	2 5	1 24	24 14	5 30	18 6	18 18	3 6	12 43	6 26					
W29	9 9	0s31	4 20	15 7	1 25	10 49	1 23	11 37	0 22	0 47	1 8	22 1	0 12	23 36	0 9	2 5	1 24	24 13	5 30	18 3	18 17	3 4	12 41	6 26					
T 30	8 47	4 40	3 43	14 37	1 13	10 22	1 24	11 52	0 23	0 42	1 8	22 1	0 12	23 36	0 9	2 6	1 24	24 13	5 30	18 0	18 16	3 2	12 39	6 27					
F 31	8n26	8s39	2s57	14n 3	1n36	9n54	1n24	12s 6	0s24	0n37	1n 8	22s 2	0s12	23n36	0n 9	2s 7	1s24	24n13	5n30	17s58	18s15	3n 0	12n37	6s27					

ASTRODIENST EPHEMERIS for the year 1696

geocentric

SEPTEMBER 1696 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	22 44 21	9 ^m 22'56	27 ^h 11	28 ^h 04	9 ^m 11	1 ^m 22	1 ^h 16	20°R58	27 ^h 11	27°R54	5 ^h 04	20°R39	21 ^m 47	11 ^m 0	5 ^h 04	S 1
S 2	22 48 18	10°21'11	9 ^m 8	0 ^m 43	10°25	2° 2	1°28	20°35	27° 1	27°52	5°43	20°37	21°44	11° 6	5°56	S 2
M 3	22 52 14	11°19'28	21°28	2°37	11°40	2°42	1°41	20°53	27° 3	27°50	5°45	20°D36	21°41	11°13	6° 2	M 3
T 4	22 56 11	12°17'46	4 ^m 4	4°32	12°54	3°22	1°53	20°51	27° 4	27°49	5°46	20°37	21°38	11°20	6° 9	T 4
W 5	23 0 8	13°16'05	17° 2	6°27	14° 9	4° 2	2° 6	20°50	27° 6	27°47	5°48	20°R37	21°35	11°27	6°16	W 5
T 6	23 4 4	14°14'27	0 ^m 25	8°22	15°24	4°42	2°18	20°48	27° 7	27°46	5°49	20°36	21°31	11°33	6°22	T 6
F 7	23 8 1	15°12'49	14°17	10°17	16°38	5°23	2°31	20°46	27° 9	27°44	5°51	20°33	21°28	11°40	6°29	F 7
S 8	23 11 57	16°11'14	28°37	12°11	17°53	6° 3	2°44	20°45	27°10	27°42	5°52	20°27	21°25	11°47	6°35	S 8
S 9	23 15 54	17° 9'40	13 ^m 24	14° 5	19° 8	6°43	2°56	20°43	27°11	27°41	5°54	20°19	21°22	11°53	6°41	S 9
M10	23 19 50	18° 8'07	28°31	15°58	20°22	7°24	3° 9	20°42	27°12	27°39	5°55	20°10	21°19	12° 0	6°48	M10
T 11	23 23 47	19° 6'36	13 ^m 49	17°50	21°37	8° 4	3°22	20°40	27°13	27°38	5°56	20° 1	21°16	12° 7	6°54	T 11
W12	23 27 43	20° 5'07	29° 7	19°42	22°51	8°45	3°35	20°39	27°14	27°36	5°58	19°53	21°12	12°14	7° 0	W12
T 13	23 31 40	21° 3'41	14 ^m 14	21°32	24° 6	9°26	3°47	20°38	27°16	27°34	5°59	19°47	21° 9	12°20	7° 6	T 13
F 14	23 35 37	22° 2'16	29° 0	23°22	25°21	10° 7	4° 0	20°37	27°16	27°33	6° 0	19°43	21° 6	12°27	7°12	F 14
S 15	23 39 33	23° 0'53	13 ^m 21	25°11	26°36	10°48	4°13	20°36	27°17	27°31	6° 2	19°D41	21° 3	12°34	7°18	S 15
S 16	23 43 30	23°59'33	27°13	26°58	27°50	11°29	4°26	20°35	27°18	27°29	6° 3	19°41	21° 0	12°40	7°24	S 16
M17	23 47 26	24°58'15	10 ^m 37	28°45	29° 5	12°10	4°39	20°35	27°19	27°28	6° 4	19°42	20°56	12°47	7°30	M17
T 18	23 51 23	25°56'59	23°36	0 ^m 31	0 ^m 20	12°51	4°52	20°34	27°20	27°26	6° 5	19°R43	20°53	12°54	7°36	T 18
W19	23 55 19	26°55'46	6 ^m 13	2°16	1°35	13°32	5° 4	20°33	27°21	27°24	6° 7	19°42	20°50	13° 0	7°42	W19
T 20	23 59 16	27°54'35	18°34	4° 0	2°49	14°14	5°17	20°33	27°21	27°23	6° 8	19°40	20°47	13° 7	7°48	T 20
F 21	0 3 12	28°53'26	0 ^m 42	5°43	4° 4	14°55	5°30	20°33	27°22	27°21	6° 9	19°35	20°44	13°14	7°53	F 21
S 22	0 7 9	29°52'19	12°41	7°25	5°19	15°37	5°43	20°32	27°22	27°19	6°10	19°29	20°41	13°21	7°59	S 22
S 23	0 11 6	0 ^m 51'14	24°35	9° 6	6°34	16°18	5°56	20°32	27°23	27°18	6°11	19°21	20°37	13°27	8° 5	S 23
M24	0 15 2	1°50'12	6 ^m 27	10°46	7°48	17° 0	6° 9	20°D32	27°23	27°16	6°12	19°11	20°34	13°34	8°10	M24
T 25	0 18 59	2°49'12	18°18	12°25	9° 3	17°42	6°22	20°32	27°24	27°14	6°13	19° 2	20°31	13°41	8°16	T 25
W26	0 22 55	3°48'13	0 ^m 11	14° 4	10°18	18°24	6°35	20°32	27°24	27°13	6°14	18°54	20°28	13°47	8°21	W26
T 27	0 26 52	4°47'17	12° 8	15°41	11°33	19° 6	6°48	20°33	27°25	27°11	6°16	18°47	20°25	13°54	8°26	T 27
F 28	0 30 48	5°46'23	24° 9	17°18	12°48	19°48	7° 1	20°33	27°25	27° 9	6°17	18°42	20°22	14° 1	8°32	F 28
S 29	0 34 45	6°45'31	6 ^m 16	18°54	14° 3	20°30	7°14	20°33	27°25	27° 8	6°18	18°39	20°18	14° 8	8°37	S 29
S 30	0 38 41	7 ^h 44'41	18 ^m 32	20 ^h 29	15 ^h 18	21 ^m 12	7 ^h 27	20°34	27°25	27° 6	6°19	18°D38	20 ^m 15	14 ^m 14	8 ^h 04	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	8n 4	12s19	2s 2	13n28	1n40	9n27	1n24	12s21	0s24	0n32	1n 8	22s 2	0s12	23n36	0n 9	2s 7	1s24	24n13	5n31	17s57	18s15	2n57	12n35	6s27			
S 2	7 42	15 31	1 1	12 51	1 43	8 59	1 25	12 35	0 25	0 27	1 8	22 3	0 12	23 36	0 9	2 8	1 24	24 12	5 31	17 56	18 14	2 55	12 33	6 28			
M 3	7 20	18 5	0n 5	12 12	1 46	8 30	1 25	12 50	0 26	0 22	1 8	22 3	0 12	23 36	0 9	2 9	1 24	24 12	5 31	17 56	18 13	2 53	12 31	6 28			
T 4	6 58	19 50	1 11	11 32	1 47	8 2	1 25	13 4	0 26	0 17	1 8	22 3	0 12	23 36	0 9	2 9	1 24	24 12	5 31	17 56	18 12	2 51	12 29	6 28			
W 5	6 35	20 35	2 16	10 50	1 48	7 33	1 25	13 19	0 27	0 12	1 7	22 4	0 12	23 36	0 9	2 10	1 24	24 12	5 31	17 56	18 11	2 48	12 28	6 29			
T 6	6 13	20 13	3 15	10 7	1 48	7 4	1 25	13 33	0 28	0 7	1 7	22 4	0 12	23 36	0 9	2 11	1 24	24 11	5 31	17 56	18 10	2 46	12 26	6 29			
F 7	5 50	18 38	4 6	9 23	1 47	6 35	1 25	13 47	0 28	0 2	1 7	22 4	0 12	23 36	0 9	2 11	1 24	24 11	5 31	17 55	18 10	2 44	12 24	6 29			
S 8	5 27	15 52	4 42	8 38	1 46	6 6	1 24	14 1	0 29	0s 3	1 7	22 5	0 12	23 36	0 9	2 12	1 24	24 11	5 32	17 53	18 9	2 42	12 22	6 30			
S 9	5 5	12 0	5 2	7 52	1 44	5 36	1 24	14 15	0 30	0 8	1 7	22 5	0 12	23 36	0 9	2 13	1 24	24 11	5 32	17 51	18 8	2 39	12 20	6 30			
M10	4 42	7 18	5 1	7 6	1 42	5 6	1 24	14 29	0 30	0 14	1 7	22 5	0 12	23 36	0 9	2 13	1 24	24 11	5 32	17 49	18 7	2 37	12 18	6 30			
T 11	4 19	2 6	4 38	6 20	1 39	4 37	1 23	14 43	0 31	0 19	1 7	22 5	0 13	23 36	0 9	2 14	1 24	24 11	5 32	17 46	18 6	2 35	12 16	6 31			
W12	3 56	3n15	3 56	5 33	1 35	4 7	1 23	14 57	0 32	0 24	1 7	22 6	0 13	23 36	0 9	2 15	1 24	24 10	5 32	17 44	18 5	2 33	12 14	6 31			
T 13	3 33	8 21	2 58	4 46	1 32	3 36	1 22	15 10	0 32	0 29	1 7	22 6	0 13	23 36	0 9	2 15	1 24	24 10	5 33	17 43	18 5	2 30	12 12	6 32			
F 14	3 10	12 50	1 48	3 59	1 27	3 6	1 22	15 24	0 33	0 34	1 7	22 6	0 13	23 36	0 9	2 16	1 24	24 10	5 33	17 41	18 4	2 28	12 10	6 32			
S 15	2 47	16 25	0 34	3 31	1 23	2 36	1 21	15 37	0 34	0 39	1 7	22 6	0 13	23 36	0 10	2 17	1 24	24 10	5 33	17 41	18 3	2 26	12 9	6 32			
S 16	2 23	18 55	0s40	2 24	1 18	2 6	1 21	15 51	0 34	0 44	1 7	22 7	0 13	23 37	0 10	2 17	1 24	24 10	5 33	17 41	18 2	2 24	12 7	6 33			
M17	2 0	20 16	1 50	1 37	1 13	1 35	1 20	16 4	0 35	0 49	1 7	22 7	0 13	23 37	0 10	2 18	1 24	24 10	5 33	17 41	18 1	2 21	12 5	6 33			
T 18	1 37	20 28	2 52	0 49	1 7	1 5	1 19	16 17	0 36	0 55	1 7	22 7	0 13	23 37	0 10	2 19	1 24	24 9	5 33	17 41	18 0	2 19	12 3	6 34			
W19	1 13	19 37	3 43	0 2	1 2	0 34	1 18	16 30	0 36	1 0	1 7	22 7	0 13	23 37	0 10	2 19	1 24	24 9	5 34	17 41	18 0	2 17	12 1	6 34			
T 20	0 50	17 50	4 23	0s44	0 56	0 3	1 17	16 43	0 37	1 5	1 7	22 7	0 13	23 37	0 10	2 20	1 24	24 9	5 34	17 41	17 59	2 15	11 59	6 35			
F 21	0 27	15 18	4 51	1 31	0 50	0s27	1 16	16 56	0 37	1 10	1 7	22 7	0 13	23 37	0 10	2 21	1 24	24 9	5 34	17 39	17 58	2 12	11 57	6 35			
S 22	0 3	12 9	5 5	2 17	0 43	0 58	1 15	17 9	0 38	1 15	1 7	22 7	0 13	23 37	0 10	2 21	1 24	24 9	5 34	17 38	17 57	2 10	11 55	6 36			
S 23	0s20	8 32	5 6	3 3	0 37	1 29	1 14	17 22	0 39	1 20	1 7	22 7	0 13	23 37	0 10	2 22	1 24	24 9	5 34	17 35	17 56	2 8	11 54	6 36			
M24	0 44	4 37	4 53	3 48	0 30	1 59	1 13	17 34	0 39	1 25	1 7	22 8	0 13	23 37	0 10	2 23	1 24	24 9	5 35	17 33	17 55	2 6	11 52	6 37			
T 25	1 7	0 31	4 28	4 33	0 23	2 30	1 11	17 46	0 40	1 31	1 7	22 8	0 13	23 37	0 10	2 23	1 24	24 9	5 35	17 30	17 54	2 3	11 50	6 37			
W26	1 31	3s37	3 52	5 18	0 17	3 1	1 10	17 59	0 40	1 36	1 7	22 8	0 13	23 37	0 10	2 24	1 24	24 9	5 35	17 28	17 54	2 1	11 48	6 38			
T 27	1 54	7 38	3 5	6 2	0 10	3 31	1 9	18 11	0 41	1 41	1 7	22 8	0 14	23 37	0 10	2 25	1 24	24 8	5 35	17 26	17 53	1 59	11 46	6 38			
F 28	2 18	11 22	2 9	6 46	0 3	4 2	1 7	18 23	0 42	1 46	1 7	22 8	0 14	23 37	0 10	2 25	1 24	24 8	5 35	17 25	17 52	1 57	11 44	6 39			
S 29	2 41	14 41	1 7	7 29	0s 4	4 32	1 6	18 35	0 42	1 51	1 7	22 8	0 14	23 37	0 10	2 26	1 24	24 8	5 36	17 24	17 51	1 54	11 43	6 39			
S 30	3s 5	17s23	0s 0	8s11	0s11	5s 2	1n 4	18s47	0s43	1s56	1n 7	22s 8	0s14	23n37	0n10	2s27	1s24	24n 8	5n36	17s24	17s50	1n52	11n41	6s40			

ASTRODIENST EPHEMERIS for the year 1696
geocentric

OCTOBER 1696 GC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	0 42 38	8♌43'53	1♊0	22♎3	16♌32	21♍54	7♌40	20♊35	27♒25	27°R 4	6♏19	18♍39	20♍12	14♐21	8♏47	M 1
T 2	0 46 34	9°43'07	13°42	23°37	17°47	22°37	7°53	20°35	27°R25	27°R 3	6°20	18°40	20° 9	14°28	8°52	T 2
W 3	0 50 31	10°42'22	26°42	25° 9	19° 2	23°19	8° 6	20°36	27°25	27° 1	6°21	18°42	20° 6	14°34	8°57	W 3
T 4	0 54 28	11°41'39	10♊2	26°41	20°17	24° 2	8°19	20°37	27°25	27° 0	6°22	18°R42	20° 2	14°41	9° 2	T 4
F 5	0 58 24	12°40'58	23°45	28°12	21°32	24°44	8°32	20°38	27°25	26°58	6°23	18°42	19°59	14°48	9° 6	F 5
S 6	1 2 21	13°40'19	7♎52	29°43	22°47	25°27	8°45	20°39	27°25	26°56	6°24	18°40	19°56	14°55	9°11	S 6
S 7	1 6 17	14°39'42	22°22	1♍13	24° 2	26°10	8°58	20°41	27°25	26°55	6°25	18°36	19°53	15° 1	9°16	S 7
M 8	1 10 14	15°39'06	7♋12	2°42	25°16	26°53	9°11	20°42	27°24	26°53	6°26	18°32	19°50	15° 8	9°20	M 8
T 9	1 14 10	16°38'32	22°13	4°10	26°31	27°36	9°24	20°43	27°24	26°52	6°26	18°27	19°47	15°15	9°24	T 9
W10	1 18 7	17°38'00	7♐19	5°37	27°46	28°18	9°37	20°45	27°24	26°50	6°27	18°23	19°43	15°21	9°29	W10
T 11	1 22 3	18°37'30	22°19	7° 4	29° 1	29° 2	9°50	20°47	27°23	26°49	6°28	18°19	19°40	15°28	9°33	T 11
F 12	1 26 0	19°37'02	7♉5	8°30	0♍16	29°45	10° 3	20°48	27°23	26°47	6°28	18°18	19°37	15°35	9°37	F 12
S 13	1 29 57	20°36'36	21°29	9°55	1°31	0♊28	10°16	20°50	27°22	26°46	6°29	18°D17	19°34	15°42	9°41	S 13
S 14	1 33 53	21°36'12	5♒27	11°19	2°46	1°11	10°28	20°52	27°22	26°44	6°30	18°18	19°31	15°48	9°45	S 14
M15	1 37 50	22°35'51	18°59	12°43	4° 1	1°54	10°41	20°54	27°21	26°43	6°30	18°20	19°27	15°55	9°49	M15
T 16	1 41 46	23°35'32	2♌5	14° 5	5°16	2°38	10°54	20°56	27°20	26°41	6°31	18°21	19°24	16° 2	9°53	T 16
W17	1 45 43	24°35'15	14°47	15°27	6°30	3°21	11° 7	20°58	27°19	26°40	6°32	18°22	19°21	16° 8	9°57	W17
T 18	1 49 39	25°35'01	27°11	16°47	7°45	4° 5	11°20	21° 1	27°19	26°38	6°32	18°R23	19°18	16°15	10° 1	T 18
F 19	1 53 36	26°34'48	9♏20	18° 6	9° 0	4°48	11°33	21° 3	27°18	26°37	6°33	18°22	19°15	16°22	10° 4	F 19
S 20	1 57 32	27°34'38	21°18	19°25	10°15	5°32	11°45	21° 6	27°17	26°36	6°33	18°20	19°12	16°28	10° 8	S 20
S 21	2 1 29	28°34'30	3♐11	20°42	11°30	6°16	11°58	21° 8	27°16	26°34	6°34	18°18	19° 8	16°35	10°11	S 21
M22	2 5 26	29°34'25	15° 1	21°57	12°45	7° 0	12°11	21°11	27°15	26°33	6°34	18°15	19° 5	16°42	10°14	M22
T 23	2 9 22	0♍34'21	26°54	23°12	14° 0	7°44	12°23	21°14	27°14	26°32	6°34	18°12	19° 2	16°49	10°18	T 23
W24	2 13 19	1°34'20	8♌51	24°24	15°15	8°28	12°36	21°17	27°13	26°30	6°35	18° 9	18°59	16°55	10°21	W24
T 25	2 17 15	2°34'20	20°54	25°35	16°30	9°12	12°49	21°20	27°12	26°29	6°35	18° 7	18°56	17° 2	10°24	T 25
F 26	2 21 12	3°34'22	3♍6	26°44	17°45	9°56	13° 1	21°23	27°10	26°28	6°35	18° 6	18°53	17° 9	10°27	F 26
S 27	2 25 8	4°34'27	15°28	27°50	19° 0	10°40	13°14	21°26	27° 9	26°27	6°36	18°D 5	18°49	17°15	10°30	S 27
S 28	2 29 5	5°34'33	28° 1	28°54	20°15	11°24	13°26	21°29	27° 8	26°25	6°36	18° 5	18°46	17°22	10°32	S 28
M29	2 33 1	6°34'41	10♊45	29°56	21°30	12° 9	13°39	21°32	27° 7	26°24	6°36	18° 6	18°43	17°29	10°35	M29
T 30	2 36 58	7°34'51	23°43	0♊54	22°44	12°53	13°51	21°36	27° 5	26°23	6°37	18° 7	18°40	17°36	10°38	T 30
W31	2 40 55	8♍35'02	6♊56	1♊50	23♍59	13♊37	14♌4	21♊39	27♒4	26♋22	6♏37	18♍8	18♍37	17♐42	10♏40	W31

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
M 1	3s28	19s18	1n 7	8s53	0s18	5s33	1n 3	18s58	0s43	2s 1	1n 7	22s 8	0s14	23n37	0n10	2s27	1s24	24n 8	5n36	17s24	17s49	1n50	11n39	6s40
T 2	3 51	20 18	2 12	9 34	0 25	6 3	1 1	19 10	0 44	2 6	1 7	22 7	0 14	23 37	0 10	2 28	1 24	24 8	5 36	17 24	17 49	1 48	11 37	6 41
W 3	4 15	20 14	3 12	10 15	0 32	6 33	1 0	19 21	0 44	2 12	1 7	22 7	0 14	23 37	0 10	2 28	1 24	24 8	5 36	17 25	17 48	1 46	11 35	6 41
T 4	4 38	19 3	4 4	10 55	0 39	7 3	0 58	19 32	0 45	2 17	1 7	22 7	0 14	23 37	0 10	2 29	1 24	24 8	5 37	17 25	17 47	1 43	11 34	6 42
F 5	5 1	16 44	4 43	11 35	0 47	7 32	0 56	19 43	0 45	2 22	1 7	22 7	0 14	23 37	0 10	2 30	1 24	24 8	5 37	17 25	17 46	1 41	11 32	6 42
S 6	5 24	13 23	5 6	12 13	0 54	8 2	0 54	19 54	0 46	2 27	1 7	22 7	0 14	23 37	0 10	2 30	1 24	24 8	5 37	17 24	17 45	1 39	11 30	6 43
S 7	5 47	9 10	5 11	12 52	1 0	8 31	0 52	20 5	0 46	2 32	1 7	22 7	0 14	23 37	0 10	2 31	1 24	24 8	5 37	17 23	17 44	1 37	11 28	6 44
M 8	6 10	4 18	4 56	13 29	1 7	9 1	0 51	20 15	0 47	2 37	1 7	22 7	0 14	23 37	0 10	2 32	1 24	24 8	5 37	17 22	17 43	1 34	11 27	6 44
T 9	6 33	0n53	4 20	14 5	1 14	9 30	0 49	20 25	0 47	2 42	1 7	22 7	0 14	23 37	0 10	2 32	1 24	24 8	5 38	17 21	17 43	1 32	11 25	6 45
W10	6 56	6 3	3 26	14 41	1 21	9 58	0 47	20 36	0 48	2 47	1 7	22 6	0 14	23 37	0 10	2 33	1 24	24 8	5 38	17 20	17 42	1 30	11 23	6 45
T 11	7 19	10 50	2 18	15 16	1 28	10 27	0 45	20 46	0 48	2 52	1 7	22 6	0 14	23 37	0 10	2 33	1 24	24 8	5 38	17 19	17 41	1 28	11 22	6 46
F 12	7 41	14 52	1 1	15 51	1 34	10 55	0 42	20 55	0 49	2 57	1 7	22 6	0 14	23 37	0 10	2 34	1 24	24 8	5 38	17 18	17 40	1 26	11 20	6 46
S 13	8 4	17 53	0s18	16 24	1 40	11 23	0 40	21 5	0 49	3 2	1 7	22 6	0 14	23 37	0 10	2 35	1 24	24 8	5 38	17 18	17 39	1 23	11 18	6 47
S 14	8 26	19 43	1 33	16 56	1 47	11 51	0 38	21 15	0 50	3 7	1 7	22 6	0 15	23 37	0 10	2 35	1 24	24 8	5 39	17 18	17 38	1 21	11 17	6 48
M15	8 48	20 21	2 41	17 28	1 53	12 19	0 36	21 24	0 50	3 12	1 7	22 5	0 15	23 37	0 10	2 36	1 24	24 8	5 39	17 19	17 37	1 19	11 15	6 48
T 16	9 10	19 50	3 38	17 59	1 59	12 46	0 34	21 33	0 51	3 17	1 7	22 5	0 15	23 37	0 10	2 36	1 24	24 8	5 39	17 19	17 36	1 17	11 13	6 49
W17	9 32	18 18	4 23	18 28	2 4	13 13	0 32	21 42	0 51	3 22	1 7	22 5	0 15	23 37	0 10	2 37	1 24	24 8	5 39	17 19	17 36	1 14	11 12	6 50
T 18	9 54	15 57	4 54	18 57	2 10	13 39	0 29	21 51	0 52	3 27	1 7	22 4	0 15	23 37	0 10	2 37	1 24	24 8	5 40	17 20	17 35	1 12	11 10	6 50
F 19	10 16	12 57	5 11	19 25	2 15	14 6	0 27	21 59	0 52	3 32	1 7	22 4	0 15	23 37	0 10	2 38	1 24	24 9	5 40	17 19	17 34	1 10	11 9	6 51
S 20	10 38	9 27	5 15	19 51	2 20	14 32	0 25	22 8	0 53	3 37	1 7	22 4	0 15	23 37	0 10	2 38	1 24	24 9	5 40	17 19	17 33	1 8	11 7	6 52
S 21	10 59	5 37	5 4	20 17	2 25	14 57	0 22	22 16	0 53	3 42	1 7	22 3	0 15	23 37	0 10	2 39	1 24	24 9	5 40	17 18	17 32	1 6	11 6	6 52
M22	11 20	1 35	4 41	20 41	2 29	15 22	0 20	22 24	0 54	3 47	1 8	22 3	0 15	23 37	0 10	2 39	1 24	24 9	5 40	17 17	17 31	1 3	11 4	6 53
T 23	11 41	2s32	4 6	21 4	2 33	15 47	0 18	22 31	0 54	3 52	1 8	22 3	0 15	23 37	0 10	2 40	1 24	24 9	5 41	17 17	17 30	1 1	11 3	6 54
W24	12 2	6 35	3 20	21 26	2 37	16 11	0 15	22 39	0 54	3 57	1 8	22 2	0 15	23 37	0 10	2 40	1 24	24 9	5 41	17 16	17 30	0 59	11 1	6 54
T 25	12 23	10 24	2 25	21 47	2 40	16 35	0 13	22 46	0 55	4 2	1 8	22 2	0 15	23 37	0 10	2 41	1 24	24 9	5 41	17 15	17 29	0 57	11 0	6 55
F 26	12 44	13 51	1 22	22 6	2 43	16 59	0 10	22 53	0 55	4 7	1 8	22 2	0 15	23 37	0 10	2 41	1 24	24 9	5 41	17 15	17 28	0 54	10 58	6 56
S 27	13 4	16 44	0 15	22 24	2 46	17 22	0 8	23 0	0 56	4 11	1 8	22 1	0 15	23 37	0 10	2 42	1 24	24 9	5 42	17 15	17 27	0 52	10 57	6 56
S 28	13 24	18 52	0n55	22 40	2 48	17 45	0 5	23 7	0 56	4 16	1 8	22 1	0 15	23 37	0 10	2 42	1 24	24 10	5 42	17 15	17 26	0 50	10 56	6 57
M29	13 44	20 4	2 2	22 55	2 49	18 7	0 3	23 13	0 56	4 21	1 8	22 0	0 15	23 37	0 10	2 43	1 24	24 10	5 42	17 15	17 25	0 48	10 54	6 58
T 30	14 4	20 15	3 5	23 8	2 50	18 29	0 0	23 19	0 57	4 26	1 8	22 0	0 15	23 37	0 10	2 43	1 24	24 10	5 42	17 15	17 24	0 46	10 53	6 58
W31	14s23	19s19	3n59	23s20	2s50	18s50	0s 2	23s25	0s57	4s31	1n 8	21s59	0s15	23n37	0n10	2s44	1s24	24n10	5n43	17s15	17s23	0n43	10n52	6s59

ASTRODIENST EPHEMERIS for the year 1696
geocentric

NOVEMBER 1696 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	2 44 51	9♍35°15	20♌23	2♊41	25♍14	14♊22	14♌16	21♌43	27°R 2	26°R21	6♌37	18♍ 9	18♍33	17♍49	10♌42	T 1
F 2	2 48 48	10°35'30	4♋ 6	3°28	26°29	15° 7	14°28	21°46	27°II 1	26°R20	6°37	18° 9	18°30	17°56	10°45	F 2
S 3	2 52 44	11°35'46	18° 5	4°10	27°44	15°51	14°41	21°50	26°59	26°19	6°37	18°R 9	18°27	18° 2	10°47	S 3
S 4	2 56 41	12°36'03	2♊19	4°47	28°59	16°36	14°53	21°54	26°58	26°18	6°37	18° 9	18°24	18° 9	10°49	S 4
M 5	3 0 37	13°36'22	16°46	5°18	0♊14	17°21	15° 5	21°58	26°56	26°17	6°37	18° 8	18°21	18°16	10°51	M 5
T 6	3 4 34	14°36'42	1°V22	5°43	1°29	18° 5	15°17	22° 2	26°54	26°16	6°R37	18° 8	18°18	18°22	10°53	T 6
W 7	3 8 30	15°37'03	16° 2	6° 0	2°44	18°50	15°29	22° 6	26°53	26°15	6°37	18° 8	18°14	18°29	10°54	W 7
T 8	3 12 27	16°37'26	0♊39	6°10	3°59	19°35	15°41	22°10	26°51	26°14	6°37	18° 7	18°11	18°36	10°56	T 8
F 9	3 16 24	17°37'51	15° 8	6°R10	5°13	20°20	15°53	22°14	26°49	26°13	6°37	18° 7	18° 8	18°43	10°58	F 9
S 10	3 20 20	18°38'18	29°22	6° 1	6°28	21° 5	16° 5	22°19	26°47	26°12	6°37	18° 7	18° 5	18°49	10°59	S 10
S 11	3 24 17	19°38'46	13°II16	5°43	7°43	21°50	16°17	22°23	26°45	26°11	6°37	18° 7	18° 2	18°56	11° 0	S 11
M12	3 28 13	20°39'15	26°49	5°14	8°58	22°36	16°29	22°28	26°44	26°10	6°37	18° 7	17°59	19° 3	11° 2	M12
T 13	3 32 10	21°39'47	9♌58	4°35	10°13	23°21	16°41	22°32	26°42	26°10	6°37	18° 7	17°55	19° 9	11° 3	T 13
W14	3 36 6	22°40'20	22°45	3°45	11°28	24° 6	16°53	22°37	26°40	26° 9	6°36	18° 6	17°52	19°16	11° 4	W14
T 15	3 40 3	23°40'55	5♌13	2°46	12°43	24°52	17° 4	22°41	26°38	26° 8	6°36	18° 6	17°49	19°23	11° 5	T 15
F 16	3 43 59	24°41'32	17°25	1°38	13°58	25°37	17°16	22°46	26°36	26° 7	6°36	18° 5	17°46	19°30	11° 5	F 16
S 17	3 47 56	25°42'10	29°25	0°23	15°12	26°22	17°27	22°51	26°33	26° 7	6°36	18°D 5	17°43	19°36	11° 6	S 17
S 18	3 51 53	26°42'50	11♍18	29♍ 4	16°27	27° 8	17°39	22°56	26°31	26° 6	6°35	18° 6	17°39	19°43	11° 7	S 18
M19	3 55 49	27°43'32	23° 9	27°42	17°42	27°54	17°50	23° 1	26°29	26° 5	6°35	18° 6	17°36	19°50	11° 7	M19
T 20	3 59 46	28°44'15	5♌ 2	26°20	18°57	28°39	18° 2	23° 6	26°27	26° 5	6°35	18° 7	17°33	19°56	11° 7	T 20
W21	4 3 42	29°45'00	17° 2	25° 2	20°12	29°25	18°13	23°11	26°25	26° 4	6°34	18° 9	17°30	20° 3	11° 8	W21
T 22	4 7 39	0♊45'47	29°12	23°49	21°27	0♌11	18°24	23°16	26°23	26° 4	6°34	18°10	17°27	20°10	11° 8	T 22
F 23	4 11 35	1°46'35	11♍34	22°44	22°42	0°56	18°35	23°21	26°20	26° 3	6°34	18°10	17°24	20°16	11°R 8	F 23
S 24	4 15 32	2°47'24	24°12	21°49	23°56	1°42	18°46	23°27	26°18	26° 3	6°33	18°R10	17°20	20°23	11° 8	S 24
S 25	4 19 28	3°48'14	7♊ 4	21° 5	25°11	2°28	18°57	23°32	26°16	26° 3	6°33	18° 9	17°17	20°30	11° 8	S 25
M26	4 23 25	4°49'06	20°13	20°32	26°26	3°14	19° 8	23°37	26°13	26° 2	6°32	18° 8	17°14	20°37	11° 7	M26
T 27	4 27 22	5°49'59	3♌36	20°10	27°41	4° 0	19°19	23°43	26°11	26° 2	6°32	18° 6	17°11	20°43	11° 7	T 27
W28	4 31 18	6°50'53	17°12	20°D 0	28°56	4°46	19°29	23°49	26° 9	26° 2	6°31	18° 3	17° 8	20°50	11° 6	W28
T 29	4 35 15	7°51'48	1♋ 0	20° 1	0♌11	5°32	19°40	23°54	26° 6	26° 1	6°30	18° 0	17° 5	20°57	11° 6	T 29
F 30	4 39 11	8♊52'43	14♋56	20♍12	1♌25	6♌18	19♌51	24♌ 0	26°II 4	26°R 1	6♌30	17♍58	17♍ 1	21♍ 3	11° 5	F 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	14s42	17s18	4n41	23s30	2s49	19s11	0s 5	23s31	0s58	4s35	1n 8	21s59	0s15	23n37	0n10	2s44	1s24	24n10	5n43	17s16	17s23	0n41	10n50	7s 0			
F 2	15 1	14 16	5 8	23 37	2 48	19 31	0 7	23 36	0 58	4 40	1 8	21 58	0 16	23 37	0 10	2 44	1 24	24 10	5 43	17 16	17 22	0 39	10 49	7 0			
S 3	15 20	10 24	5 17	23 43	2 45	19 51	0 10	23 41	0 58	4 45	1 8	21 58	0 16	23 37	0 10	2 45	1 24	24 11	5 43	17 16	17 21	0 37	10 48	7 1			
S 4	15 39	5 52	5 8	23 47	2 42	20 10	0 12	23 46	0 59	4 49	1 8	21 57	0 16	23 37	0 10	2 45	1 24	24 11	5 43	17 16	17 20	0 35	10 47	7 2			
M 5	15 57	0 57	4 39	23 48	2 38	20 28	0 15	23 51	0 59	4 54	1 8	21 56	0 16	23 37	0 10	2 46	1 24	24 11	5 44	17 16	17 19	0 32	10 45	7 2			
T 6	16 15	4n 5	3 51	23 47	2 32	20 46	0 17	23 56	0 59	4 59	1 9	21 56	0 16	23 37	0 10	2 46	1 24	24 11	5 44	17 15	17 18	0 30	10 44	7 3			
W 7	16 33	8 55	2 49	23 44	2 25	21 4	0 20	24 0	1 0	5 3	1 9	21 55	0 16	23 37	0 10	2 46	1 24	24 12	5 44	17 15	17 17	0 28	10 43	7 4			
T 8	16 50	13 13	1 36	23 37	2 17	21 20	0 22	24 4	1 0	5 8	1 9	21 55	0 16	23 37	0 10	2 47	1 24	24 12	5 44	17 15	17 16	0 26	10 42	7 5			
F 9	17 7	16 40	0 17	23 28	2 8	21 37	0 25	24 8	1 0	5 12	1 9	21 54	0 16	23 37	0 10	2 47	1 23	24 12	5 45	17 15	17 15	0 24	10 41	7 5			
S 10	17 24	19 2	1s 2	23 15	1 56	21 52	0 27	24 11	1 1	5 17	1 9	21 53	0 16	23 37	0 10	2 47	1 23	24 12	5 45	17 15	17 15	0 21	10 40	7 6			
S 11	17 40	20 11	2 15	23 0	1 44	22 7	0 30	24 14	1 1	5 21	1 9	21 53	0 16	23 37	0 11	2 48	1 23	24 12	5 45	17 15	17 14	0 19	10 39	7 7			
M12	17 57	20 8	3 19	22 40	1 29	22 22	0 32	24 17	1 1	5 26	1 9	21 52	0 16	23 37	0 11	2 48	1 23	24 13	5 45	17 15	17 13	0 17	10 38	7 7			
T 13	18 13	18 57	4 10	22 17	1 13	22 35	0 35	24 20	1 2	5 30	1 9	21 51	0 16	23 37	0 11	2 48	1 23	24 13	5 45	17 15	17 12	0 15	10 37	7 8			
W14	18 28	16 50	4 47	21 51	0 56	22 48	0 37	24 23	1 2	5 35	1 9	21 51	0 16	23 37	0 11	2 49	1 23	24 13	5 46	17 15	17 11	0 13	10 36	7 9			
T 15	18 43	13 59	5 9	21 21	0 37	23 1	0 40	24 25	1 2	5 39	1 9	21 50	0 16	23 37	0 11	2 49	1 23	24 14	5 46	17 15	17 10	0 10	10 35	7 10			
F 16	18 58	10 36	5 17	20 49	0 18	23 12	0 42	24 27	1 2	5 43	1 9	21 49	0 16	23 37	0 11	2 49	1 23	24 14	5 46	17 15	17 9	0 8	10 34	7 10			
S 17	19 13	6 50	5 11	20 13	0n 3	23 23	0 44	24 28	1 3	5 48	1 10	21 48	0 16	23 37	0 11	2 49	1 23	24 14	5 46	17 15	17 8	0 6	10 33	7 11			
S 18	19 27	2 50	4 52	19 36	0 23	23 34	0 47	24 30	1 3	5 52	1 10	21 48	0 16	23 36	0 11	2 49	1 23	24 14	5 47	17 15	17 7	0 4	10 32	7 12			
M19	19 41	1s15	4 20	18 58	0 43	23 43	0 49	24 31	1 3	5 56	1 10	21 47	0 16	23 36	0 11	2 50	1 23	24 15	5 47	17 15	17 7	0 2	10 32	7 12			
T 20	19 55	5 19	3 37	18 21	1 3	23 52	0 51	24 32	1 3	6 0	1 10	21 46	0 16	23 36	0 11	2 50	1 23	24 15	5 47	17 15	17 6	0s 1	10 31	7 13			
W21	20 8	9 14	2 44	17 44	1 22	24 0	0 54	24 32	1 4	6 4	1 10	21 45	0 17	23 36	0 11	2 50	1 23	24 15	5 47	17 16	17 5	0 3	10 30	7 14			
T 22	20 21	12 49	1 43	17 10	1 38	24 8	0 56	24 33	1 4	6 9	1 10	21 44	0 17	23 36	0 11	2 50	1 23	24 16	5 47	17 16	17 4	0 5	10 29	7 15			
F 23	20 33	15 54	0 36	16 39	1 53	24 15	0 58	24 33	1 4	6 13	1 10	21 44	0 17	23 36	0 11	2 50	1 23	24 16	5 48	17 16	17 3	0 7	10 29	7 15			
S 24	20 45	18 19	0n33	16 13	2 6	24 21	1 0	24 32	1 4	6 17	1 10	21 43	0 17	23 36	0 11	2 51	1 23	24 16	5 48	17 16	17 2	0 9	10 28	7 16			
S 25	20 57	19 50	1 43	15 51	2 17	24 26	1 3	24 32	1 5	6 21	1 10	21 42	0 17	23 36	0 11	2 51	1 23	24 17	5 48	17 16	17 1	0 11	10 27	7 17			
M26	21 8	20 19	2 48	15 34	2 26	24 30	1 5	24 31	1 5	6 25	1 11	21 41	0 17	23 36	0 11	2 51	1 23	24 17	5 48	17 15	17 0	0 14	10 27	7 17			
T 27	21 19	19 41	3 45	15 22	2 32	24 34	1 7	24 30	1 5	6 29	1 11	21 40	0 17	23 36	0 11	2 51	1 23	24 17	5 49	17 15	16 59	0 16	10 26	7 18			
W28	21 29	17 53	4 31	15 15	2 37	24 37	1 9	24 29	1 5	6 33	1 11	21 39	0 17	23 36	0 11	2 51	1 23	24 18	5 49	17 14	16 59	0 18	10 26	7 19			
T 29	21 39	15 4	5 1	15 13	2 39	24 39	1 11	24 27	1 5	6 37	1 11	21 38	0 17	23 36	0 11	2 51	1 23	24 18	5 49	17 13	16 58	0 20	10 25	7 19			
F 30	21s49	11s22	5n15	15s15	2n40	24s41	1s13	24s25	1s 6	6s40	1n11	21s37	0s17	23n36	0n11	2s51	1s23	24n18	5n49	17s13	16s57	0s22	10n25	7s20			

ASTRODIENST EPHEMERIS for the year 1696
geocentric

DECEMBER 1696 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	4 43 8	9♂53'39	28♂59	20♂32	2♂40	7♂ 5	20♂ 1	24♂ 6	26°R 1	26°R 1	6°R29	17°R56	16♂58	21♂10	11°R 4	S 1
S 2	4 47 4	10°54'36	13♂ 7	21° 0	3°55	7°51	20°11	24°11	25♂59	26♂ 1	6♂29	17°D56	16°55	21°17	11♂ 3	S 2
M 3	4 51 1	11°55'34	27°19	21°37	5°10	8°37	20°22	24°17	25°57	26° 1	6°28	17♂57	16°52	21°23	11° 2	M 3
T 4	4 54 57	12°56'32	11♂31	22°19	6°24	9°23	20°32	24°23	25°54	26° 0	6°27	17°58	16°49	21°30	11° 1	T 4
W 5	4 58 54	13°57'31	25°42	23° 8	7°39	10°10	20°42	24°29	25°52	26° 0	6°26	18° 0	16°45	21°37	11° 0	W 5
T 6	5 2 51	14°58'30	9♂50	24° 3	8°54	10°56	20°52	24°35	25°49	26°D 0	6°26	18° 1	16°42	21°44	10°59	T 6
F 7	5 6 47	15°59'30	23°51	25° 1	10° 9	11°42	21° 2	24°41	25°47	26° 0	6°25	18°R 1	16°39	21°50	10°57	F 7
S 8	5 10 44	17° 0'31	7♂42	26° 4	11°23	12°29	21°12	24°47	25°44	26° 0	6°24	17°59	16°36	21°57	10°56	S 8
S 9	5 14 40	18° 1'33	21°19	27°11	12°38	13°15	21°21	24°53	25°41	26° 0	6°23	17°56	16°33	22° 4	10°54	S 9
M10	5 18 37	19° 2'35	4♂41	28°20	13°53	14° 2	21°31	24°59	25°39	26° 1	6°22	17°52	16°30	22°10	10°52	M10
T 11	5 22 33	20° 3'38	17°45	29°32	15° 7	14°49	21°40	25° 6	25°36	26° 1	6°22	17°47	16°26	22°17	10°50	T 11
W12	5 26 30	21° 4'42	0♂31	0♂47	16°22	15°35	21°50	25°12	25°34	26° 1	6°21	17°41	16°23	22°24	10°48	W12
T 13	5 30 26	22° 5'47	12°59	2° 3	17°37	16°22	21°59	25°18	25°31	26° 1	6°20	17°35	16°20	22°30	10°46	T 13
F 14	5 34 23	23° 6'52	25°12	3°22	18°51	17° 9	22° 8	25°25	25°29	26° 1	6°19	17°30	16°17	22°37	10°44	F 14
S 15	5 38 20	24° 7'59	7♂13	4°42	20° 6	17°55	22°17	25°31	25°26	26° 2	6°18	17°27	16°14	22°44	10°42	S 15
S 16	5 42 16	25° 9'05	19° 6	6° 3	21°20	18°42	22°26	25°37	25°23	26° 2	6°17	17°25	16°11	22°50	10°40	S 16
M17	5 46 13	26°10'13	0♂57	7°25	22°35	19°29	22°35	25°44	25°21	26° 2	6°16	17°D25	16° 7	22°57	10°37	M17
T 18	5 50 9	27°11'21	12°49	8°49	23°50	20°16	22°44	25°50	25°18	26° 3	6°15	17°26	16° 4	23° 4	10°35	T 18
W19	5 54 6	28°12'30	24°49	10°13	25° 4	21° 3	22°52	25°57	25°16	26° 3	6°14	17°28	16° 1	23°11	10°32	W19
T 20	5 58 2	29°13'40	7♂ 1	11°39	26°19	21°49	23° 1	26° 4	25°13	26° 4	6°13	17°29	15°58	23°17	10°29	T 20
F 21	6 1 59	0♂14'50	19°29	13° 5	27°33	22°36	23° 9	26°10	25°11	26° 4	6°12	17°R30	15°55	23°24	10°26	F 21
S 22	6 5 55	1°16'01	2♂17	14°32	28°48	23°23	23°17	26°17	25° 8	26° 5	6°11	17°29	15°51	23°31	10°24	S 22
S 23	6 9 52	2°17'12	15°27	15°59	0♂ 2	24°10	23°25	26°24	25° 5	26° 5	6°10	17°25	15°48	23°37	10°21	S 23
M24	6 13 49	3°18'24	28°57	17°27	1°17	24°57	23°33	26°30	25° 3	26° 6	6° 8	17°20	15°45	23°44	10°18	M24
T 25	6 17 45	4°19'35	12♂47	18°56	2°31	25°44	23°41	26°37	25° 0	26° 6	6° 7	17°13	15°42	23°51	10°14	T 25
W26	6 21 42	5°20'47	26°53	20°25	3°45	26°32	23°49	26°44	24°58	26° 7	6° 6	17° 5	15°39	23°57	10°11	W26
T 27	6 25 38	6°21'59	11♂ 9	21°54	5° 0	27°19	23°57	26°51	24°55	26° 8	6° 5	16°56	15°36	24° 4	10° 8	T 27
F 28	6 29 35	7°23'10	25°31	23°24	6°14	28° 6	24° 4	26°58	24°53	26° 8	6° 4	16°49	15°32	24°11	10° 5	F 28
S 29	6 33 31	8°24'21	9♂52	24°55	7°29	28°53	24°11	27° 4	24°50	26° 9	6° 3	16°43	15°29	24°18	10° 1	S 29
S 30	6 37 28	9°25'32	24° 9	26°25	8°43	29°40	24°18	27°11	24°48	26°10	6° 1	16°40	15°26	24°24	9°58	S 30
M31	6 41 24	10♂26'42	8♂19	27♂57	9♂57	0♂27	24♂25	27♂18	24♂45	26♂11	6♂ 0	16°D39	15♂23	24♂31	9♂54	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
S 1	21s58	7s 1	5n 9	15s20	2n40	24s42	1s15	24s23	1s 6	6s44	1n11	21s36	0s17	23n36	0n11	2s51	1s23	24n19	5n49	17s12	16s56	0s24	10n24	7s21	
S 2	22 7	2 15	4 45	15 29	2 38	24 42	1 17	24 21	1 6	6 48	1 11	21 35	0 17	23 36	0 11	2 51	1 23	24 19	5 50	17 12	16 55	0 27	10 24	7 22	
M 3	22 15	2n39	4 4	15 41	2 36	24 41	1 18	24 18	1 6	6 52	1 12	21 34	0 17	23 36	0 11	2 51	1 23	24 19	5 50	17 12	16 54	0 29	10 23	7 22	
T 4	22 23	7 26	3 7	15 56	2 32	24 39	1 20	24 15	1 6	6 55	1 12	21 33	0 17	23 36	0 11	2 51	1 23	24 20	5 50	17 13	16 53	0 31	10 23	7 23	
W 5	22 31	11 48	2 0	16 12	2 28	24 37	1 22	24 11	1 6	6 59	1 12	21 32	0 17	23 36	0 11	2 51	1 23	24 20	5 50	17 13	16 52	0 33	10 23	7 24	
T 6	22 38	15 30	0 45	16 30	2 23	24 34	1 24	24 8	1 7	7 3	1 12	21 31	0 17	23 35	0 11	2 51	1 23	24 21	5 50	17 13	16 51	0 35	10 22	7 24	
F 7	22 44	18 15	0s32	16 50	2 17	24 30	1 25	24 4	1 7	7 6	1 12	21 30	0 17	23 35	0 11	2 51	1 22	24 21	5 51	17 13	16 50	0 37	10 22	7 25	
S 8	22 50	19 53	1 46	17 11	2 11	24 26	1 27	24 0	1 7	7 10	1 12	21 29	0 17	23 35	0 11	2 51	1 22	24 21	5 51	17 13	16 49	0 40	10 22	7 25	
S 9	22 56	20 20	2 52	17 32	2 4	24 20	1 28	23 56	1 7	7 13	1 12	21 28	0 18	23 35	0 11	2 51	1 22	24 22	5 51	17 12	16 49	0 42	10 22	7 26	
M10	23 1	19 36	3 48	17 55	1 58	24 14	1 30	23 51	1 7	7 17	1 13	21 27	0 18	23 35	0 11	2 51	1 22	24 22	5 51	17 11	16 48	0 44	10 22	7 27	
T 11	23 6	17 50	4 30	18 17	1 50	24 8	1 31	23 46	1 7	7 20	1 13	21 26	0 18	23 35	0 11	2 51	1 22	24 23	5 51	17 9	16 47	0 46	10 22	7 27	
W12	23 11	15 13	4 58	18 40	1 43	24 0	1 32	23 41	1 7	7 23	1 13	21 25	0 18	23 35	0 11	2 51	1 22	24 23	5 52	17 8	16 46	0 48	10 22	7 28	
T 13	23 14	11 59	5 10	19 3	1 35	23 52	1 34	23 35	1 7	7 27	1 13	21 24	0 18	23 35	0 11	2 51	1 22	24 23	5 52	17 6	16 45	0 50	10 22	7 29	
F 14	23 18	8 17	5 9	19 25	1 28	23 43	1 35	23 29	1 7	7 30	1 13	21 23	0 18	23 35	0 11	2 50	1 22	24 24	5 52	17 5	16 44	0 53	10 21	7 29	
S 15	23 21	4 20	4 53	19 48	1 20	23 33	1 36	23 23	1 8	7 33	1 13	21 22	0 18	23 35	0 11	2 50	1 22	24 24	5 52	17 4	16 43	0 55	10 22	7 30	
S 16	23 23	0 15	4 25	20 10	1 12	23 23	1 37	23 17	1 8	7 36	1 14	21 21	0 18	23 35	0 11	2 50	1 22	24 25	5 52	17 4	16 42	0 57	10 22	7 30	
M17	23 25	3s50	3 46	20 31	1 4	23 12	1 38	23 11	1 8	7 40	1 14	21 20	0 18	23 35	0 11	2 50	1 22	24 25	5 53	17 3	16 41	0 59	10 22	7 31	
T 18	23 27	7 47	2 57	20 53	0 57	23 0	1 39	23 4	1 8	7 43	1 14	21 18	0 18	23 35	0 11	2 50	1 22	24 26	5 53	17 4	16 40	1 1	10 22	7 31	
W19	23 28	11 29	2 0	21 13	0 49	22 47	1 40	22 57	1 8	7 46	1 14	21 17	0 18	23 35	0 11	2 50	1 22	24 26	5 53	17 4	16 39	1 3	10 22	7 32	
T 20	23 28	14 46	0 57	21 33	0 41	22 34	1 41	22 49	1 8	7 49	1 14	21 16	0 18	23 34	0 11	2 49	1 22	24 26	5 53	17 5	16 39	1 6	10 22	7 32	
F 21	23 29	17 27	0n11	21 51	0 33	22 20	1 42	22 42	1 8	7 51	1 15	21 15	0 18	23 34	0 11	2 49	1 22	24 27	5 53	17 5	16 38	1 8	10 22	7 33	
S 22	23 28	19 21	1 19	22 9	0 25	22 6	1 42	22 34	1 8	7 54	1 15	21 14	0 18	23 34	0 11	2 49	1 22	24 27	5 53	17 4	16 37	1 10	10 23	7 34	
S 23	23 27	20 16	2 25	22 27	0 18	21 51	1 43	22 26	1 8	7 57	1 15	21 12	0 18	23 34	0 11	2 49	1 22	24 28	5 54	17 4	16 36	1 12	10 23	7 34	
M24	23 26	20 3	3 25	22 43	0 10	21 35	1 43	22 17	1 8	8 0	1 15	21 11	0 18	23 34	0 11	2 48	1 22	24 28	5 54	17 2	16 35	1 14	10 23	7 35	
T 25	23 24	18 39	4 14	22 58	0 3	21 19	1 44	22 9	1 8	8 3	1 15	21 10	0 18	23 34	0 11	2 48	1 22	24 29	5 54	17 0	16 34	1 16	10 24	7 35	
W26	23 22	16 6	4 48	23 12	0s 5	21 2	1 44	22 0	1 8	8 5	1 15	21 9	0 19	23 34	0 11	2 48	1 22	24 29	5 54	16 58	16 33	1 18	10 24	7 35	
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F 28	23 16	8 16	5 3	23 37	0 19	20 26	1 45	21 41	1 8	8 10	1 16	21 6	0 19	23 34	0 11	2 47	1 22	24 30	5 54	16 53	16 31	1 23	10 25	7 36	
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M31	23s 4	6n13	3n11	24s 7	0s39	19s28	1s45	21s11	1s 8	8s18	1n16	21s 2	0s19	23n33	0n11	2s46	1s22	24n31	5n55	16s50	16s28	1s29	10n26	7s38	