



Astrodienst Ephemeris Tables for the year 1751

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 1751

geocentric

JANUARY 1751

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 41 6	10 ¹³ 19'51	19 ²⁸ 28	13 ⁵⁸ 58	6 ⁵⁷ 57	21 ⁵⁸ 58	25 ⁴⁴ 44	8 ³⁷ 37	23 ³⁸ 38	28 ⁵⁹ 59	5 ³⁰ 30	21 ⁴⁷ 47	20 ⁵⁸ 58	1 ⁴⁶ 46	17 ⁵² 52	F 1
S 2	6 45 3	11 ²¹ 02	3 ³ 3	15 ³⁶ 36	8 ¹² 12	22 ³⁸ 38	25 ⁴⁷ 47	8 ⁴⁴ 44	23 ⁴ 4	28 ⁵⁷ 57	5 ³² 32	21 ⁴⁴ 44	20 ⁵⁵ 55	1 ⁵² 52	17 ⁵⁸ 58	S 2
S 3	6 48 59	12 ²² 12	16 ⁴⁹ 49	17 ¹⁴ 14	9 ²⁸ 28	23 ¹⁸ 18	25 ⁴⁹ 49	8 ⁵⁰ 50	23 ⁷ 7	28 ⁵⁵ 55	5 ³⁴ 34	21 ⁴¹ 41	20 ⁵² 52	1 ⁵⁹ 59	18 ⁴ 4	S 3
M 4	6 52 56	13 ²³ 22	0 ⁴⁴ 44	18 ⁵³ 53	10 ⁴³ 43	23 ⁵⁷ 57	25 ⁵² 52	8 ⁵⁶ 56	23 ¹⁰ 10	28 ⁵⁴ 54	5 ³⁶ 36	21 ⁴⁰ 40	20 ⁴⁹ 49	2 ⁶ 6	18 ¹⁰ 10	M 4
T 5	6 56 52	14 ²⁴ 32	14 ⁴⁸ 48	20 ³³ 33	11 ⁵⁹ 59	24 ³⁷ 37	25 ⁵⁵ 55	9 ³ 3	23 ¹² 12	28 ⁵² 52	5 ³⁸ 38	21 ³⁹ 39	20 ⁴⁵ 45	2 ¹² 12	18 ¹⁶ 16	T 5
W 6	7 0 49	15 ²⁵ 41	28 ⁵⁸ 58	22 ¹² 12	13 ¹⁴ 14	25 ¹⁶ 16	25 ⁵⁹ 59	9 ⁹ 9	23 ¹⁵ 15	28 ⁵⁰ 50	5 ⁴⁰ 40	21 ⁴⁰ 40	20 ⁴² 42	2 ¹⁹ 19	18 ²¹ 21	W 6
T 7	7 4 45	16 ²⁶ 49	13 ⁸ 14	23 ⁵² 52	14 ³⁰ 30	25 ⁵⁶ 56	26 ² 2	9 ¹⁵ 15	23 ¹⁸ 18	28 ⁴⁹ 49	5 ⁴² 42	21 ⁴¹ 41	20 ³⁹ 39	2 ²⁶ 26	18 ²⁷ 27	T 7
F 8	7 8 42	17 ²⁷ 57	27 ³¹ 31	25 ³² 32	15 ⁴⁵ 45	26 ³⁵ 35	26 ⁶ 6	9 ²¹ 21	23 ²¹ 21	28 ⁴⁷ 47	5 ⁴⁴ 44	21 ⁴³ 43	20 ³⁶ 36	2 ³² 32	18 ³³ 33	F 8
S 9	7 12 38	18 ²⁹ 04	11 ⁴⁹ 49	27 ¹³ 13	17 ¹ 1	27 ¹⁵ 15	26 ⁹ 9	9 ²⁷ 27	23 ²⁴ 24	28 ⁴⁶ 46	5 ⁴⁵ 45	21 ⁴⁴ 44	20 ³³ 33	2 ³⁹ 39	18 ³⁸ 38	S 9
S 10	7 16 35	19 ³⁰ 11	26 ² 2	28 ⁵³ 53	18 ¹⁶ 16	27 ⁵⁴ 54	26 ¹³ 13	9 ³³ 33	23 ²⁷ 27	28 ⁴⁴ 44	5 ⁴⁷ 47	21 ⁴⁴ 44	20 ³⁰ 30	2 ⁴⁶ 46	18 ⁴⁴ 44	S 10
M 11	7 20 32	20 ³¹ 18	10 ⁵ 7	0 ³⁴ 34	19 ³¹ 31	28 ³⁴ 34	26 ¹⁸ 18	9 ³⁹ 39	23 ³⁰ 30	28 ⁴² 42	5 ⁴⁹ 49	21 ⁴³ 43	20 ²⁶ 26	2 ⁵² 52	18 ⁴⁹ 49	M 11
T 12	7 24 28	21 ³² 23	24 ⁰ 0	2 ¹⁵ 15	20 ⁴⁷ 47	29 ¹⁴ 14	26 ²² 22	9 ⁴⁵ 45	23 ³³ 33	28 ⁴¹ 41	5 ⁵¹ 51	21 ⁴⁰ 40	20 ²³ 23	2 ⁵⁹ 59	18 ⁵⁵ 55	T 12
W 13	7 28 25	22 ³³ 29	7 ³⁶ 36	3 ⁵⁵ 55	22 ² 2	29 ⁵³ 53	26 ²⁶ 26	9 ⁵¹ 51	23 ³⁶ 36	28 ³⁹ 39	5 ⁵³ 53	21 ³⁶ 36	20 ²⁰ 20	3 ⁶ 6	19 ⁰ 0	W 13
T 14	7 32 21	23 ³⁴ 34	20 ⁵⁴ 54	5 ³⁶ 36	23 ¹⁸ 18	0 ³³ 33	26 ³¹ 31	9 ⁵⁷ 57	23 ³⁹ 39	28 ³⁷ 37	5 ⁵⁴ 54	21 ³¹ 31	20 ¹⁷ 17	3 ¹³ 13	19 ⁵ 5	T 14
F 15	7 36 18	24 ³⁵ 38	3 ⁵² 52	7 ¹⁶ 16	24 ³³ 33	1 ¹³ 13	26 ³⁶ 36	10 ³ 3	23 ⁴² 42	28 ³⁵ 35	5 ⁵⁶ 56	21 ²⁵ 25	20 ¹⁴ 14	3 ¹⁹ 19	19 ¹⁰ 10	F 15
S 16	7 40 14	25 ³⁶ 42	16 ³¹ 31	8 ⁵⁵ 55	25 ⁴⁹ 49	1 ⁵² 52	26 ⁴¹ 41	10 ⁸ 8	23 ⁴⁶ 46	28 ³⁴ 34	5 ⁵⁸ 58	21 ¹⁹ 19	20 ¹⁰ 10	3 ²⁶ 26	19 ¹⁵ 15	S 16
S 17	7 44 11	26 ³⁷ 45	28 ⁵² 52	10 ³⁴ 34	27 ⁴ 4	2 ³² 32	26 ⁴⁷ 47	10 ¹⁴ 14	23 ⁴⁹ 49	28 ³² 32	6 ⁰ 0	21 ¹⁵ 15	20 ⁷ 7	3 ³³ 33	19 ²⁰ 20	S 17
M 18	7 48 8	27 ³⁸ 48	10 ⁵⁹ 59	12 ¹² 12	28 ¹⁹ 19	3 ¹² 12	26 ⁵² 52	10 ¹⁹ 19	23 ⁵² 52	28 ³⁰ 30	6 ¹ 1	21 ¹¹ 11	20 ⁴ 4	3 ³⁹ 39	19 ²⁵ 25	M 18
T 19	7 52 4	28 ³⁹ 51	22 ⁵⁵ 55	13 ⁴⁹ 49	29 ³⁵ 35	3 ⁵¹ 51	26 ⁵⁸ 58	10 ²⁵ 25	23 ⁵⁵ 55	28 ²⁹ 29	6 ³ 3	21 ¹⁰ 10	20 ¹ 1	3 ⁴⁶ 46	19 ³⁰ 30	T 19
W 20	7 56 1	29 ⁴⁰ 53	4 ⁴⁶ 46	15 ²⁴ 24	0 ⁵⁰ 50	4 ³¹ 31	27 ³ 3	10 ³⁰ 30	23 ⁵⁸ 58	28 ²⁷ 27	6 ⁴ 4	21 ¹⁰ 10	19 ⁵⁸ 58	3 ⁵³ 53	19 ³⁴ 34	W 20
T 21	7 59 57	0 ⁴¹ 55	16 ³⁶ 36	16 ⁵⁷ 57	2 ⁶ 6	5 ¹¹ 11	27 ⁹ 9	10 ³⁶ 36	24 ² 2	28 ²⁵ 25	6 ⁶ 6	21 ¹¹ 11	19 ⁵⁵ 55	3 ⁵⁹ 59	19 ³⁹ 39	T 21
F 22	8 3 54	1 ⁴² 56	28 ³¹ 31	18 ²⁸ 28	3 ²¹ 21	5 ⁵⁰ 50	27 ¹⁶ 16	10 ⁴¹ 41	24 ⁵ 5	28 ²⁴ 24	6 ⁸ 8	21 ¹³ 13	19 ⁵¹ 51	4 ⁶ 6	19 ⁴³ 43	F 22
S 23	8 7 50	2 ⁴³ 57	10 ³⁶ 36	19 ⁵⁶ 56	4 ³⁶ 36	6 ³⁰ 30	27 ²² 22	10 ⁴⁶ 46	24 ⁸ 8	28 ²² 22	6 ⁹ 9	21 ¹⁴ 14	19 ⁴⁸ 48	4 ¹³ 13	19 ⁴⁸ 48	S 23
S 24	8 11 47	3 ⁴⁴ 57	22 ⁵⁴ 54	21 ²⁰ 20	5 ⁵² 52	7 ¹⁰ 10	27 ²⁸ 28	10 ⁵² 52	24 ¹¹ 11	28 ²⁰ 20	6 ¹¹ 11	21 ¹⁵ 15	19 ⁴⁵ 45	4 ¹⁹ 19	19 ⁵² 52	S 24
M 25	8 15 43	4 ⁴⁵ 56	5 ³⁰ 30	22 ⁴¹ 41	7 ⁷ 7	7 ⁵⁰ 50	27 ³⁵ 35	10 ⁵⁷ 57	24 ¹⁵ 15	28 ¹⁹ 19	6 ¹² 12	21 ¹³ 13	19 ⁴² 42	4 ²⁶ 26	19 ⁵⁶ 56	M 25
T 26	8 19 40	5 ⁴⁶ 55	18 ²⁶ 26	23 ⁵⁶ 56	8 ²² 22	8 ²⁹ 29	27 ⁴² 42	11 ² 2	24 ¹⁸ 18	28 ¹⁷ 17	6 ¹³ 13	21 ¹⁰ 10	19 ³⁹ 39	4 ³³ 33	20 ⁰ 0	T 26
W 27	8 23 37	6 ⁴⁷ 52	1 ⁴¹ 41	25 ⁷ 7	9 ³⁸ 38	9 ⁹ 9	27 ⁴⁹ 49	11 ⁷ 7	24 ²¹ 21	28 ¹⁵ 15	6 ¹⁵ 15	21 ⁵ 5	19 ³⁶ 36	4 ³⁹ 39	20 ⁴ 4	W 27
T 28	8 27 33	7 ⁴⁸ 49	15 ¹⁶ 16	26 ¹⁰ 10	10 ⁵³ 53	9 ⁴⁹ 49	27 ⁵⁶ 56	11 ¹² 12	24 ²⁵ 25	28 ¹⁴ 14	6 ¹⁶ 16	20 ⁵⁸ 58	19 ³² 32	4 ⁴⁶ 46	20 ⁸ 8	T 28
F 29	8 31 30	8 ⁴⁹ 44	29 ⁷ 7	27 ⁷ 7	12 ⁸ 8	10 ²⁹ 29	28 ³ 3	11 ¹⁷ 17	24 ²⁸ 28	28 ¹² 12	6 ¹⁸ 18	20 ⁴⁹ 49	19 ²⁹ 29	4 ⁵³ 53	20 ¹² 12	F 29
S 30	8 35 26	9 ⁵⁰ 38	13 ¹⁰ 10	27 ⁵⁶ 56	13 ²⁴ 24	11 ⁹ 9	28 ¹¹ 11	11 ²¹ 21	24 ³¹ 31	28 ¹⁰ 10	6 ¹⁹ 19	20 ⁴¹ 41	19 ²⁶ 26	5 ⁰ 0	20 ¹⁶ 16	S 30
S 31	8 39 23	10 ⁵¹ 31	27 ²¹ 21	28 ³⁷ 37	14 ³⁹ 39	11 ³⁴ 34	28 ¹⁸ 18	11 ²⁶ 26	24 ³⁵ 35	28 ⁹ 9	6 ²⁰ 20	20 ³³ 33	19 ²³ 23	5 ⁶ 6	20 ¹⁹ 19	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	decl lat	decl lat	decl lat	decl lat	decl lat
F 1	23s 4	10s47	4n27	24s44	2s 0	23s44	0s27	17s45	0n34	8n48	1s15	20s 8	1n39	14s32	0s43	20n 3	0s21	9s56	11n29
S 2	22 59	5 45	4 59	24 35	2 2	23 42	0 29	17 55	0 33	8 49	1 14	20 9	1 40	14 31	0 43	20 4	0 21	9 56	11 29
S 3	22 54	0 24	5 14	24 24	2 4	23 39	0 31	18 6	0 32	8 51	1 14	20 10	1 40	14 30	0 43	20 4	0 21	9 56	11 29
M 4	22 48	5n 3	5 11	24 12	2 5	23 36	0 33	18 16	0 32	8 52	1 14	20 11	1 40	14 29	0 43	20 4	0 21	9 57	11 30
T 5	22 41	10 17	4 50	23 59	2 6	23 31	0 36	18 27	0 31	8 53	1 13	20 12	1 40	14 28	0 43	20 5	0 21	9 57	11 30
W 6	22 35	15 2	4 11	23 44	2 7	23 26	0 38	18 37	0 31	8 55	1 13	20 13	1 40	14 27	0 43	20 5	0 21	9 57	11 30
T 7	22 27	18 57	3 16	23 27	2 7	23 21	0 40	18 47	0 30	8 56	1 13	20 13	1 40	14 26	0 43	20 5	0 21	9 57	11 30
F 8	22 20	21 44	2 9	23 8	2 7	23 14	0 42	18 56	0 30	8 58	1 12	20 14	1 40	14 25	0 42	20 6	0 21	9 57	11 30
S 9	22 12	23 8	0 54	22 48	2 6	23 7	0 44	19 6	0 29	9 0	1 12	20 15	1 40	14 24	0 42	20 6	0 21	9 57	11 30
S 10	22 3	23 1	0s24	22 27	2 5	22 59	0 46	19 16	0 28	9 1	1 12	20 16	1 40	14 23	0 42	20 6	0 20	9 57	11 31
M11	21 54	21 26	1 39	22 3	2 3	22 51	0 48	19 25	0 28	9 3	1 11	20 17	1 40	14 22	0 42	20 7	0 20	9 58	11 31
T 12	21 45	18 35	2 48	21 38	2 0	22 41	0 50	19 34	0 27	9 5	1 11	20 18	1 40	14 21	0 42	20 7	0 20	9 58	11 31
W13	21 35	14 46	3 45	21 12	1 57	22 31	0 52	19 43	0 26	9 7	1 11	20 19	1 40	14 20	0 42	20 7	0 20	9 58	11 31
T 14	21 25	10 18	4 29	20 44	1 54	22 21	0 54	19 52	0 26	9 9	1 11	20 19	1 40	14 19	0 42	20 8	0 20	9 58	11 31
F 15	21 14	5 29	4 57	20 15	1 50	22 9	0 56	20 1	0 25	9 11	1 10	20 20	1 40	14 18	0 42	20 8	0 20	9 58	11 32
S 16	21 3	0 34	5 11	19 44	1 45	21 57	0 58	20 10	0 25	9 13	1 10	20 21	1 40	14 17	0 42	20 9	0 20	9 58	11 32
S 17	20 51	4s16	5 9	19 12	1 39	21 45	0 59	20 18	0 24	9 15	1 10	20 22	1 40	14 16	0 42	20 9	0 20	9 58	11 32
M18	20 40	8 51	4 53	18 39	1 33	21 31	1 1	20 27	0 23	9 17	1 9	20 22	1 40	14 15	0 42	20 9	0 20	9 58	11 32
T 19	20 27	13 1	4 25	18 4	1 26	21 17	1 3	20 35	0 23	9 20	1 9	20 23	1 40	14 14	0 42	20 10	0 20	9 58	11 32
W20	20 15	16 40	3 46	17 29	1 18	21 3	1 4	20 43	0 22	9 22	1 9	20 24	1 40	14 13	0 42	20 10	0 20	9 58	11 33
T 21	20 2	19 39	2 57	16 53	1 9	20 47	1 6	20 51	0 21	9 25	1 9	20 24	1 40	14 12	0 42	20 10	0 20	9 58	11 33
F 22	19 48	21 49	2 0	16 16	1 0	20 32	1 7	20 58	0 21	9 27	1 8	20 25	1 41	14 11	0 42	20 11	0 20	9 58	11 33
S 23	19 34	23 1	0 58	15 38	0 49	20 15	1 9	21 6	0 20	9 30	1 8	20 26	1 41	14 10	0 42	20 11	0 20	9 58	11 33
S 24	19 20	23 8	0n 9	15 1	0 38	19 58	1 10	21 13	0 19	9 32	1 8	20 26	1 41	14 8	0 42	20 11	0 20	9 58	11 34
M25	19 6	22 5	1 17	14 23	0 26	19 40	1 12	21 20	0 19	9 35	1 7	20 27	1 41	14 7	0 42	20 12	0 20	9 58	11 34
T 26	18 51	19 52	2 22	13 46	0 13	19 22	1 13	21 27	0 18	9 37	1 7	20 28	1 41	14 6	0 42	20 12	0 20	9 58	11 34
W27	18 36	16 33	3 21	13 9	0n 1	19 3	1 14	21 34	0 17	9 40	1 7	20 28	1 41	14 5	0 42	20 12	0 20	9 58	11 34
T 28	18 20	12 18	4 10	12 34	0 15	18 44	1 16	21 41	0 16	9 43	1 7	20 29	1 41	14 4	0 42	20 13	0 20	9 58	11 35
F 29	18 5	7 20	4 45	12 0	0 37	18 24	1 17	21 47	0 16	9 46	1 6	20 30	1 41	14 3	0 42	20 13	0 20	9 58	11 35
S 30	17 48	1 56	5 4	11 29	0 47	18 4	1 18	21 54	0 15	9 49	1 6	20 30	1 41	14 2	0 42	20 13	0 20	9 58	11 35
S 31	17s32	3n36	5n 5	10s59	1n 3	17s43	1s19	22s 0	0n14	9n52	1s 6	20s31	1n41	14s 1	0s42	20n14	0s20	9s58	11n35

ASTRODIENST EPHEMERIS for the year 1751

geocentric

FEBRUARY 1751

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 43 19	11 ⁵² 23	11 ¹⁷ 35	29 ²⁸ 8	15 ⁵⁴ 54	12 ²⁷ 28	28 ¹⁷ 26	11 ²⁷ 31	24 ³⁸ 38	28 ⁰ 7	6 ²¹ 21	20 ⁰ R28	19 ²⁰ 20	5 ¹³ 13	20 ¹⁶ 23	M 1
T 2	8 47 16	12 ⁵³ 13	25 ⁴⁹	29 ²⁸	17 ¹⁰	13 ⁸	28 ³⁴	11 ³⁵	24 ⁴²	28 ⁵ 5	6 ²³	20 ²⁴ 24	19 ¹⁶	5 ²⁰	20 ²⁶ 26	T 2
W 3	8 51 12	13 ⁵⁴ 01	9 ⁵⁹	29 ⁰ R39	18 ²⁵	13 ⁴⁸	28 ⁴⁰	11 ⁴⁰	24 ⁴⁵	28 ⁴ 4	6 ²⁴	20 ⁰ D23	19 ¹³	5 ²⁶	20 ²⁹ 29	W 3
T 4	8 55 9	14 ⁵⁴ 49	24 ⁴	29 ³⁸	19 ⁴⁰	14 ²⁷	28 ⁵⁰	11 ⁴⁴	24 ⁴⁸	28 ² 2	6 ²⁵	20 ²³	19 ¹⁰	5 ³³	20 ³³ 33	T 4
F 5	8 59 6	15 ⁵⁵ 34	8 ¹¹ 3	29 ²⁷	20 ⁵⁵	15 ⁷	28 ⁵⁹	11 ⁴⁹	24 ⁵²	28 ⁰ 0	6 ²⁶	20 ²⁴	19 ⁷	5 ⁴⁰	20 ³⁶ 36	F 5
S 6	9 3 2	16 ⁵⁶ 18	21 ⁵⁶	29 ⁵	22 ¹¹	15 ⁴⁷	29 ⁷	11 ⁵³	24 ⁵⁵	27 ⁵⁹	6 ²⁷	20 ⁰ R24	19 ⁴	5 ⁴⁶	20 ³⁹ 39	S 6
S 7	9 6 59	17 ⁵⁷ 01	5 ⁴¹	28 ³²	23 ²⁶	16 ²⁷	29 ¹⁶	11 ⁵⁷	24 ⁵⁹	27 ⁵⁷	6 ²⁸	20 ²³	19 ¹	5 ⁵³	20 ⁴¹ 41	S 7
M 8	9 10 55	18 ⁵⁷ 42	19 ¹⁹	27 ⁵⁰	24 ⁴¹	17 ⁷	29 ²⁵	12 ¹	25 ²	27 ⁵⁶	6 ²⁹	20 ²⁰	18 ⁵⁷	6 ⁰ 0	20 ⁴⁴ 44	M 8
T 9	9 14 52	19 ⁵⁸ 21	2 ⁴⁶	27 ⁰	25 ⁵⁶	17 ⁴⁶	29 ³⁴	12 ⁵	25 ⁶	27 ⁵⁴	6 ³⁰	20 ¹⁴	18 ⁵⁴	6 ⁶ 6	20 ⁴⁷ 47	T 9
W10	9 18 48	20 ⁵⁸ 59	16 ²	26 ²	27 ¹¹	18 ²⁶	29 ⁴³	12 ⁹	25 ⁹	27 ⁵³	6 ³¹	20 ⁵	18 ⁵¹	6 ¹³	20 ⁴⁹ 49	W10
T 11	9 22 45	21 ⁵⁹ 35	29 ⁴	24 ⁵⁹	28 ²⁶	19 ⁶	29 ⁵²	12 ¹³	25 ¹³	27 ⁵¹	6 ³²	19 ⁵⁴	18 ⁴⁸	6 ²⁰	20 ⁵² 52	T 11
F 12	9 26 41	23 ⁰ 10	11 ⁵²	23 ⁵³	29 ⁴¹	19 ⁴⁶	0 ⁸ 1	12 ¹⁷	25 ¹⁶	27 ⁵⁰	6 ³³	19 ⁴²	18 ⁴⁵	6 ²⁶	20 ⁵⁴ 54	F 12
S 13	9 30 38	24 ⁰ 43	24 ²⁴	22 ⁴⁴	0 ⁵⁷ 57	20 ²⁶	0 ¹¹	12 ²¹	25 ²⁰	27 ⁴⁸	6 ³⁴	19 ³¹	18 ⁴²	6 ³³	20 ⁵⁶ 56	S 13
S 14	9 34 35	25 ¹ 15	6 ⁴²	21 ³⁵	2 ¹²	21 ⁶	0 ²⁰	12 ²⁴	25 ²³	27 ⁴⁷	6 ³⁵	19 ²⁰	18 ³⁸	6 ⁴⁰	20 ⁵⁸ 58	S 14
M15	9 38 31	26 ¹ 46	18 ⁴⁸	20 ²⁸	3 ²⁷	21 ⁴⁵	0 ³⁰	12 ²⁸	25 ²⁶	27 ⁴⁵	6 ³⁶	19 ¹²	18 ³⁵	6 ⁴⁶	21 ⁰ 0	M15
T 16	9 42 28	27 ² 15	0 ⁴³	19 ²⁵	4 ⁴²	22 ²⁵	0 ⁴⁰	12 ³¹	25 ³⁰	27 ⁴⁴	6 ³⁷	19 ⁶	18 ³²	6 ⁵³	21 ² 2	T 16
W17	9 46 24	28 ² 44	12 ³⁴	18 ²⁵	5 ⁵⁷	23 ⁵	0 ⁴⁹	12 ³⁴	25 ³³	27 ⁴²	6 ³⁷	19 ²	18 ²⁹	7 ⁰ 0	21 ⁴ 4	W17
T 18	9 50 21	29 ³ 10	24 ²³	17 ³²	7 ¹²	23 ⁴⁵	1 ⁰ 0	12 ³⁸	25 ³⁷	27 ⁴¹	6 ³⁸	19 ⁰ D 1	18 ²⁶	7 ⁶ 6	21 ⁶ 6	T 18
F 19	9 54 17	0 ⁵ 36	6 ¹⁶	16 ⁴⁴	8 ²⁷	24 ²⁵	1 ¹⁰	12 ⁴¹	25 ⁴⁰	27 ⁴⁰	6 ³⁹	19 ¹	18 ²²	7 ¹³	21 ⁷ 7	F 19
S 20	9 58 14	1 ⁴ 00	18 ²⁰	16 ⁴	9 ⁴²	25 ⁵	1 ²⁰	12 ⁴⁴	25 ⁴⁴	27 ³⁸	6 ³⁹	19 ⁰ R 1	18 ¹⁹	7 ²⁰	21 ⁹ 9	S 20
S 21	10 2 10	2 ⁴ 23	0 ³⁹	15 ³¹	10 ⁵⁷	25 ⁴⁵	1 ³⁰	12 ⁴⁷	25 ⁴⁷	27 ³⁷	6 ⁴⁰	19 ¹	18 ¹⁶	7 ²⁷	21 ¹⁰ 10	S 21
M22	10 6 7	3 ⁴ 44	13 ¹⁸	15 ⁵	12 ¹²	26 ²⁴	1 ⁴¹	12 ⁵⁰	25 ⁵¹	27 ³⁵	6 ⁴⁰	18 ⁵⁸	18 ¹³	7 ³³	21 ¹¹ 11	M22
T 23	10 10 4	4 ⁵ 03	26 ²¹	14 ⁴⁷	13 ²⁷	27 ⁴	1 ⁵¹	12 ⁵³	25 ⁵⁴	27 ³⁴	6 ⁴¹	18 ⁵³	18 ¹⁰	7 ⁴⁰	21 ¹² 12	T 23
W24	10 14 0	5 ⁵ 22	9 ⁴⁹	14 ³⁵	14 ⁴²	27 ⁴⁴	2 ²	12 ⁵⁵	25 ⁵⁸	27 ³³	6 ⁴²	18 ⁴⁵	18 ⁷	7 ⁴⁷	21 ¹³ 13	W24
T 25	10 17 57	6 ⁵ 38	23 ⁴²	14 ⁰ D31	15 ⁵⁶	28 ²⁴	2 ¹³	12 ⁵⁸	26 ¹	27 ³²	6 ⁴²	18 ³⁵	18 ³	7 ⁵³	21 ¹⁴ 14	T 25
F 26	10 21 53	7 ⁵ 53	7 ⁵⁶	14 ³³	17 ¹¹	29 ⁴	2 ²⁴	13 ¹	26 ⁴	27 ³⁰	6 ⁴²	18 ²⁴	18 ⁰	8 ⁰ 0	21 ¹⁵ 15	F 26
S 27	10 25 50	8 ⁶ 06	22 ²⁷	14 ⁴¹	18 ²⁶	29 ⁴⁴	2 ³⁵	13 ³	26 ⁸	27 ²⁹	6 ⁴³	18 ¹²	17 ⁵⁷	8 ⁷ 7	21 ¹⁶ 16	S 27
S 28	10 29 46	9 ¹⁶ 17	7 ¹⁹ 6	14 ⁵⁶	19 ⁴¹	0 ²⁴ 24	2 ⁴⁶	13 ⁵ 5	26 ¹¹ 11	27 ²⁸ 28	6 ⁴³	18 ¹ 1	17 ⁵⁴	8 ¹³ 13	21 ¹⁶ 16	S 28

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	17s15	8n59	4n47	10s33	1n20	17s22	1s20	22s 6	0n13	9n55	1s 5	20s31	1n41	13s59	0s42	20n14	0s20	9s58	11n36	23s 8	23s 2	16s39	15s56	2n 0			
T 2	16 58	13 52	4 11	10 10	1 37	17 0	1 21	22 12	0 13	9 58	1 5	20 32	1 41	13 58	0 42	20 14	0 20	9 58	11 36	23 7	23 2	16 41	15 57	2 1			
W 3	16 41	17 59	3 19	9 50	1 54	16 37	1 22	22 17	0 12	10 1	1 5	20 32	1 42	13 57	0 42	20 15	0 20	9 58	11 36	23 7	23 2	16 43	15 57	2 1			
T 4	16 23	21 1	2 17	9 35	2 11	16 15	1 22	22 23	0 11	10 4	1 5	20 33	1 42	13 56	0 42	20 15	0 20	9 58	11 36	23 7	23 2	16 44	15 57	2 2			
F 5	16 5	22 46	1 6	9 23	2 27	15 51	1 23	22 28	0 10	10 7	1 4	20 33	1 42	13 55	0 42	20 16	0 20	9 58	11 37	23 7	23 1	16 46	15 58	2 2			
S 6	15 47	23 5	0s 8	9 17	2 42	15 28	1 24	22 33	0 9	10 11	1 4	20 34	1 42	13 54	0 42	20 16	0 20	9 58	11 37	23 7	23 1	16 48	15 58	2 3			
S 7	15 28	22 0	1 21	9 14	2 56	15 3	1 25	22 38	0 9	10 14	1 4	20 34	1 42	13 52	0 42	20 16	0 20	9 57	11 37	23 7	23 1	16 49	15 58	2 3			
M 8	15 10	19 38	2 28	9 17	3 9	14 39	1 25	22 43	0 8	10 17	1 4	20 35	1 42	13 51	0 42	20 16	0 20	9 57	11 38	23 7	23 1	16 51	15 58	2 4			
T 9	14 51	16 13	3 26	9 23	3 20	14 14	1 26	22 48	0 7	10 21	1 3	20 35	1 42	13 50	0 42	20 17	0 20	9 57	11 38	23 7	23 0	16 52	15 59	2 4			
W10	14 31	12 3	4 12	9 34	3 30	13 49	1 26	22 52	0 6	10 24	1 3	20 35	1 42	13 49	0 42	20 17	0 20	9 57	11 38	23 6	23 0	16 54	15 59	2 5			
T 11	14 12	7 23	4 44	9 48	3 37	13 23	1 26	22 56	0 5	10 27	1 3	20 36	1 42	13 48	0 42	20 17	0 20	9 57	11 38	23 5	23 0	16 56	15 59	2 5			
F 12	13 52	2 30	5 0	10 6	3 41	12 57	1 27	23 0	0 4	10 31	1 3	20 36	1 42	13 47	0 42	20 18	0 20	9 57	11 39	23 4	23 0	16 57	15 59	2 6			
S 13	13 32	2s24	5 2	10 26	3 44	12 31	1 27	23 4	0 4	10 34	1 3	20 37	1 43	13 45	0 42	20 18	0 20	9 57	11 39	23 3	22 59	16 59	15 59	2 6			
S 14	13 12	7 6	4 49	10 48	3 44	12 4	1 27	23 8	0 3	10 38	1 2	20 37	1 43	13 44	0 42	20 18	0 20	9 56	11 39	23 3	22 59	17 1	15 59	2 7			
M15	12 52	11 26	4 24	11 11	3 41	11 37	1 27	23 11	0 2	10 42	1 2	20 37	1 43	13 43	0 42	20 19	0 20	9 56	11 40	23 2	22 59	17 2	15 59	2 7			
T 16	12 31	15 17	3 47	11 35	3 37	11 9	1 27	23 14	0 1	10 45	1 2	20 38	1 43	13 42	0 42	20 19	0 20	9 56	11 40	23 1	22 59	17 4	15 59	2 8			
W17	12 10	18 30	3 1	11 59	3 31	10 42	1 27	23 17	0 0	10 49	1 2	20 38	1 43	13 41	0 42	20 19	0 20	9 56	11 40	23 1	22 58	17 5	15 59	2 8			
T 18	11 49	20 57	2 7	12 23	3 23	10 14	1 27	23 20	0s 1	10 53	1 1	20 38	1 43	13 40	0 42	20 20	0 20	9 56	11 41	23 1	22 58	17 7	15 59	2 9			
F 19	11 28	22 29	1 7	12 46	3 14	9 46	1 27	23 23	0 2	10 56	1 1	20 39	1 43	13 38	0 42	20 20	0 20	9 56	11 41	23 1	22 58	17 9	15 59	2 10			
S 20	11 7	23 1	0 4	13 8	3 3	9 17	1 27	23 26	0 3	11 0	1 1	20 39	1 43	13 37	0 42	20 20	0 20	9 55	11 41	23 1	22 57	17 10	15 59	2 10			
S 21	10 45	22 27	1n 1	13 29	2 51	8 48	1 27	23 28	0 4	11 4	1 1	20 39	1 43	13 36	0 42	20 20	0 20	9 55	11 41	23 1	22 57	17 12	15 58	2 11			
M22	10 23	20 44	2 5	13 48	2 39	8 19	1 26	23 30	0 5	11 8	1 0	20 39	1 43	13 35	0 42	20 21	0 20	9 55	11 42	23 1	22 57	17 13	15 58	2 11			
T 23	10 1	17 54	3 4	14 5	2 26	7 50	1 26	23 32	0 6	11 12	1 0	20 40	1 44	13 34	0 42	20 21	0 20	9 55	11 42	23 0	22 57	17 15	15 58	2 12			
W24	9 39	14 3	3 55	14 21	2 13	7 21	1 25	23 34	0 7	11 15	1 0	20 40	1 44	13 33	0 42	20 21	0 20	9 54	11 42	23 0	22 56	17 16	15 58	2 12			
T25	9 17	9 20	4 33	14 35	2 0	6 51	1 25	23 35	0 8	11 19	1 0	20 40	1 44	13 32	0 42	20 22	0 20	9 54	11 43	22 59	22 56	17 18	15 57	2 13			
F 26	8 55	4 2	4 56	14 48	1 46	6 22	1 24	23 37	0 9	11 23	1 0	20 40	1 44	13 30	0 42	20 22	0 20	9 54	11 43	22 58	22 56	17 20	15 57	2 13			
S 27	8 33	1n35	5 0	14 58	1 33	5 52	1 24	23 38	0 10	11 27	0 59	20 40	1 44	13 29	0 42	20 22	0 20	9 54	11 43	22 57	22 55	17 21	15 57	2 14			
S 28	8s10	7n10	4n44	15s 7	1n19	5s22	1s23	23s39	0s11	11n31	0s59	20s41	1n44	13s28	0s42	20n22	0s20	9s54	11n44	22s56	22s55	17s23	15s56	2n14			

ASTRODIENST EPHEMERIS for the year 1751
geocentric

MARCH 1751

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	10 33 43	10° 6'26"	21° 47'	15° 16'	20° 56'	1° 3'	2° 57'	13° 8'	26° 15'	27° 27'	6° 44'	17° 52'	17° 51'	8° 20'	21° 17'	M 1
T 2	10 37 39	11° 6'33"	6° 21'	15° 41'	22° 11'	1° 43'	3° 9'	13° 10'	26° 18'	27° 26'	6° 44'	17° 46'	17° 48'	8° 27'	21° 17'	T 2
W 3	10 41 36	12° 6'38"	20° 45'	16° 11'	23° 25'	2° 23'	3° 20'	13° 12'	26° 21'	27° 25'	6° 44'	17° 42'	17° 44'	8° 33'	21° 17'	W 3
T 4	10 45 32	13° 6'40"	4° 11'	16° 46'	24° 40'	3° 3'	3° 31'	13° 14'	26° 25'	27° 23'	6° 44'	17° 41'	17° 41'	8° 40'	21° 17'	T 4
F 5	10 49 29	14° 6'41"	18° 51'	17° 25'	25° 55'	3° 43'	3° 43'	13° 16'	26° 28'	27° 22'	6° 44'	17° 41'	17° 38'	8° 47'	21° 17'	F 5
S 6	10 53 26	15° 6'40"	2° 32'	18° 8'	27° 10'	4° 23'	3° 55'	13° 18'	26° 31'	27° 21'	6° 45'	17° 41'	17° 35'	8° 53'	21° 17'	S 6
S 7	10 57 22	16° 6'36"	15° 59'	18° 54'	28° 24'	5° 2'	4° 6'	13° 19'	26° 35'	27° 20'	6° 45'	17° 39'	17° 32'	9° 0'	21° 17'	S 7
M 8	11 1 19	17° 6'30"	29° 15'	19° 44'	29° 39'	5° 42'	4° 18'	13° 21'	26° 38'	27° 19'	6° 45'	17° 34'	17° 28'	9° 7'	21° 16'	M 8
T 9	11 5 15	18° 6'22"	12° 19'	20° 38'	0° 53'	6° 22'	4° 30'	13° 22'	26° 41'	27° 18'	6° 45'	17° 27'	17° 25'	9° 13'	21° 16'	T 9
W10	11 9 12	19° 6'11"	25° 13'	21° 34'	2° 8'	7° 2'	4° 42'	13° 24'	26° 45'	27° 18'	6° 45'	17° 16'	17° 22'	9° 20'	21° 15'	W10
T 11	11 13 8	20° 5'59"	7° 55'	22° 33'	3° 23'	7° 42'	4° 54'	13° 25'	26° 48'	27° 17'	6° 45'	17° 3'	17° 19'	9° 27'	21° 15'	T 11
F 12	11 17 5	21° 5'44"	20° 27'	23° 35'	4° 37'	8° 21'	5° 6'	13° 26'	26° 51'	27° 16'	6° 45'	16° 50'	17° 16'	9° 33'	21° 14'	F 12
S 13	11 21 1	22° 5'28"	2° 47'	24° 39'	5° 52'	9° 1'	5° 19'	13° 27'	26° 54'	27° 15'	6° 45'	16° 36'	17° 13'	9° 40'	21° 13'	S 13
S 14	11 24 58	23° 5'09"	14° 57'	25° 45'	7° 6'	9° 41'	5° 31'	13° 28'	26° 57'	27° 14'	6° 45'	16° 23'	17° 9'	9° 47'	21° 12'	S 14
M15	11 28 55	24° 4'49"	26° 57'	26° 54'	8° 21'	10° 21'	5° 43'	13° 29'	27° 1'	27° 13'	6° 44'	16° 12'	17° 6'	9° 53'	21° 11'	M15
T 16	11 32 51	25° 4'27"	8° 50'	28° 5'	9° 35'	11° 0'	5° 56'	13° 30'	27° 4'	27° 13'	6° 44'	16° 4'	17° 3'	10° 0'	21° 10'	T 16
W17	11 36 48	26° 4'03"	20° 39'	29° 18'	10° 49'	11° 40'	6° 8'	13° 30'	27° 7'	27° 12'	6° 44'	15° 59'	17° 0'	10° 7'	21° 8'	W17
T 18	11 40 44	27° 3'37"	2° 37'	0° 33'	12° 4'	12° 20'	6° 21'	13° 31'	27° 10'	27° 11'	6° 44'	15° 57'	16° 57'	10° 13'	21° 7'	T 18
F 19	11 44 41	28° 3'09"	14° 19'	1° 50'	13° 18'	13° 0'	6° 34'	13° 32'	27° 13'	27° 11'	6° 44'	15° 56'	16° 53'	10° 20'	21° 5'	F 19
S 20	11 48 37	29° 2'40"	26° 21'	3° 9'	14° 32'	13° 39'	6° 46'	13° 32'	27° 16'	27° 10'	6° 43'	15° 56'	16° 50'	10° 27'	21° 4'	S 20
S 21	11 52 34	0° 2'09"	8° 37'	4° 29'	15° 47'	14° 19'	6° 59'	13° 32'	27° 19'	27° 9'	6° 43'	15° 56'	16° 47'	10° 33'	21° 2'	S 21
M22	11 56 30	1° 1'36"	21° 14'	5° 51'	17° 1'	14° 59'	7° 12'	13° 32'	27° 22'	27° 9'	6° 42'	15° 54'	16° 44'	10° 40'	21° 0'	M22
T 23	12 0 27	2° 1'02"	4° 16'	7° 15'	18° 15'	15° 39'	7° 25'	13° 32'	27° 25'	27° 8'	6° 42'	15° 50'	16° 41'	10° 47'	20° 58'	T 23
W24	12 4 24	3° 0'25"	17° 45'	8° 40'	19° 29'	16° 18'	7° 38'	13° 32'	27° 28'	27° 8'	6° 42'	15° 44'	16° 38'	10° 53'	20° 56'	W24
T 25	12 8 20	3° 59'47"	1° 44'	10° 7'	20° 44'	16° 58'	7° 51'	13° 32'	27° 31'	27° 7'	6° 41'	15° 35'	16° 34'	11° 0'	20° 54'	T 25
F 26	12 12 17	4° 59'07"	16° 9'	11° 35'	21° 58'	17° 38'	8° 4'	13° 32'	27° 34'	27° 7'	6° 41'	15° 25'	16° 31'	11° 7'	20° 52'	F 26
S 27	12 16 13	5° 58'25"	0° 55'	13° 5'	23° 12'	18° 17'	8° 17'	13° 32'	27° 37'	27° 6'	6° 40'	15° 14'	16° 28'	11° 13'	20° 49'	S 27
S 28	12 20 10	6° 57'40"	15° 55'	14° 37'	24° 26'	18° 57'	8° 30'	13° 31'	27° 40'	27° 6'	6° 39'	15° 4'	16° 25'	11° 20'	20° 47'	S 28
M29	12 24 6	7° 56'54"	0° 58'	16° 10'	25° 40'	19° 36'	8° 44'	13° 31'	27° 43'	27° 6'	6° 39'	14° 56'	16° 22'	11° 27'	20° 45'	M29
T 30	12 28 3	8° 56'06"	15° 56'	17° 44'	26° 54'	20° 16'	8° 57'	13° 30'	27° 46'	27° 5'	6° 38'	14° 51'	16° 19'	11° 33'	20° 42'	T 30
W31	12 31 59	9° 55'15"	0° 40'	19° 20'	28° 9'	20° 55'	9° 10'	13° 29'	27° 48'	27° 5'	6° 38'	14° 48'	16° 15'	11° 40'	20° 39'	W31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	7s47	12n22	4n10	15s13	1n 6	4s51	1s22	23s40	0s12	11n35	0s59	20s41	1n44	13s27	0s42	20n23	0s20	9s53	11n44	22s55	22s55	17s24	15s56	2n15	
T 2	7 25	16 48	3 20	15 18	0 53	4 21	1 21	23 40	0 13	11 39	0 59	20 41	1 44	13 26	0 42	20 23	0 20	9 53	11 44	22 54	22 55	17 26	15 55	2 15	
W 3	7 2	20 10	2 17	15 22	0 41	3 51	1 20	23 41	0 14	11 43	0 59	20 41	1 45	13 25	0 42	20 23	0 20	9 53	11 45	22 54	22 54	17 27	15 55	2 16	
T 4	6 39	22 15	1 7	15 23	0 28	3 20	1 19	23 41	0 15	11 47	0 58	20 41	1 45	13 24	0 42	20 23	0 20	9 52	11 45	22 54	22 54	17 29	15 54	2 17	
F 5	6 16	22 54	0s 6	15 23	0 16	2 49	1 18	23 41	0 16	11 52	0 58	20 41	1 45	13 22	0 42	20 23	0 20	9 52	11 45	22 54	22 54	17 30	15 54	2 17	
S 6	5 52	22 9	1 18	15 21	0 5	2 19	1 17	23 41	0 17	11 56	0 58	20 41	1 45	13 21	0 42	20 24	0 20	9 52	11 46	22 54	22 53	17 32	15 53	2 18	
S 7	5 29	20 8	2 24	15 17	0s 7	1 48	1 16	23 40	0 18	12 0	0 58	20 41	1 45	13 20	0 42	20 24	0 20	9 52	11 46	22 54	22 53	17 33	15 53	2 18	
M 8	5 6	17 4	3 21	15 12	0 17	1 17	1 15	23 40	0 19	12 4	0 58	20 42	1 45	13 19	0 42	20 24	0 20	9 51	11 46	22 53	22 53	17 35	15 52	2 19	
T 9	4 43	13 11	4 6	15 5	0 28	0 46	1 14	23 39	0 20	12 8	0 58	20 42	1 45	13 18	0 42	20 24	0 20	9 51	11 46	22 53	22 53	17 36	15 52	2 19	
W10	4 19	8 46	4 38	14 56	0 38	0 15	1 12	23 38	0 21	12 12	0 57	20 42	1 45	13 17	0 42	20 25	0 20	9 51	11 47	22 52	22 52	17 38	15 51	2 20	
T 11	3 56	4 2	4 56	14 46	0 47	0n16	1 11	23 37	0 22	12 17	0 57	20 42	1 46	13 16	0 42	20 25	0 20	9 50	11 47	22 50	22 52	17 39	15 50	2 20	
F 12	3 32	0s48	4 59	14 34	0 57	0 47	1 9	23 36	0 24	12 21	0 57	20 42	1 46	13 15	0 42	20 25	0 20	9 50	11 47	22 49	22 52	17 41	15 49	2 21	
S 13	3 9	5 31	4 48	14 21	1 5	1 17	1 8	23 34	0 25	12 25	0 57	20 42	1 46	13 14	0 42	20 25	0 20	9 50	11 48	22 48	22 51	17 42	15 49	2 22	
S 14	2 45	9 57	4 24	14 6	1 13	1 48	1 6	23 33	0 26	12 29	0 57	20 42	1 46	13 12	0 42	20 25	0 20	9 49	11 48	22 46	22 51	17 44	15 48	2 22	
M15	2 21	13 57	3 48	13 50	1 21	2 19	1 5	23 31	0 27	12 34	0 56	20 42	1 46	13 11	0 42	20 25	0 19	9 49	11 48	22 45	22 51	17 45	15 47	2 23	
T 16	1 58	17 21	3 3	13 32	1 29	2 50	1 3	23 29	0 28	12 38	0 56	20 42	1 46	13 10	0 42	20 26	0 19	9 49	11 49	22 45	22 50	17 47	15 46	2 23	
W17	1 34	20 1	2 10	13 13	1 36	3 21	1 1	23 27	0 29	12 42	0 56	20 42	1 46	13 9	0 42	20 26	0 19	9 48	11 49	22 44	22 50	17 48	15 45	2 24	
T 18	1 10	21 50	1 11	12 53	1 42	3 52	1 0	23 24	0 31	12 46	0 56	20 42	1 46	13 8	0 43	20 26	0 19	9 48	11 49	22 44	22 50	17 50	15 44	2 24	
F 19	0 47	22 41	0 9	12 31	1 48	4 22	0 58	23 22	0 32	12 51	0 56	20 42	1 46	13 7	0 43	20 26	0 19	9 48	11 49	22 44	22 49	17 51	15 44	2 25	
S 20	0 23	22 30	0n55	12 8	1 54	4 53	0 56	23 19	0 33	12 55	0 56	20 41	1 47	13 6	0 43	20 26	0 19	9 47	11 50	22 44	22 49	17 53	15 43	2 25	
S 21	0n 1	21 14	1 57	11 43	1 59	5 23	0 54	23 16	0 34	12 59	0 55	20 41	1 47	13 5	0 43	20 26	0 19	9 47	11 50	22 44	22 49	17 54	15 42	2 26	
M22	0 25	18 54	2 56	11 17	2 3	5 54	0 52	23 13	0 36	13 4	0 55	20 41	1 47	13 4	0 43	20 27	0 19	9 47	11 50	22 43	22 49	17 55	15 41	2 26	
T 23	0 48	15 32	3 47	10 50	2 8	6 24	0 50	23 10	0 37	13 8	0 55	20 41	1 47	13 3	0 43	20 27	0 19	9 46	11 51	22 43	22 48	17 57	15 40	2 27	
W24	1 12	11 17	4 27	10 22	2 11	6 54	0 48	23 6	0 38	13 12	0 55	20 41	1 47	13 2	0 43	20 27	0 19	9 46	11 51	22 42	22 48	17 58	15 39	2 27	
T 25	1 35	6 18	4 54	9 52	2 15	7 24	0 46	23 3	0 39	13 17	0 55	20 41	1 47	13 1	0 43	20 27	0 19	9 46	11 51	22 41	22 48	18 0	15 38	2 28	
F 26	1 59	0 50	5 2	9 21	2 18	7 53	0 44	22 59	0 41	13 21	0 55	20 41	1 47	13 0	0 43	20 27	0 19	9 45	11 51	22 40	22 47	18 1	15 36	2 28	
S 27	2 23	4n49	4 51	8 48	2 20	8 23	0 42	22 55	0 42	13 26	0 55	20 41	1 47	12 59	0 43	20 27	0 19	9 45	11 52	22 39	22 47	18 3	15 35	2 29	
S 28	2 46	10 16	4 20	8 15	2 22	8 52	0 39	22 51	0 43	13 30	0 54	20 40	1 48	12 58	0 43	20 27	0 19	9 45	11 52	22 38	22 47	18 4	15 34	2 30	
M29	3 9	15 7	3 31	7 40	2 23	9 22	0 37	22 46	0 45	13 34	0 54	20 40	1 48	12 57	0 43	20 27	0 19	9 44	11 52	22 37	22 46	18 5	15 33	2 30	
T 30	3 33	18 59	2 27	7 4	2 24	9 50	0 35	22 42	0 46	13 39	0 54	20 40	1 48	12 56	0 43	20 27	0 19	9 44	11 53	22 37	22 46	18 7	15 32	2 31	
W31	3n56	21n32	1n15	6s27	2s25	10n19	0s32	22s37	0s47	13n43	0s54	20s40	1n48	12s55	0s43	20n27	0s19	9s44	11n53	22s36	22s46	18s 8	15s31	2n31	

ASTRODIENST EPHEMERIS for the year 1751

geocentric

APRIL 1751

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 35 56	10°54'22	15°11' 6	20°57'57	29°17'22	21°35'35	9°8'24	13°R29	27°55'51	27°R 5	6°R37	14°D47	16°12'12	11°M47	20°R36	T 1
F 2	12 39 53	11°53'27	29°10' 0	22°36'36	0°8'36	22°14'14	9°37'37	13°12'28	27°54'54	27°5 5	6°12'36	14°14'48	16°9' 9	11°53'53	20°M34	F 2
S 3	12 43 49	12°52'30	12°53'53	24°16'16	1°50'50	22°54'54	9°51'51	13°27'27	27°57'57	27° 4	6°35'35	14°R48	16°6' 6	12°0' 0	20°31'31	S 3
S 4	12 47 46	13°51'30	26°16'16	25°58'58	3° 4' 4	23°33'33	10° 4' 4	13°26'26	27°59'59	27° 4	6°35'35	14°47'47	16°3' 3	12°7' 7	20°28'28	S 4
M 5	12 51 42	14°50'28	9°22'22	27°41'41	4°17'17	24°13'13	10°18'18	13°24'24	28°2' 2	27° 4	6°34'34	14°44'44	15°59'59	12°13'13	20°25'25	M 5
T 6	12 55 39	15°49'23	22°12'12	29°25'25	5°31'31	24°52'52	10°31'31	13°23'23	28°5' 5	27° 4	6°33'33	14°39'39	15°56'56	12°20'20	20°21'21	T 6
W 7	12 59 35	16°48'16	4°14'48	1°11'11	6°45'45	25°31'31	10°45'45	13°22'22	28°7' 7	27° 4	6°32'32	14°32'32	15°53'53	12°27'27	20°18'18	W 7
T 8	13 3 32	17°47'07	17°14'14	2°59'59	7°59'59	26°11'11	10°59'59	13°20'20	28°10'10	27°D 4	6°31'31	14°22'22	15°50'50	12°33'33	20°15'15	T 8
F 9	13 7 28	18°45'56	29°30'30	4°48'48	9°12'12	26°50'50	11°13'13	13°19'19	28°12'12	27° 4	6°30'30	14°12'12	15°47'47	12°40'40	20°11'11	F 9
S 10	13 11 25	19°44'43	11°12'12	6°39'39	10°26'26	27°29'29	11°26'26	13°17'17	28°15'15	27° 4	6°29'29	14°1' 1	15°44'44	12°47'47	20°8' 8	S 10
S 11	13 15 21	20°43'27	23°37'37	8°31'31	11°40'40	28°9' 9	11°40'40	13°15'15	28°17'17	27° 4	6°28'28	13°52'52	15°40'40	12°53'53	20°4' 4	S 11
M12	13 19 18	21°42'10	5°11'11	10°25'25	12°53'53	28°48'48	11°54'54	13°13'13	28°19'19	27° 4	6°27'27	13°44'44	15°37'37	13°0' 0	20°1' 1	M12
T 13	13 23 15	22°40'51	17°21'21	12°20'20	14°7' 7	29°27'27	12°8' 8	13°11'11	28°22'22	27° 4	6°26'26	13°38'38	15°34'34	13°7' 7	19°57'57	T 13
W14	13 27 11	23°39'30	29°9' 9	14°17'17	15°20'20	0°6' 6	12°22'22	13°9' 9	28°24'24	27° 5	6°25'25	13°35'35	15°31'31	13°13'13	19°53'53	W14
T 15	13 31 8	24°38'07	10°12'12	16°15'15	16°34'34	0°45'45	12°36'36	13°7' 7	28°26'26	27° 5	6°24'24	13°D34	15°28'28	13°20'20	19°50'50	T 15
F 16	13 35 4	25°36'43	22°52'52	18°15'15	17°47'47	1°24'24	12°50'50	13°5' 5	28°29'29	27° 5	6°23'23	13°34'34	15°24'24	13°27'27	19°46'46	F 16
S 17	13 39 1	26°35'17	4°35'17	20°16'16	19°0' 0	2°3' 3	13°3' 3	13°3' 3	28°31'31	27° 5	6°22'22	13°35'35	15°21'21	13°33'33	19°42'42	S 17
S 18	13 42 57	27°33'49	17°10'10	22°18'18	20°14'14	2°42'42	13°17'17	13°0' 0	28°33'33	27° 6	6°21'21	13°36'36	15°18'18	13°40'40	19°38'38	S 18
M19	13 46 54	28°32'19	29°45'45	24°22'22	21°27'27	3°21'21	13°31'31	12°58'58	28°35'35	27° 6	6°20'20	13°R37	15°15'15	13°47'47	19°34'34	M19
T 20	13 50 50	29°30'48	12°42'42	26°27'27	22°40'40	4°0' 0	13°46'46	12°55'55	28°37'37	27° 7	6°18'18	13°36'36	15°12'12	13°53'53	19°30'30	T 20
W21	13 54 47	0°29'15	26°6' 6	28°33'33	23°54'54	4°39'39	14°0' 0	12°53'53	28°39'39	27° 7	6°17'17	13°33'33	15°9' 9	14°0' 0	19°26'26	W21
T 22	13 58 44	1°27'41	10°12'12	0°41'41	25°7' 7	5°18'18	14°14'14	12°50'50	28°41'41	27° 7	6°16'16	13°29'29	15°5' 5	14°7' 7	19°21'21	T 22
F 23	14 2 40	2°26'05	24°21'21	2°49'49	26°20'20	5°57'57	14°28'28	12°47'47	28°43'43	27° 8	6°15'15	13°23'23	15°2' 2	14°13'13	19°17'17	F 23
S 24	14 6 37	3°24'27	9°17'17	4°57'57	27°33'33	6°35'35	14°42'42	12°44'44	28°45'45	27° 8	6°13'13	13°17'17	14°59'59	14°20'20	19°13'13	S 24
S 25	14 10 33	4°22'48	24°11'11	7°6' 6	28°46'46	7°14'14	14°56'56	12°42'42	28°47'47	27° 9	6°12'12	13°12'12	14°56'56	14°27'27	19°9' 9	S 25
M26	14 14 30	5°21'07	9°12'12	9°15'15	29°59'59	7°53'53	15°10'10	12°39'39	28°49'49	27°10	6°11'11	13°7' 7	14°53'53	14°33'33	19°4' 4	M26
T 27	14 18 26	6°19'24	24°36'36	11°24'24	1°12'12	8°31'31	15°24'24	12°35'35	28°51'51	27°10	6°9' 9	13°4' 4	14°50'50	14°40'40	19°0' 0	T 27
W28	14 22 23	7°17'40	9°12'12	13°33'33	2°25'25	9°10'10	15°39'39	12°32'32	28°52'52	27°11	6°8' 8	13°D3	14°46'46	14°47'47	18°56'56	W28
T 29	14 26 19	8°15'53	24°19'19	15°41'41	3°38'38	9°48'48	15°53'53	12°29'29	28°54'54	27°12	6°7' 7	13°3' 3	14°43'43	14°53'53	18°51'51	T 29
F 30	14 30 16	9°14'05	8°37'37	17°47'47	4°11'11	10°27'27	16°8' 7	12°12'12	28°56'56	27°12	6°12'12	13°12'12	14°40'40	15°11'11	18°47'47	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
T 1	4n19	22n37	0s 2	5s48	2s25	10n48	0s30	22s32	0s49	13n47	0s54	20s40	1n48	12s54	0s43	20n27
F 2	4 42	22 12	1 16	5 9	2 24	11 16	0 28	22 28	0 50	13 52	0 54	20 40	1 48	12 53	0 43	20 28
S 3	5 5	20 27	2 24	4 28	2 23	11 44	0 25	22 22	0 52	13 56	0 54	20 39	1 48	12 52	0 43	20 28
S 4	5 28	17 36	3 23	3 46	2 22	12 12	0 23	22 17	0 53	14 1	0 53	20 39	1 48	12 52	0 43	20 28
M 5	5 51	13 56	4 9	3 3	2 20	12 39	0 20	22 12	0 54	14 5	0 53	20 39	1 48	12 51	0 43	20 28
T 6	6 14	9 41	4 42	2 20	2 17	13 6	0 18	22 6	0 56	14 9	0 53	20 39	1 48	12 50	0 43	20 28
W 7	6 37	5 6	5 0	1 35	2 14	13 33	0 15	22 0	0 57	14 14	0 53	20 38	1 49	12 49	0 43	20 28
T 8	6 59	0 22	5 4	0 49	2 11	13 59	0 13	21 54	0 59	14 18	0 53	20 38	1 49	12 48	0 43	20 28
F 9	7 22	4s18	4 54	0 1	2 7	14 25	0 10	21 48	1 0	14 22	0 53	20 38	1 49	12 47	0 43	20 28
S 10	7 44	8 45	4 31	0n46	2 2	14 51	0 7	21 42	1 2	14 27	0 53	20 37	1 49	12 46	0 43	20 28
S 11	8 6	12 50	3 55	1 35	1 57	15 16	0 5	21 36	1 3	14 31	0 53	20 37	1 49	12 46	0 43	20 28
M12	8 28	16 22	3 10	2 25	1 51	15 42	0 2	21 29	1 5	14 36	0 53	20 37	1 49	12 45	0 43	20 28
T 13	8 50	19 13	2 16	3 16	1 45	16 6	0n0	21 23	1 6	14 40	0 52	20 36	1 49	12 44	0 43	20 28
W14	9 12	21 15	1 17	4 7	1 39	16 30	0 3	21 16	1 8	14 44	0 52	20 36	1 49	12 43	0 43	20 28
T 15	9 33	22 21	0 14	4 59	1 32	16 54	0 6	21 9	1 10	14 49	0 52	20 36	1 49	12 42	0 43	20 28
F 16	9 55	22 27	0n50	5 52	1 24	17 18	0 8	21 2	1 11	14 53	0 52	20 35	1 49	12 42	0 43	20 28
S 17	10 16	21 30	1 53	6 45	1 16	17 40	0 11	20 55	1 13	14 57	0 52	20 35	1 49	12 41	0 43	20 28
S 18	10 37	19 32	2 52	7 39	1 8	18 3	0 14	20 47	1 14	15 2	0 52	20 35	1 50	12 40	0 43	20 28
M19	10 58	16 35	3 44	8 33	0 59	18 25	0 17	20 40	1 16	15 6	0 52	20 34	1 50	12 40	0 43	20 28
T 20	11 19	12 45	4 26	9 27	0 50	18 47	0 19	20 32	1 18	15 10	0 52	20 34	1 50	12 39	0 43	20 28
W21	11 39	8 11	4 56	10 21	0 40	19 8	0 22	20 25	1 19	15 14	0 52	20 33	1 50	12 38	0 43	20 27
T 22	12 0	3 3	5 9	11 15	0 30	19 28	0 25	20 17	1 21	15 19	0 51	20 33	1 50	12 37	0 43	20 27
F 23	12 20	2n25	5 4	12 9	0 20	19 48	0 27	20 9	1 23	15 23	0 51	20 33	1 50	12 37	0 43	20 27
S 24	12 40	7 54	4 39	13 2	0 10	20 8	0 30	20 1	1 24	15 27	0 51	20 32	1 50	12 36	0 44	20 27
S 25	13 0	13 2	3 55	13 55	0n1	20 27	0 33	19 52	1 26	15 31	0 51	20 32	1 50	12 36	0 44	20 27
M26	13 19	17 23	2 53	14 47	0 12	20 45	0 35	19 44	1 28	15 36	0 51	20 31	1 50	12 35	0 44	20 27
T 27	13 39	20 33	1 39	15 37	0 22	21 3	0 38	19 36	1 30	15 40	0 51	20 31	1 50	12 34	0 44	20 27
W28	13 58	22 14	0 19	16 27	0 33	21 20	0 41	19 27	1 31	15 44	0 51	20 30	1 50	12 34	0 44	20 27
T 29	14 17	22 20	1s 1	17 15	0 43	21 37	0 43	19 19	1 33	15 48	0 51	20 30	1 50	12 33	0 44	20 27
F 30	14n35	20n56	2s15	18n 1	0n54	21n53	0n46	19s10	1s35	15n52	0s51	20s30	1n50	12s33	0s44	20n27

Julian Day Number = 2360689.5, Delta T = 16.37 sec

Ecliptic obliquity = 23°28'16, Nutation = 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 21°16'03, Lahiri = 20°23'03Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1751

geocentric

MAY 1751

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 34 13	10 ⁸ 12'14	22 ⁵ 30	19 ⁸ 53	6 ^{II} 4	11 [≈] 5	16 ⁸ 21	12°R22	28 [≈] 58	27 ⁵ 13	6°R 4	13 [≈] 6	14 [≈] 37	15 [≈] 7	18°R42	S 1
S 2	14 38 9	11°10'22	5 ⁸ 59	21°57	7°17	11°43	16°35	12 [≈] 19	28°59	27°14	6 [≈] 2	13°R 7	14°34	15°13	18 [≈] 38	S 2
M 3	14 42 6	12° 8'27	19° 4	23°59	8°30	12°21	16°50	12°16	29° 1	27°15	6° 1	13° 7	14°30	15°20	18°33	M 3
T 4	14 46 2	13° 6'31	1 [≈] 50	25°59	9°42	12°59	17° 4	12°12	29° 2	27°15	5°59	13° 5	14°27	15°27	18°29	T 4
W 5	14 49 59	14° 4'32	14°19	27°56	10°55	13°37	17°18	12° 8	29° 4	27°16	5°58	13° 3	14°24	15°33	18°24	W 5
T 6	14 53 55	15° 2'32	26°35	29°51	12° 8	14°15	17°32	12° 5	29° 5	27°17	5°56	12°59	14°21	15°40	18°20	T 6
F 7	14 57 52	16° 0'30	8 [≈] 40	1 ^{II} 44	13°20	14°53	17°47	12° 1	29° 6	27°18	5°55	12°54	14°18	15°47	18°15	F 7
S 8	15 1 48	16°58'26	20°38	3°33	14°33	15°31	18° 1	11°57	29° 8	27°19	5°53	12°50	14°15	15°53	18°11	S 8
S 9	15 5 45	17°56'20	2 [≈] 31	5°19	15°45	16° 9	18°15	11°53	29° 9	27°20	5°52	12°46	14°11	16° 0	18° 6	S 9
M10	15 9 42	18°54'13	14°20	7° 2	16°58	16°46	18°29	11°50	29°10	27°21	5°50	12°43	14° 8	16° 7	18° 2	M10
T 11	15 13 38	19°52'04	26° 9	8°42	18°10	17°24	18°43	11°46	29°11	27°22	5°49	12°40	14° 5	16°13	17°57	T 11
W12	15 17 35	20°49'54	7 [≈] 59	10°18	19°22	18° 1	18°58	11°42	29°12	27°23	5°47	12°D39	14° 2	16°20	17°53	W12
T 13	15 21 31	21°47'43	19°52	11°51	20°35	18°39	19°12	11°38	29°14	27°24	5°46	12°39	13°59	16°27	17°48	T 13
F 14	15 25 28	22°45'30	1 [≈] 51	13°21	21°47	19°16	19°26	11°34	29°15	27°25	5°44	12°40	13°56	16°33	17°44	F 14
S 15	15 29 24	23°43'16	14° 0	14°47	22°59	19°53	19°40	11°30	29°16	27°27	5°43	12°42	13°52	16°40	17°39	S 15
S 16	15 33 21	24°41'01	26°21	16° 9	24°11	20°30	19°55	11°25	29°17	27°28	5°41	12°43	13°49	16°47	17°35	S 16
M17	15 37 17	25°38'45	8 [≈] 58	17°28	25°23	21° 7	20° 9	11°21	29°17	27°29	5°39	12°44	13°46	16°53	17°30	M17
T 18	15 41 14	26°36'27	21°55	18°43	26°35	21°44	20°23	11°17	29°18	27°30	5°38	12°R45	13°43	17° 0	17°26	T 18
W19	15 45 11	27°34'09	5 [≈] 15	19°54	27°47	22°21	20°37	11°13	29°19	27°32	5°36	12°45	13°40	17° 7	17°21	W19
T 20	15 49 7	28°31'49	18°59	21° 1	28°59	22°58	20°51	11° 9	29°20	27°33	5°35	12°44	13°36	17°13	17°17	T 20
F 21	15 53 4	29°29'29	3 [≈] 10	22° 5	0 [≈] 11	23°34	21° 5	11° 4	29°21	27°34	5°33	12°43	13°33	17°20	17°13	F 21
S 22	15 57 0	0 ^{II} 27'07	17°44	23° 5	1°23	24°11	21°20	11° 0	29°21	27°36	5°31	12°42	13°30	17°27	17° 8	S 22
S 23	16 0 57	1°24'45	2 [≈] 37	24° 0	2°35	24°47	21°34	10°56	29°22	27°37	5°30	12°40	13°27	17°33	17° 4	S 23
M24	16 4 53	2°22'21	17°43	24°52	3°47	25°23	21°48	10°51	29°22	27°38	5°28	12°39	13°24	17°40	17° 0	M24
T 25	16 8 50	3°19'57	2 ^{II} 52	25°40	4°59	25°59	22° 2	10°47	29°23	27°40	5°26	12°39	13°21	17°47	16°56	T 25
W26	16 12 46	4°17'31	17°56	26°23	6°10	26°35	22°16	10°42	29°23	27°41	5°25	12°D39	13°17	17°53	16°51	W26
T 27	16 16 43	5°15'04	2 [≈] 46	27° 2	7°22	27°11	22°30	10°38	29°24	27°43	5°23	12°39	13°14	18° 0	16°47	T 27
F 28	16 20 40	6°12'36	17°15	27°37	8°33	27°47	22°44	10°34	29°24	27°44	5°22	12°39	13°11	18° 7	16°43	F 28
S 29	16 24 36	7°10'07	1 [≈] 18	28° 7	9°45	28°22	22°58	10°29	29°24	27°46	5°20	12°40	13° 8	18°13	16°39	S 29
S 30	16 28 33	8° 7'37	14°55	28°33	10°56	28°57	23°12	10°25	29°25	27°47	5°18	12°40	13° 5	18°20	16°35	S 30
M31	16 32 29	9 ^{II} 5'05	28 [≈] 7	28 ^{II} 54	12° 8	29°≈33	23 [≈] 26	10 [≈] 20	29°≈25	27°≈49	5 [≈] 17	12 [≈] 41	13 [≈] 2	18 [≈] 27	16 [≈] 31	M31

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
S 1	14n54	18n19	3s19	18n45	1n 4	22n 9	0n49	19s 1	1s37	15n56	0s51	20s29	1n50	12s32	0s44	20n27	0s18	9s33	11n59	22s24	22s35	18s49	14s46	2n45
S 2	15 12	14 46	4 10	19 28	1 14	22 24	0 51	18 52	1 38	16 1	0 51	20 29	1 50	12 32	0 44	20 26	0 18	9 32	11 59	22 24	22 35	18 50	14 45	2 45
M 3	15 30	10 35	4 46	20 8	1 23	22 38	0 54	18 43	1 40	16 5	0 50	20 28	1 50	12 31	0 44	20 26	0 18	9 32	11 59	22 24	22 34	18 51	14 43	2 46
T 4	15 48	6 3	5 7	20 46	1 32	22 52	0 56	18 34	1 42	16 9	0 50	20 28	1 50	12 31	0 44	20 26	0 18	9 32	11 59	22 24	22 34	18 53	14 42	2 46
W 5	16 5	1 22	5 13	21 21	1 40	23 5	0 59	18 25	1 44	16 13	0 50	20 27	1 51	12 30	0 44	20 26	0 18	9 31	11 59	22 24	22 33	18 54	14 40	2 46
T 6	16 22	3s18	5 4	21 54	1 48	23 17	1 1	18 16	1 46	16 17	0 50	20 27	1 51	12 30	0 44	20 26	0 18	9 31	11 59	22 23	22 33	18 55	14 38	2 47
F 7	16 39	7 46	4 42	22 24	1 55	23 29	1 4	18 6	1 48	16 21	0 50	20 26	1 51	12 29	0 44	20 26	0 18	9 31	11 59	22 23	22 33	18 56	14 37	2 47
S 8	16 56	11 54	4 8	22 52	2 1	23 40	1 6	17 57	1 50	16 25	0 50	20 26	1 51	12 29	0 44	20 25	0 18	9 30	11 59	22 22	22 32	18 58	14 35	2 47
S 9	17 12	15 32	3 23	23 18	2 7	23 51	1 9	17 48	1 52	16 29	0 50	20 25	1 51	12 28	0 44	20 25	0 18	9 30	11 59	22 21	22 32	18 59	14 34	2 48
M10	17 28	18 33	2 30	23 40	2 11	24 1	1 11	17 38	1 54	16 33	0 50	20 24	1 51	12 28	0 44	20 25	0 18	9 30	11 59	22 21	22 32	19 0	14 32	2 48
T 11	17 44	20 46	1 30	24 1	2 15	24 10	1 13	17 28	1 56	16 37	0 50	20 24	1 51	12 28	0 44	20 25	0 18	9 30	11 59	22 21	22 31	19 1	14 31	2 48
W12	17 59	22 6	0 26	24 19	2 19	24 18	1 16	17 19	1 57	16 41	0 50	20 23	1 51	12 27	0 44	20 25	0 18	9 29	11 59	22 21	22 31	19 2	14 29	2 48
T 13	18 14	22 25	0n40	24 34	2 21	24 26	1 18	17 9	1 59	16 45	0 50	20 23	1 51	12 27	0 44	20 25	0 18	9 29	11 59	22 21	22 30	19 4	14 28	2 49
F 14	18 29	21 43	1 44	24 47	2 23	24 33	1 20	16 59	2 1	16 49	0 50	20 22	1 51	12 27	0 44	20 24	0 18	9 29	11 59	22 21	22 30	19 5	14 26	2 49
S 15	18 44	20 0	2 45	24 58	2 23	24 39	1 22	16 49	2 3	16 53	0 50	20 22	1 51	12 26	0 44	20 24	0 18	9 28	11 59	22 21	22 30	19 6	14 25	2 49
S 16	18 58	17 20	3 39	25 7	2 23	24 45	1 24	16 39	2 5	16 57	0 50	20 21	1 51	12 26	0 44	20 24	0 18	9 28	11 59	22 21	22 29	19 7	14 23	2 50
M17	19 12	13 48	4 23	25 14	2 22	24 50	1 26	16 29	2 8	17 0	0 50	20 21	1 51	12 26	0 44	20 24	0 18	9 28	11 59	22 21	22 29	19 8	14 22	2 50
T 18	19 25	9 33	4 56	25 19	2 20	24 54	1 28	16 19	2 10	17 4	0 49	20 20	1 51	12 25	0 44	20 23	0 18	9 28	11 59	22 21	22 29	19 9	14 20	2 50
W19	19 39	4 44	5 14	25 22	2 17	24 58	1 30	16 9	2 12	17 8	0 49	20 20	1 51	12 25	0 44	20 23	0 18	9 27	11 59	22 21	22 28	19 11	14 19	2 50
T 20	19 52	0n28	5 15	25 23	2 13	25 0	1 32	15 59	2 14	17 12	0 49	20 19	1 51	12 25	0 45	20 23	0 18	9 27	11 59	22 21	22 28	19 12	14 17	2 51
F 21	20 4	5 48	4 57	25 23	2 9	25 2	1 34	15 49	2 16	17 16	0 49	20 18	1 51	12 25	0 45	20 23	0 18	9 27	11 59	22 21	22 27	19 13	14 16	2 51
S 22	20 16	10 58	4 20	25 20	2 3	25 4	1 36	15 39	2 18	17 19	0 49	20 18	1 51	12 25	0 45	20 22	0 18	9 27	11 59	22 21	22 27	19 14	14 14	2 51
S 23	20 28	15 35	3 24	25 17	1 57	25 4	1 38	15 29	2 20	17 23	0 49	20 17	1 51	12 24	0 45	20 22	0 18	9 27	11 59	22 21	22 27	19 15	14 13	2 51
M24	20 40	19 17	2 14	25 12	1 50	25 4	1 39	15 18	2 22	17 27	0 49	20 17	1 51	12 24	0 45	20 22	0 18	9 26	11 59	22 21	22 26	19 16	14 11	2 52
T 25	20 51	21 39	0 54	25 5	1 41	25 4	1 41	15 8	2 24	17 30	0 49	20 16	1 50	12 24	0 45	20 22	0 18	9 26	11 59	22 21	22 26	19 17	14 10	2 52
W26	21 2	22 26	0s29	24 57	1 32	25 2	1 43	14 58	2 27	17 34	0 49	20 15	1 50	12 24	0 45	20 21	0 18	9 26	11 59	22 21	22 25	19 18	14 9	2 52
T 27	21 12	21 37	1 49	24 48	1 22	25 0	1 44	14 48	2 29	17 38	0 49	20 15	1 50	12 24	0 45	20 21	0 18	9 26	11 59	22 21	22 25	19 20	14 7	2 52
F 28	21 22	19 22	3 1	24 38	1 11	24 57	1 46	14 37	2 31	17 41	0 49	20 14	1 50	12 24	0 45	20 21	0 18	9 26	11 59	22 21	22 25	19 21	14 6	2 52
S 29	21 32	16 1	3 59	24 27	1 0	24 53	1 47	14 27	2 33	17 45	0 49	20 14	1 50	12 24	0 45	20 21	0 18	9 25	11 59	22 21	22 24	19 22	14 5	2 53
S 30	21 41	11 54	4 41	24 15	0 47	24 49	1 48	14 17	2 36	17 48	0 49	20 13	1 50	12 24	0 45	20 20	0 18	9 25	11 58	22 21	22 24	19 23	14 3	2 53
M31	21n50	7n20	5s 8	24n 2	0n34	24n44	1n49	14s 6	2s38	17n52	0s49	20s13	1n50	12s24	0s45	20n20	0s18	9s25	11n58	22s21	22s23	19s24	14s 2	2n53

ASTRODIENST EPHEMERIS for the year 1751
geocentric

JULY 1751

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
T 1	18 34 42	8 ^h 40'48	14 ^h 6	21 ^h II 4	18 ^h Ω25	15 ^h ♋57	0 ^h II 19	8 ^h R12	29 ^h R 8	28 ^h ☾47	4 ^h R30	12 ^h D24	11 ^h ♊23	21 ^h ♌53	15 ^h R 4	T 1
F 2	18 38 39	9 ^h 38'00	26 ^h 6	21 ^h 21	19 ^h 34	16 ^h 25	0 ^h 31	8 ^h ♊ 9	29 ^h ≈ 7	28 ^h 50	4 ^h ♊29	12 ^h ♊25	11 ^h 20	22 ^h 0	15 ^h ♌ 3	F 2
S 3	18 42 36	10 ^h 35'11	7 ^h ♌58	21 ^h 43	20 ^h 43	16 ^h 51	0 ^h 44	8 ^h 5	29 ^h 5	28 ^h 52	4 ^h 28	12 ^h 26	11 ^h 17	22 ^h 6	15 ^h 1	S 3
S 4	18 46 32	11 ^h 32'22	19 ^h 46	22 ^h 9	21 ^h 51	17 ^h 18	0 ^h 56	8 ^h 2	29 ^h 4	28 ^h 54	4 ^h 27	12 ^h 28	11 ^h 14	22 ^h 13	15 ^h 0	S 4
M 5	18 50 29	12 ^h 29'33	1 ^h ♊36	22 ^h 41	23 ^h 0	17 ^h 44	1 ^h 9	7 ^h 59	29 ^h 3	28 ^h 56	4 ^h 25	12 ^h 29	11 ^h 10	22 ^h 20	14 ^h 59	M 5
T 6	18 54 25	13 ^h 26'44	13 ^h 30	23 ^h 17	24 ^h 8	18 ^h 9	1 ^h 21	7 ^h 55	29 ^h 1	28 ^h 58	4 ^h 24	12 ^h R30	11 ^h 7	22 ^h 26	14 ^h 58	T 6
W 7	18 58 22	14 ^h 23'55	25 ^h 33	23 ^h 59	25 ^h 17	18 ^h 34	1 ^h 33	7 ^h 52	29 ^h 0	29 ^h 0	4 ^h 23	12 ^h 29	11 ^h 4	22 ^h 33	14 ^h 57	W 7
T 8	19 2 18	15 ^h 21'07	7 ^h ☾46	24 ^h 46	26 ^h 25	18 ^h 59	1 ^h 45	7 ^h 49	28 ^h 58	29 ^h 2	4 ^h 22	12 ^h 27	11 ^h 1	22 ^h 40	14 ^h 56	T 8
F 9	19 6 15	16 ^h 18'18	20 ^h 11	25 ^h 37	27 ^h 33	19 ^h 24	1 ^h 57	7 ^h 46	28 ^h 57	29 ^h 5	4 ^h 21	12 ^h 23	10 ^h 58	22 ^h 46	14 ^h 55	F 9
S 10	19 10 12	17 ^h 15'30	2 ^h ≈50	26 ^h 33	28 ^h 41	19 ^h 47	2 ^h 9	7 ^h 43	28 ^h 55	29 ^h 7	4 ^h 20	12 ^h 18	10 ^h 54	22 ^h 53	14 ^h 55	S 10
S 11	19 14 8	18 ^h 12'41	15 ^h 43	27 ^h 35	29 ^h 48	20 ^h 11	2 ^h 21	7 ^h 40	28 ^h 54	29 ^h 9	4 ^h 19	12 ^h 12	10 ^h 51	22 ^h 59	14 ^h 54	S 11
M12	19 18 5	19 ^h 9'54	28 ^h 49	28 ^h 40	0 ^h ♐56	20 ^h 34	2 ^h 33	7 ^h 38	28 ^h 52	29 ^h 11	4 ^h 18	12 ^h 6	10 ^h 48	23 ^h 6	14 ^h 54	M12
T 13	19 22 1	20 ^h 7'07	12 ^h ♋ 8	29 ^h 51	2 ^h 4	20 ^h 56	2 ^h 44	7 ^h 35	28 ^h 50	29 ^h 13	4 ^h 17	12 ^h 1	10 ^h 45	23 ^h 13	14 ^h 54	T 13
W14	19 25 58	21 ^h 4'20	25 ^h 41	1 ^h ☾ 6	3 ^h 11	21 ^h 18	2 ^h 56	7 ^h 32	28 ^h 49	29 ^h 16	4 ^h 16	11 ^h 57	10 ^h 42	23 ^h 19	14 ^h 53	W14
T 15	19 29 54	22 ^h 1'34	9 ^h Υ25	2 ^h 25	4 ^h 18	21 ^h 40	3 ^h 7	7 ^h 30	28 ^h 47	29 ^h 18	4 ^h 15	11 ^h 55	10 ^h 39	23 ^h 26	14 ^h D53	T 15
F 16	19 33 51	22 ^h 58'49	23 ^h 22	3 ^h 49	5 ^h 25	22 ^h 1	3 ^h 19	7 ^h 27	28 ^h 45	29 ^h 20	4 ^h 14	11 ^h D54	10 ^h 35	23 ^h 33	14 ^h 53	F 16
S 17	19 37 47	23 ^h 56'05	7 ^h ♋30	5 ^h 17	6 ^h 32	22 ^h 21	3 ^h 30	7 ^h 25	28 ^h 43	29 ^h 22	4 ^h 13	11 ^h 55	10 ^h 32	23 ^h 39	14 ^h 53	S 17
S 18	19 41 44	24 ^h 53'21	21 ^h 47	6 ^h 49	7 ^h 39	22 ^h 41	3 ^h 41	7 ^h 23	28 ^h 41	29 ^h 24	4 ^h 12	11 ^h 56	10 ^h 29	23 ^h 46	14 ^h 54	S 18
M19	19 45 41	25 ^h 50'39	6 ^h II 12	8 ^h 25	8 ^h 46	23 ^h 0	3 ^h 53	7 ^h 20	28 ^h 40	29 ^h 27	4 ^h 11	11 ^h R57	10 ^h 26	23 ^h 53	14 ^h 54	M19
T 20	19 49 37	26 ^h 47'57	20 ^h 41	10 ^h 6	9 ^h 53	23 ^h 19	4 ^h 4	7 ^h 18	28 ^h 38	29 ^h 29	4 ^h 10	11 ^h 57	10 ^h 23	23 ^h 59	14 ^h 54	T 20
W21	19 53 34	27 ^h 45'16	5 ^h ☾11	11 ^h 49	10 ^h 59	23 ^h 37	4 ^h 15	7 ^h 16	28 ^h 36	29 ^h 31	4 ^h 9	11 ^h 55	10 ^h 20	24 ^h 6	14 ^h 55	W21
T 22	19 57 30	28 ^h 42'36	19 ^h 35	13 ^h 37	12 ^h 5	23 ^h 55	4 ^h 26	7 ^h 14	28 ^h 34	29 ^h 33	4 ^h 9	11 ^h 50	10 ^h 16	24 ^h 13	14 ^h 56	T 22
F 23	20 1 27	29 ^h 39'57	3 ^h Ω48	15 ^h 27	13 ^h 11	24 ^h 11	4 ^h 36	7 ^h 12	28 ^h 32	29 ^h 36	4 ^h 8	11 ^h 44	10 ^h 13	24 ^h 19	14 ^h 56	F 23
S 24	20 5 23	0 ^h Ω37'18	17 ^h 45	17 ^h 20	14 ^h 17	24 ^h 28	4 ^h 47	7 ^h 11	28 ^h 30	29 ^h 38	4 ^h 7	11 ^h 37	10 ^h 10	24 ^h 26	14 ^h 57	S 24
S 25	20 9 20	1 ^h 34'39	1 ^h ♐22	19 ^h 16	15 ^h 23	24 ^h 43	4 ^h 58	7 ^h 9	28 ^h 28	29 ^h 40	4 ^h 7	11 ^h 29	10 ^h 7	24 ^h 33	14 ^h 58	S 25
M26	20 13 16	2 ^h 32'02	14 ^h 36	21 ^h 15	16 ^h 29	24 ^h 58	5 ^h 8	7 ^h 7	28 ^h 26	29 ^h 42	4 ^h 6	11 ^h 21	10 ^h 4	24 ^h 39	14 ^h 59	M26
T 27	20 17 13	3 ^h 29'25	27 ^h 28	23 ^h 15	17 ^h 34	25 ^h 12	5 ^h 19	7 ^h 6	28 ^h 24	29 ^h 45	4 ^h 5	11 ^h 14	10 ^h 0	24 ^h 46	15 ^h 0	T 27
W28	20 21 10	4 ^h 26'48	9 ^h ☾59	25 ^h 17	18 ^h 39	25 ^h 26	5 ^h 29	7 ^h 4	28 ^h 22	29 ^h 47	4 ^h 5	11 ^h 9	9 ^h 57	24 ^h 53	15 ^h 2	W28
T 29	20 25 6	5 ^h 24'12	22 ^h 12	27 ^h 20	19 ^h 44	25 ^h 39	5 ^h 39	7 ^h 3	28 ^h 19	29 ^h 49	4 ^h 4	11 ^h 6	9 ^h 54	24 ^h 59	15 ^h 3	T 29
F 30	20 29 3	6 ^h 21'37	4 ^h ♌12	29 ^h 24	20 ^h 49	25 ^h 51	5 ^h 49	7 ^h 2	28 ^h 17	29 ^h 51	4 ^h 4	11 ^h D 5	9 ^h 51	25 ^h 6	15 ^h 4	F 30
S 31	20 32 59	7 ^h Ω19'02	16 ^h ♌ 4	1 ^h Ω29	21 ^h ♐54	26 ^h ♋ 3	5 ^h II 59	7 ^h ♊ 1	28 ^h ≈15	29 ^h ☾53	4 ^h ♊ 3	11 ^h ♊ 5	9 ^h ♊48	25 ^h ♌13	15 ^h ♌ 6	S 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
T 1	23n11	9s41	4s28	18n57	4s14	17n 0	1n45	9s 9	3s55	19n27	0s48	19s57	1n47	12s31	0s46	20n 9	0s17	9s24	11n52	22s19	22s11	19s55	13s34	2n56
F 2	23 7	13 38	3 48	19 5	4 6	16 37	1 44	9 1	3 57	19 30	0 48	19 56	1 47	12 31	0 46	20 8	0 17	9 24	11 51	22 19	22 10	19 56	13 34	2 56
S 3	23 3	17 0	2 58	19 15	3 58	16 13	1 42	8 53	4 0	19 32	0 48	19 56	1 46	12 32	0 46	20 8	0 17	9 24	11 51	22 19	22 10	19 57	13 34	2 56
S 4	22 58	19 39	2 2	19 26	3 48	15 49	1 40	8 45	4 3	19 35	0 48	19 56	1 46	12 32	0 46	20 7	0 17	9 24	11 51	22 19	22 9	19 58	13 33	2 56
M 5	22 53	21 29	1 0	19 38	3 38	15 25	1 38	8 37	4 6	19 38	0 48	19 55	1 46	12 33	0 46	20 7	0 17	9 24	11 50	22 19	22 9	19 59	13 33	2 56
T 6	22 47	22 22	0n 5	19 51	3 27	15 0	1 36	8 30	4 8	19 40	0 48	19 55	1 46	12 33	0 46	20 7	0 17	9 25	11 50	22 19	22 8	20 0	13 33	2 56
W 7	22 41	22 13	1 11	20 4	3 16	14 35	1 34	8 22	4 11	19 42	0 48	19 55	1 46	12 34	0 46	20 6	0 17	9 25	11 50	22 19	22 8	20 1	13 32	2 56
T 8	22 35	21 1	2 14	20 18	3 4	14 10	1 32	8 15	4 14	19 45	0 48	19 54	1 45	12 34	0 46	20 6	0 17	9 25	11 49	22 19	22 7	20 2	13 32	2 56
F 9	22 28	18 48	3 11	20 32	2 52	13 44	1 29	8 8	4 16	19 47	0 48	19 54	1 45	12 35	0 46	20 5	0 17	9 25	11 49	22 19	22 7	20 3	13 32	2 56
S 10	22 21	15 39	4 1	20 47	2 39	13 18	1 27	8 1	4 19	19 50	0 48	19 54	1 45	12 35	0 46	20 5	0 17	9 25	11 48	22 18	22 7	20 4	13 32	2 56
S 11	22 14	11 43	4 38	21 1	2 26	12 52	1 24	7 54	4 22	19 52	0 48	19 54	1 45	12 36	0 46	20 4	0 17	9 25	11 48	22 17	22 6	20 4	13 32	2 56
M12	22 6	7 10	5 2	21 15	2 12	12 26	1 22	7 48	4 25	19 54	0 49	19 53	1 45	12 37	0 46	20 4	0 17	9 26	11 48	22 16	22 6	20 5	13 32	2 56
T 13	21 58	2 14	5 11	21 29	1 59	11 59	1 19	7 41	4 27	19 56	0 49	19 53	1 45	12 37	0 46	20 4	0 17	9 26	11 47	22 16	22 5	20 6	13 31	2 56
W14	21 49	2n54	5 2	21 43	1 45	11 32	1 16	7 35	4 30	19 59	0 49	19 53	1 44	12 38	0 47	20 3	0 17	9 26	11 47	22 15	22 5	20 7	13 31	2 56
T 15	21 40	7 58	4 36	21 56	1 31	11 4	1 13	7 29	4 33	20 1	0 49	19 53	1 44	12 38	0 47	20 3	0 17	9 26	11 47	22 15	22 4	20 8	13 31	2 56
F 16	21 31	12 42	3 53	22 7	1 18	10 37	1 10	7 23	4 36	20 3	0 49	19 52	1 44	12 39	0 47	20 2	0 17	9 26	11 46	22 15	22 4	20 9	13 31	2 56
S 17	21 21	16 48	2 56	22 18	1 4	10 9	1 7	7 18	4 38	20 5	0 49	19 52	1 44	12 40	0 47	20 2	0 17	9 27	11 46	22 15	22 3	20 10	13 32	2 56
S 18	21 11	19 58	1 47	22 27	0 50	9 41	1 3	7 12	4 41	20 7	0 49	19 52	1 44	12 40	0 47	20 1	0 17	9 27	11 45	22 15	22 3	20 11	13 32	2 56
M19	21 0	21 53	0 31	22 35	0 37	9 13	1 0	7 7	4 44	20 9	0 49	19 52	1 43	12 41	0 47	20 1	0 17	9 27	11 45	22 15	22 2	20 11	13 32	2 56
T 20	20 49	22 21	0s47	22 41	0 24	8 45	0 56	7 2	4 47	20 11	0 49	19 52	1 43	12 42	0 47	20 0	0 17	9 27	11 45	22 15	22 2	20 12	13 32	2 56
W21	20 38	21 20	2 2	22 46	0 11	8 16	0 53	6 58	4 49	20 13	0 49	19 52	1 43	12 42	0 47	20 0	0 17	9 28	11 44	22 15	22 2	20 13	13 32	2 56
T 22	20 27	18 55	3 9	22 48	0n 1	7 47	0 49	6 53	4 52	20 15	0 49	19 51	1 43	12 43	0 47	19 59	0 17	9 28	11 44	22 14	22 1	20 14	13 32	2 55
F 23	20 15	15 23	4 3	22 48	0 13	7 19	0 45	6 49	4 55	20 17	0 49	19 51	1 43	12 44	0 47	19 59	0 17	9 28	11 43	22 13	22 1	20 15	13 33	2 55
S 24	20 3	11 4	4 41	22 45	0 25	6 50	0 41	6 45	4 57	20 19	0 49	19 51	1 42	12 45	0 47	19 59	0 17	9 29	11 43	22 12	22 0	20 16	13 33	2 55
S 25	19 50	6 17	5 3	22 40	0 35	6 21	0 37	6 41	5 0	20 21	0 49	19 51	1 42	12 45	0 47	19 58	0 17	9 29	11 43	22 11	22 0	20 16	13 33	2 55
M26	19 37	1 21	5 7	22 32	0 45	5 51	0 33	6 38	5 3	20 23	0 49	19 51	1 42	12 46	0 47	19 58	0 17	9 29	11 42	22 10	21 59	20 17	13 33	2 55
T 27	19 24	3s30	4 55	22 22	0 55	5 22	0 29	6 34	5 5	20 25	0 49	19 51	1 42	12 47	0 47	19 57	0 17	9 29	11 42	22 9	21 59	20 18	13 34	2 55
W28	19 10	8 5	4 30	22 9	1 3	4 52	0 25	6 31	5 8	20 27	0 49	19 51	1 41	12 48	0 47	19 57	0 17	9 30	11 41	22 9	21 58	20 19	13 34	2 55
T 29	18 57	12 14	3 52	21 53	1 11	4 23	0 20	6 29	5 10	20 28	0 49	19 51	1 41	12 48	0 47	19 56	0 17	9 30	11 41	22 8	21 58	20 20	13 35	2 55
F 30	18 42	15 50	3 5	21 35	1 18	3 53	0 16	6 26	5 13	20 30	0 49	19 51	1 41	12 49	0 47	19 56	0 17	9 30	11 40	22 8	21 57	20 20	13 35	2 55
S 31	18n28	18s45	2s10	21n14	1n25	3n24	0n11	6s24	5s15	20n32	0s49	19s51	1n41	12s50	0s47	19n55	0s17	9s31	11n40	22s 8	21s57	20s21	13s36	2n55

ASTRODIENST EPHEMERIS for the year 1751

geocentric

AUGUST 1751

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 36 56	8♌16'28	27♍52	3♊34	22♎58	26♏13	6♏9	7°R 0	28°R13	29♎56	4°R 3	11♏6	9♏45	25♍19	15♍8	S 1
M 2	20 40 52	9°13'55	9♏43	5°39	24° 2	26°24	6°19	6♏59	28♏11	29°58	4♏2	11°R 7	9°41	25°26	15° 9	M 2
T 3	20 44 49	10°11'23	21°41	7°44	25° 6	26°33	6°29	6°58	28° 9	0♌0	4° 2	11° 6	9°38	25°32	15°11	T 3
W 4	20 48 45	11° 8'51	3♏51	9°48	26°10	26°41	6°38	6°57	28° 6	0° 2	4° 1	11° 4	9°35	25°39	15°13	W 4
T 5	20 52 42	12° 6'21	16°14	11°52	27°13	26°49	6°47	6°56	28° 4	0° 4	4° 1	10°59	9°32	25°46	15°15	T 5
F 6	20 56 39	13° 3'51	28°55	13°55	28°16	26°56	6°57	6°56	28° 2	0° 7	4° 1	10°52	9°29	25°52	15°17	F 6
S 7	21 0 35	14° 1'22	11♏53	15°57	29°19	27° 3	7° 6	6°55	27°59	0° 9	4° 0	10°43	9°26	25°59	15°20	S 7
S 8	21 4 32	14°58'55	25° 8	17°57	0♌22	27° 8	7°15	6°55	27°57	0°11	4° 0	10°32	9°22	26° 6	15°22	S 8
M 9	21 8 28	15°56'28	8♏39	19°57	1°25	27°13	7°24	6°55	27°55	0°13	4° 0	10°22	9°19	26°12	15°25	M 9
T 10	21 12 25	16°54'03	22°22	21°55	2°27	27°16	7°33	6°55	27°52	0°15	4° 0	10°12	9°16	26°19	15°27	T 10
W11	21 16 21	17°51'39	6♏14	23°52	3°29	27°20	7°41	6°D54	27°50	0°17	4° 0	10° 4	9°13	26°26	15°30	W11
T 12	21 20 18	18°49'17	20°14	25°48	4°30	27°22	7°50	6°54	27°48	0°20	3°59	9°59	9°10	26°32	15°33	T 12
F 13	21 24 14	19°46'56	4♏17	27°42	5°32	27°23	7°58	6°55	27°45	0°22	3°59	9°56	9° 6	26°39	15°35	F 13
S 14	21 28 11	20°44'37	18°24	29°35	6°33	27°R24	8° 7	6°55	27°43	0°24	3°59	9°D55	9° 3	26°46	15°38	S 14
S 15	21 32 8	21°42'20	2♏31	1♎27	7°33	27°23	8°15	6°55	27°41	0°26	3°D59	9°R55	9° 0	26°52	15°41	S 15
M16	21 36 4	22°40'04	16°40	3°17	8°34	27°22	8°23	6°55	27°38	0°28	3°59	9°55	8°57	26°59	15°45	M16
T 17	21 40 1	23°37'50	0♌47	5° 6	9°34	27°20	8°31	6°56	27°36	0°30	3°59	9°54	8°54	27° 6	15°48	T 17
W18	21 43 57	24°35'38	14°52	6°53	10°34	27°17	8°39	6°57	27°34	0°32	3°59	9°50	8°51	27°12	15°51	W18
T 19	21 47 54	25°33'27	28°51	8°39	11°33	27°14	8°46	6°57	27°31	0°34	4° 0	9°43	8°47	27°19	15°55	T 19
F 20	21 51 50	26°31'17	12♌41	10°23	12°32	27° 9	8°54	6°58	27°29	0°36	4° 0	9°34	8°44	27°25	15°58	F 20
S 21	21 55 47	27°29'10	26°19	12° 6	13°31	27° 4	9° 1	6°59	27°26	0°38	4° 0	9°23	8°41	27°32	16° 2	S 21
S 22	21 59 43	28°27'03	9♎41	13°48	14°29	26°58	9° 8	7° 0	27°24	0°40	4° 0	9°11	8°38	27°39	16° 5	S 22
M23	22 3 40	29°24'58	22°45	15°29	15°27	26°51	9°15	7° 1	27°22	0°42	4° 0	8°58	8°35	27°45	16° 9	M23
T 24	22 7 37	0♎22'55	5♌30	17° 8	16°25	26°43	9°22	7° 2	27°19	0°44	4° 1	8°48	8°31	27°52	16°13	T 24
W25	22 11 33	1°20'53	17°57	18°45	17°22	26°34	9°29	7° 3	27°17	0°46	4° 1	8°39	8°28	27°59	16°17	W25
T 26	22 15 30	2°18'52	0♍8	20°22	18°18	26°25	9°35	7° 5	27°14	0°48	4° 1	8°33	8°25	28° 5	16°21	T 26
F 27	22 19 26	3°16'53	12° 6	21°57	19°15	26°15	9°42	7° 6	27°12	0°50	4° 2	8°30	8°22	28°12	16°25	F 27
S 28	22 23 23	4°14'55	23°57	23°31	20°10	26° 4	9°48	7° 8	27°10	0°52	4° 2	8°28	8°19	28°19	16°29	S 28
S 29	22 27 19	5°12'59	5♏45	25° 4	21° 6	25°53	9°54	7° 9	27° 7	0°54	4° 2	8°28	8°16	28°25	16°34	S 29
M30	22 31 16	6°11'04	17°36	26°35	22° 0	25°41	10° 0	7°11	27° 5	0°56	4° 3	8°28	8°12	28°32	16°38	M30
T 31	22 35 12	7♎9'10	29♏36	28♎5	22♌54	25♏29	10♏6	7♏13	27°≈ 3	0♌58	4♏3	8♏27	8♏9	28♍39	16♍43	T 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	18n13	20s51	1s11	20n50	1n30	2n54	0n 7	6s22	5s18	20n33	0s49	19s51	1n41	12s51	0s47	19n55	0s17
M 2	17 58	22 4	0 7	20 25	1 35	2 24	0 2	6 20	5 20	20 35	0 49	19 51	1 40	12 51	0 47	19 54	0 17
T 3	17 43	22 16	0n56	19 57	1 38	1 54	0s 3	6 18	5 23	20 37	0 49	19 51	1 40	12 52	0 47	19 54	0 17
W 4	17 27	21 26	1 59	19 27	1 41	1 24	0 8	6 17	5 25	20 38	0 49	19 51	1 40	12 53	0 47	19 54	0 17
T 5	17 11	19 34	2 56	18 55	1 44	0 54	0 13	6 16	5 27	20 40	0 49	19 51	1 40	12 54	0 47	19 53	0 17
F 6	16 55	16 42	3 47	18 21	1 45	0 25	0 18	6 16	5 30	20 41	0 49	19 52	1 40	12 55	0 47	19 53	0 17
S 7	16 39	12 59	4 26	17 46	1 46	0s 5	0 23	6 15	5 32	20 43	0 49	19 52	1 39	12 55	0 47	19 52	0 17
S 8	16 22	8 34	4 52	17 9	1 46	0 35	0 29	6 15	5 34	20 44	0 49	19 52	1 39	12 56	0 47	19 52	0 17
M 9	16 5	3 39	5 3	16 31	1 45	1 5	0 34	6 15	5 36	20 46	0 49	19 52	1 39	12 57	0 47	19 51	0 17
T 10	15 47	1n30	4 56	15 52	1 44	1 35	0 40	6 15	5 38	20 47	0 49	19 52	1 39	12 58	0 47	19 51	0 17
W11	15 30	6 39	4 32	15 12	1 42	2 4	0 45	6 16	5 40	20 48	0 50	19 52	1 38	12 59	0 47	19 50	0 17
T 12	15 12	11 30	3 52	14 30	1 40	2 34	0 51	6 17	5 42	20 50	0 50	19 53	1 38	12 59	0 47	19 50	0 17
F 13	14 54	15 45	2 57	13 48	1 37	3 4	0 56	6 18	5 44	20 51	0 50	19 53	1 38	13 0	0 47	19 49	0 17
S 14	14 36	19 7	1 52	13 6	1 34	3 33	1 2	6 19	5 46	20 52	0 50	19 53	1 38	13 1	0 47	19 49	0 17
S 15	14 17	21 20	0 39	12 23	1 30	4 3	1 8	6 21	5 47	20 54	0 50	19 53	1 38	13 2	0 47	19 49	0 17
M16	13 59	22 13	0s36	11 39	1 26	4 32	1 14	6 23	5 49	20 55	0 50	19 54	1 37	13 3	0 47	19 48	0 17
T 17	13 40	21 40	1 48	10 55	1 21	5 1	1 20	6 25	5 50	20 56	0 50	19 54	1 37	13 4	0 47	19 48	0 17
W18	13 20	19 45	2 54	10 11	1 16	5 30	1 26	6 27	5 52	20 57	0 50	19 54	1 37	13 4	0 47	19 47	0 17
T 19	13 1	16 41	3 49	9 26	1 11	5 59	1 32	6 30	5 53	20 58	0 50	19 55	1 37	13 5	0 47	19 47	0 17
F 20	12 41	12 43	4 29	8 41	1 5	6 28	1 38	6 33	5 54	20 59	0 50	19 55	1 36	13 6	0 47	19 46	0 17
S 21	12 22	8 10	4 53	7 56	0 59	6 57	1 45	6 36	5 55	21 0	0 50	19 55	1 36	13 7	0 47	19 46	0 17
S 22	12 2	3 18	5 1	7 12	0 53	7 25	1 51	6 39	5 56	21 1	0 50	19 56	1 36	13 8	0 47	19 46	0 17
M23	11 41	1s36	4 53	6 27	0 46	7 54	1 57	6 43	5 57	21 2	0 50	19 56	1 36	13 9	0 47	19 45	0 17
T 24	11 21	6 18	4 29	5 42	0 40	8 22	2 4	6 46	5 58	21 3	0 50	19 57	1 36	13 9	0 47	19 45	0 17
W25	11 1	10 39	3 54	4 57	0 33	8 50	2 10	6 50	5 58	21 4	0 50	19 57	1 35	13 10	0 47	19 44	0 17
T 26	10 40	14 28	3 8	4 13	0 25	9 18	2 17	6 54	5 58	21 5	0 50	19 57	1 35	13 11	0 47	19 44	0 17
F 27	10 19	17 38	2 15	3 28	0 18	9 45	2 24	6 58	5 59	21 6	0 50	19 58	1 35	13 12	0 47	19 43	0 17
S 28	9 58	20 1	1 16	2 44	0 10	10 13	2 30	7 3	5 59	21 7	0 50	19 58	1 35	13 13	0 47	19 43	0 17
S 29	9 37	21 32	0 14	2 0	0 3	10 40	2 37	7 7	5 59	21 8	0 51	19 59	1 34	13 13	0 47	19 43	0 17
M30	9 15	22 5	0n48	1 17	0s 5	11 7	2 44	7 12	5 58	21 9	0 51	19 59	1 34	13 14	0 47	19 42	0 17
T 31	8n54	21s39	1n50	0n34	0s13	11s33	2s51	7s16	5s58	21n 9	0s51	20s 0	1n34	13s15	0s47	19n42	0s17

Julian Day Number = 2360811.5, Delta T = 16.46 sec
 Ecliptic obliquity = 23°28'14", Nutation = 0°00'17", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 21°16'20", Lahiri = 20°23'20"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1751
geocentric

SEPTEMBER 1751

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 39 9	8 ^h 7'18	11 ^h 3'48	29 ^h 3'34	23 ^h 3'48	25°R16	10 ^h 11'11	7 ^h 1'15	27°R 0	1 ^h 0' 0	4 ^h 1' 4	8°R24	8 ^h 1' 6	28 ^h 1'45	16 ^h 1'47	W 1
T 2	22 43 6	9° 5'27	24°19	1 ^h 1' 1	24°41	25 ^h 1' 2	10°17	7°17	26°58	1° 2	4° 5	8 ^h 1'18	8° 3	28°52	16°52	T 2
F 3	22 47 2	10° 3'38	7 ^h 1'20	2°27	25°34	24°48	10°22	7°19	26°56	1° 3	4° 5	8°10	8° 0	28°59	16°57	F 3
S 4	22 50 59	11° 1'50	20°23	3°52	26°25	24°33	10°27	7°21	26°53	1° 5	4° 6	8° 0	7°57	29° 5	17° 1	S 4
S 5	22 54 55	12° 0'04	3 ^h 1'58	5°16	27°17	24°18	10°32	7°24	26°51	1° 7	4° 6	7°48	7°53	29°12	17° 6	S 5
M 6	22 58 52	12°58'20	17°52	6°38	28° 7	24° 3	10°37	7°26	26°49	1° 9	4° 7	7°36	7°50	29°18	17°11	M 6
T 7	23 2 48	13°56'38	2 ^h 1' 1	7°58	28°57	23°47	10°41	7°28	26°47	1°11	4° 8	7°25	7°47	29°25	17°16	T 7
W 8	23 6 45	14°54'57	16°20	9°18	29°46	23°31	10°46	7°31	26°44	1°12	4° 9	7°16	7°44	29°32	17°21	W 8
T 9	23 10 41	15°53'19	0 ^h 3'42	10°35	0 ^h 1'34	23°14	10°50	7°34	26°42	1°14	4° 9	7° 9	7°41	29°38	17°27	T 9
F 10	23 14 38	16°51'42	15° 4	11°52	1°22	22°58	10°54	7°36	26°40	1°16	4°10	7° 6	7°37	29°45	17°32	F 10
S 11	23 18 34	17°50'08	29°20	13° 6	2° 9	22°41	10°58	7°39	26°38	1°17	4°11	7° 4	7°34	29°52	17°37	S 11
S 12	23 22 31	18°48'36	13 ^h 1'30	14°19	2°55	22°24	11° 2	7°42	26°35	1°19	4°12	7° 4	7°31	29°58	17°43	S 12
M13	23 26 28	19°47'07	27°33	15°30	3°40	22° 7	11° 5	7°45	26°33	1°21	4°13	7° 4	7°28	0 ^h 1' 5	17°48	M13
T 14	23 30 24	20°45'39	11 ^h 1'26	16°39	4°24	21°50	11° 9	7°48	26°31	1°22	4°14	7° 3	7°25	0°12	17°54	T 14
W15	23 34 21	21°44'14	25°11	17°47	5° 8	21°33	11°12	7°52	26°29	1°24	4°15	6°59	7°22	0°18	17°59	W15
T 16	23 38 17	22°42'51	8 ^h 1'47	18°52	5°50	21°16	11°15	7°55	26°27	1°25	4°16	6°53	7°18	0°25	18° 5	T 16
F 17	23 42 14	23°41'30	22°13	19°55	6°32	20°59	11°17	7°58	26°25	1°27	4°17	6°43	7°15	0°32	18°11	F 17
S 18	23 46 10	24°40'11	5 ^h 1'27	20°55	7°12	20°42	11°20	8° 2	26°23	1°28	4°18	6°32	7°12	0°38	18°16	S 18
S 19	23 50 7	25°38'54	18°28	21°53	7°51	20°25	11°22	8° 5	26°21	1°30	4°19	6°20	7° 9	0°45	18°22	S 19
M20	23 54 3	26°37'39	1 ^h 1'15	22°49	8°29	20° 9	11°24	8° 9	26°19	1°31	4°20	6° 8	7° 6	0°51	18°28	M20
T 21	23 58 0	27°36'26	13°47	23°41	9° 6	19°53	11°26	8°12	26°17	1°33	4°22	5°57	7° 2	0°58	18°34	T 21
W22	0 1 57	28°35'15	26° 5	24°30	9°42	19°38	11°28	8°16	26°15	1°34	4°23	5°48	6°59	1° 5	18°40	W22
T 23	0 5 53	29°34'05	8 ^h 1'11	25°16	10°17	19°22	11°30	8°20	26°13	1°35	4°24	5°42	6°56	1°11	18°46	T 23
F 24	0 9 50	0 ^h 3'58	20° 6	25°58	10°50	19° 8	11°31	8°24	26°11	1°37	4°25	5°39	6°53	1°18	18°53	F 24
S 25	0 13 46	1°31'53	1 ^h 1'55	26°35	11°22	18°53	11°32	8°28	26°10	1°38	4°27	5°D38	6°50	1°25	18°59	S 25
S 26	0 17 43	2°30'49	13°42	27° 9	11°52	18°40	11°33	8°32	26° 8	1°39	4°28	5°38	6°47	1°31	19° 5	S 26
M27	0 21 39	3°29'47	25°31	27°37	12°21	18°26	11°34	8°36	26° 6	1°41	4°29	5°38	6°43	1°38	19°12	M27
T 28	0 25 36	4°28'47	7 ^h 3'29	28° 1	12°48	18°14	11°35	8°40	26° 4	1°42	4°31	5°R39	6°40	1°45	19°18	T 28
W29	0 29 32	5°27'49	19°41	28°19	13°14	18° 2	11°35	8°45	26° 3	1°43	4°32	5°37	6°37	1°51	19°25	W29
T 30	0 33 29	6 ^h 2'53	2 ^h 1'12	28 ^h 1'30	13 ^h 1'38	17 ^h 1'50	11°R35	8 ^h 1'49	26 ^h 1' 1	1 ^h 1'44	4 ^h 1'33	5 ^h 1'34	6 ^h 1'34	1 ^h 1'58	19 ^h 1'31	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	8n32	20s11	2n47	0s 9	0s21	12s 0	2s57	7s21	5s57	21n10	0s51	20s 0	1n34	13s16	0s47	19n41	0s17	9s46	11n25	21s44	21s41	20s44	14s 6	2n54	
T 2	8 10	17 43	3 37	0 51	0 29	12 26	3 4	7 26	5 57	21 11	0 51	20 1	1 34	13 17	0 47	19 41	0 17	9 46	11 25	21 43	21 41	20 44	14 7	2 54	
F 3	7 48	14 20	4 18	1 33	0 37	12 52	3 11	7 31	5 56	21 12	0 51	20 2	1 33	13 17	0 47	19 41	0 17	9 47	11 24	21 42	21 40	20 45	14 8	2 54	
S 4	7 26	10 10	4 47	2 14	0 46	13 17	3 18	7 35	5 55	21 12	0 51	20 2	1 33	13 18	0 47	19 40	0 17	9 47	11 24	21 40	21 40	20 45	14 10	2 54	
S 5	7 4	5 24	5 0	2 55	0 54	13 42	3 25	7 40	5 54	21 13	0 51	20 3	1 33	13 19	0 47	19 40	0 17	9 48	11 23	21 38	21 39	20 46	14 11	2 54	
M 6	6 42	0 15	4 56	3 35	1 2	14 7	3 32	7 45	5 52	21 14	0 51	20 3	1 33	13 20	0 47	19 39	0 17	9 48	11 23	21 36	21 39	20 47	14 13	2 54	
T 7	6 19	4n59	4 34	4 15	1 11	14 32	3 39	7 50	5 51	21 14	0 51	20 4	1 33	13 20	0 47	19 39	0 17	9 49	11 22	21 35	21 38	20 47	14 14	2 54	
W 8	5 57	10 2	3 54	4 54	1 19	14 56	3 46	7 55	5 49	21 15	0 51	20 5	1 32	13 21	0 47	19 39	0 17	9 50	11 22	21 33	21 38	20 48	14 15	2 54	
T 9	5 34	14 32	3 0	5 32	1 27	15 19	3 53	8 0	5 47	21 15	0 51	20 5	1 32	13 22	0 47	19 38	0 17	9 50	11 21	21 32	21 37	20 48	14 17	2 54	
F 10	5 12	18 11	1 54	6 10	1 36	15 43	4 0	8 4	5 45	21 16	0 51	20 6	1 32	13 23	0 47	19 38	0 17	9 51	11 21	21 31	21 37	20 49	14 18	2 54	
S 11	4 49	20 42	0 41	6 47	1 44	16 6	4 7	8 9	5 43	21 16	0 51	20 6	1 32	13 23	0 47	19 38	0 17	9 51	11 20	21 31	21 36	20 49	14 20	2 54	
S 12	4 26	21 53	0s34	7 23	1 52	16 29	4 14	8 14	5 40	21 17	0 51	20 7	1 31	13 24	0 47	19 37	0 17	9 52	11 20	21 31	21 36	20 50	14 21	2 54	
M13	4 3	21 41	1 46	7 58	2 0	16 51	4 21	8 18	5 38	21 17	0 51	20 8	1 31	13 25	0 47	19 37	0 17	9 53	11 20	21 31	21 35	20 51	14 23	2 54	
T 14	3 40	20 8	2 51	8 32	2 8	17 13	4 28	8 22	5 35	21 17	0 52	20 9	1 31	13 26	0 47	19 37	0 17	9 53	11 19	21 31	21 35	20 51	14 24	2 54	
W15	3 17	17 25	3 46	9 5	2 16	17 34	4 35	8 26	5 32	21 18	0 52	20 9	1 31	13 26	0 47	19 36	0 17	9 54	11 19	21 30	21 34	20 52	14 26	2 54	
T 16	2 54	13 48	4 27	9 37	2 24	17 55	4 42	8 30	5 29	21 18	0 52	20 10	1 31	13 27	0 47	19 36	0 17	9 54	11 18	21 29	21 33	20 52	14 27	2 54	
F 17	2 30	9 31	4 52	10 8	2 31	18 15	4 49	8 34	5 26	21 19	0 52	20 11	1 30	13 28	0 47	19 36	0 17	9 55	11 18	21 28	21 33	20 53	14 29	2 54	
S 18	2 7	4 51	5 2	10 38	2 39	18 35	4 56	8 38	5 22	21 19	0 52	20 11	1 30	13 28	0 47	19 35	0 17	9 56	11 17	21 26	21 32	20 53	14 31	2 54	
S 19	1 44	0 2	4 55	11 6	2 46	18 55	5 3	8 41	5 19	21 19	0 52	20 12	1 30	13 29	0 47	19 35	0 17	9 56	11 17	21 24	21 32	20 54	14 32	2 54	
M20	1 21	4s41	4 34	11 33	2 53	19 14	5 10	8 44	5 15	21 19	0 52	20 13	1 30	13 30	0 47	19 35	0 17	9 57	11 16	21 22	21 31	20 54	14 34	2 54	
T 21	0 57	9 7	3 59	11 59	2 59	19 32	5 16	8 47	5 12	21 20	0 52	20 14	1 30	13 30	0 47	19 34	0 17	9 57	11 16	21 20	21 31	20 55	14 35	2 54	
W22	0 34	13 6	3 14	12 23	3 6	19 50	5 23	8 49	5 8	21 20	0 52	20 15	1 29	13 31	0 47	19 34	0 17	9 58	11 16	21 18	21 30	20 55	14 37	2 54	
T 23	0 10	16 28	2 21	12 45	3 11	20 8	5 30	8 52	5 4	21 20	0 52	20 15	1 29	13 32	0 47	19 34	0 17	9 59	11 15	21 17	21 30	20 56	14 39	2 54	
F 24	0s13	19 6	1 22	13 5	3 17	20 24	5 36	8 54	5 0	21 20	0 52	20 16	1 29	13 32	0 47	19 33	0 17	9 59	11 15	21 16	21 29	20 56	14 40	2 54	
S 25	0 37	20 54	0 20	13 24	3 22	20 41	5 42	8 56	4 55	21 20	0 52	20 17	1 29	13 33	0 47	19 33	0 17	10 0	11 14	21 16	21 29	20 57	14 42	2 54	
S 26	1 0	21 46	0n43	13 40	3 26	20 56	5 49	8 57	4 51	21 20	0 52	20 18	1 29	13 33	0 47	19 33	0 17	10 1	11 14	21 16	21 28	20 57	14 44	2 54	
M27	1 24	21 39	1 45	13 54	3 29	21 11	5 55	8 58	4 47	21 20	0 52	20 19	1 28	13 34	0 47	19 32	0 17	10 1	11 13	21 16	21 28	20 58	14 45	2 54	
T 28	1 47	20 34	2 42	14 5	3 32	21 25	6 1	8 59	4 42	21 20	0 52	20 19	1 28	13 35	0 47	19 32	0 17	10 2	11 13	21 16	21 27	20 58	14 47	2 54	
W29	2 10	18 30	3 33	14 13	3 34	21 39	6 7	9 0	4 38	21 20	0 52	20 20	1 28	13 35	0 47	19 32	0 17	10 3	11 13	21 16	21 27	20 59	14 49	2 54	
T 30	2s34	15s32	4n16	14s19	3s36	21s52	6s12	9s 0	4s33	21m20	0s52	20s21	1n28	13s36	0s47	19n32	0s17	10s 3	11n12	21s16	21s26	20s59	14s50	2n54	

ASTRODIENST EPHEMERIS for the year 1751

geocentric

OCTOBER 1751

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 37 26	7 ^h 25'58	15 ^h 5 5	28 ^h R36	14 ^h M 0	17 ^h R40	11 ^h R35	8 ^h ♂54	25 ^h R59	1 ^h ♂45	4 ^h ♂35	5 ^h R29	6 ^h ♂31	2 ^h ♂ 5	19 ^h M38	F 1
S 2	0 41 22	8 ^h 25'05	28 ^h 24	28 ^h ♂34	14 ^h 21	17 ^h ♂30	11 ^h ♂35	8 ^h 58	25 ^h ♂58	1 ^h 47	4 ^h 36	5 ^h ♂21	6 ^h 28	2 ^h 11	19 ^h 44	S 2
S 3	0 45 19	9 ^h 24'14	12 ^h ♂10	28 ^h 25	14 ^h 40	17 ^h 20	11 ^h 35	9 ^h 3	25 ^h 56	1 ^h 48	4 ^h 38	5 ^h 13	6 ^h 24	2 ^h 18	19 ^h 51	S 3
M 4	0 49 15	10 ^h 23'24	26 ^h 20	28 ^h 8	14 ^h 56	17 ^h 12	11 ^h 34	9 ^h 7	25 ^h 55	1 ^h 49	4 ^h 39	5 ^h 4	6 ^h 21	2 ^h 25	19 ^h 58	M 4
T 5	0 53 12	11 ^h 22'37	10 ^h ♂49	27 ^h 44	15 ^h 11	17 ^h 4	11 ^h 33	9 ^h 12	25 ^h 53	1 ^h 50	4 ^h 41	4 ^h 55	6 ^h 18	2 ^h 31	20 ^h 5	T 5
W 6	0 57 8	12 ^h 21'52	25 ^h 31	27 ^h 11	15 ^h 24	16 ^h 57	11 ^h 32	9 ^h 17	25 ^h 52	1 ^h 51	4 ^h 43	4 ^h 48	6 ^h 15	2 ^h 38	20 ^h 11	W 6
T 7	1 1 5	13 ^h 21'09	10 ^h ♂19	26 ^h 30	15 ^h 34	16 ^h 50	11 ^h 31	9 ^h 22	25 ^h 50	1 ^h 52	4 ^h 44	4 ^h 44	6 ^h 12	2 ^h 44	20 ^h 18	T 7
F 8	1 5 1	14 ^h 20'28	25 ^h 5	25 ^h 41	15 ^h 43	16 ^h 45	11 ^h 30	9 ^h 27	25 ^h 49	1 ^h 53	4 ^h 46	4 ^h 41	6 ^h 8	2 ^h 51	20 ^h 25	F 8
S 9	1 8 58	15 ^h 19'50	9 ^h ♂42	24 ^h 45	15 ^h 49	16 ^h 40	11 ^h 28	9 ^h 32	25 ^h 48	1 ^h 54	4 ^h 48	4 ^h D41	6 ^h 5	2 ^h 58	20 ^h 32	S 9
S 10	1 12 54	16 ^h 19'13	24 ^h 6	23 ^h 43	15 ^h 53	16 ^h 36	11 ^h 26	9 ^h 37	25 ^h 47	1 ^h 54	4 ^h 49	4 ^h 42	6 ^h 2	3 ^h 4	20 ^h 39	S 10
M 11	1 16 51	17 ^h 18'40	8 ^h ♂15	22 ^h 35	15 ^h R55	16 ^h 33	11 ^h 24	9 ^h 42	25 ^h 45	1 ^h 55	4 ^h 51	4 ^h 43	5 ^h 59	3 ^h 11	20 ^h 46	M 11
T 12	1 20 48	18 ^h 18'08	22 ^h 7	21 ^h 24	15 ^h 54	16 ^h 30	11 ^h 22	9 ^h 47	25 ^h 44	1 ^h 56	4 ^h 53	4 ^h R43	5 ^h 56	3 ^h 18	20 ^h 53	T 12
W 13	1 24 44	19 ^h 17'39	5 ^h ♂43	20 ^h 11	15 ^h 51	16 ^h 29	11 ^h 20	9 ^h 53	25 ^h 43	1 ^h 57	4 ^h 55	4 ^h 42	5 ^h 53	3 ^h 24	21 ^h 1	W 13
T 14	1 28 41	20 ^h 17'12	19 ^h 4	18 ^h 58	15 ^h 46	16 ^h 28	11 ^h 17	9 ^h 58	25 ^h 42	1 ^h 58	4 ^h 56	4 ^h 39	5 ^h 49	3 ^h 31	21 ^h 8	T 14
F 15	1 32 37	21 ^h 16'48	2 ^h ♂10	17 ^h 47	15 ^h 38	16 ^h D28	11 ^h 14	10 ^h 3	25 ^h 41	1 ^h 58	4 ^h 58	4 ^h 33	5 ^h 46	3 ^h 38	21 ^h 15	F 15
S 16	1 36 34	22 ^h 16'25	15 ^h 3	16 ^h 40	15 ^h 28	16 ^h 28	11 ^h 11	10 ^h 9	25 ^h 40	1 ^h 59	5 ^h 0	4 ^h 27	5 ^h 43	3 ^h 44	21 ^h 22	S 16
S 17	1 40 30	23 ^h 16'05	27 ^h 43	15 ^h 40	15 ^h 15	16 ^h 30	11 ^h 8	10 ^h 14	25 ^h 39	2 ^h 0	5 ^h 2	4 ^h 19	5 ^h 40	3 ^h 51	21 ^h 29	S 17
M 18	1 44 27	24 ^h 15'47	10 ^h ♂12	14 ^h 48	15 ^h 0	16 ^h 32	11 ^h 5	10 ^h 20	25 ^h 38	2 ^h 0	5 ^h 4	4 ^h 12	5 ^h 37	3 ^h 58	21 ^h 37	M 18
T 19	1 48 23	25 ^h 15'31	22 ^h 29	14 ^h 5	14 ^h 43	16 ^h 35	11 ^h 1	10 ^h 25	25 ^h 37	2 ^h 1	5 ^h 6	4 ^h 5	5 ^h 34	4 ^h 4	21 ^h 44	T 19
W 20	1 52 20	26 ^h 15'17	4 ^h ♂35	13 ^h 33	14 ^h 24	16 ^h 39	10 ^h 57	10 ^h 31	25 ^h 36	2 ^h 1	5 ^h 7	4 ^h 0	5 ^h 30	4 ^h 11	21 ^h 52	W 20
T 21	1 56 17	27 ^h 15'05	16 ^h 33	13 ^h 12	14 ^h 2	16 ^h 44	10 ^h 53	10 ^h 37	25 ^h 36	2 ^h 2	5 ^h 9	3 ^h 56	5 ^h 27	4 ^h 17	21 ^h 59	T 21
F 22	2 0 13	28 ^h 14'55	28 ^h 24	13 ^h D 3	13 ^h 38	16 ^h 49	10 ^h 49	10 ^h 43	25 ^h 35	2 ^h 2	5 ^h 11	3 ^h D55	5 ^h 24	4 ^h 24	22 ^h 6	F 22
S 23	2 4 10	29 ^h 14'47	10 ^h ♂11	13 ^h 5	13 ^h 12	16 ^h 55	10 ^h 45	10 ^h 49	25 ^h 34	2 ^h 3	5 ^h 13	3 ^h 55	5 ^h 21	4 ^h 31	22 ^h 14	S 23
S 24	2 8 6	0 ^h M 14'41	21 ^h 57	13 ^h 17	12 ^h 44	17 ^h 2	10 ^h 40	10 ^h 54	25 ^h 34	2 ^h 3	5 ^h 15	3 ^h 56	5 ^h 18	4 ^h 37	22 ^h 21	S 24
M 25	2 12 3	1 ^h 14'36	3 ^h ♂46	13 ^h 40	12 ^h 14	17 ^h 10	10 ^h 36	11 ^h 0	25 ^h 33	2 ^h 4	5 ^h 17	3 ^h 58	5 ^h 14	4 ^h 44	22 ^h 29	M 25
T 26	2 15 59	2 ^h 14'33	15 ^h 43	14 ^h 13	11 ^h 43	17 ^h 18	10 ^h 31	11 ^h 6	25 ^h 33	2 ^h 4	5 ^h 19	3 ^h 59	5 ^h 11	4 ^h 51	22 ^h 37	T 26
W 27	2 19 56	3 ^h 14'32	27 ^h 52	14 ^h 55	11 ^h 11	17 ^h 27	10 ^h 26	11 ^h 12	25 ^h 32	2 ^h 4	5 ^h 21	4 ^h R 0	5 ^h 8	4 ^h 57	22 ^h 44	W 27
T 28	2 23 52	4 ^h 14'32	10 ^h ♂19	15 ^h 44	10 ^h 37	17 ^h 37	10 ^h 21	11 ^h 19	25 ^h 32	2 ^h 5	5 ^h 23	4 ^h 0	5 ^h 5	5 ^h 4	22 ^h 52	T 28
F 29	2 27 49	5 ^h 14'34	23 ^h 8	16 ^h 41	10 ^h 2	17 ^h 48	10 ^h 15	11 ^h 25	25 ^h 31	2 ^h 5	5 ^h 26	3 ^h 59	5 ^h 2	5 ^h 11	22 ^h 59	F 29
S 30	2 31 46	6 ^h 14'37	6 ^h ♂23	17 ^h 43	9 ^h 26	17 ^h 59	10 ^h 10	11 ^h 31	25 ^h 31	2 ^h 5	5 ^h 28	3 ^h 56	4 ^h 59	5 ^h 17	23 ^h 7	S 30
S 31	2 35 42	7 ^h M 14'42	20 ^h ♂ 6	18 ^h ♂52	8 ^h M 50	18 ^h ♂11	10 ^h ♂ 4	11 ^h ♂37	25 ^h ♂31	2 ^h ♂ 5	5 ^h ♂30	3 ^h ♂53	4 ^h ♂55	5 ^h ♂24	23 ^h M 15	S 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
F 1	2s57	11s45	4n47	14s21	3s36	22s 4	6s18	9s 0	4s29	21n20	0s53	20s22	1n28	13s36	0s47	19n31	0s17	10s 4	11n12	21s15	21s25	21s 0	14s52	2n54
S 2	3 21	7 17	5 4	14 19	3 35	22 15	6 23	9 0	4 24	21 20	0 53	20 23	1 28	13 37	0 47	19 31	0 17	10 4	11 11	21 13	21 25	21 0	14 54	2 54
S 3	3 44	2 20	5 4	14 14	3 32	22 26	6 28	8 59	4 19	21 20	0 53	20 24	1 27	13 37	0 47	19 31	0 17	10 5	11 11	21 12	21 24	21 1	14 56	2 54
M 4	4 7	2n54	4 45	14 4	3 29	22 35	6 33	8 58	4 14	21 20	0 53	20 25	1 27	13 38	0 46	19 31	0 17	10 6	11 11	21 10	21 24	21 1	14 57	2 54
T 5	4 30	8 6	4 9	13 50	3 23	22 44	6 38	8 57	4 10	21 20	0 53	20 26	1 27	13 38	0 46	19 30	0 17	10 6	11 10	21 9	21 23	21 2	14 59	2 54
W 6	4 54	12 54	3 15	13 32	3 17	22 52	6 42	8 55	4 5	21 20	0 53	20 26	1 27	13 39	0 46	19 30	0 17	10 7	11 10	21 7	21 23	21 2	15 1	2 54
T 7	5 17	16 57	2 7	13 9	3 8	22 59	6 46	8 53	4 0	21 19	0 53	20 27	1 27	13 39	0 46	19 30	0 17	10 8	11 10	21 7	21 22	21 2	15 3	2 54
F 8	5 40	19 54	0 52	12 42	2 57	23 5	6 49	8 51	3 55	21 19	0 53	20 28	1 27	13 39	0 46	19 30	0 17	10 8	11 9	21 6	21 22	21 3	15 4	2 55
S 9	6 3	21 29	0s27	12 9	2 45	23 10	6 53	8 48	3 50	21 19	0 53	20 29	1 26	13 40	0 46	19 30	0 17	10 9	11 9	21 6	21 21	21 3	15 6	2 55
S 10	6 26	21 37	1 43	11 33	2 31	23 14	6 55	8 45	3 46	21 19	0 53	20 30	1 26	13 40	0 46	19 29	0 17	10 10	11 8	21 6	21 21	21 4	15 8	2 55
M11	6 48	20 22	2 51	10 53	2 15	23 17	6 58	8 42	3 41	21 18	0 53	20 31	1 26	13 41	0 46	19 29	0 17	10 10	11 8	21 7	21 20	21 4	15 10	2 55
T 12	7 11	17 54	3 48	10 10	1 57	23 18	7 0	8 39	3 36	21 18	0 53	20 32	1 26	13 41	0 46	19 29	0 17	10 11	11 8	21 7	21 19	21 4	15 11	2 55
W13	7 34	14 29	4 31	9 25	1 39	23 19	7 1	8 35	3 31	21 17	0 53	20 33	1 26	13 41	0 46	19 29	0 17	10 12	11 7	21 6	21 19	21 5	15 13	2 55
T 14	7 56	10 24	4 58	8 39	1 19	23 18	7 2	8 31	3 26	21 17	0 53	20 34	1 26	13 42	0 46	19 29	0 17	10 12	11 7	21 6	21 18	21 5	15 15	2 55
F 15	8 19	5 54	5 9	7 53	0 58	23 16	7 3	8 27	3 22	21 17	0 53	20 35	1 25	13 42	0 46	19 29	0 17	10 13	11 7	21 5	21 18	21 6	15 17	2 55
S 16	8 41	1 13	5 4	7 8	0 38	23 13	7 3	8 22	3 17	21 16	0 53	20 36	1 25	13 42	0 46	19 28	0 17	10 13	11 6	21 3	21 17	21 6	15 18	2 55
S 17	9 3	3s26	4 44	6 26	0 17	23 9	7 2	8 17	3 12	21 16	0 53	20 37	1 25	13 43	0 46	19 28	0 17	10 14	11 6	21 2	21 17	21 6	15 20	2 55
M18	9 25	7 53	4 11	5 48	0n 3	23 3	7 0	8 12	3 8	21 15	0 53	20 38	1 25	13 43	0 46	19 28	0 17	10 15	11 6	21 1	21 16	21 7	15 22	2 55
T 19	9 47	11 57	3 26	5 14	0 22	22 55	6 58	8 7	3 3	21 15	0 53	20 39	1 25	13 43	0 46	19 28	0 17	10 15	11 5	20 59	21 16	21 7	15 24	2 56
W20	10 9	15 28	2 33	4 45	0 40	22 47	6 56	8 1	2 58	21 14	0 53	20 39	1 25	13 43	0 46	19 28	0 17	10 16	11 5	20 58	21 15	21 8	15 26	2 56
T 21	10 30	18 18	1 33	4 22	0 56	22 37	6 52	7 55	2 54	21 14	0 53	20 40	1 24	13 44	0 46	19 28	0 17	10 17	11 5	20 58	21 14	21 8	15 27	2 56
F 22	10 52	20 19	0 30	4 4	1 11	22 25	6 48	7 49	2 49	21 13	0 53	20 41	1 24	13 44	0 46	19 28	0 17	10 17	11 4	20 58	21 14	21 8	15 29	2 56
S 23	11 13	21 26	0n34	3 53	1 24	22 12	6 43	7 42	2 45	21 12	0 53	20 42	1 24	13 44	0 46	19 28	0 17	10 18	11 4	20 58	21 13	21 9	15 31	2 56
S 24	11 34	21 36	1 37	3 48	1 35	21 58	6 37	7 35	2 40	21 12	0 53	20 43	1 24	13 44	0 46	19 27	0 17	10 18	11 4	20 58	21 13	21 9	15 33	2 56
M25	11 55	20 49	2 36	3 48	1 45	21 43	6 30	7 28	2 36	21 11	0 53	20 44	1 24	13 44	0 46	19 27	0 17	10 19	11 4	20 58	21 12	21 9	15 34	2 56
T 26	12 16	19 4	3 30	3 53	1 53	21 26	6 23	7 21	2 32	21 10	0 53	20 45	1 24	13 45	0 46	19 27	0 17	10 20	11 3	20 58	21 12	21 10	15 36	2 56
W27	12 37	16 28	4 14	4 3	1 59	21 8	6 15	7 14	2 28	21 10	0 53	20 46	1 24	13 45	0 46	19 27	0 17	10 20	11 3	20 59	21 11	21 10	15 38	2 57
T 28	12 57	13 3	4 48	4 17	2 4	20 48	6 6	7 6	2 23	21 9	0 53	20 47	1 23	13 45	0 46	19 27	0 17	10 21	11 3	20 59	21 10	21 10	15 40	2 57
F 29	13 17	8 57	5 9	4 36	2 8	20 28	5 56	6 58	2 19	21 8	0 53	20 48	1 23	13 45	0 46	19 27	0 17	10 22	11 2	20 58	21 10	21 11	15 41	2 57
S 30	13 37	4 19	5 14	4 58	2 10	20 6	5 46	6 50	2 15	21 7	0 53	20 49	1 23	13 45	0 46	19 27	0 17	10 22	11 2	20 58	21 9	21 11	15 43	2 57
S 31	13s57	0n42	5n 2	5s22	2n11	19s44	5s35	6s42	2s11	21n 7	0s53	20s50	1n23	13s45	0s46	19n27	0s17	10s23	11n 2	20s57	21s 9	21s11	15s45	2n57

ASTRODIENST EPHEMERIS for the year 1751

geocentric

NOVEMBER 1751

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Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 39 39	8♉14'49	4♊17	20♊ 5	8♉13	18♊23	9♉58	11♊43	25°R30	2♊ 5	5♊32	3°R49	4♊52	5♊31	23♉22	M 1
T 2	2 43 35	9°14'57	18°52	21°22	7♉36	18°36	9♉52	11°50	25°R30	2° 5	5°34	3♊45	4°49	5°37	23°30	T 2
W 3	2 47 32	10°15'07	3♊47	22°43	7° 0	18°50	9°46	11°56	25°30	2° 6	5°36	3°43	4°46	5°44	23°38	W 3
T 4	2 51 28	11°15'19	18°53	24° 6	6°24	19° 4	9°40	12° 2	25°30	2° 6	5°38	3°41	4°43	5°50	23°46	T 4
F 5	2 55 25	12°15'33	4♊ 0	25°32	5°49	19°19	9°33	12° 9	25°D30	2°R 6	5°41	3°D40	4°39	5°57	23°53	F 5
S 6	2 59 21	13°15'49	19° 0	27° 0	5°15	19°35	9°27	12°15	25°30	2° 6	5°43	3°41	4°36	6° 4	24° 1	S 6
S 7	3 3 18	14°16'07	3♊45	28°29	4°41	19°51	9°20	12°22	25°30	2° 6	5°45	3°42	4°33	6°10	24° 9	S 7
M 8	3 7 15	15°16'26	18°11	0♉ 0	4°10	20° 8	9°13	12°28	25°30	2° 5	5°47	3°43	4°30	6°17	24°17	M 8
T 9	3 11 11	16°16'48	2♊13	1°33	3°40	20°25	9° 6	12°35	25°30	2° 5	5°49	3°44	4°27	6°24	24°25	T 9
W10	3 15 8	17°17'11	15°52	3° 5	3°11	20°42	8°59	12°42	25°31	2° 5	5°52	3°R45	4°24	6°30	24°32	W10
T11	3 19 4	18°17'37	29° 9	4°39	2°45	21° 1	8°52	12°48	25°31	2° 5	5°54	3°45	4°20	6°37	24°40	T11
F12	3 23 1	19°18'04	12♊ 6	6°13	2°20	21°19	8°45	12°55	25°31	2° 5	5°56	3°44	4°17	6°44	24°48	F12
S13	3 26 57	20°18'33	24°46	7°48	1°58	21°39	8°37	13° 2	25°32	2° 4	5°58	3°42	4°14	6°50	24°56	S13
S14	3 30 54	21°19'04	7♊11	9°23	1°38	21°58	8°30	13° 8	25°32	2° 4	6° 1	3°40	4°11	6°57	25° 4	S14
M15	3 34 50	22°19'37	19°24	10°58	1°21	22°19	8°22	13°15	25°33	2° 4	6° 3	3°38	4° 8	7° 4	25°12	M15
T16	3 38 47	23°20'11	1♉27	12°33	1° 6	22°39	8°15	13°22	25°33	2° 3	6° 5	3°37	4° 5	7°10	25°19	T16
W17	3 42 44	24°20'47	13°23	14° 8	0°53	23° 1	8° 7	13°29	25°34	2° 3	6° 8	3°36	4° 1	7°17	25°27	W17
T18	3 46 40	25°21'25	25°14	15°44	0°42	23°22	7°59	13°36	25°34	2° 3	6°10	3°35	3°58	7°24	25°35	T18
F19	3 50 37	26°22'04	7♊ 2	17°19	0°35	23°44	7°51	13°42	25°35	2° 2	6°12	3°D35	3°55	7°30	25°43	F19
S20	3 54 33	27°22'45	18°49	18°54	0°29	24° 7	7°44	13°49	25°36	2° 2	6°14	3°35	3°52	7°37	25°51	S20
S21	3 58 30	28°23'27	0♉37	20°29	0°26	24°30	7°36	13°56	25°37	2° 1	6°17	3°36	3°49	7°43	25°59	S21
M22	4 2 26	29°24'10	12°29	22° 4	0°D26	24°53	7°27	14° 3	25°37	2° 1	6°19	3°36	3°45	7°50	26° 7	M22
T23	4 6 23	0♉24'54	24°29	23°39	0°28	25°17	7°19	14°10	25°38	2° 0	6°21	3°37	3°42	7°57	26°14	T23
W24	4 10 19	1°25'39	6♊40	25°14	0°32	25°41	7°11	14°17	25°39	1°59	6°24	3°37	3°39	8° 3	26°22	W24
T25	4 14 16	2°26'26	19° 5	26°49	0°39	26° 5	7° 3	14°24	25°40	1°59	6°26	3°37	3°36	8°10	26°30	T25
F26	4 18 13	3°27'13	1♊49	28°24	0°48	26°30	6°55	14°31	25°41	1°58	6°28	3°37	3°33	8°17	26°38	F26
S27	4 22 9	4°28'02	14°56	29°58	0°59	26°55	6°47	14°38	25°42	1°57	6°31	3°37	3°30	8°23	26°46	S27
S28	4 26 6	5°28'51	28°28	1♊33	1°12	27°21	6°39	14°45	25°43	1°56	6°33	3°37	3°26	8°30	26°53	S28
M29	4 30 2	6°29'41	12♊27	3° 7	1°28	27°47	6°30	14°52	25°45	1°56	6°35	3°38	3°23	8°37	27° 1	M29
T30	4 33 59	7♊30'32	26°Y52	4♊41	1♉45	28♊13	6♉22	14♊59	25°46	1♉55	6♊38	3♊38	3♊20	8♊43	27♉ 9	T30

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	14s16	5n51	4n31	5s50	2n11	19s21	5s23	6s33	2s 7	21n 6	0s53	20s51	1n23	13s45	0s46	19n27	0s17	10s23	11n 2	20s56	21s 8	21s12	15s47	2n57	
T 2	14 36	10 50	3 42	6 19	2 11	18 57	5 10	6 24	2 3	21 5	0 53	20 52	1 23	13 45	0 46	19 27	0 17	10 24	11 1	20 56	21 8	21 12	15 48	2 57	
W 3	14 55	15 16	2 38	6 51	2 9	18 33	4 57	6 15	1 59	21 4	0 53	20 53	1 23	13 45	0 46	19 27	0 17	10 25	11 1	20 55	21 7	21 12	15 50	2 58	
T 4	15 14	18 45	1 21	7 24	2 7	18 8	4 44	6 6	1 56	21 3	0 53	20 54	1 23	13 45	0 45	19 27	0 17	10 25	11 1	20 55	21 6	21 13	15 52	2 58	
F 5	15 32	20 57	0s 2	7 58	2 4	17 43	4 30	5 57	1 52	21 2	0 53	20 55	1 22	13 45	0 45	19 27	0 17	10 26	11 1	20 55	21 6	21 13	15 54	2 58	
S 6	15 50	21 37	1 24	8 33	2 0	17 18	4 15	5 47	1 48	21 1	0 53	20 56	1 22	13 45	0 45	19 27	0 17	10 26	11 1	20 55	21 5	21 13	15 55	2 58	
S 7	16 8	20 46	2 39	9 9	1 56	16 52	4 1	5 38	1 45	21 0	0 53	20 57	1 22	13 45	0 45	19 27	0 17	10 27	11 0	20 55	21 5	21 13	15 57	2 58	
M 8	16 26	18 34	3 42	9 45	1 51	16 28	3 46	5 28	1 41	20 59	0 53	20 58	1 22	13 45	0 45	19 27	0 17	10 27	11 0	20 55	21 4	21 14	15 59	2 58	
T 9	16 44	15 18	4 30	10 22	1 46	16 3	3 30	5 18	1 38	20 58	0 53	20 59	1 22	13 45	0 45	19 27	0 17	10 28	11 0	20 56	21 3	21 14	16 1	2 59	
W10	17 1	11 18	5 2	10 59	1 41	15 39	3 15	5 8	1 34	20 57	0 53	21 0	1 22	13 45	0 45	19 27	0 17	10 29	11 0	20 56	21 3	21 14	16 2	2 59	
T11	17 18	6 51	5 16	11 36	1 35	15 15	3 0	4 58	1 31	20 56	0 53	21 1	1 22	13 45	0 45	19 27	0 17	10 29	11 0	20 56	21 2	21 14	16 4	2 59	
F12	17 34	2 12	5 13	12 12	1 29	14 52	2 44	4 47	1 28	20 55	0 53	21 2	1 22	13 44	0 45	19 27	0 17	10 30	10 59	20 55	21 2	21 15	16 6	2 59	
S13	17 51	2s27	4 56	12 49	1 23	14 30	2 29	4 36	1 24	20 54	0 53	21 3	1 22	13 44	0 45	19 27	0 17	10 30	10 59	20 55	21 1	21 15	16 7	2 59	
S14	18 7	6 54	4 24	13 25	1 17	14 9	2 14	4 26	1 21	20 53	0 53	21 3	1 21	13 44	0 45	19 27	0 17	10 31	10 59	20 55	21 1	21 15	16 9	3 0	
M15	18 23	11 1	3 42	14 1	1 10	13 48	1 58	4 15	1 18	20 52	0 53	21 4	1 21	13 44	0 45	19 27	0 17	10 31	10 59	20 54	21 0	21 15	16 11	3 0	
T16	18 38	14 38	2 49	14 37	1 4	13 29	1 43	4 4	1 15	20 51	0 53	21 5	1 21	13 44	0 45	19 27	0 17	10 32	10 59	20 54	20 59	21 16	16 12	3 0	
W17	18 53	17 37	1 50	15 12	0 57	13 11	1 29	3 53	1 12	20 50	0 52	21 6	1 21	13 43	0 45	19 28	0 17	10 32	10 58	20 54	20 59	21 16	16 14	3 0	
T18	19 8	19 51	0 46	15 46	0 50	12 54	1 14	3 41	1 9	20 48	0 52	21 7	1 21	13 43	0 45	19 28	0 17	10 33	10 58	20 54	20 58	21 16	16 15	3 1	
F19	19 22	21 12	0n19	16 20	0 44	12 37	1 0	3 30	1 6	20 47	0 52	21 8	1 21	13 43	0 45	19 28	0 17	10 33	10 58	20 54	20 58	21 16	16 17	3 1	
S20	19 36	21 36	1 24	16 53	0 37	12 23	0 46	3 18	1 3	20 46	0 52	21 9	1 21	13 43	0 45	19 28	0 17	10 34	10 58	20 54	20 57	21 17	16 19	3 1	
S21	19 50	21 3	2 25	17 25	0 30	12 9	0 33	3 6	1 0	20 45	0 52	21 10	1 21	13 42	0 45	19 28	0 17	10 34	10 58	20 54	20 56	21 17	16 20	3 1	
M22	20 3	19 34	3 20	17 57	0 23	11 56	0 19	2 55	0 57	20 44	0 52	21 11	1 21	13 42	0 45	19 28	0 17	10 35	10 58	20 54	20 56	21 17	16 22	3 1	
T23	20 16	17 12	4 7	18 27	0 16	11 45	0 6	2 43	0 54	20 42	0 52	21 12	1 21	13 42	0 45	19 28	0 17	10 35	10 58	20 54	20 55	21 17	16 23	3 2	
W24	20 28	14 3	4 44	18 57	0 9	11 35	0n 6	2 31	0 52	20 41	0 52	21 13	1 21	13 41	0 45	19 28	0 17	10 36	10 58	20 54	20 55	21 17	16 25	3 2	
T25	20 41	10 14	5 8	19 26	0 2	11 26	0 18	2 18	0 49	20 40	0 52	21 14	1 20	13 41	0 45	19 29	0 17	10 36	10 57	20 54	20 54	21 18	16 27	3 2	
F26	20 52	5 53	5 18	19 54	0s 5	11 18	0 30	2 6	0 46	20 39	0 52	21 14	1 20	13 41	0 45	19 29	0 17	10 37	10 57	20 54	20 53	21 18	16 28	3 3	
S27	21 4	1 9	5 12	20 21	0 11	11 11	0 41	1 54	0 44	20 38	0 51	21 15	1 20	13 40	0 45	19 29	0 17	10 37	10 57	20 54	20 53	21 18	16 30	3 3	
S28	21 15	3n48	4 49	20 47	0 18	11 6	0 52	1 41	0 41	20 36	0 51	21 16	1 20	13 40	0 45	19 29	0 17	10 38	10 57	20 54	20 52	21 18	16 31	3 3	
M29	21 25	8 44	4 8	21 13	0 25	11 1	1 2	1 29	0 39	20 35	0 51	21 17	1 20	13 39	0 45	19 29	0 17	10 38	10 57	20 54	20 52	21 18	16 33	3 3	
T30	21s35	13n20	3n11	21s37	0s31	10s58	1n12	1s16	0s37	20n34	0s51	21s18	1n20	13s39	0s45	19n29	0s17	10s39	10n57	20s54	20s51	21s18	16s34	3n 4	

ASTRODIENST EPHEMERIS for the year 1751

geocentric

DECEMBER 1751

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 37 55	8°31'24	11°40	6°16	2°5	28°39	6°14	15°6	25°47	1°54	6°40	3°38	3°17	8°50	27°17	W 1
T 2	4 41 52	9°32'17	26°46	7°50	2°26	29°6	6°11	15°13	25°49	1°53	6°43	3°39	3°14	8°57	27°24	T 2
F 3	4 45 48	10°33'11	12°11	9°24	2°50	29°33	5°58	15°20	25°50	1°52	6°45	3°39	3°11	9°3	27°32	F 3
S 4	4 49 45	11°34'06	27°14	10°58	3°15	0°1	5°50	15°27	25°51	1°51	6°47	3°38	3°7	9°10	27°40	S 4
S 5	4 53 42	12°35'02	12°16	12°33	3°42	0°29	5°42	15°34	25°53	1°50	6°50	3°37	3°4	9°16	27°47	S 5
M 6	4 57 38	13°35'59	27°0	14°7	4°10	0°57	5°34	15°41	25°54	1°49	6°52	3°36	3°1	9°23	27°55	M 6
T 7	5 1 35	14°36'57	11°18	15°41	4°41	1°25	5°26	15°49	25°56	1°48	6°54	3°35	2°58	9°30	28°3	T 7
W 8	5 5 31	15°37'57	25°10	17°15	5°12	1°53	5°18	15°56	25°58	1°47	6°57	3°34	2°55	9°36	28°10	W 8
T 9	5 9 28	16°38'57	8°33	18°50	5°46	2°22	5°10	16°3	25°59	1°46	6°59	3°33	2°51	9°43	28°18	T 9
F 10	5 13 24	17°39'58	21°31	20°24	6°21	2°51	5°2	16°10	26°1	1°45	7°1	3°D33	2°48	9°50	28°25	F 10
S 11	5 17 21	18°41'01	4°7	21°59	6°57	3°20	4°54	16°17	26°3	1°44	7°3	3°33	2°45	9°56	28°33	S 11
S 12	5 21 17	19°42'05	16°25	23°34	7°34	3°50	4°46	16°24	26°4	1°43	7°6	3°35	2°42	10°3	28°40	S 12
M13	5 25 14	20°43'09	28°30	25°9	8°13	4°20	4°39	16°31	26°6	1°42	7°8	3°36	2°39	10°10	28°48	M13
T 14	5 29 11	21°44'15	10°25	26°44	8°53	4°49	4°31	16°38	26°8	1°41	7°10	3°38	2°36	10°16	28°55	T 14
W15	5 33 7	22°45'21	22°14	28°19	9°35	5°20	4°24	16°45	26°10	1°39	7°13	3°39	2°32	10°23	29°3	W15
T 16	5 37 4	23°46'28	4°1	29°54	10°17	5°50	4°17	16°52	26°12	1°38	7°15	3°R39	2°29	10°30	29°10	T 16
F 17	5 41 0	24°47'36	15°48	1°29	11°1	6°21	4°9	16°59	26°14	1°37	7°17	3°39	2°26	10°36	29°17	F 17
S 18	5 44 57	25°48'44	27°38	3°5	11°45	6°51	4°2	17°6	26°16	1°36	7°19	3°37	2°23	10°43	29°25	S 18
S 19	5 48 53	26°49'53	9°32	4°41	12°31	7°22	3°55	17°13	26°18	1°34	7°22	3°34	2°20	10°50	29°32	S 19
M20	5 52 50	27°51'02	21°33	6°16	13°17	7°54	3°48	17°20	26°20	1°33	7°24	3°30	2°17	10°56	29°39	M20
T 21	5 56 46	28°52'11	3°42	7°52	14°5	8°25	3°42	17°27	26°23	1°32	7°26	3°25	2°13	11°3	29°46	T 21
W22	6 0 43	29°53'21	16°1	9°28	14°53	8°57	3°35	17°34	26°25	1°30	7°28	3°21	2°10	11°9	29°54	W22
T 23	6 4 40	0°54'31	28°33	11°4	15°42	9°29	3°29	17°41	26°27	1°29	7°30	3°17	2°7	11°16	0°1	T 23
F 24	6 8 36	1°55'40	11°11	12°41	16°33	10°0	3°22	17°48	26°29	1°27	7°33	3°14	2°4	11°23	0°8	F 24
S 25	6 12 33	2°56'50	24°22	14°17	17°23	10°33	3°16	17°55	26°32	1°26	7°35	3°12	2°1	11°29	0°15	S 25
S 26	6 16 29	3°58'00	7°45	15°53	18°15	11°5	3°10	18°2	26°34	1°25	7°37	3°D12	1°57	11°36	0°22	S 26
M27	6 20 26	4°59'09	21°30	17°29	19°7	11°37	3°4	18°9	26°37	1°23	7°39	3°13	1°54	11°43	0°29	M27
T 28	6 24 22	6°0'18	5°37	19°4	20°0	12°10	2°58	18°16	26°39	1°22	7°41	3°14	1°51	11°49	0°35	T 28
W29	6 28 19	7°1'28	20°7	20°40	20°54	12°43	2°53	18°23	26°42	1°20	7°43	3°16	1°48	11°56	0°42	W29
T 30	6 32 16	8°2'37	4°55	22°15	21°49	13°16	2°47	18°30	26°44	1°19	7°45	3°R16	1°45	12°3	0°49	T 30
F 31	6 36 12	9°3'46	19°57	23°49	22°44	13°49	2°42	18°36	26°47	1°18	7°48	3°15	1°42	12°9	0°56	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
W 1	21s45	17n15	1n59	22s0	0s37	10s56	1n22	1s3	0s34	20n32	0s51	21s19	1n20	13s38	0s45	19n30
T 2	21 55	20 5	0 38	22 22	0 44	10 54	1 31	0 51	0 32	20 31	0 51	21 20	1 20	13 38	0 44	19 30
F 3	22 3	21 30	0s46	22 43	0 50	10 54	1 40	0 38	0 30	20 30	0 51	21 20	1 20	13 37	0 44	19 30
S 4	22 12	21 19	2 8	23 2	0 56	10 55	1 49	0 25	0 27	20 29	0 50	21 21	1 20	13 37	0 44	19 30
S 5	22 20	19 36	3 19	23 21	1 2	10 56	1 57	0 12	0 25	20 27	0 50	21 22	1 20	13 36	0 44	19 30
M 6	22 28	16 37	4 15	23 38	1 7	10 58	2 4	0n 1	0 23	20 26	0 50	21 23	1 20	13 36	0 44	19 31
T 7	22 35	12 42	4 54	23 55	1 13	11 2	2 12	0 15	0 21	20 25	0 50	21 24	1 20	13 35	0 44	19 31
W 8	22 42	8 13	5 14	24 9	1 18	11 6	2 19	0 28	0 19	20 24	0 50	21 24	1 20	13 35	0 44	19 31
T 9	22 48	3 29	5 16	24 23	1 23	11 10	2 25	0 41	0 17	20 22	0 50	21 25	1 19	13 34	0 44	19 31
F 10	22 54	1s16	5 2	24 36	1 28	11 16	2 32	0 55	0 15	20 21	0 49	21 26	1 19	13 33	0 44	19 32
S 11	22 59	5 49	4 34	24 47	1 33	11 22	2 38	1 8	0 13	20 20	0 49	21 27	1 19	13 33	0 44	19 32
S 12	23 4	5 40	3 53	24 56	1 38	11 29	2 43	1 22	0 11	20 19	0 49	21 28	1 19	13 32	0 44	19 32
M13	23 9	13 48	3 3	25 5	1 42	11 36	2 49	1 35	0 9	20 18	0 49	21 28	1 19	13 31	0 44	19 32
T 14	23 13	16 57	2 5	25 12	1 46	11 44	2 54	1 49	0 7	20 16	0 49	21 29	1 19	13 31	0 44	19 33
W15	23 16	19 22	1 3	25 18	1 50	11 53	2 58	2 2	0 5	20 15	0 49	21 30	1 19	13 30	0 44	19 33
T 16	23 19	20 57	0n 2	25 22	1 54	12 2	3 3	2 16	0 3	20 14	0 48	21 31	1 19	13 29	0 44	19 33
F 17	23 22	21 36	1 7	25 25	1 57	12 11	3 7	2 30	0 2	20 13	0 48	21 31	1 19	13 29	0 44	19 34
S 18	23 24	21 18	2 9	25 26	2 0	12 21	3 11	2 44	0n 0	20 12	0 48	21 32	1 19	13 28	0 44	19 34
S 19	23 26	20 3	3 5	25 26	2 2	12 32	3 14	2 57	0 2	20 11	0 48	21 33	1 19	13 27	0 44	19 34
M20	23 27	17 53	3 54	25 24	2 5	12 42	3 18	3 11	0 3	20 10	0 48	21 33	1 19	13 26	0 44	19 34
T 21	23 28	14 56	4 33	25 21	2 7	12 53	3 21	3 25	0 5	20 9	0 47	21 34	1 19	13 26	0 44	19 35
W22	23 28	11 17	5 0	25 16	2 8	13 5	3 23	3 39	0 7	20 8	0 47	21 35	1 19	13 25	0 44	19 35
T 23	23 28	7 6	5 13	25 10	2 10	13 17	3 26	3 53	0 8	20 7	0 47	21 35	1 19	13 24	0 44	19 35
F 24	23 27	2 32	5 11	25 2	2 10	13 29	3 28	4 7	0 10	20 6	0 47	21 36	1 19	13 23	0 44	19 36
S 25	23 26	2n14	4 53	24 52	2 11	13 41	3 30	4 21	0 11	20 5	0 47	21 37	1 19	13 22	0 44	19 36
S 26	23 25	7 2	4 19	24 41	2 11	13 53	3 32	4 35	0 13	20 4	0 46	21 37	1 19	13 22	0 44	19 36
M27	23 23	11 37	3 29	24 28	2 10	14 6	3 34	4 49	0 14	20 3	0 46	21 38	1 19	13 21	0 44	19 37
T 28	23 20	15 42	2 26	24 14	2 9	14 19	3 35	5 3	0 16	20 2	0 46	21 39	1 19	13 20	0 44	19 37
W29	23 17	18 56	1 11	23 58	2 7	14 32	3 36	5 17	0 17	20 1	0 46	21 39	1 19	13 19	0 44	19 37
T 30	23 14	21 0	0s 9	23 41	2 5	14 45	3 37	5 31	0 18	20 0	0 45	21 40	1 19	13 18	0 44	19 38
F 31	23s10	21n36	1s30	23s22	2s 2	14s58	3n38	5n45	0n20	19n59	0s45	21s40	1n19	13s17	0s44	19n38

Julian Day Number = 2360933.5, Delta T = 16.56 sec
 Ecliptic obliquity = 23°28'13", Nutation = 0°00'14", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 21°16'36", Lahiri = 20°23'37"Greg. Calendar