



Astrodienst Ephemeris Tables for the year 1694

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 1694
geocentric

JANUARY 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	6 44 17	11°11'14	14°41	22°R15	25°29	4°R24	21°R10	27°21	11°R 5	19°36	1°R26	13°8	13°22	22°32	1°R52	F 1
S 2	6 48 13	12°12'25	27°20	21°25	26°38	4°5	21°2	27°28	11°3	19°37	1°25	13°8	13°19	22°38	1°48	S 2
S 3	6 52 10	13°13'35	9°41	20°24	27°47	3°46	20°54	27°35	11°1	19°38	1°24	13°8	13°16	22°45	1°44	S 3
M 4	6 56 6	14°14'45	21°47	19°15	28°56	3°26	20°46	27°42	10°59	19°39	1°22	13°8	13°12	22°52	1°40	M 4
T 5	7 0 3	15°15'54	3°43	18°0	0°45	3°5	20°38	27°49	10°57	19°41	1°21	13°8	13°9	22°58	1°36	T 5
W 6	7 3 59	16°17'03	15°34	16°41	1°13	2°44	20°30	27°56	10°55	19°42	1°20	13°8	13°6	23°5	1°33	W 6
T 7	7 7 56	17°18'11	27°24	15°22	2°21	2°22	20°22	28°3	10°53	19°43	1°18	13°9	13°3	23°12	1°29	T 7
F 8	7 11 53	18°19'19	9°18	14°3	3°30	2°0	20°14	28°9	10°51	19°44	1°17	13°9	13°0	23°19	1°25	F 8
S 9	7 15 49	19°20'26	21°17	12°48	4°38	1°38	20°6	28°16	10°49	19°46	1°16	13°10	12°57	23°25	1°21	S 9
S 10	7 19 46	20°21'33	3°26	11°39	5°45	1°15	19°58	28°23	10°47	19°47	1°14	13°10	12°53	23°32	1°17	S 10
M 11	7 23 42	21°22'39	15°47	10°37	6°53	0°52	19°50	28°30	10°46	19°48	1°13	13°R10	12°50	23°39	1°13	M 11
T 12	7 27 39	22°23'44	28°20	9°44	8°0	0°29	19°42	28°36	10°44	19°50	1°12	13°10	12°47	23°45	1°10	T 12
W 13	7 31 35	23°24'49	11°6	8°59	9°7	0°5	19°34	28°43	10°42	19°51	1°10	13°9	12°44	23°52	1°6	W 13
T 14	7 35 32	24°25'53	24°6	8°24	10°14	29°24	19°26	28°50	10°40	19°53	1°9	13°8	12°41	23°59	1°2	T 14
F 15	7 39 28	25°26'57	7°19	7°59	11°21	29°17	19°18	28°56	10°39	19°54	1°8	13°6	12°38	24°5	0°59	F 15
S 16	7 43 25	26°28'01	20°46	7°43	12°27	28°53	19°10	29°3	10°37	19°56	1°6	13°4	12°34	24°12	0°55	S 16
S 17	7 47 22	27°29'03	4°24	7°D35	13°33	28°29	19°2	29°9	10°36	19°57	1°5	13°3	12°31	24°19	0°51	S 17
M 18	7 51 18	28°30'06	18°15	7°36	14°39	28°5	18°54	29°16	10°34	19°59	1°4	13°2	12°28	24°25	0°48	M 18
T 19	7 55 15	29°31'08	21°17	7°45	15°45	27°41	18°46	29°22	10°33	20°0	1°2	13°D 2	12°25	24°32	0°45	T 19
W 20	7 59 11	0°32'09	16°28	8°1	16°50	27°17	18°39	29°29	10°31	20°2	1°1	13°2	12°22	24°39	0°41	W 20
T 21	8 3 8	1°33'11	0°47	8°23	17°55	26°54	18°31	29°35	10°30	20°3	1°0	13°3	12°18	24°45	0°38	T 21
F 22	8 7 4	2°34'11	15°11	8°52	19°0	26°30	18°23	29°41	10°29	20°5	0°58	13°5	12°15	24°52	0°35	F 22
S 23	8 11 1	3°35'11	29°36	9°26	20°5	26°7	18°16	29°48	10°27	20°7	0°57	13°6	12°12	24°59	0°31	S 23
S 24	8 14 57	4°36'10	13°59	10°5	21°9	25°44	18°8	29°54	10°26	20°9	0°55	13°R 6	12°9	25°6	0°28	S 24
M 25	8 18 54	5°37'08	28°13	10°48	22°13	25°21	18°1	0°3	10°25	20°10	0°54	13°6	12°6	25°12	0°25	M 25
T 26	8 22 51	6°38'06	12°14	11°36	23°17	24°58	17°53	0°6	10°24	20°12	0°53	13°4	12°3	25°19	0°22	T 26
W 27	8 26 47	7°39'02	25°58	12°28	24°20	24°37	17°46	0°12	10°23	20°14	0°51	13°1	11°59	25°26	0°19	W 27
T 28	8 30 44	8°39'57	9°23	13°23	25°23	24°15	17°39	0°19	10°22	20°16	0°50	12°57	11°56	25°32	0°16	T 28
F 29	8 34 40	9°40'50	22°26	14°21	26°26	23°54	17°32	0°25	10°21	20°17	0°49	12°52	11°53	25°39	0°13	F 29
S 30	8 38 37	10°41'42	5°8	15°21	27°28	23°34	17°25	0°31	10°20	20°19	0°47	12°48	11°50	25°46	0°11	S 30
S 31	8 42 33	11°42'33	17°32	16°25	28°30	23°14	17°18	0°36	10°19	20°21	0°46	12°45	11°47	25°52	0°8	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	23s 0	1s45	4n39	20s11	1n29	14s32	1s35	23n 3	3n59	22n 9	0n20	22s29	0n58	22n 9	0n 0	F 1
S 2	22 55	3n37	5 6	20 0	1 48	14 6	1 32	23 10	4 1	22 10	0 20	22 29	0 58	22 8	0 0	S 2
S 3	22 49	8 42	5 17	19 51	2 6	13 39	1 29	23 17	4 3	22 11	0 21	22 30	0 58	22 8	0 0	S 3
M 4	22 43	13 21	5 14	19 44	2 23	13 12	1 26	23 23	4 5	22 13	0 21	22 30	0 58	22 8	0 0	M 4
T 5	22 36	17 26	4 57	19 38	2 39	12 45	1 22	23 30	4 7	22 14	0 21	22 30	0 58	22 8	0 0	T 5
W 6	22 29	20 48	4 28	19 35	2 53	12 17	1 19	23 37	4 9	22 15	0 21	22 30	0 58	22 7	0 0	W 6
T 7	22 21	23 18	3 48	19 32	3 4	11 50	1 15	23 43	4 10	22 17	0 21	22 30	0 58	22 7	0 0	T 7
F 8	22 13	24 48	2 57	19 32	3 13	11 21	1 12	23 50	4 12	22 18	0 21	22 30	0 58	22 7	0 0	F 8
S 9	22 5	25 10	1 59	19 33	3 20	10 53	1 8	23 57	4 13	22 19	0 21	22 30	0 58	22 7	0 0	S 9
S 10	21 56	24 20	0 54	19 35	3 24	10 25	1 4	24 3	4 15	22 21	0 21	22 31	0 58	22 6	0 0	S 10
M 11	21 47	22 18	0s14	19 38	3 26	9 56	1 0	24 10	4 16	22 22	0 22	22 31	0 58	22 6	0 0	M 11
T 12	21 37	19 10	1 23	19 43	3 25	9 27	0 56	24 16	4 17	22 23	0 22	22 31	0 58	22 6	0 0	T 12
W 13	21 27	15 5	2 29	19 48	3 22	8 58	0 52	24 22	4 19	22 25	0 22	22 31	0 58	22 6	0 0	W 13
T 14	21 16	10 15	3 28	19 55	3 18	8 29	0 48	24 29	4 20	22 26	0 22	22 31	0 58	22 5	0 0	T 14
F 15	21 5	4 52	4 17	20 2	3 12	7 59	0 43	24 35	4 21	22 27	0 22	22 31	0 58	22 5	0 0	F 15
S 16	20 54	0s49	4 53	20 10	3 6	7 30	0 39	24 41	4 21	22 28	0 22	22 31	0 58	22 5	0 0	S 16
S 17	20 42	6 32	5 13	20 18	2 58	7 0	0 34	24 46	4 22	22 30	0 22	22 31	0 57	22 5	0 0	S 17
M 18	20 30	12 1	5 15	20 27	2 49	6 30	0 30	24 52	4 23	22 31	0 23	22 31	0 57	22 4	0 0	M 18
T 19	20 17	16 57	4 59	20 36	2 39	6 1	0 25	24 57	4 23	22 32	0 23	22 31	0 57	22 4	0 0	T 19
W 20	20 4	21 0	4 24	20 45	2 30	5 31	0 20	25 3	4 24	22 33	0 23	22 31	0 57	22 4	0 0	W 20
T 21	19 51	23 49	3 33	20 54	2 19	5 1	0 15	25 8	4 24	22 35	0 23	22 31	0 57	22 4	0 0	T 21
F 22	19 37	25 6	2 28	21 2	2 9	4 30	0 10	25 12	4 24	22 36	0 23	22 31	0 57	22 4	0 0	F 22
S 23	19 23	24 43	1 14	21 10	1 58	4 0	0 4	25 17	4 24	22 37	0 23	22 31	0 57	22 4	0 0	S 23
S 24	19 9	22 40	0n 5	21 18	1 48	3 30	0n 1	25 21	4 24	22 38	0 23	22 31	0 57	22 3	0 0	S 24
M 25	18 54	19 13	1 22	21 26	1 37	3 0	0 6	25 26	4 24	22 39	0 23	22 31	0 57	22 3	0 0	M 25
T 26	18 39	14 42	2 34	21 32	1 27	2 29	0 12	25 29	4 24	22 40	0 23	22 31	0 57	22 3	0 0	T 26
W 27	18 23	9 31	3 34	21 38	1 16	1 59	0 18	25 33	4 23	22 41	0 24	22 31	0 57	22 3	0 0	W 27
T 28	18 7	4 2	4 22	21 43	1 6	1 29	0 23	25 37	4 23	22 42	0 24	22 31	0 57	22 3	0 0	T 28
F 29	17 51	1n29	4 54	21 47	0 55	0 58	0 29	25 40	4 22	22 43	0 24	22 31	0 57	22 3	0 0	F 29
S 30	17 35	6 48	5 11	21 51	0 45	0 28	0 35	25 43	4 22	22 44	0 24	22 31	0 57	22 3	0 0	S 30
S 31	17s18	11n42	5n12	21s53	0n35	0n 2	0n41	25n46	4n21	22n45	0n24	22s31	0n57	22n 2	0n 0	S 31

Julian Day Number = 2339781.5, Delta T = 16.61 sec
Ecliptic obliquity = 23°28'46, Nutation = 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°28'08, Lahiri = 19°35'08Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1694
geocentric

FEBRUARY 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	8 46 30	12 ⁴³ 23	29 ⁴¹ 41	17 ³¹ 31	29 ³¹ 31	22 ⁵⁴ 54	17 ¹² 12	0 ⁴² 42	10 ¹⁸ 18	20 ²³ 23	0 ⁴⁵ 45	12 ⁴² 42	11 ³⁴ 44	25 ⁵⁹ 59	0 ⁵ 5	M 1
T 2	8 50 26	13 ⁴⁴ 11	11 ³⁹ 39	18 ³⁹ 39	0 ³² 32	22 ³⁶ 36	17 ⁵ 5	0 ⁴⁸ 48	10 ¹⁸ 18	20 ²⁵ 25	0 ⁴³ 43	12 ⁴¹ 41	11 ⁴⁰ 40	26 ⁶ 6	0 ³ 3	T 2
W 3	8 54 23	14 ⁴⁴ 57	23 ³⁰ 30	19 ⁴⁹ 49	1 ³³ 33	22 ¹⁸ 18	16 ⁵⁹ 59	0 ⁵⁴ 54	10 ¹⁷ 17	20 ²⁷ 27	0 ⁴² 42	12 ⁴² 42	11 ³⁷ 37	26 ¹² 12	0 ⁰ 0	W 3
T 4	8 58 20	15 ⁴⁵ 42	5 ¹¹ 20	21 ¹ 1	2 ³³ 33	22 ⁰ 0	16 ⁵² 52	1 ⁰ 0	10 ¹⁶ 16	20 ²⁹ 29	0 ⁴¹ 41	12 ⁴³ 43	11 ³⁴ 34	26 ¹⁹ 19	29 ⁵⁸ 58	T 4
F 5	9 2 16	16 ⁴⁶ 25	17 ¹⁴ 14	22 ¹⁵ 15	3 ³³ 33	21 ⁴⁴ 44	16 ⁴⁶ 46	1 ⁵ 5	10 ¹⁶ 16	20 ³¹ 31	0 ³⁹ 39	12 ⁴⁵ 45	11 ³¹ 31	26 ²⁶ 26	29 ⁵⁶ 56	F 5
S 6	9 6 13	17 ⁴⁷ 07	29 ¹⁶ 16	23 ³⁰ 30	4 ³² 32	21 ²⁸ 28	16 ⁴⁰ 40	1 ¹¹ 11	10 ¹⁵ 15	20 ³³ 33	0 ³⁸ 38	12 ⁴⁷ 47	11 ²⁸ 28	26 ³² 32	29 ⁵³ 53	S 6
S 7	9 10 9	18 ⁴⁷ 47	11 ³¹ 31	24 ⁴⁷ 47	5 ³¹ 31	21 ¹² 12	16 ³⁴ 34	1 ¹⁶ 16	10 ¹⁵ 15	20 ³⁵ 35	0 ³⁷ 37	12 ⁴⁷ 47	11 ²⁴ 24	26 ³⁹ 39	29 ⁵¹ 51	S 7
M 8	9 14 6	19 ⁴⁸ 26	24 ² 2	26 ⁵ 5	6 ²⁹ 29	20 ⁵⁸ 58	16 ²⁹ 29	1 ²² 22	10 ¹⁴ 14	20 ³⁷ 37	0 ³⁵ 35	12 ⁴⁷ 47	11 ²¹ 21	26 ⁴⁶ 46	29 ⁴⁹ 49	M 8
T 9	9 18 2	20 ⁴⁹ 03	6 ⁵¹ 25	27 ²⁵ 25	7 ²⁷ 27	20 ⁴⁴ 44	16 ²³ 23	1 ²⁷ 27	10 ¹⁴ 14	20 ³⁹ 39	0 ³⁴ 34	12 ⁴⁴ 44	11 ¹⁸ 18	26 ⁵³ 53	29 ⁴⁷ 47	T 9
W10	9 21 59	21 ⁴⁹ 38	19 ⁵⁸ 58	28 ⁴⁶ 46	8 ²⁴ 24	20 ³¹ 31	16 ¹⁸ 18	1 ³³ 33	10 ¹³ 13	20 ⁴¹ 41	0 ³³ 33	12 ⁴⁰ 40	11 ¹⁵ 15	26 ⁵⁹ 59	29 ⁴⁵ 45	W10
T 11	9 25 55	22 ⁵⁰ 12	3 ¹¹ 23	0 ⁸ 8	9 ²¹ 21	20 ¹⁹ 19	16 ¹³ 13	1 ³⁸ 38	10 ¹³ 13	20 ⁴³ 43	0 ³² 32	12 ³⁴ 34	11 ¹² 12	27 ⁶ 6	29 ⁴³ 43	T 11
F 12	9 29 52	23 ⁵⁰ 45	17 ⁴ 4	1 ³² 32	10 ¹⁷ 17	20 ⁷ 7	16 ⁷ 7	1 ⁴³ 43	10 ¹³ 13	20 ⁴⁵ 45	0 ³⁰ 30	12 ²⁷ 27	11 ⁹ 9	27 ¹³ 13	29 ⁴¹ 41	F 12
S 13	9 33 49	24 ⁵¹ 16	0 ⁵⁷ 57	2 ⁵⁶ 56	11 ¹² 12	19 ⁵⁷ 57	16 ³ 3	1 ⁴⁸ 48	10 ¹³ 13	20 ⁴⁷ 47	0 ²⁹ 29	12 ²⁰ 20	11 ⁵ 5	27 ¹⁹ 19	29 ⁴⁰ 40	S 13
S 14	9 37 45	25 ⁵¹ 45	14 ⁵⁹ 59	4 ²² 22	12 ⁷ 7	19 ⁴⁷ 47	15 ⁵⁸ 58	1 ⁵³ 53	10 ¹² 12	20 ⁴⁹ 49	0 ²⁸ 28	12 ¹⁴ 14	11 ² 2	27 ²⁶ 26	29 ³⁸ 38	S 14
M15	9 41 42	26 ⁵² 14	29 ⁷ 7	5 ⁴⁹ 49	13 ¹ 1	19 ³⁸ 38	15 ⁵³ 53	1 ⁵⁸ 58	10 ¹² 12	20 ⁵¹ 51	0 ²⁷ 27	12 ⁹ 9	10 ⁵⁹ 59	27 ³³ 33	29 ³⁷ 37	M15
T 16	9 45 38	27 ⁵² 40	13 ¹¹ 17	7 ¹⁷ 17	13 ⁵⁵ 55	19 ²⁹ 29	15 ⁴⁹ 49	2 ³ 3	10 ¹² 12	20 ⁵³ 53	0 ²⁶ 26	12 ⁶ 6	10 ⁵⁶ 56	27 ³⁹ 39	29 ³⁵ 35	T 16
W17	9 49 35	28 ⁵³ 06	27 ²⁶ 26	8 ⁴⁶ 46	14 ⁴⁸ 48	19 ²² 22	15 ⁴⁵ 45	2 ⁸ 8	10 ¹² 12	20 ⁵⁵ 55	0 ²⁴ 24	12 ⁵ 5	10 ⁵³ 53	27 ⁴⁶ 46	29 ³⁴ 34	W17
T 18	9 53 31	29 ⁵³ 31	11 ³³ 33	10 ¹⁶ 16	15 ⁴⁰ 40	19 ¹⁵ 15	15 ⁴¹ 41	2 ¹³ 13	10 ¹² 12	20 ⁵⁸ 58	0 ²³ 23	12 ⁵ 5	10 ⁵⁰ 50	27 ⁵³ 53	29 ³³ 33	T 18
F 19	9 57 28	0 ⁵³ 54	25 ³⁷ 37	11 ⁴⁷ 47	16 ³¹ 31	19 ⁹ 9	15 ³⁷ 37	2 ¹⁸ 18	10 ¹³ 13	21 ⁰ 0	0 ²² 22	12 ⁶ 6	10 ⁴⁶ 46	27 ⁵⁹ 59	29 ³¹ 31	F 19
S 20	10 1 24	1 ⁵⁴ 15	9 ³⁷ 37	13 ²⁰ 20	17 ²² 22	19 ⁴ 4	15 ³³ 33	2 ²³ 23	10 ¹³ 13	21 ² 2	0 ²¹ 21	12 ⁷ 7	10 ⁴³ 43	28 ⁶ 6	29 ³⁰ 30	S 20
S 21	10 5 21	2 ⁵⁴ 36	23 ³⁰ 30	14 ⁵³ 53	18 ¹² 12	18 ⁵⁹ 59	15 ³⁰ 30	2 ²⁷ 27	10 ¹³ 13	21 ⁴ 4	0 ²⁰ 20	12 ⁶ 6	10 ⁴⁰ 40	28 ¹³ 13	29 ²⁹ 29	S 21
M22	10 9 18	3 ⁵⁴ 54	7 ¹⁷ 17	16 ²⁷ 27	19 ¹ 1	18 ⁵⁶ 56	15 ²⁶ 26	2 ³² 32	10 ¹³ 13	21 ⁶ 6	0 ¹⁹ 19	12 ⁴ 4	10 ³⁷ 37	28 ¹⁹ 19	29 ²⁸ 28	M22
T 23	10 13 14	4 ⁵⁵ 11	20 ⁵³ 53	18 ² 2	19 ⁴⁹ 49	18 ⁵³ 53	15 ²³ 23	2 ³⁶ 36	10 ¹⁴ 14	21 ⁸ 8	0 ¹⁸ 18	11 ⁵⁸ 58	10 ³⁴ 34	28 ²⁶ 26	29 ²⁸ 28	T 23
W24	10 17 11	5 ⁵⁵ 26	4 ¹⁸ 18	19 ³⁹ 39	20 ³⁶ 36	18 ⁵¹ 51	15 ²⁰ 20	2 ⁴¹ 41	10 ¹⁴ 14	21 ¹¹ 11	0 ¹⁷ 17	11 ⁵¹ 51	10 ³⁰ 30	28 ³³ 33	29 ²⁷ 27	W24
T 25	10 21 7	6 ⁵⁵ 39	17 ²⁸ 28	21 ¹⁶ 16	21 ²³ 23	18 ⁵⁰ 50	15 ¹⁷ 17	2 ⁴⁵ 45	10 ¹⁴ 14	21 ¹³ 13	0 ¹⁵ 15	11 ⁴¹ 41	10 ²⁷ 27	28 ³⁹ 39	29 ²⁶ 26	T 25
F 26	10 25 4	7 ⁵⁵ 51	0 ²² 22	22 ⁵⁴ 54	22 ⁸ 8	18 ⁴⁹ 49	15 ¹⁵ 15	2 ⁴⁹ 49	10 ¹⁵ 15	21 ¹⁵ 15	0 ¹⁴ 14	11 ³¹ 31	10 ²⁴ 24	28 ⁴⁶ 46	29 ²⁶ 26	F 26
S 27	10 29 0	8 ⁵⁶ 00	12 ⁵⁹ 59	24 ³⁴ 34	22 ⁵³ 53	18 ⁴⁹ 49	15 ¹² 12	2 ⁵³ 53	10 ¹⁵ 15	21 ¹⁷ 17	0 ¹³ 13	11 ²⁰ 20	10 ²¹ 21	28 ⁵³ 53	29 ²⁵ 25	S 27
S 28	10 32 57	9 ⁵⁶ 08	25 ²¹ 21	26 ¹⁴ 14	23 ³⁶ 36	18 ⁵⁰ 50	15 ¹⁰ 10	2 ⁵⁷ 57	10 ¹⁶ 16	21 ¹⁸ 18	0 ¹² 12	11 ²¹ 21	10 ²¹ 21	28 ⁵⁹ 59	29 ²⁵ 25	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	17s 1	16n 3	5n 0	21s55	0n26	0n32	0n47	25n48	4n20	22n46	0n24	22s31	0n57	22n 2	0n 0	4s55	1s12	24n33	4n39	22s52	22s58	22n52	16n34	6s55			
T 2	16 44	19 42	4 34	21 55	0 16	1 2	0 54	25 50	4 19	22 47	0 24	22 31	0 57	22 2	0 0	4 54	1 12	24 34	4 39	22 52	22 58	22 53	16 34	6 55			
W 3	16 26	22 31	3 58	21 54	0 7	1 32	1 0	25 53	4 18	22 48	0 24	22 31	0 57	22 2	0 0	4 54	1 12	24 34	4 39	22 52	22 58	22 54	16 34	6 54			
T 4	16 8	24 21	3 11	21 52	0s 2	2 2	1 7	25 54	4 17	22 49	0 24	22 31	0 57	22 2	0 0	4 53	1 12	24 34	4 39	22 52	22 59	22 55	16 35	6 54			
F 5	15 50	25 6	2 15	21 49	0 11	2 32	1 13	25 56	4 16	22 50	0 24	22 31	0 57	22 2	0 0	4 52	1 12	24 35	4 39	22 52	22 59	22 56	16 35	6 54			
S 6	15 32	24 42	1 13	21 45	0 20	3 1	1 20	25 57	4 15	22 51	0 24	22 31	0 57	22 2	0 0	4 51	1 12	24 35	4 39	22 52	22 59	22 57	16 36	6 53			
S 7	15 13	23 6	0 7	21 40	0 28	3 31	1 26	25 59	4 14	22 51	0 25	22 31	0 57	22 2	0 0	4 50	1 12	24 35	4 39	22 52	22 59	22 58	16 36	6 53			
M 8	14 54	20 20	1s 1	21 33	0 36	4 0	1 33	26 0	4 12	22 52	0 25	22 31	0 57	22 2	0 1	4 50	1 12	24 36	4 39	22 52	23 0	22 59	16 36	6 52			
T 9	14 35	16 32	2 7	21 25	0 44	4 29	1 40	26 0	4 11	22 53	0 25	22 31	0 57	22 2	0 1	4 49	1 12	24 36	4 39	22 52	23 0	23 0	16 37	6 52			
W10	14 15	11 52	3 8	21 16	0 51	4 58	1 47	26 1	4 9	22 54	0 25	22 31	0 57	22 2	0 1	4 48	1 12	24 36	4 39	22 53	23 0	23 1	16 37	6 52			
T 11	13 56	6 33	4 0	21 6	0 58	5 27	1 54	26 1	4 8	22 54	0 25	22 31	0 57	22 2	0 1	4 47	1 12	24 36	4 39	22 53	23 0	23 2	16 38	6 51			
F 12	13 36	0 50	4 39	20 54	1 5	5 56	2 1	26 2	4 6	22 55	0 25	22 31	0 57	22 2	0 1	4 46	1 12	24 37	4 39	22 54	23 1	23 3	16 38	6 51			
S 13	13 16	5s 0	5 3	20 42	1 11	6 24	2 8	26 2	4 5	22 56	0 25	22 31	0 57	22 2	0 1	4 45	1 12	24 37	4 39	22 54	23 1	23 4	16 39	6 50			
S 14	12 55	10 39	5 8	20 27	1 18	6 53	2 15	26 2	4 3	22 56	0 25	22 31	0 57	22 2	0 1	4 45	1 12	24 37	4 39	22 55	23 1	23 5	16 39	6 50			
M15	12 35	15 47	4 56	20 12	1 24	7 20	2 23	26 1	4 1	22 57	0 25	22 31	0 57	22 2	0 1	4 44	1 12	24 38	4 39	22 55	23 1	23 6	16 39	6 49			
T 16	12 14	20 3	4 25	19 55	1 29	7 48	2 30	26 1	4 0	22 58	0 25	22 31	0 57	22 2	0 1	4 43	1 12	24 38	4 39	22 56	23 2	23 7	16 40	6 49			
W17	11 53	23 9	3 37	19 37	1 34	8 16	2 38	26 0	3 58	22 58	0 25	22 30	0 57	22 2	0 1	4 42	1 12	24 38	4 39	22 56	23 2	23 7	16 40	6 48			
T 18	11 32	24 48	2 37	19 17	1 39	8 43	2 45	26 0	3 56	22 59	0 25	22 30	0 57	22 2	0 1	4 41	1 12	24 38	4 39	22 56	23 2	23 8	16 41	6 48			
F 19	11 10	24 52	1 28	18 57	1 44	9 10	2 53	25 59	3 54	22 59	0 25	22 30	0 57	22 2	0 1	4 40	1 12	24 39	4 39	22 56	23 3	23 9	16 41	6 47			
S 20	10 49	23 21	0 14	18 35	1 48	9 36	3 0	25 58	3 53	23 0	0 25	22 30	0 57	22 2	0 1	4 40	1 12	24 39	4 39	22 56	23 3	23 10	16 42	6 47			
S 21	10 27	20 26	1n 1	18 11	1 52	10 3	3 8	25 56	3 51	23 0	0 26	22 30	0 57	22 2	0 1	4 39	1 12	24 39	4 39	22 56	23 3	23 11	16 42	6 47			
M22	10 5	16 22	2 11	17 46	1 56	10 28	3 16	25 55	3 49	23 1	0 26	22 30	0 57	22 2	0 1	4 38	1 12	24 39	4 39	22 56	23 3	23 12	16 43	6 46			
T 23	9 43	11 31	3 13	17 20	1 59	10 54	3 23	25 54	3 47	23 1	0 26	22 30	0 57	22 2	0 1	4 37	1 12	24 40	4 39	22 56	23 4	23 13	16 43	6 46			
W24	9 21	6 11	4 3	16 52	2 2	11 19	3 31	25 52	3 45	23 1	0 26	22 30	0 57	22 2	0 1	4 36	1 12	24 40	4 39	22 57	23 4	23 14	16 44	6 45			
T25	8 59	0 41	4 38	16 24	2 4	11 44	3 39	25 50	3 43	23 2	0 26	22 30	0 57	22 2	0 1	4 35	1 12	24 40	4 39	22 58	23 4	23 15	16 44	6 45			
F 26	8 37	4n43	4 59	15 53	2 6	12 9	3 47	25 49	3 41	23 2	0 26	22 30	0 57	22 2	0 1	4 34	1 12	24 40	4 39	22 59	23 4	23 15	16 45	6 44			
S 27	8 14	9 49	5 5	15 22	2 8	12 33	3 55	25 47	3 40	23 2	0 26	22 30	0 57	22 2	0 1	4 33	1 12	24 41	4 39	23 0	23 5	23 16	16 45	6 44			
S 28	7s1	14n24	4n56	14s49	2s 9	12n56	4n 3	25n45	3n38	23n 3	0n26	22s29	0n57	22n 2	0n 1	4s33	1s12	24n41	4n39	23s 0	23s 5	23n17	16n46	6s43			

ASTRODIENST EPHEMERIS for the year 1694

geocentric

MARCH 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	10 36 53	10 ^h 56'13	7 ^h 8'29	27 ^h 56'56	24 ^h 19'19	18 ^h 52'52	15 ^h 08'8	3 ^h 38'1	10 ^h 11'17	21 ^h 18'22	0 ^h 08'11	11 ^h 08'3	10 ^h 38'15	29 ^h 08'6	29 ^h 08'24	M 1
T 2	10 40 50	11 ^h 56'17	19 ^h 27'27	29 ^h 38'25	25 ^h 0'0	18 ^h 54'15	15 ^h 08'7	3 ^h 5'3	10 ^h 17'17	21 ^h 24'24	0 ^h 10'10	10 ^h 38'58	10 ^h 11'10	29 ^h 13'29	29 ^h 11'24	T 2
W 3	10 44 47	12 ^h 56'18	1 ^h 11'18	1 ^h 11'22	25 ^h 40'0	18 ^h 58'15	15 ^h 5'5	3 ^h 9'9	10 ^h 18'18	21 ^h 26'26	0 ^h 9'9	10 ^h 56'10	10 ^h 8'10	29 ^h 19'29	29 ^h 24'24	W 3
T 4	10 48 43	13 ^h 56'17	13 ^h 7'7	3 ^h 7'7	26 ^h 19'19	19 ^h 1'15	15 ^h 4'4	3 ^h 13'13	10 ^h 19'19	21 ^h 29'29	0 ^h 8'8	10 ^h 55'10	10 ^h 5'10	29 ^h 26'26	29 ^h 24'24	T 4
F 5	10 52 40	14 ^h 56'14	25 ^h 0'0	4 ^h 53'26	26 ^h 56'19	19 ^h 6'15	15 ^h 2'2	3 ^h 17'17	10 ^h 20'20	21 ^h 31'31	0 ^h 8'8	10 ^h 55'10	10 ^h 2'10	29 ^h 33'33	29 ^h 24'24	F 5
S 6	10 56 36	15 ^h 56'09	7 ^h 28'2	6 ^h 40'27	27 ^h 33'19	19 ^h 11'15	15 ^h 1'1	3 ^h 20'20	10 ^h 21'21	21 ^h 33'33	0 ^h 7'7	10 ^h 56'10	9 ^h 59'59	29 ^h 40'40	29 ^h 24'24	S 6
S 7	11 0 33	16 ^h 56'01	19 ^h 18'18	8 ^h 28'28	28 ^h 8'8	19 ^h 17'15	15 ^h 1'1	3 ^h 24'24	10 ^h 22'22	21 ^h 35'35	0 ^h 6'6	10 ^h 55'10	9 ^h 56'56	29 ^h 46'46	29 ^h 25'25	S 7
M 8	11 4 29	17 ^h 55'51	1 ^h 12'53	10 ^h 18'28	28 ^h 41'19	19 ^h 23'15	15 ^h 0'0	3 ^h 27'27	10 ^h 23'23	21 ^h 38'38	0 ^h 5'5	10 ^h 53'10	9 ^h 52'52	29 ^h 53'53	29 ^h 25'25	M 8
T 9	11 8 26	18 ^h 55'40	14 ^h 51'12	12 ^h 8'29	29 ^h 13'19	19 ^h 30'15	15 ^h 0'0	3 ^h 31'31	10 ^h 24'24	21 ^h 40'40	0 ^h 4'4	10 ^h 49'49	9 ^h 49'49	29 ^h 59'59	29 ^h 25'25	T 9
W10	11 12 22	19 ^h 55'25	28 ^h 13'14	14 ^h 0'0	29 ^h 44'19	19 ^h 38'14	15 ^h 59'3	3 ^h 34'34	10 ^h 25'25	21 ^h 42'42	0 ^h 3'3	10 ^h 42'42	9 ^h 46'46	0 ^h 11'6	29 ^h 26'26	W10
T 11	11 16 19	20 ^h 55'09	11 ^h 18'58	15 ^h 53'08	0 ^h 8'12	19 ^h 47'14	15 ^h 59'3	3 ^h 37'37	10 ^h 26'26	21 ^h 44'44	0 ^h 3'3	10 ^h 32'32	9 ^h 43'43	0 ^h 13'13	29 ^h 27'27	T 11
F 12	11 20 16	21 ^h 54'51	26 ^h 3'26	17 ^h 47'04	0 ^h 40'0	19 ^h 55'14	15 ^h 59'3	3 ^h 40'40	10 ^h 27'27	21 ^h 47'47	0 ^h 2'2	10 ^h 21'21	9 ^h 40'40	0 ^h 20'20	29 ^h 27'27	F 12
S 13	11 24 12	22 ^h 54'30	10 ^h 12'25	19 ^h 42'1	1 ^h 5'5	20 ^h 5'20	15 ^h 0'0	3 ^h 43'43	10 ^h 29'29	21 ^h 49'49	0 ^h 1'1	10 ^h 10'10	9 ^h 36'36	0 ^h 26'26	29 ^h 28'28	S 13
S 14	11 28 9	23 ^h 54'08	24 ^h 56'21	21 ^h 39'12	1 ^h 29'29	20 ^h 15'15	15 ^h 0'0	3 ^h 46'46	10 ^h 30'30	21 ^h 51'51	0 ^h 0'0	10 ^h 0'0	9 ^h 33'33	0 ^h 33'33	29 ^h 29'29	S 14
M15	11 32 5	24 ^h 53'44	9 ^h 11'29	23 ^h 36'15	1 ^h 51'51	20 ^h 26'15	15 ^h 1'1	3 ^h 49'49	10 ^h 31'31	21 ^h 53'53	29 ^h 59'59	9 ^h 51'51	9 ^h 30'30	0 ^h 40'40	29 ^h 30'30	M15
T 16	11 36 2	25 ^h 53'18	23 ^h 59'25	25 ^h 34'21	2 ^h 11'11	20 ^h 37'15	15 ^h 2'2	3 ^h 51'51	10 ^h 33'33	21 ^h 56'56	29 ^h 59'59	9 ^h 45'45	9 ^h 27'27	0 ^h 46'46	29 ^h 31'31	T 16
W17	11 39 58	26 ^h 52'51	8 ^h 12'20	27 ^h 34'22	2 ^h 29'29	20 ^h 49'15	15 ^h 3'3	3 ^h 54'54	10 ^h 34'34	21 ^h 58'58	29 ^h 58'58	9 ^h 42'42	9 ^h 24'24	0 ^h 53'53	29 ^h 32'32	W17
T 18	11 43 55	27 ^h 52'22	22 ^h 30'29	29 ^h 34'24	2 ^h 45'45	21 ^h 1'15	15 ^h 5'5	3 ^h 57'57	10 ^h 36'36	22 ^h 0'0	29 ^h 58'58	9 ^h 41'41	9 ^h 21'21	1 ^h 0'0	29 ^h 33'33	T 18
F 19	11 47 51	28 ^h 51'51	6 ^h 32'28	1 ^h 35'35	2 ^h 59'59	21 ^h 14'14	15 ^h 6'6	3 ^h 59'59	10 ^h 37'37	22 ^h 3'3	29 ^h 57'57	9 ^h 41'41	9 ^h 17'17	1 ^h 6'6	29 ^h 35'35	F 19
S 20	11 51 48	29 ^h 51'18	20 ^h 13'3	3 ^h 36'36	3 ^h 11'11	21 ^h 27'15	15 ^h 8'8	4 ^h 1'1	10 ^h 39'39	22 ^h 5'5	29 ^h 56'56	9 ^h 41'41	9 ^h 14'14	1 ^h 13'13	29 ^h 36'36	S 20
S 21	11 55 45	0 ^h 50'44	3 ^h 37'47	5 ^h 38'32	3 ^h 21'21	21 ^h 41'15	15 ^h 10'10	4 ^h 4'4	10 ^h 41'41	22 ^h 7'7	29 ^h 56'56	9 ^h 39'39	9 ^h 11'11	1 ^h 20'20	29 ^h 38'38	S 21
M22	11 59 41	1 ^h 50'07	17 ^h 10'7	7 ^h 40'32	3 ^h 29'29	21 ^h 55'15	15 ^h 12'12	4 ^h 6'6	10 ^h 42'42	22 ^h 9'9	29 ^h 55'55	9 ^h 35'35	9 ^h 8'8	1 ^h 26'26	29 ^h 39'39	M22
T 23	12 3 38	2 ^h 49'29	0 ^h 12'23	9 ^h 42'33	3 ^h 34'34	22 ^h 10'15	15 ^h 14'14	4 ^h 8'8	10 ^h 44'44	22 ^h 12'12	29 ^h 55'55	9 ^h 27'27	9 ^h 5'5	1 ^h 33'33	29 ^h 41'41	T 23
W24	12 7 34	3 ^h 48'49	13 ^h 24'11	11 ^h 44'33	3 ^h 37'37	22 ^h 25'15	15 ^h 16'16	4 ^h 10'10	10 ^h 46'46	22 ^h 14'14	29 ^h 54'54	9 ^h 17'17	9 ^h 1'1	1 ^h 40'40	29 ^h 43'43	W24
T 25	12 11 31	4 ^h 48'07	26 ^h 14'13	13 ^h 45'3	3 ^h 38'38	22 ^h 40'15	15 ^h 19'19	4 ^h 12'12	10 ^h 48'48	22 ^h 16'16	29 ^h 54'54	9 ^h 5'5	8 ^h 58'58	1 ^h 46'46	29 ^h 44'44	T 25
F 26	12 15 27	5 ^h 47'23	8 ^h 52'52	15 ^h 46'33	3 ^h 36'36	22 ^h 57'15	15 ^h 22'22	4 ^h 14'14	10 ^h 50'50	22 ^h 18'18	29 ^h 53'53	8 ^h 51'51	8 ^h 55'55	1 ^h 53'53	29 ^h 46'46	F 26
S 27	12 19 24	6 ^h 46'36	21 ^h 18'17	17 ^h 45'33	3 ^h 31'31	23 ^h 13'15	15 ^h 25'25	4 ^h 15'15	10 ^h 52'52	22 ^h 21'21	29 ^h 53'53	8 ^h 37'37	8 ^h 52'52	2 ^h 0'0	29 ^h 48'48	S 27
S 28	12 23 20	7 ^h 45'48	3 ^h 31'19	19 ^h 43'32	3 ^h 25'25	23 ^h 30'15	15 ^h 28'28	4 ^h 17'17	10 ^h 54'54	22 ^h 23'23	29 ^h 53'53	8 ^h 24'24	8 ^h 49'49	2 ^h 6'6	29 ^h 51'51	S 28
M29	12 27 17	8 ^h 44'58	15 ^h 34'21	21 ^h 38'35	3 ^h 15'15	23 ^h 48'15	15 ^h 31'31	4 ^h 18'18	10 ^h 56'56	22 ^h 25'25	29 ^h 52'52	8 ^h 14'14	8 ^h 46'46	2 ^h 13'13	29 ^h 53'53	M29
T 30	12 31 13	9 ^h 44'05	27 ^h 29'23	23 ^h 31'3	3 ^h 4'4	24 ^h 5'24	15 ^h 35'35	4 ^h 20'20	10 ^h 58'58	22 ^h 27'27	29 ^h 52'52	8 ^h 6'6	8 ^h 42'42	2 ^h 20'20	29 ^h 55'55	T 30
W31	12 35 10	10 ^h 43'10	9 ^h 11'18	25 ^h 22'25	2 ^h 50'50	24 ^h 24'24	15 ^h 39'39	4 ^h 21'21	11 ^h 0'0	22 ^h 28'28	29 ^h 52'52	8 ^h 3'3	8 ^h 39'39	2 ^h 26'26	29 ^h 57'57	W31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	7s29	18n20	4n33	14s14	2s10	13n19	4n11	25n43	3n36	23n 3	0n26	22s29	0n57	22n 2	0n 1	4s32	1s12	24n41	4n39	23s 1	23s 5	23n18	16n46	6s43					
T 2	7 6	21 27	3 59	13 39	2 10	13 42	4 19	25 40	3 34	23 3	0 26	22 29	0 57	22 2	0 1	4 31	1 12	24 41	4 39	23 2	23 5	23 19	16 47	6 42					
W 3	6 43	23 38	3 15	13 2	2 10	14 4	4 27	25 38	3 32	23 3	0 26	22 29	0 57	22 3	0 1	4 30	1 12	24 41	4 39	23 2	23 6	23 20	16 47	6 42					
T 4	6 20	24 46	2 23	12 23	2 9	14 26	4 35	25 35	3 30	23 4	0 26	22 29	0 57	22 3	0 1	4 29	1 12	24 42	4 39	23 2	23 6	23 20	16 48	6 41					
F 5	5 57	24 47	1 24	11 44	2 9	14 47	4 43	25 33	3 28	23 4	0 26	22 29	0 57	22 3	0 1	4 28	1 12	24 42	4 39	23 2	23 6	23 21	16 48	6 41					
S 6	5 33	23 38	0 21	11 3	2 7	15 8	4 51	25 30	3 26	23 4	0 26	22 29	0 57	22 3	0 1	4 27	1 12	24 42	4 39	23 2	23 6	23 22	16 49	6 40					
S 7	5 10	21 21	0s45	10 20	2 5	15 28	4 59	25 28	3 24	23 4	0 26	22 29	0 57	22 3	0 1	4 26	1 12	24 42	4 39	23 2	23 6	23 23	16 49	6 40					
M 8	4 47	18 0	1 49	9 37	2 3	15 47	5 6	25 25	3 22	23 4	0 26	22 29	0 58	22 3	0 1	4 25	1 12	24 42	4 39	23 2	23 7	23 24	16 50	6 39					
T 9	4 23	13 42	2 50	8 52	2 0	16 6	5 14	25 22	3 20	23 4	0 26	22 28	0 58	22 3	0 1	4 25	1 12	24 43	4 39	23 2	23 7	23 24	16 50	6 38					
W10	4 0	8 37	3 43	8 6	1 56	16 25	5 22	25 19	3 19	23 4	0 26	22 28	0 58	22 4	0 1	4 24	1 12	24 43	4 39	23 3	23 7	23 25	16 51	6 38					
T 11	3 36	3 0	4 25	7 18	1 53	16 42	5 30	25 16	3 17	23 4	0 26	22 28	0 58	22 4	0 1	4 23	1 12	24 43	4 39	23 4	23 7	23 26	16 51	6 37					
F 12	3 13	2s54	4 52	6 30	1 48	16 59	5 37	25 13	3 15	23 4	0 26	22 28	0 58	22 4	0 1	4 22	1 12	24 43	4 39	23 4	23 8	23 27	16 52	6 37					
S 13	2 49	8 45	5 2	5 40	1 43	17 15	5 45	25 9	3 13	23 4	0 26	22 28	0 58	22 4	0 1	4 21	1 12	24 43	4 39	23 5	23 8	23 27	16 52	6 36					
S 14	2 26	14 11	4 52	4 49	1 38	17 31	5 53	25 6	3 11	23 4	0 27	22 28	0 58	22 4	0 1	4 20	1 12	24 43	4 39	23 6	23 8	23 28	16 53	6 36					
M15	2 2	18 49	4 23	3 57	1 31	17 45	6 0	25 2	3 9	23 4	0 27	22 28	0 58	22 5	0 1	4 19	1 12	24 43	4 39	23 7	23 8	23 29	16 53	6 35					
T 16	1 38	22 18	3 37	3 4	1 25	17 59	6 7	24 59	3 7	23 4	0 27	22 28	0 58	22 5	0 1	4 18	1 12	24 43	4 39	23 7	23 9	23 30	16 54	6 35					
W17	1 15	24 20	2 38	2 10	1 18	18 12	6 14	24 55	3 6	23 4	0 27	22 28	0 58	22 5	0 1	4 17	1 12	24 44	4 39	23 7	23 9	23 30	16 54	6 34					
T 18	0 51	24 46	1 30	1 15	1 10	18 24	6 21	24 52	3 4	23 4	0 27	22 28	0 58	22 5	0 1	4 16	1 12	24 44	4 39	23 8	23 9	23 31	16 55	6 34					
F 19	0 27	23 36	0 17	0 19	1 2	18 35	6 28	24 48	3 2	23 4	0 27	22 27	0 58	22 5	0 1	4 16	1 12	24 44	4 39	23 8	23 9	23 32	16 55	6 33					
S 20	0 3	21 2	0n56	0n37	0 53	18 46	6 34	24 44	3 0	23 4	0 27	22 27	0 58	22 6	0 1	4 15	1 12	24 44	4 39	23 8	23 9	23 33	16 56	6 33					
S 21	0n20	17 20	2 4	1 34	0 44	18 55	6 40	24 40	2 59	23 4	0 27	22 27	0 58	22 6	0 1	4 14	1 12	24 44	4 39	23 8	23 10	23 33	16 56	6 32					
M22	0 44	12 47	3 4	2 32	0 34	19 3	6 46	24 36	2 57	23 3	0 27	22 27	0 58	22 6	0 1	4 13	1 12	24 44	4 38	23 8	23 10	23 34	16 57	6 32					
T 23	1 8	7 43	3 54	3 29	0 24	19 10	6 52	24 32	2 55	23 3	0 27	22 27	0 58	22 6	0 1	4 12	1 12	24 44	4 38	23 9	23 10	23 35	16 57	6 31					
W24	1 31	2 22	4 30	4 27	0 13	19 16	6 57	24 28	2 53	23 3	0 27	22 27	0 58	22 7	0 1	4 11	1 12	24 44	4 38	23 9	23 10	23 35	16 58	6 31					
T 25	1 55	2n58	4 52	5 24	0 2	19 21	7 2	24 23	2 52	23 3	0 27	22 27	0 58	22 7	0 1	4 10	1 12	24 44	4 38	23 10	23 11	23 36	16 59	6 30					
F 26	2 18	8 7	5 0	6 21	0n 9	19 25	7 7	24 19	2 50	23 2	0 27	22 27	0 58	22 7	0 1	4 9	1 12	24 44	4 38	23 11	23 11	23 37	16 59	6 30					
S 27	2 42	12 50	4 53	7 17	0 20	19 27	7 11	24 14	2 48	23 2	0 27	22 27	0 58	22 8	0 1	4 9	1 12	24 44	4 38	23 12	23 11	23 37	17 0	6 29					
S 28	3 5	16 58	4 32	8 13	0 32	19 28	7 15	24 10	2 47	23 2	0 27	22 27	0 58	22 8	0 1	4 8	1 12	24 44	4 38	23 13	23 11	23 38	17 0	6 29					
M29	3 28	20 21	3 59	9 7	0 44	19 28	7 18	24 5	2 45	23 1	0 27	22 27	0 58	22 8	0 1	4 7	1 12	24 44	4 38	23 13	23 11	23 39	17 1	6 28					
T 30	3 52	22 49	3 17	10 0	0 55	19 26	7 20	24 0	2 43	23 1	0 27	22 27	0 58	22 8	0 1	4 6	1 12	24 44	4 38	23 14	23 12	23 39	17 1	6 28					
W31	4n15	24n17	2n25	10n52	1n 7	19n23	7n23	23n56	2n42	23n 1	0n27	22s26	0n58	22n 9	0n 1	4s 5	1s12	24n44	4n38	23s14	23s12	23n40	17n 2	6s27					

ASTRODIENST EPHEMERIS for the year 1694

geocentric

APRIL 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	12 39 7	11°42'13	21°11'6	27°10'10	2°R33	24°42'15	15°43'43	4°22'11	11°2'22	22°32'29	7°R51	7°R58	8°36'21	21°33'29	21°59'29	T 1
F 2	12 43 3	12°41'13	2°57'28	28°54'28	2°14'28	25°1'25	15°47'15	4°23'11	11°4'22	22°34'29	7°58'7	8°33'8	2°40'2	0°52'0	0°52'0	F 2
S 3	12 47 0	13°40'12	14°57'08	34°1'52	1°52'25	25°20'15	15°51'15	4°24'11	11°6'22	22°36'29	7°57'7	8°30'8	2°46'0	0°5'0	0°5'0	S 3
S 4	12 50 56	14°39'08	27°12'27	2°10'12	1°29'34	25°40'15	15°55'15	4°25'11	11°9'22	22°38'29	7°57'7	8°27'8	2°53'0	0°8'8	0°8'8	S 4
M 5	12 54 53	15°38'01	9°16'34	3°41'1	1°3'26	26°0'16	16°0'16	4°26'11	11°11'22	22°40'29	7°55'7	8°23'8	3°0'0	0°10'0	0°10'0	M 5
T 6	12 58 49	16°36'53	22°45'5	5°8'0	0°35'26	26°21'16	16°5'4	4°27'11	11°13'22	22°42'29	7°51'7	8°20'8	3°6'0	0°13'0	0°13'0	T 6
W 7	13 2 46	17°35'42	6°10'10	6°30'0	0°5'26	26°41'16	16°9'4	4°28'11	11°16'22	22°44'29	7°44'7	8°17'8	3°13'0	0°16'0	0°16'0	W 7
T 8	13 6 42	18°34'28	20°4'7	7°47'29	1°34'29	27°3'16	16°14'4	4°28'11	11°18'22	22°46'29	7°35'7	8°14'8	3°20'0	0°19'0	0°19'0	T 8
F 9	13 10 39	19°33'13	4°24'8	8°59'29	1°27'27	27°24'16	16°20'4	4°28'11	11°21'22	22°49'29	7°25'7	8°11'8	3°26'0	0°22'0	0°22'0	F 9
S 10	13 14 36	20°31'55	19°5'10	10°5'28	2°26'27	27°46'16	16°25'4	4°29'11	11°23'22	22°51'29	7°13'7	8°7'8	3°33'0	0°25'0	0°25'0	S 10
S 11	13 18 32	21°30'36	3°15'58	11°6'27	2°51'28	28°8'16	16°31'4	4°29'11	11°26'22	22°53'29	7°3'7	8°4'8	3°40'0	0°29'0	0°29'0	S 11
M12	13 22 29	22°29'15	18°56'12	12°0'27	2°14'28	28°30'16	16°36'4	4°29'11	11°28'22	22°55'29	6°54'6	8°1'8	3°46'0	0°32'0	0°32'0	M12
T 13	13 26 25	23°27'52	3°15'50	12°49'26	2°37'28	28°53'16	16°42'4	4°R29	11°31'22	22°57'29	6°48'7	7°58'8	3°53'0	0°35'0	0°35'0	T 13
W14	13 30 22	24°26'27	18°31'13	13°33'25	2°59'29	29°16'16	16°48'4	4°29'11	11°33'22	22°59'29	6°45'7	7°55'8	4°0'0	0°39'0	0°39'0	W14
T 15	13 34 18	25°25'01	2°35'14	14°10'25	2°21'29	29°39'16	16°54'4	4°29'11	11°36'23	1°29°50	6°D44	7°52'4	4°6'0	0°42'0	0°42'0	T 15
F 16	13 38 15	26°23'33	16°59'14	14°41'24	2°43'0	2°17°1	17°1'4	4°29'11	11°39'23	2°29°50	6°44'7	7°48'8	4°13'0	0°46'0	0°46'0	F 16
S 17	13 42 11	27°22'03	0°45'15	15°6'24	2°6'0	2°17°7	17°7'4	4°28'11	11°42'23	2°29°50	6°R44	7°45'8	4°20'0	0°49'0	0°49'0	S 17
S 18	13 46 8	28°20'32	14°11'15	15°26'23	2°29'0	2°17°14	17°14'4	4°28'11	11°44'23	2°29°50	6°43'7	7°42'8	4°26'0	0°53'0	0°53'0	S 18
M19	13 50 5	29°18'59	27°22'15	15°39'22	2°52'1	2°17°20	17°20'4	4°27'11	11°47'23	2°29°50	6°40'7	7°39'8	4°33'0	0°57'0	0°57'0	M19
T 20	13 54 1	0°17'24	10°18'18	15°47'22	2°17'13	2°17°27	17°27'4	4°27'11	11°50'23	2°29°51	6°34'7	7°36'8	4°40'0	1°1'0	1°1'0	T 20
W21	13 57 58	1°15'48	2°1'15	15°R49	2°1°43	2°17°34	17°34'4	4°26'11	11°53'23	2°29°51	6°26'7	7°32'8	4°46'0	1°5'0	1°5'0	W21
T 22	14 1 54	2°14'10	5°32'15	15°45'21	2°11'2	2°17°41	17°41'4	4°25'11	11°56'23	2°29°51	6°15'7	7°29'8	4°53'0	1°9'0	1°9'0	T 22
F 23	14 5 51	3°12'30	17°53'15	15°36'20	2°40'2	2°17°49	17°49'4	4°24'11	11°59'23	2°29°51	6°4'7	7°26'8	5°0'0	1°13'0	1°13'0	F 23
S 24	14 9 47	4°10'49	0°5'15	15°22'20	2°11'3	2°17°56	17°56'4	4°23'12	12°2'23	2°29°52	5°52'7	7°23'8	5°6'0	1°17'0	1°17'0	S 24
S 25	14 13 44	5°9'06	12°9'15	15°4'19	2°43'3	2°18°4	18°4'4	4°22'12	12°5'23	2°29°52	5°42'7	7°20'8	5°13'0	1°21'0	1°21'0	S 25
M26	14 17 40	6°7'21	24°5'14	14°41'19	1°18'4	2°18°11	18°11'4	4°21'12	12°8'23	2°29°52	5°33'7	7°17'8	5°20'0	1°25'0	1°25'0	M26
T 27	14 21 37	7°5'34	5°11'55	14°14'18	1°55'4	2°18°19	18°19'4	4°19'12	12°11'23	2°29°53	5°26'7	7°13'8	5°26'0	1°30'0	1°30'0	T 27
W28	14 25 34	8°3'46	17°42'13	14°44'18	1°34'5	2°18°27	18°27'4	4°18'12	12°14'23	2°29°53	5°22'7	7°10'8	5°33'0	1°34'0	1°34'0	W28
T 29	14 29 30	9°1'56	29°30'13	11°18'18	1°16'5	2°18°35	18°35'4	4°16'12	12°17'23	2°29°54	5°20'7	7°7'8	5°40'0	1°38'0	1°38'0	T 29
F 30	14 33 27	10°0'03	11°21'12	12°36'18	1°0'18	2°18°57	18°57'4	4°15'12	12°20'23	2°29°54	5°D20	7°3'8	5°46'0	1°43'0	1°43'0	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	4n38	24n39	1n28	11n42	1n18	19n19	7n24	23n51	2n40	23n 0	0n27	22s26	0n58	22n 9	0n 1	4s 4
F 2	5 1	23 53	0 27	12 30	1 30	19 13	7 25	23 46	2 38	23 0	0 27	22 26	0 58	22 9	0 1	4 4
S 3	5 24	22 2	0s37	13 15	1 40	19 5	7 25	23 40	2 37	22 59	0 27	22 26	0 58	22 10	0 1	4 3
S 4	5 47	19 7	1 40	13 59	1 51	18 57	7 25	23 35	2 35	22 59	0 27	22 26	0 58	22 10	0 1	4 2
M 5	6 10	15 16	2 40	14 40	2 1	18 46	7 23	23 30	2 34	22 58	0 27	22 26	0 58	22 10	0 1	4 1
T 6	6 32	10 35	3 34	15 18	2 10	18 34	7 21	23 24	2 32	22 58	0 27	22 26	0 58	22 11	0 1	4 0
W 7	6 55	5 16	4 17	15 54	2 19	18 21	7 19	23 19	2 31	22 57	0 27	22 26	0 58	22 11	0 1	3 59
T 8	7 17	0s28	4 47	16 27	2 27	18 6	7 15	23 13	2 29	22 56	0 27	22 26	0 58	22 11	0 1	3 59
F 9	7 40	6 21	5 1	16 57	2 34	17 50	7 10	23 8	2 28	22 56	0 27	22 26	0 58	22 12	0 1	3 58
S 10	8 2	12 1	4 55	17 24	2 40	17 33	7 5	23 2	2 26	22 55	0 27	22 26	0 58	22 12	0 1	3 57
S 11	8 24	17 5	4 29	17 48	2 46	17 14	6 59	22 56	2 25	22 55	0 27	22 26	0 58	22 12	0 1	3 56
M12	8 46	21 5	3 45	18 10	2 50	16 54	6 52	22 50	2 23	22 54	0 27	22 26	0 58	22 13	0 1	3 55
T 13	9 8	23 39	2 45	18 28	2 54	16 33	6 45	22 44	2 22	22 53	0 27	22 26	0 58	22 13	0 1	3 55
W14	9 29	24 34	1 35	18 43	2 56	16 11	6 36	22 38	2 20	22 52	0 27	22 26	0 58	22 14	0 1	3 54
T 15	9 51	23 47	0 20	18 56	2 57	15 49	6 27	22 31	2 19	22 52	0 27	22 26	0 58	22 14	0 1	3 53
F 16	10 12	21 30	0n54	19 5	2 57	15 25	6 17	22 25	2 18	22 51	0 27	22 26	0 58	22 14	0 1	3 52
S 17	10 33	18 0	2 4	19 12	2 56	15 2	6 6	22 18	2 16	22 50	0 27	22 26	0 58	22 15	0 1	3 51
S 18	10 54	13 39	3 5	19 15	2 53	14 37	5 55	22 12	2 15	22 49	0 27	22 26	0 58	22 15	0 1	3 51
M19	11 15	8 43	3 55	19 15	2 49	14 13	5 43	22 5	2 13	22 48	0 28	22 26	0 58	22 15	0 1	3 50
T 20	11 36	3 31	4 32	19 13	2 44	13 48	5 31	21 58	2 12	22 48	0 28	22 26	0 58	22 16	0 1	3 49
W21	11 56	1n44	4 55	19 7	2 38	13 23	5 18	21 51	2 11	22 47	0 28	22 26	0 58	22 16	0 1	3 49
T 22	12 16	6 50	5 3	18 58	2 30	12 59	5 5	21 44	2 9	22 46	0 28	22 26	0 58	22 17	0 1	3 48
F 23	12 36	11 36	4 57	18 47	2 21	12 35	4 51	21 37	2 8	22 45	0 28	22 26	0 58	22 17	0 1	3 47
S 24	12 56	15 50	4 37	18 33	2 11	12 11	4 38	21 30	2 7	22 44	0 28	22 26	0 58	22 17	0 1	3 47
S 25	13 16	19 23	4 5	18 17	1 59	11 47	4 24	21 23	2 5	22 43	0 28	22 26	0 58	22 18	0 1	3 46
M26	13 35	22 5	3 22	17 58	1 46	11 25	4 9	21 15	2 4	22 42	0 28	22 26	0 59	22 18	0 1	3 45
T 27	13 54	23 48	2 31	17 37	1 33	11 3	3 55	21 8	2 3	22 41	0 28	22 26	0 59	22 19	0 1	3 44
W28	14 13	24 27	1 33	17 14	1 18	10 41	3 41	21 0	2 2	22 40	0 28	22 26	0 59	22 19	0 1	3 44
T 29	14 32	24 0	0 31	16 49	1 2	10 21	3 26	20 52	2 0	22 39	0 28	22 26	0 59	22 19	0 1	3 43
F 30	14n50	22n27	0s32	16n23	0n46	10n 2	3n12	20n44	1n59	22n38	0n28	22s26	0n59	22n20	0n 1	3s43

Julian Day Number = 2339871.5, Delta T = 16.51 sec

Ecliptic obliquity = 23°28'46, Nutation = 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 20°28'20, Lahiri = 19°35'21Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1694

geocentric

MAY 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 37 23	10 ⁸ 58'09	23 ⁵ 21	12°R 0	17°R46	6 ⁰ 24	18 ⁵ 52	4°R13	12 ¹¹ 23	23 ¹¹ 30	29 ⁵ 55	5 ³ 21	7 ³ 1	5 ¹¹ 53	1 ⁵ 48	S 1
S 2	14 41 20	11°56'13	5 ⁰ 24	11 ⁸ 23	17 ¹¹ 34	6°52	19° 0	4 ³ 11	12°26	23°32	29°55	5°22	6°58	6° 0	1°52	S 2
M 3	14 45 16	12°54'15	18° 6	10°45	17°25	7°19	19° 9	4°10	12°29	23°34	29°56	5°R22	6°54	6° 6	1°57	M 3
T 4	14 49 13	13°52'15	1 ¹¹ 1	10° 9	17°19	7°47	19°17	4° 8	12°33	23°35	29°56	5°20	6°51	6°13	2° 2	T 4
W 5	14 53 9	14°50'13	14°24	9°33	17°15	8°15	19°26	4° 6	12°36	23°37	29°57	5°17	6°48	6°20	2° 6	W 5
T 6	14 57 6	15°48'09	28°15	8°59	17°D13	8°43	19°35	4° 3	12°39	23°38	29°57	5°12	6°45	6°26	2°11	T 6
F 7	15 1 3	16°46'03	12 ² 35	8°27	17°13	9°11	19°44	4° 1	12°42	23°40	29°58	5° 5	6°42	6°33	2°16	F 7
S 8	15 4 59	17°43'56	27°20	7°58	17°16	9°39	19°53	3°59	12°46	23°41	29°59	4°58	6°38	6°40	2°21	S 8
S 9	15 8 56	18°41'47	12 ¹¹ 23	7°33	17°22	10° 8	20° 2	3°57	12°49	23°43	29°59	4°51	6°35	6°46	2°26	S 9
M10	15 12 52	19°39'36	27°34	7°11	17°29	10°36	20°12	3°54	12°52	23°44	0 ⁰ 0	4°45	6°32	6°53	2°31	M10
T 11	15 16 49	20°37'25	12 ² 45	6°53	17°39	11° 5	20°21	3°52	12°56	23°46	0° 1	4°42	6°29	7° 0	2°36	T 11
W12	15 20 45	21°35'12	27°44	6°39	17°50	11°34	20°31	3°49	12°59	23°47	0° 2	4°D40	6°26	7° 6	2°41	W12
T 13	15 24 42	22°32'57	12 ³ 25	6°29	18° 4	12° 3	20°40	3°46	13° 2	23°49	0° 2	4°40	6°23	7°13	2°46	T 13
F 14	15 28 38	23°30'42	26°44	6°24	18°20	12°33	20°50	3°44	13° 6	23°50	0° 3	4°41	6°19	7°20	2°52	F 14
S 15	15 32 35	24°28'25	10 ² 38	6°D23	18°38	13° 2	21° 0	3°41	13° 9	23°51	0° 4	4°42	6°16	7°26	2°57	S 15
S 16	15 36 32	25°26'07	24° 8	6°27	18°57	13°32	21°10	3°38	13°13	23°53	0° 5	4°R43	6°13	7°33	3° 2	S 16
M17	15 40 28	26°23'49	7 ¹¹ 17	6°35	19°19	14° 2	21°20	3°35	13°16	23°54	0° 6	4°43	6°10	7°40	3° 7	M17
T 18	15 44 25	27°21'29	20° 6	6°48	19°42	14°32	21°30	3°32	13°19	23°55	0° 7	4°40	6° 7	7°46	3°13	T 18
W19	15 48 21	28°19'08	2 ¹¹ 39	7° 6	20° 7	15° 2	21°40	3°29	13°23	23°56	0° 8	4°37	6° 4	7°53	3°18	W19
T 20	15 52 18	29°16'46	14°58	7°27	20°33	15°32	21°50	3°25	13°26	23°58	0° 9	4°32	6° 0	8° 0	3°24	T 20
F 21	15 56 14	0 ¹¹ 14'23	27° 7	7°53	21° 1	16° 3	22° 1	3°22	13°30	23°59	0° 9	4°26	5°57	8° 6	3°29	F 21
S 22	16 0 11	1°11'59	9 ⁸ 8	8°24	21°31	16°33	22°11	3°19	13°33	24° 0	0°10	4°20	5°54	8°13	3°35	S 22
S 23	16 4 7	2° 9'34	21° 3	8°58	22° 2	17° 4	22°22	3°15	13°37	24° 1	0°11	4°14	5°51	8°20	3°40	S 23
M24	16 8 4	3° 7'08	2 ¹¹ 53	9°36	22°34	17°35	22°32	3°12	13°40	24° 2	0°13	4°10	5°48	8°26	3°46	M24
T 25	16 12 1	4° 4'41	14°41	10°19	23° 8	18° 6	22°43	3° 8	13°44	24° 3	0°14	4° 7	5°44	8°33	3°52	T 25
W26	16 15 57	5° 2'13	26°29	11° 5	23°43	18°37	22°54	3° 5	13°47	24° 4	0°15	4° 5	5°41	8°40	3°58	W26
T 27	16 19 54	5°59'44	8 ⁵ 19	11°54	24°19	19° 8	23° 5	3° 1	13°51	24° 5	0°16	4°D 5	5°38	8°46	4° 3	T 27
F 28	16 23 50	6°57'13	20°14	12°47	24°57	19°39	23°16	2°57	13°54	24° 6	0°17	4° 6	5°35	8°53	4° 9	F 28
S 29	16 27 47	7°54'41	2 ⁰ 18	13°44	25°35	20°11	23°27	2°54	13°58	24° 7	0°18	4° 7	5°32	9° 0	4°15	S 29
S 30	16 31 43	8°52'08	14°34	14°44	26°15	20°42	23°38	2°50	14° 2	24° 8	0°19	4° 9	5°29	9° 6	4°21	S 30
M31	16 35 40	9 ¹¹ 49'34	27 ⁰ 7	15 ⁸ 48	26 ¹¹ 55	21 ⁰ 14	23 ⁵ 49	2 ³ 46	14 ¹¹ 5	24 ¹¹ 9	0 ⁰ 20	4 ³ 10	5 ³ 25	9 ¹¹ 13	4 ⁵ 27	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	15n 9	19n53	1s35	15n56	0n29	9n43	2n58	20n36	1n58	22n37	0n28	22s26	0n59	22n20	0n 1	3s42	1s13	24n42	4n37	23s22	23s18	23n57	17n14	6s14	
S 2	15 27	16 24	2 35	15 28	0 12	9 26	2 44	20 28	1 57	22 35	0 28	22 26	0 59	22 21	0 1	3 41	1 13	24 42	4 36	23 22	23 18	23 57	17 14	6 14	
M 3	15 44	12 6	3 29	15 0	0s 5	9 10	2 30	20 20	1 55	22 34	0 28	22 26	0 59	22 21	0 1	3 41	1 13	24 42	4 36	23 22	23 18	23 58	17 15	6 13	
T 4	16 2	7 9	4 15	14 32	0 22	8 54	2 16	20 12	1 54	22 33	0 28	22 26	0 59	22 22	0 1	3 40	1 13	24 42	4 36	23 22	23 18	23 58	17 15	6 13	
W 5	16 19	1 44	4 48	14 4	0 40	8 40	2 3	20 3	1 53	22 32	0 28	22 26	0 59	22 22	0 1	3 39	1 13	24 42	4 36	23 22	23 18	23 59	17 15	6 13	
T 6	16 36	3s58	5 6	13 37	0 57	8 27	1 50	19 55	1 52	22 30	0 28	22 26	0 59	22 22	0 1	3 39	1 13	24 41	4 36	23 23	23 18	23 59	17 15	6 12	
F 7	16 52	9 40	5 5	13 11	1 13	8 16	1 37	19 46	1 51	22 29	0 28	22 27	0 59	22 23	0 1	3 38	1 13	24 41	4 36	23 23	23 19	23 59	17 16	6 12	
S 8	17 9	14 58	4 45	12 47	1 29	8 5	1 24	19 37	1 49	22 28	0 28	22 27	0 59	22 23	0 1	3 38	1 13	24 41	4 36	23 23	23 19	24 0	17 16	6 12	
S 9	17 25	19 28	4 5	12 24	1 45	7 56	1 11	19 28	1 48	22 27	0 28	22 27	0 59	22 24	0 1	3 37	1 13	24 41	4 36	23 23	23 19	24 0	17 16	6 11	
M10	17 41	22 41	3 7	12 3	1 59	7 47	0 59	19 19	1 47	22 25	0 28	22 27	0 59	22 24	0 1	3 37	1 13	24 41	4 36	23 24	23 19	24 1	17 16	6 11	
T 11	17 56	24 17	1 56	11 44	2 13	7 40	0 48	19 10	1 46	22 24	0 28	22 27	0 59	22 25	0 1	3 36	1 13	24 40	4 36	23 24	23 19	24 1	17 16	6 11	
W12	18 11	24 5	0 38	11 28	2 26	7 34	0 36	19 1	1 45	22 22	0 28	22 27	0 59	22 25	0 1	3 36	1 13	24 40	4 36	23 24	23 19	24 1	17 17	6 11	
T 13	18 26	22 12	0n42	11 14	2 37	7 29	0 25	18 52	1 44	22 21	0 28	22 27	0 59	22 25	0 1	3 35	1 13	24 40	4 36	23 24	23 20	24 2	17 17	6 10	
F 14	18 41	18 56	1 57	11 2	2 48	7 25	0 14	18 43	1 43	22 20	0 28	22 27	0 59	22 26	0 1	3 35	1 13	24 40	4 36	23 24	23 20	24 2	17 17	6 10	
S 15	18 55	14 40	3 3	10 52	2 58	7 22	0 4	18 33	1 41	22 18	0 28	22 27	0 59	22 26	0 1	3 34	1 13	24 40	4 36	23 24	23 20	24 2	17 17	6 10	
S 16	19 9	9 46	3 57	10 45	3 7	7 20	0s 6	18 23	1 40	22 17	0 28	22 27	0 58	22 27	0 1	3 34	1 13	24 39	4 36	23 24	23 20	24 3	17 17	6 10	
M17	19 23	4 34	4 36	10 41	3 14	7 19	0 16	18 14	1 39	22 15	0 28	22 27	0 58	22 27	0 1	3 33	1 14	24 39	4 36	23 24	23 20	24 3	17 17	6 9	
T 18	19 36	0n41	5 1	10 39	3 21	7 20	0 25	18 4	1 38	22 13	0 28	22 27	0 58	22 28	0 1	3 33	1 14	24 39	4 36	23 24	23 20	24 3	17 17	6 9	
W19	19 49	5 48	5 11	10 39	3 26	7 20	0 35	17 54	1 37	22 12	0 28	22 28	0 58	22 28	0 1	3 32	1 14	24 39	4 36	23 24	23 20	24 4	17 18	6 9	
T 20	20 2	10 36	5 6	10 42	3 31	7 22	0 43	17 44	1 36	22 10	0 28	22 28	0 58	22 28	0 1	3 32	1 14	24 38	4 36	23 24	23 21	24 4	17 18	6 9	
F 21	20 14	14 56	4 47	10 47	3 35	7 25	0 52	17 34	1 35	22 9	0 28	22 28	0 58	22 29	0 1	3 31	1 14	24 38	4 36	23 24	23 21	24 4	17 18	6 8	
S 22	20 26	18 36	4 16	10 54	3 37	7 28	1 0	17 24	1 34	22 7	0 28	22 28	0 58	22 29	0 1	3 31	1 14	24 38	4 36	23 24	23 21	24 5	17 18	6 8	
S 23	20 38	21 29	3 34	11 3	3 39	7 33	1 8	17 13	1 33	22 5	0 28	22 28	0 58	22 30	0 1	3 31	1 14	24 38	4 36	23 25	23 21	24 5	17 18	6 8	
M24	20 49	23 26	2 43	11 14	3 40	7 38	1 15	17 3	1 32	22 4	0 28	22 28	0 58	22 30	0 1	3 30	1 14	24 37	4 36	23 25	23 21	24 5	17 18	6 8	
T 25	21 0	24 20	1 44	11 27	3 40	7 43	1 23	16 52	1 31	22 2	0 29	22 28	0 58	22 31	0 1	3 30	1 14	24 37	4 35	23 25	23 21	24 6	17 18	6 7	
W26	21 10	24 8	0 42	11 42	3 39	7 50	1 30	16 42	1 30	22 0	0 29	22 28	0 58	22 31	0 1	3 29	1 14	24 37	4 35	23 25	23 21	24 6	17 18	6 7	
T 27	21 21	22 50	0s23	11 59	3 37	7 57	1 36	16 31	1 29	21 58	0 29	22 28	0 58	22 31	0 1	3 29	1 14	24 37	4 35	23 25	23 22	24 6	17 18	6 7	
F 28	21 30	20 30	1 28	12 18	3 35	8 5	1 43	16 20	1 28	21 56	0 29	22 29	0 58	22 32	0 1	3 29	1 14	24 36	4 35	23 25	23 22	24 6	17 18	6 7	
S 29	21 40	17 16	2 29	12 37	3 31	8 13	1 49	16 9	1 27	21 55	0 29	22 29	0 58	22 32	0 1	3 28	1 14	24 36	4 35	23 25	23 22	24 7	17 18	6 7	
S 30	21 49	13 13	3 25	12 59	3 27	8 22	1 55	15 58	1 26	21 53	0 29	22 29	0 58	22 33	0 1	3 28	1 14	24 36	4 35	23 25	23 22	24 7	17 18	6 7	
M31	21n58	8n33	4s12	13n21	3s23	8n31	2s 0	15n47	1n25	21n51	0n29	22s29	0n58	22n33	0n 1	3s28	1s14	24n35	4n35	23s25	23s22	24n 7	17n18	6s 7	

ASTRODIENST EPHEMERIS for the year 1694

geocentric

JUNE 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	16 39 36	10II46'59	10III 0	16III45	27VII37	21II46	24II 1	2°R42	14II 9	24II10	0II21	4°R11	5III22	9II20	4III32	T 1
W 2	16 43 33	11°44'22	23°17	18° 4	28°20	22°18	24°12	2°38	14°12	24°11	0°23	4°10	5°19	9°26	4°38	W 2
T 3	16 47 30	12°41'44	7II 1	19°17	29° 3	22°50	24°23	2°34	14°16	24°11	0°24	4° 9	5°16	9°33	4°44	T 3
F 4	16 51 26	13°39'05	21°11	20°33	29°48	23°22	24°35	2°30	14°19	24°12	0°25	4° 7	5°13	9°40	4°50	F 4
S 5	16 55 23	14°36'26	5III47	21°53	0III33	23°54	24°46	2°26	14°23	24°13	0°26	4° 4	5°10	9°46	4°56	S 5
S 6	16 59 19	15°33'45	20°44	23°15	1°19	24°27	24°58	2°22	14°26	24°14	0°28	4° 2	5° 6	9°53	5° 2	S 6
M 7	17 3 16	16°31'03	5II53	24°40	2° 6	24°59	25°10	2°18	14°30	24°14	0°29	4° 0	5° 3	10° 0	5° 8	M 7
T 8	17 7 12	17°28'21	21° 6	26° 8	2°54	25°32	25°21	2°14	14°34	24°15	0°30	3°59	5° 0	10° 6	5°14	T 8
W 9	17 11 9	18°25'38	6III13	27°39	3°43	26° 5	25°33	2° 9	14°37	24°15	0°32	3°D59	4°57	10°13	5°21	W 9
T 10	17 15 5	19°22'55	21° 5	29°13	4°32	26°38	25°45	2° 5	14°41	24°16	0°33	3°59	4°54	10°20	5°27	T 10
F 11	17 19 2	20°20'11	5III36	0II50	5°22	27°11	25°57	2° 1	14°44	24°17	0°34	4° 0	4°50	10°26	5°33	F 11
S 12	17 22 59	21°17'26	19°41	2°29	6°13	27°44	26° 9	1°57	14°48	24°17	0°36	4° 1	4°47	10°33	5°39	S 12
S 13	17 26 55	22°14'42	3II20	4°12	7° 4	28°17	26°21	1°52	14°51	24°17	0°37	4° 2	4°44	10°40	5°45	S 13
M14	17 30 52	23°11'57	16°34	5°57	7°56	28°50	26°33	1°48	14°55	24°18	0°38	4° 2	4°41	10°46	5°51	M14
T 15	17 34 48	24° 9'11	29°24	7°45	8°48	29°23	26°45	1°44	14°58	24°18	0°40	4°R 2	4°38	10°53	5°58	T 15
W16	17 38 45	25° 6'26	11II54	9°36	9°41	29°57	26°57	1°39	15° 2	24°19	0°41	4° 2	4°35	11° 0	6° 4	W16
T 17	17 42 41	26° 3'41	24° 9	11°29	10°35	0III30	27° 9	1°35	15° 5	24°19	0°43	4° 1	4°31	11° 6	6°10	T 17
F 18	17 46 38	27° 0'55	6III12	13°25	11°29	1° 4	27°22	1°31	15° 9	24°19	0°44	4° 0	4°28	11°13	6°16	F 18
S 19	17 50 34	27°58'09	18° 6	15°23	12°24	1°38	27°34	1°26	15°12	24°20	0°46	3°59	4°25	11°20	6°23	S 19
S 20	17 54 31	28°55'23	29°56	17°24	13°19	2°12	27°46	1°22	15°16	24°20	0°47	3°59	4°22	11°26	6°29	S 20
M21	17 58 28	29°52'37	11II43	19°26	14°15	2°46	27°59	1°17	15°19	24°20	0°49	3°58	4°19	11°33	6°35	M21
T 22	18 2 24	0II49'51	23°32	21°31	15°11	3°20	28°11	1°13	15°23	24°20	0°50	3°58	4°16	11°40	6°41	T 22
W23	18 6 21	1°47'05	5III23	23°37	16° 8	3°54	28°24	1° 8	15°26	24°20	0°52	3°D58	4°12	11°46	6°48	W23
T 24	18 10 17	2°44'18	17°20	25°45	17° 5	4°28	28°36	1° 4	15°30	24°20	0°53	3°58	4° 9	11°53	6°54	T 24
F 25	18 14 14	3°41'31	29°24	27°54	18° 2	5° 2	28°49	1° 0	15°33	24°21	0°55	3°R58	4° 6	11°59	7° 0	F 25
S 26	18 18 10	4°38'44	11II38	0II 3	19° 0	5°37	29° 2	0°55	15°37	24°21	0°56	3°58	4° 3	12° 6	7° 7	S 26
S 27	18 22 7	5°35'57	24° 4	2°13	19°58	6°11	29°14	0°51	15°40	24°R21	0°58	3°58	4° 0	12°13	7°13	S 27
M28	18 26 3	6°33'09	6III45	4°24	20°57	6°46	29°27	0°46	15°43	24°21	1° 0	3°58	3°56	12°19	7°19	M28
T 29	18 30 0	7°30'21	19°42	6°35	21°56	7°21	29°40	0°42	15°47	24°20	1° 1	3°57	3°53	12°26	7°26	T 29
W30	18 33 57	8°27'33	2II59	8°45	22°55	7III55	29°52	0°38	15°50	24°II20	1° 3	3°D57	3°50	12°33	7°32	W30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	22n 6	3n23	4s48	13n45	3s18	8n41	2s 6	15n36	1n24	21n49	0n29	22s29	0n58	22n34	0n 1	T 1
W 2	22 14	2s 4	5 10	14 10	3 12	8 52	2 11	15 24	1 23	21 47	0 29	22 29	0 58	22 34	0 1	W 2
T 3	22 21	7 36	5 15	14 36	3 5	9 3	2 15	15 13	1 22	21 45	0 29	22 29	0 58	22 34	0 2	T 3
F 4	22 29	12 56	5 2	15 3	2 58	9 14	2 20	15 1	1 21	21 43	0 29	22 29	0 58	22 35	0 2	F 4
S 5	22 35	17 41	4 29	15 31	2 50	9 26	2 24	14 50	1 20	21 41	0 29	22 30	0 58	22 35	0 2	S 5
S 6	22 42	21 27	3 37	16 0	2 42	9 38	2 28	14 38	1 19	21 39	0 29	22 30	0 58	22 36	0 2	S 6
M 7	22 48	23 46	2 29	16 29	2 34	9 51	2 32	14 26	1 18	21 37	0 29	22 30	0 58	22 36	0 2	M 7
T 8	22 53	24 21	1 11	16 59	2 25	10 4	2 36	14 14	1 17	21 35	0 29	22 30	0 58	22 37	0 2	T 8
W 9	22 58	23 8	0n12	17 29	2 15	10 17	2 39	14 2	1 16	21 33	0 29	22 30	0 58	22 37	0 2	W 9
T 10	23 3	20 17	1 33	17 59	2 5	10 30	2 42	13 50	1 15	21 30	0 29	22 30	0 58	22 37	0 2	T 10
F 11	23 8	16 13	2 46	18 29	1 55	10 44	2 45	13 38	1 14	21 28	0 29	22 30	0 58	22 38	0 2	F 11
S 12	23 12	11 20	3 47	18 59	1 44	10 58	2 48	13 26	1 13	21 26	0 29	22 30	0 57	22 38	0 2	S 12
S 13	23 15	6 3	4 33	19 29	1 33	11 12	2 51	13 13	1 12	21 24	0 29	22 31	0 57	22 39	0 2	S 13
M14	23 18	0 40	5 3	19 59	1 22	11 27	2 53	13 1	1 11	21 22	0 29	22 31	0 57	22 39	0 2	M14
T 15	23 21	4n36	5 16	20 28	1 11	11 42	2 55	12 48	1 10	21 19	0 29	22 31	0 57	22 39	0 2	T 15
W16	23 23	9 32	5 14	20 57	0 59	11 56	2 57	12 36	1 10	21 17	0 29	22 31	0 57	22 40	0 2	W16
T 17	23 25	13 59	4 58	21 24	0 48	12 11	2 59	12 23	1 9	21 15	0 29	22 31	0 57	22 40	0 2	T 17
F 18	23 27	17 50	4 29	21 54	0 36	12 26	3 1	12 10	1 8	21 12	0 30	22 31	0 57	22 41	0 2	F 18
S 19	23 28	20 54	3 48	22 16	0 25	12 42	3 2	11 57	1 7	21 10	0 30	22 31	0 57	22 41	0 2	S 19
S 20	23 28	23 4	2 58	22 40	0 13	12 57	3 3	11 44	1 6	21 7	0 30	22 31	0 57	22 41	0 2	S 20
M21	23 29	24 13	2 0	23 1	0 2	13 12	3 4	11 31	1 5	21 5	0 30	22 32	0 57	22 42	0 2	M21
T 22	23 29	24 17	0 58	23 21	0n 9	13 28	3 5	11 18	1 4	21 3	0 30	22 32	0 57	22 42	0 2	T 22
W23	23 28	23 14	0s 8	23 39	0 20	13 43	3 6	11 5	1 3	21 0	0 30	22 32	0 57	22 43	0 2	W23
T 24	23 27	21 8	1 14	23 55	0 30	13 59	3 7	10 51	1 2	20 58	0 30	22 32	0 57	22 43	0 2	T 24
F 25	23 26	18 5	2 17	24 8	0 40	14 14	3 7	10 38	1 2	20 55	0 30	22 32	0 57	22 43	0 2	F 25
S 26	23 24	14 12	3 14	24 18	0 49	14 30	3 7	10 25	1 1	20 53	0 30	22 32	0 56	22 44	0 2	S 26
S 27	23 22	9 41	4 4	24 26	0 58	14 45	3 8	10 11	1 0	20 50	0 30	22 32	0 56	22 44	0 2	S 27
M28	23 19	4 40	4 43	24 31	1 7	15 0	3 8	9 57	0 59	20 47	0 30	22 32	0 56	22 44	0 2	M28
T 29	23 16	0s38	5 8	24 33	1 14	15 16	3 7	9 44	0 58	20 45	0 30	22 32	0 56	22 45	0 2	T 29
W30	23n13	6s 2	5s18	24n32	1n21	15n31	3s 7	9n30	0n57	20n42	0n30	22s33	0n56	22n45	0n 2	W30

Julian Day Number = 2339932.5, Delta T = 16.44 sec

Ecliptic obliquity = 23°28'45", Nutation = 0°00'16", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 20°28'28", Lahiri = 19°35'29"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1694
geocentric

JULY 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	18 37 53	9 ⁵⁵ 24'44"	16 ⁵² 37	10 ⁵⁵ 55	23 ⁸ 55	8 ¹¹ 30	0 ⁵⁰ 5	0°R33	15 ¹¹ 53	24°R20	1 ⁵⁰ 4	3 ⁵⁷ 57	3 ⁴⁷ 47	12 ¹¹ 39	7 ⁵³ 38	T 1
F 2	18 41 50	10°21'55"	0 ¹¹ 36	13° 4	24°55	9° 5	0°18	0 ⁵² 29	15°57	24 ¹¹ 20	1° 6	3°58	3°44	12°46	7°45	F 2
S 3	18 45 46	11°19'06"	14°57	15°12	25°55	9°40	0°31	0°25	16° 0	24°20	1° 8	3°58	3°41	12°53	7°51	S 3
S 4	18 49 43	12°16'17"	29°37	17°19	26°55	10°15	0°44	0°20	16° 3	24°20	1° 9	3°59	3°37	12°59	7°57	S 4
M 5	18 53 39	13°13'28"	14 ¹⁷ 30	19°25	27°56	10°50	0°57	0°16	16° 7	24°19	1°11	3°59	3°34	13° 6	8° 4	M 5
T 6	18 57 36	14°10'39"	29°30	21°29	28°58	11°26	1°10	0°12	16°10	24°19	1°12	4°R 0	3°31	13°13	8°10	T 6
W 7	19 1 33	15° 7'51"	14 ⁵³ 30	23°32	29°59	12° 1	1°23	0° 8	16°13	24°19	1°14	4° 0	3°28	13°19	8°16	W 7
T 8	19 5 29	16° 5'02"	29°20	25°33	1 ¹¹ 1	12°36	1°36	0° 4	16°16	24°19	1°16	3°59	3°25	13°26	8°23	T 8
F 9	19 9 26	17° 2'14"	13 ⁵⁵ 53	27°32	2° 3	13°12	1°49	29 ¹⁷ 59	16°19	24°18	1°17	3°58	3°22	13°33	8°29	F 9
S 10	19 13 22	17°59'26"	28° 5	29°30	3° 5	13°47	2° 2	29°55	16°23	24°18	1°19	3°56	3°18	13°39	8°35	S 10
S 11	19 17 19	18°56'38"	11 ¹¹ 50	1 ⁵⁰ 26	4° 8	14°23	2°15	29°51	16°26	24°17	1°21	3°54	3°15	13°46	8°42	S 11
M 12	19 21 15	19°53'52"	25° 9	3°20	5°11	14°59	2°28	29°47	16°29	24°17	1°23	3°53	3°12	13°53	8°48	M 12
T 13	19 25 12	20°51'05"	8 ¹⁷ 4	5°13	6°14	15°35	2°41	29°43	16°32	24°16	1°24	3°51	3° 9	13°59	8°54	T 13
W 14	19 29 8	21°48'20"	20°36	7° 3	7°18	16°11	2°54	29°39	16°35	24°16	1°26	3°D51	3° 6	14° 6	9° 0	W 14
T 15	19 33 5	22°45'35"	2 ⁵¹ 51	8°52	8°21	16°47	3° 7	29°35	16°38	24°15	1°28	3°51	3° 2	14°13	9° 7	T 15
F 16	19 37 2	23°42'52"	14°52	10°39	9°25	17°23	3°20	29°32	16°41	24°15	1°29	3°52	2°59	14°19	9°13	F 16
S 17	19 40 58	24°40'09"	26°44	12°24	10°29	17°59	3°33	29°28	16°44	24°14	1°31	3°54	2°56	14°26	9°19	S 17
S 18	19 44 55	25°37'26"	8 ¹¹ 32	14° 8	11°33	18°35	3°47	29°24	16°47	24°13	1°33	3°55	2°53	14°33	9°25	S 18
M 19	19 48 51	26°34'45"	20°20	15°49	12°38	19°11	4° 0	29°20	16°50	24°13	1°34	3°57	2°50	14°39	9°32	M 19
T 20	19 52 48	27°32'05"	2 ⁵¹ 11	17°29	13°43	19°48	4°13	29°17	16°53	24°12	1°36	3°R57	2°47	14°46	9°38	T 20
W 21	19 56 44	28°29'25"	14° 9	19° 7	14°48	20°24	4°26	29°13	16°56	24°11	1°38	3°57	2°43	14°52	9°44	W 21
T 22	20 0 41	29°26'46"	26°17	20°43	15°53	21° 1	4°40	29°10	16°59	24°10	1°40	3°55	2°40	14°59	9°50	T 22
F 23	20 4 37	0 ⁵⁰ 24'08"	8 ⁵⁰ 34	22°17	16°58	21°37	4°53	29° 6	17° 1	24°10	1°41	3°52	2°37	15° 6	9°56	F 23
S 24	20 8 34	1°21'30"	21° 4	23°50	18° 4	22°14	5° 6	29° 3	17° 4	24° 9	1°43	3°49	2°34	15°12	10° 2	S 24
S 25	20 12 31	2°18'53"	3 ¹¹ 47	25°21	19° 9	22°51	5°19	28°59	17° 7	24° 8	1°45	3°44	2°31	15°19	10° 8	S 25
M 26	20 16 27	3°16'17"	16°44	26°50	20°15	23°27	5°32	28°56	17°10	24° 7	1°46	3°40	2°28	15°26	10°14	M 26
T 27	20 20 24	4°13'41"	29°54	28°17	21°21	24° 4	5°46	28°53	17°12	24° 6	1°48	3°35	2°24	15°32	10°20	T 27
W 28	20 24 20	5°11'06"	13 ⁵¹ 19	29°42	22°27	24°41	5°59	28°50	17°15	24° 5	1°50	3°32	2°21	15°39	10°26	W 28
T 29	20 28 17	6° 8'32"	26°58	1 ¹¹ 6	23°34	25°18	6°12	28°47	17°18	24° 4	1°52	3°31	2°18	15°46	10°32	T 29
F 30	20 32 13	7° 5'58"	10 ¹¹ 52	2°27	24°40	25°55	6°25	28°44	17°20	24° 3	1°53	3°D31	2°15	15°52	10°38	F 30
S 31	20 36 10	8 ⁵⁰ 3'25"	25 ¹¹ 1	3 ¹¹ 46	25 ¹¹ 47	26 ¹¹ 33	6 ⁵⁰ 39	28 ¹⁷ 41	17 ¹¹ 23	24 ¹¹ 2	1 ⁵⁰ 55	3 ⁵³ 31	2 ⁵³ 12	15 ¹¹ 59	10 ⁵⁰ 44	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	23n 9	11s18	5s10	24n29	1n27	15n46	3s 7	9n16	0n56	20n39	0n30	22s33	0n56	22n46	0n 2	3s 25
F 2	23 4	16 8	4 44	24 23	1 33	16 1	3 6	9 2	0 56	20 37	0 30	22 33	0 56	22 46	0 2	3 25
S 3	23 0	20 10	4 0	24 14	1 38	16 16	3 6	8 48	0 55	20 34	0 30	22 33	0 56	22 46	0 2	3 25
S 4	22 55	23 1	3 0	24 2	1 42	16 30	3 5	8 34	0 54	20 31	0 30	22 33	0 56	22 47	0 2	3 25
M 5	22 49	24 20	1 46	23 48	1 45	16 45	3 4	8 20	0 53	20 29	0 30	22 33	0 56	22 47	0 2	3 25
T 6	22 43	23 54	0 25	23 32	1 47	16 59	3 3	8 6	0 52	20 26	0 30	22 33	0 55	22 47	0 2	3 25
W 7	22 37	21 44	0n58	23 13	1 49	17 13	3 2	7 51	0 51	20 23	0 31	22 33	0 55	22 48	0 2	3 25
T 8	22 31	18 6	2 16	22 52	1 50	17 27	3 0	7 37	0 51	20 20	0 31	22 34	0 55	22 48	0 2	3 26
F 9	22 23	13 26	3 24	22 30	1 50	17 41	2 59	7 23	0 50	20 17	0 31	22 34	0 55	22 48	0 2	3 26
S 10	22 16	8 9	4 17	22 5	1 50	17 54	2 58	7 8	0 49	20 14	0 31	22 34	0 55	22 49	0 2	3 26
S 11	22 8	2 37	4 53	21 39	1 49	18 8	2 56	6 54	0 48	20 12	0 31	22 34	0 55	22 49	0 2	3 26
M 12	22 0	2n51	5 13	21 11	1 48	18 20	2 54	6 39	0 47	20 9	0 31	22 34	0 55	22 49	0 2	3 27
T 13	21 52	8 2	5 16	20 42	1 45	18 33	2 53	6 25	0 46	20 6	0 31	22 34	0 55	22 50	0 2	3 27
W 14	21 43	12 44	5 3	20 12	1 43	18 45	2 51	6 10	0 46	20 3	0 31	22 34	0 55	22 50	0 2	3 27
T 15	21 33	16 49	4 37	19 40	1 39	18 57	2 49	5 55	0 45	20 0	0 31	22 34	0 54	22 50	0 2	3 27
F 16	21 24	20 8	3 59	19 7	1 35	19 9	2 47	5 40	0 44	19 57	0 31	22 34	0 54	22 51	0 2	3 28
S 17	21 14	22 33	3 11	18 34	1 31	19 21	2 44	5 25	0 43	19 54	0 31	22 34	0 54	22 51	0 2	3 28
S 18	21 3	24 0	2 16	17 59	1 26	19 32	2 42	5 10	0 42	19 51	0 31	22 35	0 54	22 51	0 2	3 28
M 19	20 52	24 22	1 14	17 24	1 21	19 42	2 40	4 56	0 42	19 48	0 31	22 35	0 54	22 52	0 2	3 28
T 20	20 41	23 37	0 10	16 49	1 15	19 53	2 38	4 40	0 41	19 45	0 31	22 35	0 54	22 52	0 2	3 29
W 21	20 30	21 48	0s56	16 12	1 9	20 3	2 35	4 25	0 40	19 42	0 32	22 35	0 54	22 52	0 2	3 29
T 22	20 18	18 58	2 0	15 36	1 2	20 12	2 33	4 10	0 39	19 38	0 32	22 35	0 54	22 52	0 2	3 29
F 23	20 6	15 16	2 59	14 58	0 55	20 21	2 30	3 55	0 39	19 35	0 32	22 35	0 53	22 53	0 2	3 30
S 24	19 53	10 51	3 50	14 21	0 48	20 30	2 27	3 40	0 38	19 32	0 32	22 35	0 53	22 53	0 2	3 30
S 25	19 41	5 55	4 31	13 43	0 40	20 38	2 24	3 25	0 37	19 29	0 32	22 35	0 53	22 53	0 2	3 31
M 26	19 27	0 39	4 59	13 6	0 32	20 46	2 22	3 9	0 36	19 26	0 32	22 35	0 53	22 54	0 2	3 31
T 27	19 14	4s44	5 12	12 28	0 24	20 53	2 19	2 54	0 35	19 23	0 32	22 36	0 53	22 54	0 2	3 31
W 28	19 0	5 8	5 11	11 50	0 15	21 0	2 16	2 39	0 35	19 20	0 32	22 36	0 53	22 54	0 2	3 32
T 29	18 46	14 52	4 47	11 12	0 6	21 7	2 13	2 23	0 34	19 16	0 32	22 36	0 53	22 54	0 2	3 32
F 30	18 32	19 3	4 9	10 34	0s 3	21 13	2 10	2 8	0 33	19 13	0 32	22 36	0 52	22 55	0 2	3 33
S 31	18n17	22s12	3s15	9n57	0s12	21n18	2s 7	1n52	0n32	19n10	0n32	22s36	0n52	22n55	0n 2	3s33

Julian Day Number = 2339962.5, Delta T = 16.40 sec
Ecliptic obliquity = 23°28'45", Nutation = 0°00'17", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°28'33", Lahiri = 19°35'33"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1694
geocentric

AUGUST 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	20 40 6	9♌ 0'53	9♌ 22	5♍ 4	26♊ 54	27♍ 10	6♌ 52	28°R38	17♊ 25	24°R 1	1♌ 57	3♌ 33	2♌ 8	16♊ 6	10♌ 50	S 1
M 2	20 44 3	9°58'21	23°53	6°19	28° 1	27°47	7° 5	28°R35	17°28	24°R 0	1°59	3°34	2° 5	16°12	10°56	M 2
T 3	20 48 0	10°55'51	8♌ 31	7°33	29° 8	28°25	7°18	28°33	17°30	23°59	2° 0	3°R34	2° 2	16°19	11° 2	T 3
W 4	20 51 56	11°53'21	23°10	8°44	0♌ 15	29° 2	7°32	28°30	17°33	23°58	2° 2	3°33	1°59	16°26	11° 8	W 4
T 5	20 55 53	12°50'52	7♌ 44	9°53	1°23	29°40	7°45	28°27	17°35	23°57	2° 4	3°30	1°56	16°32	11°14	T 5
F 6	20 59 49	13°48'24	22° 7	10°59	2°30	0♌ 17	7°58	28°25	17°37	23°56	2° 5	3°25	1°53	16°39	11°19	F 6
S 7	21 3 46	14°45'58	6♌ 13	12° 3	3°38	0°55	8°11	28°23	17°40	23°55	2° 7	3°18	1°49	16°46	11°25	S 7
S 8	21 7 42	15°43'32	19°57	13° 5	4°46	1°33	8°24	28°20	17°42	23°53	2° 9	3°12	1°46	16°52	11°31	S 8
M 9	21 11 39	16°41'08	3♌ 17	14° 4	5°54	2°10	8°38	28°18	17°44	23°52	2°10	3° 5	1°43	16°59	11°36	M 9
T 10	21 15 35	17°38'46	16°13	15° 0	7° 2	2°48	8°51	28°16	17°46	23°51	2°12	3° 0	1°40	17° 6	11°42	T 10
W 11	21 19 32	18°36'25	28°47	15°53	8°10	3°26	9° 4	28°14	17°48	23°50	2°14	2°56	1°37	17°12	11°47	W 11
T 12	21 23 29	19°34'06	11♌ 3	16°43	9°19	4° 4	9°17	28°12	17°51	23°48	2°15	2°54	1°34	17°19	11°53	T 12
F 13	21 27 25	20°31'48	23° 4	17°30	10°28	4°42	9°30	28°10	17°53	23°47	2°17	2°D53	1°30	17°25	11°58	F 13
S 14	21 31 22	21°29'32	4♌ 57	18°14	11°36	5°21	9°43	28° 8	17°55	23°46	2°19	2°54	1°27	17°32	12° 4	S 14
S 15	21 35 18	22°27'17	16°45	18°53	12°45	5°59	9°56	28° 7	17°57	23°44	2°20	2°56	1°24	17°39	12° 9	S 15
M 16	21 39 15	23°25'04	28°34	19°29	13°54	6°37	10° 9	28° 5	17°59	23°43	2°22	2°R56	1°21	17°45	12°15	M 16
T 17	21 43 11	24°22'53	10♌ 29	20° 1	15° 3	7°16	10°22	28° 4	18° 0	23°42	2°24	2°56	1°18	17°52	12°20	T 17
W 18	21 47 8	25°20'44	22°34	20°29	16°12	7°54	10°35	28° 2	18° 2	23°40	2°25	2°54	1°14	17°59	12°25	W 18
T 19	21 51 4	26°18'36	4♌ 52	20°52	17°22	8°33	10°48	28° 1	18° 4	23°39	2°27	2°50	1°11	18° 5	12°30	T 19
F 20	21 55 1	27°16'29	17°25	21°10	18°31	9°11	11° 1	28° 0	18° 6	23°37	2°28	2°43	1° 8	18°12	12°36	F 20
S 21	21 58 58	28°14'24	0♌ 14	21°23	19°41	9°50	11°14	27°58	18° 8	23°36	2°30	2°35	1° 5	18°19	12°41	S 21
S 22	22 2 54	29°12'21	13°19	21°31	20°51	10°29	11°27	27°57	18° 9	23°34	2°32	2°25	1° 2	18°25	12°46	S 22
M 23	22 6 51	0♌ 10'19	26°38	21°R34	22° 0	11° 7	11°40	27°56	18°11	23°33	2°33	2°16	0°59	18°32	12°51	M 23
T 24	22 10 47	1° 8'19	10♌ 10	21°30	23°10	11°46	11°53	27°56	18°12	23°31	2°35	2° 7	0°55	18°39	12°56	T 24
W 25	22 14 44	2° 6'19	23°53	21°21	24°20	12°25	12° 6	27°55	18°14	23°30	2°36	1°59	0°52	18°45	13° 1	W 25
T 26	22 18 40	3° 4'22	7♌ 44	21° 5	25°31	13° 4	12°19	27°54	18°15	23°28	2°38	1°54	0°49	18°52	13° 6	T 26
F 27	22 22 37	4° 2'26	21°42	20°43	26°41	13°43	12°31	27°54	18°17	23°27	2°39	1°52	0°46	18°59	13°10	F 27
S 28	22 26 33	5° 0'31	5♌ 46	20°15	27°51	14°22	12°44	27°53	18°18	23°25	2°41	1°D51	0°43	19° 5	13°15	S 28
S 29	22 30 30	5°58'37	19°55	19°41	29° 2	15° 2	12°57	27°53	18°20	23°24	2°42	1°52	0°39	19°12	13°20	S 29
M 30	22 34 27	6°56'45	4♌ 8	19° 2	0♌ 12	15°41	13° 9	27°53	18°21	23°22	2°44	1°R52	0°36	19°18	13°24	M 30
T 31	22 38 23	7♌ 54'55	18♌ 22	18♌ 16	1♌ 23	16♌ 20	13♌ 22	27♌ 52	18♌ 22	23♌ 21	2♌ 45	1♌ 51	0♌ 33	19♌ 25	13♌ 29	T 31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	18n 2	24s 0	2s 8	9n20	0s22	21n23	2s 4	1n37	0n32	19n 7	0n32	22s36	0n52	22n55	0n 2	3s33	1s17	24n15	4n37	23s26	23s28	24n10	16n52	6s11					
M 2	17 47	24 13	0 53	8 43	0 32	21 27	2 0	1 21	0 31	19 3	0 32	22 36	0 52	22 55	0 2	3 34	1 17	24 15	4 37	23 26	23 28	24 10	16 52	6 11					
T 3	17 31	22 45	0n27	8 6	0 42	21 31	1 57	1 6	0 30	19 0	0 33	22 36	0 52	22 56	0 2	3 34	1 17	24 15	4 37	23 26	23 28	24 10	16 51	6 11					
W 4	17 15	19 46	1 45	7 30	0 52	21 35	1 54	0 50	0 29	18 57	0 33	22 36	0 52	22 56	0 2	3 35	1 17	24 14	4 37	23 26	23 28	24 10	16 50	6 12					
T 5	16 59	15 33	2 55	6 55	1 2	21 38	1 51	0 34	0 29	18 53	0 33	22 37	0 52	22 56	0 2	3 35	1 17	24 14	4 37	23 26	23 28	24 10	16 49	6 12					
F 6	16 43	10 29	3 53	6 20	1 13	21 40	1 47	0 19	0 28	18 50	0 33	22 37	0 51	22 56	0 2	3 36	1 17	24 14	4 37	23 26	23 28	24 9	16 49	6 12					
S 7	16 26	4 58	4 36	5 46	1 23	21 42	1 44	0 3	0 27	18 47	0 33	22 37	0 51	22 56	0 2	3 36	1 17	24 13	4 37	23 26	23 28	24 9	16 48	6 13					
S 8	16 9	0n38	5 1	5 13	1 34	21 43	1 40	0s13	0 26	18 43	0 33	22 37	0 51	22 57	0 2	3 37	1 17	24 13	4 38	23 26	23 28	24 9	16 47	6 13					
M 9	15 52	6 2	5 9	4 40	1 45	21 44	1 37	0 28	0 26	18 40	0 33	22 37	0 51	22 57	0 2	3 37	1 17	24 13	4 38	23 27	23 28	24 9	16 46	6 13					
T 10	15 34	11 1	5 1	4 9	1 56	21 44	1 34	0 44	0 25	18 37	0 33	22 37	0 51	22 57	0 2	3 38	1 17	24 13	4 38	23 27	23 28	24 9	16 45	6 14					
W 11	15 16	15 24	4 39	3 38	2 6	21 44	1 30	1 0	0 24	18 33	0 33	22 37	0 51	22 57	0 2	3 38	1 17	24 12	4 38	23 27	23 28	24 8	16 44	6 14					
T 12	14 58	19 1	4 4	3 9	2 17	21 43	1 27	1 16	0 23	18 30	0 33	22 37	0 51	22 58	0 2	3 39	1 18	24 12	4 38	23 27	23 28	24 8	16 44	6 15					
F 13	14 40	21 46	3 19	2 41	2 28	21 41	1 23	1 32	0 23	18 26	0 33	22 38	0 50	22 58	0 2	3 40	1 18	24 12	4 38	23 27	23 28	24 8	16 43	6 15					
S 14	14 22	23 32	2 25	2 14	2 39	21 39	1 19	1 47	0 22	18 23	0 34	22 38	0 50	22 58	0 2	3 40	1 18	24 11	4 38	23 27	23 28	24 8	16 42	6 15					
S 15	14 3	24 15	1 26	1 49	2 49	21 36	1 16	2 3	0 21	18 20	0 34	22 38	0 50	22 58	0 2	3 41	1 18	24 11	4 38	23 27	23 28	24 8	16 41	6 16					
M 16	13 44	23 52	0 24	1 25	2 59	21 33	1 12	2 19	0 20	18 16	0 34	22 38	0 50	22 58	0 2	3 41	1 18	24 11	4 38	23 27	23 28	24 7	16 40	6 16					
T 17	13 25	22 23	0s41	1 3	3 10	21 29	1 9	2 35	0 20	18 13	0 34	22 38	0 50	22 58	0 2	3 42	1 18	24 11	4 39	23 27	23 28	24 7	16 39	6 17					
W 18	13 6	19 53	1 44	0 43	3 20	21 25	1 5	2 51	0 19	18 9	0 34	22 38	0 50	22 59	0 2	3 42	1 18	24 10	4 39	23 27	23 28	24 7	16 38	6 17					
T 19	12 46	16 26	2 43	0 25	3 29	21 20	1 2	3 7	0 18	18 6	0 34	22 38	0 50	22 59	0 2	3 43	1 18	24 10	4 39	23 27	23 28	24 7	16 38	6 17					
F 20	12 26	12 13	3 35	0 10	3 38	21 14	0 58	3 23	0 18	18 2	0 34	22 38	0 49	22 59	0 2	3 44	1 18	24 10	4 39	23 27	23 28	24 6	16 37	6 18					
S 21	12 6	7 23	4 18	0s 3	3 47	21 8	0 54	3 39	0 17	17 59	0 34	22 39	0 49	22 59	0 2	3 44	1 18	24 10	4 39	23 27	23 28	24 6	16 36	6 18					
S 22	11 46	2 8	4 48	0 14	3 55	21 1	0 51	3 54	0 16	17 56	0 34	22 39	0 49	22 59	0 2	3 45	1 18	24 9	4 39	23 27	23 29	24 6	16 35	6 19					
M 23	11 26	3s18	5 3	0 22	4 2	20 54	0 47	4 10	0 15	17 52	0 35	22 39	0 49	22 59	0 2	3 45	1 18	24 9	4 39	23 28	23 29	24 5	16 34	6 19					
T 24	11 5	8 39	5 2	0 26	4 9	20 46	0 44	4 26	0 15	17 49	0 35	22 39	0 49	23 0	0 2	3 46	1 18	24 9	4 39	23 28	23 29	24 5	16 33	6 20					
W 25	10 45	13 40	4 43	0 28	4 15	20 38	0 40	4 42	0 14	17 45	0 35	22 39	0 49	23 0	0 2	3 47	1 18	24 9	4 39	23 28	23 29	24 5	16 32	6 20					
T 26	10 24	18 1	4 8	0 26	4 19	20 29	0 36	4 58	0 13	17 42	0 35	22 39	0 48	23 0	0 2	3 47	1 18	24 8	4 40	23 28	23 29	24 5	16 31	6 21					
F 27	10 3	21 24	3 17	0 20	4 23	20 19	0 33	5 14	0 13	17 38	0 35	22 39	0 48	23 0	0 2	3 48	1 18	24 8	4 40	23 28	23 29	24 4	16 30	6 21					
S 28	9 41	23 31	2 15	0 11	4 25	20 9	0 29	5 30	0 12	17 35	0 35	22 40	0 48	23 0	0 2	3 49	1 18	24 8	4 40	23 28	23 29	24 4	16 29	6 22					
S 29	9 20	24 9	1 3	0n 1	4 25	19 58	0 26	5 45	0 11	17 31	0 35	22 40	0 48	23 0	0 2	3 49	1 18	24 8	4 40	23 28	23 29	24 4	16 28	6 22					
M 30	8 59	23 13	0n12	0 18	4 24	19 47	0 22	6 1	0 10	17 28	0 35	22 40	0 48	23 0	0 2	3 50	1 18	24 7	4 40	23 28	23 29	24 3	16 27	6 23					
T 31	8n37	20s47	1n27	0n38	4s21	19n35	0s19	6s17	0n10	17n24	0n35	22s40	0n48	23n 1	0n 2	3s50	1s18	24n 7	4n40	23s28	23s29	24n 3	16n27	6s23					

ASTRODIENST EPHEMERIS for the year 1694
geocentric

SEPTEMBER 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	22 42 20	8 ^h 53'06	2 ^h 36	17°R26	2 ^h 33	17 ^h 0	13 ^h 34	27°D52	18 ^h 23	23°R19	2 ^h 47	1°R48	0 ^h 30	19 ^h 32	13 ^h 34	W 1
T 2	22 46 16	9°51'18	16°46	16 ^h 32	3°44	17°39	13°47	27°52	18°24	23°17	2°48	1°42	0°27	19°38	13°38	T 2
F 3	22 50 13	10°49'32	0 ^h 47	15°35	4°55	18°19	13°59	27°52	18°26	23°16	2°49	1°33	0°24	19°45	13°42	F 3
S 4	22 54 9	11°47'48	14°35	14°35	6°6	18°58	14°12	27°53	18°27	23°14	2°51	1°23	0°20	19°52	13°47	S 4
S 5	22 58 6	12°46'05	28°7	13°35	7°17	19°38	14°24	27°53	18°28	23°13	2°52	1°11	0°17	19°58	13°51	S 5
M 6	23 2 2	13°44'25	11°19	12°35	8°29	20°18	14°37	27°53	18°28	23°11	2°54	1°0	0°14	20°5	13°55	M 6
T 7	23 5 59	14°42'46	24°11	11°37	9°40	20°58	14°49	27°54	18°29	23°9	2°55	0°50	0°11	20°12	13°59	T 7
W 8	23 9 55	15°41'09	6 ^h 43	10°42	10°51	21°37	15°1	27°54	18°30	23°8	2°56	0°42	0°8	20°18	14°4	W 8
T 9	23 13 52	16°39'35	18°58	9°52	12°3	22°17	15°13	27°55	18°31	23°6	2°58	0°36	0°5	20°25	14°8	T 9
F 10	23 17 49	17°38'03	0 ^h 59	9°8	13°15	22°57	15°25	27°56	18°32	23°4	2°59	0°33	0°1	20°32	14°12	F 10
S 11	23 21 45	18°36'33	12°51	8°30	14°26	23°37	15°38	27°57	18°32	23°3	3°0	0°32	29°58	20°38	14°15	S 11
S 12	23 25 42	19°35'05	24°39	8°1	15°38	24°18	15°50	27°58	18°33	23°1	3°2	0°32	29°55	20°45	14°19	S 12
M13	23 29 38	20°33'39	6 ^h 29	7°40	16°50	24°58	16°2	27°59	18°34	22°59	3°3	0°32	29°52	20°52	14°23	M13
T 14	23 33 35	21°32'15	18°26	7°28	18°2	25°38	16°13	28°0	18°34	22°58	3°4	0°31	29°49	20°58	14°27	T 14
W15	23 37 31	22°30'54	0 ^h 36	7°D27	19°14	26°18	16°25	28°1	18°35	22°56	3°5	0°28	29°45	21°5	14°30	W15
T 16	23 41 28	23°29'35	13°1	7°34	20°26	26°59	16°37	28°3	18°35	22°54	3°6	0°22	29°42	21°11	14°34	T 16
F 17	23 45 24	24°28'17	25°46	7°52	21°38	27°39	16°49	28°4	18°36	22°53	3°8	0°13	29°39	21°18	14°37	F 17
S 18	23 49 21	25°27'02	8 ^h 52	8°19	22°51	28°20	17°1	28°6	18°36	22°51	3°9	0°3	29°36	21°25	14°41	S 18
S 19	23 53 18	26°25'49	22°18	8°55	24°3	29°1	17°12	28°7	18°36	22°49	3°10	29°50	29°33	21°31	14°44	S 19
M20	23 57 14	27°24'38	6 ^h 1	9°40	25°16	29°41	17°24	28°9	18°36	22°48	3°11	29°38	29°30	21°38	14°47	M20
T 21	0 1 11	28°23'29	20°0	10°33	26°28	0 ^h 22	17°35	28°11	18°36	22°46	3°12	29°26	29°26	21°45	14°50	T 21
W22	0 5 7	29°22'22	4 ^h 7	11°34	27°41	1°3	17°47	28°13	18°37	22°45	3°13	29°17	29°23	21°51	14°54	W22
T 23	0 9 4	0 ^h 21'17	18°20	12°42	28°53	1°44	17°58	28°15	18°37	22°43	3°14	29°10	29°20	21°58	14°57	T 23
F 24	0 13 0	1°20'13	2 ^h 34	13°56	0 ^h 6	2°25	18°9	28°17	18°37	22°41	3°15	29°6	29°17	22°5	14°59	F 24
S 25	0 16 57	2°19'12	16°46	15°15	1°19	3°6	18°20	28°20	18°37	22°40	3°16	29°4	29°14	22°11	15°2	S 25
S 26	0 20 53	3°18'12	0 ^h 35	16°40	2°32	3°47	18°31	28°22	18°37	22°38	3°17	29°4	29°11	22°18	15°5	S 26
M27	0 24 50	4°17'14	14°57	18°9	3°45	4°28	18°42	28°24	18°36	22°36	3°18	29°4	29°7	22°25	15°8	M27
T 28	0 28 47	5°16'17	28°55	19°41	4°58	5°9	18°53	28°27	18°36	22°35	3°19	29°2	29°4	22°31	15°10	T 28
W29	0 32 43	6°15'22	12 ^h 47	21°16	6°11	5°51	19°4	28°29	18°36	22°33	3°20	28°59	29°1	22°38	15°13	W29
T 30	0 36 40	7 ^h 14'29	26 ^h 31	22 ^h 54	7 ^h 24	6 ^h 32	19 ^h 15	28 ^h 32	18 ^h 36	22 ^h 32	3 ^h 21	28 ^h 52	28 ^h 58	22 ^h 44	15 ^h 15	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	8n15	17s 5	2n36	1n 2	4s17	19n22	0s15	6s33	0n 9	17n21	0n36	22s40	0n48	23n 1	0n 2	3s51	1s18	24n 7	4n40	23s28	23s29	24n 3	16n26	6s24	
T 2	7 53	12 25	3 35	1 29	4 10	19 9	0 12	6 49	0 8	17 17	0 36	22 40	0 47	23 1	0 2	3 52	1 18	24 7	4 41	23 28	23 29	24 2	16 25	6 24	
F 3	7 31	7 9	4 20	1 58	4 2	18 56	0 8	7 4	0 8	17 14	0 36	22 40	0 47	23 1	0 2	3 52	1 18	24 7	4 41	23 28	23 29	24 2	16 24	6 25	
S 4	7 9	1 38	4 49	2 31	3 52	18 42	0 5	7 20	0 7	17 10	0 36	22 41	0 47	23 1	0 2	3 53	1 18	24 6	4 41	23 28	23 29	24 2	16 23	6 25	
S 5	6 47	3n52	5 2	3 5	3 39	18 27	0 2	7 36	0 6	17 7	0 36	22 41	0 47	23 1	0 2	3 54	1 18	24 6	4 41	23 28	23 29	24 1	16 22	6 26	
M 6	6 24	9 2	4 57	3 41	3 25	18 12	0n 2	7 51	0 6	17 3	0 36	22 41	0 47	23 1	0 2	3 54	1 18	24 6	4 41	23 29	23 29	24 1	16 21	6 26	
T 7	6 2	13 42	4 38	4 18	3 10	17 56	0 5	8 7	0 5	17 0	0 36	22 41	0 47	23 1	0 2	3 55	1 18	24 6	4 41	23 29	23 29	24 0	16 20	6 27	
W 8	5 39	17 38	4 5	4 54	2 53	17 40	0 8	8 23	0 4	16 56	0 36	22 41	0 46	23 1	0 3	3 56	1 18	24 6	4 41	23 29	23 29	24 0	16 19	6 27	
T 9	5 16	20 43	3 22	5 30	2 35	17 23	0 11	8 38	0 4	16 53	0 37	22 41	0 46	23 1	0 3	3 56	1 18	24 6	4 42	23 29	23 29	24 0	16 18	6 28	
F 10	4 54	22 50	2 30	6 4	2 16	17 6	0 14	8 54	0 3	16 49	0 37	22 42	0 46	23 2	0 3	3 57	1 18	24 5	4 42	23 29	23 29	23 59	16 17	6 28	
S 11	4 31	23 54	1 32	6 36	1 56	16 48	0 18	9 9	0 2	16 46	0 37	22 42	0 46	23 2	0 3	3 58	1 18	24 5	4 42	23 29	23 29	23 59	16 16	6 29	
S 12	4 8	23 53	0 31	7 5	1 36	16 30	0 21	9 25	0 2	16 42	0 37	22 42	0 46	23 2	0 3	3 58	1 18	24 5	4 42	23 29	23 29	23 59	16 15	6 30	
M13	3 45	22 48	0s32	7 31	1 17	16 12	0 24	9 40	0 1	16 39	0 37	22 42	0 46	23 2	0 3	3 59	1 18	24 5	4 42	23 29	23 29	23 58	16 14	6 30	
T 14	3 22	20 40	1 34	7 54	0 57	15 53	0 27	9 55	0 0	16 35	0 37	22 42	0 46	23 2	0 3	4 0	1 18	24 5	4 42	23 29	23 29	23 58	16 13	6 31	
W15	2 58	17 35	2 32	8 12	0 38	15 33	0 30	10 11	0s 0	16 32	0 37	22 42	0 45	23 2	0 3	4 0	1 18	24 5	4 43	23 29	23 29	23 57	16 12	6 31	
T 16	2 35	13 40	3 25	8 26	0 20	15 13	0 33	10 26	0 1	16 29	0 37	22 43	0 45	23 2	0 3	4 1	1 18	24 5	4 43	23 29	23 29	23 57	16 11	6 32	
F 17	2 12	9 3	4 9	8 36	0 3	14 52	0 35	10 41	0 2	16 25	0 38	22 43	0 45	23 2	0 3	4 2	1 18	24 4	4 43	23 29	23 29	23 56	16 10	6 33	
S 18	1 49	3 55	4 40	8 41	0n14	14 32	0 38	10 56	0 2	16 22	0 38	22 43	0 45	23 2	0 3	4 2	1 18	24 4	4 43	23 29	23 29	23 56	16 9	6 33	
S 19	1 25	1s30	4 58	8 41	0 29	14 10	0 41	11 11	0 3	16 18	0 38	22 43	0 45	23 2	0 3	4 3	1 18	24 4	4 43	23 29	23 29	23 56	16 8	6 34	
M20	1 2	6 58	4 59	8 37	0 43	13 49	0 44	11 26	0 4	16 15	0 38	22 43	0 45	23 2	0 3	4 4	1 18	24 4	4 43	23 29	23 29	23 55	16 7	6 34	
T 21	0 38	12 10	4 42	8 29	0 56	13 26	0 46	11 41	0 4	16 12	0 38	22 44	0 44	23 2	0 3	4 4	1 18	24 4	4 44	23 29	23 29	23 55	16 6	6 35	
W22	0 15	16 47	4 7	8 16	1 7	13 4	0 49	11 56	0 5	16 8	0 38	22 44	0 44	23 2	0 3	4 5	1 18	24 4	4 44	23 29	23 29	23 54	16 5	6 36	
T 23	0s 8	20 29	3 17	8 0	1 17	12 41	0 51	12 11	0 6	16 5	0 39	22 44	0 44	23 2	0 3	4 6	1 18	24 4	4 44	23 29	23 29	23 54	16 5	6 36	
F 24	0 32	22 55	2 15	7 39	1 26	12 18	0 54	12 26	0 6	16 2	0 39	22 44	0 44	23 2	0 3	4 6	1 18	24 4	4 44	23 29	23 29	23 53	16 4	6 37	
S 25	0 55	23 53	1 5	7 15	1 33	11 54	0 56	12 41	0 7	15 58	0 39	22 44	0 44	23 2	0 3	4 7	1 18	24 4	4 44	23 29	23 29	23 53	16 3	6 38	
S 26	1 19	23 19	0n10	6 48	1 40	11 30	0 59	12 55	0 8	15 55	0 39	22 44	0 44	23 2	0 3	4 8	1 18	24 4	4 44	23 29	23 29	23 52	16 2	6 38	
M27	1 42	21 16	1 23	6 18	1 45	11 6	1 1	13 10	0 8	15 52	0 39	22 45	0 44	23 2	0 3	4 8	1 18	24 4	4 45	23 29	23 29	23 52	16 1	6 39	
T 28	2 6	17 57	2 31	5 46	1 49	10 41	1 3	13 24	0 9	15 49	0 39	22 45	0 43	23 2	0 3	4 9	1 18	24 4	4 45	23 29	23 29	23 51	16 0	6 39	
W29	2 29	13 39	3 29	5 11	1 52	10 16	1 5	13 39	0 10	15 45	0 39	22 45	0 43	23 2	0 3	4 10	1 18	24 3	4 45	23 29	23 29	23 51	15 59	6 40	
T 30	2s53	8s42	4n15	4n34	1n54	9n51	1n 7	13s53	0s10	15n42	0n40	22s45	0n43	23n 2	0n 3	4s10	1s18	24n 3	4n45	23s28	23s29	23n50	15n58	6s41	

ASTRODIENST EPHEMERIS for the year 1694
geocentric

OCTOBER 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	0 40 36	8♂13'38	10♂7	24♂34	8♂37	7♂13	19♂26	28♂35	18♂35	22♂30	3♂22	28♂43	28♂55	22♂51	15♂18	F 1
S 2	0 44 33	9°12'49	23°32	26°16	9°51	7°55	19°36	28°38	18♂35	22♂28	3°23	28♂31	28°51	22°58	15°20	S 2
S 3	0 48 29	10°12'02	6♂43	27°59	11° 4	8°36	19°47	28°41	18°34	22°27	3°24	28°18	28°48	23° 4	15°22	S 3
M 4	0 52 26	11°11'16	19°40	29°42	12°17	9°18	19°57	28°44	18°34	22°25	3°25	28° 6	28°45	23°11	15°24	M 4
T 5	0 56 22	12°10'33	2♂20	1♂27	13°31	10° 0	20° 8	28°47	18°33	22°24	3°25	27°54	28°42	23°18	15°26	T 5
W 6	1 0 19	13° 9'52	14°45	3°12	14°44	10°41	20°18	28°50	18°33	22°22	3°26	27°45	28°39	23°24	15°28	W 6
T 7	1 4 16	14° 9'13	26°55	4°57	15°58	11°23	20°28	28°53	18°32	22°21	3°27	27°38	28°36	23°31	15°30	T 7
F 8	1 8 12	15° 8'37	8♂53	6°42	17°12	12° 5	20°38	28°57	18°31	22°19	3°28	27°34	28°32	23°38	15°32	F 8
S 9	1 12 9	16° 8'03	20°44	8°27	18°25	12°47	20°48	29° 0	18°31	22°18	3°28	27°33	28°29	23°44	15°33	S 9
S 10	1 16 5	17° 7'31	2♂31	10°11	19°39	13°29	20°58	29° 4	18°30	22°16	3°29	27°D33	28°26	23°51	15°35	S 10
M 11	1 20 2	18° 7'01	14°20	11°56	20°53	14°11	21° 8	29° 7	18°29	22°15	3°30	27°R33	28°23	23°58	15°36	M 11
T 12	1 23 58	19° 6'34	26°16	13°40	22° 7	14°53	21°17	29°11	18°28	22°13	3°30	27°33	28°20	24° 4	15°38	T 12
W 13	1 27 55	20° 6'09	8♂26	15°23	23°21	15°35	21°27	29°15	18°27	22°12	3°31	27°31	28°16	24°11	15°39	W 13
T 14	1 31 51	21° 5'46	20°53	17° 6	24°35	16°18	21°36	29°19	18°26	22°10	3°31	27°27	28°13	24°18	15°40	T 14
F 15	1 35 48	22° 5'25	3♂42	18°49	25°49	17° 0	21°46	29°23	18°25	22° 9	3°32	27°21	28°10	24°24	15°41	F 15
S 16	1 39 45	23° 5'07	16°56	20°31	27° 3	17°42	21°55	29°27	18°24	22° 8	3°32	27°12	28° 7	24°31	15°43	S 16
S 17	1 43 41	24° 4'51	0♂34	22°13	28°17	18°25	22° 4	29°31	18°23	22° 6	3°33	27° 2	28° 4	24°37	15°43	S 17
M 18	1 47 38	25° 4'37	14°36	23°54	29°31	19° 7	22°13	29°35	18°22	22° 5	3°33	26°52	28° 1	24°44	15°44	M 18
T 19	1 51 34	26° 4'25	28°57	25°34	0♂46	19°50	22°22	29°40	18°20	22° 4	3°34	26°42	27°57	24°51	15°45	T 19
W 20	1 55 31	27° 4'15	13♂31	27°14	2° 0	20°33	22°31	29°44	18°19	22° 2	3°34	26°34	27°54	24°57	15°46	W 20
T 21	1 59 27	28° 4'07	28°10	28°53	3°14	21°15	22°39	29°48	18°18	22° 1	3°35	26°28	27°51	25° 4	15°46	T 21
F 22	2 3 24	29° 4'00	12♂48	0♂32	4°29	21°58	22°48	29°53	18°16	22° 0	3°35	26°25	27°48	25°11	15°47	F 22
S 23	2 7 20	0♂35	27°19	2°10	5°43	22°41	22°56	29°57	18°15	21°59	3°35	26°D24	27°45	25°17	15°47	S 23
S 24	2 11 17	1° 3'53	11♂40	3°48	6°58	23°24	23° 4	0♂32	18°13	21°57	3°36	26°25	27°42	25°24	15°47	S 24
M 25	2 15 14	2° 3'52	25°47	5°25	8°12	24° 7	23°13	0° 7	18°12	21°56	3°36	26°R26	27°38	25°31	15°48	M 25
T 26	2 19 10	3° 3'52	9♂41	7° 1	9°27	24°50	23°21	0°12	18°10	21°55	3°36	26°26	27°35	25°37	15°R48	T 26
W 27	2 23 7	4° 3'54	23°21	8°38	10°41	25°33	23°29	0°16	18° 9	21°54	3°36	26°24	27°32	25°44	15°48	W 27
T 28	2 27 3	5° 3'57	6♂47	10°13	11°56	26°16	23°36	0°21	18° 7	21°53	3°37	26°20	27°29	25°51	15°48	T 28
F 29	2 31 0	6° 4'02	20° 1	11°49	13°10	26°59	23°44	0°26	18° 5	21°52	3°37	26°14	27°26	25°57	15°47	F 29
S 30	2 34 56	7° 4'09	3♂3	13°23	14°25	27°43	23°51	0°31	18° 4	21°51	3°37	26° 6	27°22	26° 4	15°47	S 30
S 31	2 38 53	8♂41'17	15♂52	14♂58	15♂40	28♂26	23♂59	0♂37	18♂2	21♂50	3♂37	25♂57	27♂19	26♂10	15♂47	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
F 1	3s16	3s23	4n45	3n56	1n55	9n25	1n 9	14s 7	0s11	15n39	0n40	22s45	0n43	23n 2	0n 3	4s11	1s18	24n 3	4n45	23s28	23s28	23n50	15n57	6s41					
S 2	3 39	2n 1	5 0	3 15	1 56	8 59	1 11	14 21	0 12	15 36	0 40	22 45	0 43	23 2	0 3	4 11	1 18	24 3	4 46	23 28	23 28	23 49	15 56	6 42					
S 3	4 3	7 13	4 58	2 34	1 55	8 33	1 13	14 35	0 12	15 33	0 40	22 46	0 43	23 2	0 3	4 12	1 18	24 3	4 46	23 28	23 28	23 49	15 55	6 43					
M 4	4 26	12 1	4 40	1 52	1 54	8 7	1 15	14 49	0 13	15 29	0 40	22 46	0 43	23 2	0 3	4 13	1 18	24 3	4 46	23 28	23 28	23 48	15 54	6 43					
T 5	4 49	16 12	4 9	1 8	1 52	7 40	1 17	15 3	0 13	15 26	0 40	22 46	0 42	23 2	0 3	4 13	1 18	24 3	4 46	23 28	23 28	23 48	15 53	6 44					
W 6	5 12	19 34	3 27	0 24	1 50	7 13	1 18	15 17	0 14	15 23	0 41	22 46	0 42	23 2	0 3	4 14	1 18	24 3	4 46	23 28	23 28	23 47	15 53	6 45					
T 7	5 35	22 1	2 35	0s20	1 47	6 46	1 20	15 30	0 15	15 20	0 41	22 46	0 42	23 2	0 3	4 14	1 18	24 3	4 46	23 27	23 28	23 47	15 52	6 45					
F 8	5 58	23 25	1 38	1 5	1 43	6 19	1 21	15 44	0 15	15 17	0 41	22 46	0 42	23 2	0 3	4 15	1 18	24 3	4 47	23 27	23 28	23 46	15 51	6 46					
S 9	6 21	23 45	0 36	1 50	1 39	5 51	1 23	15 57	0 16	15 14	0 41	22 47	0 42	23 2	0 3	4 16	1 18	24 3	4 47	23 27	23 28	23 45	15 50	6 47					
S 10	6 44	23 1	0s26	2 35	1 35	5 24	1 24	16 11	0 17	15 11	0 41	22 47	0 42	23 2	0 3	4 16	1 18	24 3	4 47	23 27	23 28	23 45	15 49	6 48					
M11	7 7	21 15	1 28	3 20	1 30	4 56	1 26	16 24	0 17	15 8	0 41	22 47	0 42	23 2	0 3	4 17	1 18	24 3	4 47	23 27	23 28	23 44	15 48	6 48					
T 12	7 30	18 32	2 27	4 5	1 25	4 28	1 27	16 37	0 18	15 5	0 42	22 47	0 41	23 2	0 3	4 17	1 18	24 3	4 47	23 27	23 28	23 44	15 47	6 49					
W13	7 52	14 58	3 20	4 50	1 20	3 59	1 28	16 50	0 18	15 2	0 42	22 47	0 41	23 1	0 3	4 18	1 18	24 4	4 48	23 27	23 28	23 43	15 47	6 50					
T 14	8 15	10 41	4 5	5 35	1 15	3 31	1 29	17 3	0 19	14 59	0 42	22 47	0 41	23 1	0 3	4 18	1 18	24 4	4 48	23 27	23 28	23 43	15 46	6 50					
F 15	8 37	5 50	4 39	6 19	1 9	3 3	1 30	17 15	0 20	14 57	0 42	22 48	0 41	23 1	0 3	4 19	1 18	24 4	4 48	23 27	23 28	23 42	15 45	6 51					
S 16	8 59	0 35	4 59	7 3	1 3	2 34	1 31	17 28	0 20	14 54	0 42	22 48	0 41	23 1	0 3	4 19	1 18	24 4	4 48	23 27	23 28	23 41	15 44	6 52					
S 17	9 21	4s52	5 3	7 47	0 57	2 5	1 32	17 40	0 21	14 51	0 43	22 48	0 41	23 1	0 3	4 20	1 18	24 4	4 48	23 27	23 28	23 41	15 43	6 52					
M18	9 43	10 13	4 50	8 30	0 51	1 36	1 33	17 53	0 21	14 48	0 43	22 48	0 41	23 1	0 3	4 20	1 18	24 4	4 49	23 27	23 28	23 40	15 43	6 53					
T 19	10 5	15 8	4 18	9 13	0 44	1 7	1 33	18 5	0 22	14 45	0 43	22 48	0 41	23 1	0 3	4 21	1 18	24 4	4 49	23 26	23 28	23 39	15 42	6 54					
W20	10 27	19 14	3 29	9 55	0 38	0 38	1 34	18 17	0 23	14 43	0 43	22 48	0 40	23 1	0 3	4 21	1 18	24 4	4 49	23 26	23 28	23 39	15 41	6 54					
T 21	10 48	22 9	2 25	10 37	0 31	0 9	1 34	18 29	0 23	14 40	0 43	22 48	0 40	23 1	0 3	4 22	1 18	24 4	4 49	23 26	23 28	23 38	15 40	6 55					
F 22	11 10	23 34	1 12	11 18	0 25	0s20	1 35	18 40	0 24	14 38	0 44	22 49	0 40	23 1	0 3	4 22	1 18	24 4	4 49	23 26	23 28	23 38	15 40	6 56					
S 23	11 31	23 22	0n 5	11 58	0 18	0 49	1 35	18 52	0 24	14 35	0 44	22 49	0 40	23 1	0 3	4 23	1 18	24 4	4 50	23 26	23 28	23 37	15 39	6 57					
S 24	11 52	21 37	1 21	12 38	0 11	1 18	1 36	19 3	0 25	14 32	0 44	22 49	0 40	23 0	0 3	4 23	1 18	24 4	4 50	23 26	23 28	23 36	15 38	6 57					
M25	12 13	18 33	2 31	13 17	0 4	1 47	1 36	19 15	0 26	14 30	0 44	22 49	0 40	23 0	0 3	4 24	1 18	24 5	4 50	23 26	23 27	23 36	15 37	6 58					
T 26	12 33	14 28	3 31	13 55	0s 2	2 17	1 36	19 26	0 26	14 27	0 44	22 49	0 40	23 0	0 3	4 24	1 18	24 5	4 50	23 26	23 27	23 35	15 37	6 59					
W27	12 54	9 42	4 18	14 33	0 9	2 46	1 36	19 37	0 27	14 25	0 45	22 49	0 40	23 0	0 3	4 25	1 18	24 5	4 50	23 26	23 27	23 34	15 36	6 59					
T 28	13 14	4 33	4 50	15 9	0 16	3 15	1 36	19 48	0 27	14 23	0 45	22 49	0 39	23 0	0 3	4 25	1 18	24 5	4 51	23 26	23 27	23 34	15 35	7 0					
F 29	13 34	0n43	5 5	15 45	0 22	3 44	1 36	19 58	0 28	14 20	0 45	22 49	0 39	23 0	0 3	4 26	1 18	24 5	4 51	23 26	23 27	23 33	15 35	7 1					
S 30	13 54	5 53	5 5	16 21	0 29	4 13	1 36	20 9	0 28	14 18	0 45	22 49	0 39	23 0	0 3	4 26	1 18	24 5	4 51	23 25	23 27	23 32	15 34	7 1					
S 31	14s13	10n42	4n49	16s55	0s36	4s42	1n36	20s19	0s29	14n16	0n45	22s50	0n39	22n59	0n 3	4s26	1s18	24n 6	4n51	23s25	23s27	23n32	15n33	7s 2					

ASTRODIENST EPHEMERIS for the year 1694
geocentric

NOVEMBER 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	2 42 49	9♉ 4'27	28♊29	16♉32	16♉55	29♉ 9	24♉ 6	0♈42	18°R 0	21°R49	3♉37	25°R48	27♊16	26♊17	15°R46	M 1
T 2	2 46 46	10° 4'39	10♈53	18° 5	18° 9	29°53	24°13	0°47	17♊58	21♈48	3°37	25♊40	27°13	26°24	15♈46	T 2
W 3	2 50 42	11° 4'53	23° 6	19°39	19°24	0♈36	24°20	0°52	17°56	21°47	3°37	25°34	27°10	26°30	15°45	W 3
T 4	2 54 39	12° 5'08	5♊ 9	21°11	20°39	1°20	24°27	0°58	17°55	21°46	3°R37	25°29	27° 7	26°37	15°44	T 4
F 5	2 58 36	13° 5'26	17° 3	22°44	21°54	2° 3	24°33	1° 3	17°53	21°45	3°37	25°27	27° 3	26°44	15°43	F 5
S 6	3 2 32	14° 5'45	28°51	24°16	23° 9	2°47	24°40	1° 9	17°51	21°44	3°37	25°D27	27° 0	26°50	15°42	S 6
S 7	3 6 29	15° 6'06	10♈37	25°48	24°24	3°31	24°46	1°14	17°49	21°43	3°37	25°28	26°57	26°57	15°41	S 7
M 8	3 10 25	16° 6'29	22°26	27°20	25°39	4°15	24°52	1°20	17°47	21°42	3°37	25°29	26°54	27° 4	15°40	M 8
T 9	3 14 22	17° 6'54	4♉21	28°51	26°54	4°59	24°58	1°25	17°45	21°41	3°37	25°31	26°51	27°10	15°39	T 9
W10	3 18 18	18° 7'21	16°28	0♈22	28° 9	5°42	25° 4	1°31	17°42	21°41	3°37	25°R32	26°48	27°17	15°38	W10
T 11	3 22 15	19° 7'49	28°52	1°53	29°24	6°26	25°10	1°37	17°40	21°40	3°37	25°31	26°44	27°24	15°36	T 11
F 12	3 26 11	20° 8'20	11♈38	3°23	0♉39	7°11	25°16	1°43	17°38	21°39	3°36	25°29	26°41	27°30	15°35	F 12
S 13	3 30 8	21° 8'52	24°49	4°53	1°54	7°55	25°21	1°49	17°36	21°39	3°36	25°25	26°38	27°37	15°33	S 13
S 14	3 34 5	22° 9'26	8♉28	6°23	3° 9	8°39	25°26	1°55	17°34	21°38	3°36	25°21	26°35	27°43	15°32	S 14
M15	3 38 1	23°10'02	22°34	7°52	4°24	9°23	25°31	2° 1	17°31	21°37	3°36	25°16	26°32	27°50	15°30	M15
T 16	3 41 58	24°10'39	7♉ 5	9°21	5°39	10° 7	25°36	2° 7	17°29	21°37	3°35	25°11	26°28	27°57	15°28	T 16
W17	3 45 54	25°11'18	21°54	10°49	6°54	10°52	25°41	2°13	17°27	21°36	3°35	25° 7	26°25	28° 3	15°26	W17
T 18	3 49 51	26°11'59	6♊54	12°17	8°10	11°36	25°46	2°19	17°25	21°36	3°35	25° 4	26°22	28°10	15°24	T 18
F 19	3 53 47	27°12'41	21°56	13°45	9°25	12°21	25°50	2°25	17°22	21°35	3°34	25°D 3	26°19	28°17	15°22	F 19
S 20	3 57 44	28°13'25	6♈52	15°12	10°40	13° 5	25°54	2°31	17°20	21°35	3°34	25° 3	26°16	28°23	15°20	S 20
S 21	4 1 40	29°14'09	21°34	16°38	11°55	13°50	25°58	2°38	17°17	21°35	3°33	25° 5	26°13	28°30	15°18	S 21
M22	4 5 37	0♈14'54	5♉57	18° 4	13°11	14°34	26° 2	2°44	17°15	21°34	3°33	25° 6	26° 9	28°37	15°15	M22
T 23	4 9 34	1°15'41	20° 0	19°29	14°26	15°19	26° 6	2°50	17°13	21°34	3°32	25° 7	26° 6	28°43	15°13	T 23
W24	4 13 30	2°16'28	3♈41	20°53	15°41	16° 4	26° 9	2°57	17°10	21°33	3°32	25°R 8	26° 3	28°50	15°10	W24
T 25	4 17 27	3°17'16	17° 1	22°15	16°56	16°48	26°13	3° 3	17° 8	21°33	3°31	25° 7	26° 0	28°57	15° 8	T 25
F 26	4 21 23	4°18'05	0♊ 3	23°37	18°12	17°33	26°16	3° 9	17° 5	21°33	3°31	25° 5	25°57	29° 3	15° 5	F 26
S 27	4 25 20	5°18'55	12°49	24°57	19°27	18°18	26°19	3°16	17° 3	21°33	3°30	25° 3	25°54	29°10	15° 2	S 27
S 28	4 29 16	6°19'46	25°20	26°16	20°42	19° 3	26°22	3°23	17° 0	21°33	3°29	25° 0	25°50	29°17	15° 0	S 28
M29	4 33 13	7°20'38	7♈39	27°32	21°58	19°48	26°24	3°29	16°58	21°32	3°29	24°57	25°47	29°23	14°57	M29
T 30	4 37 9	8♊21'31	19♈49	28♊47	23♉13	20♊33	26♉27	3♈36	16♊55	21♈32	3♉28	24♊54	25♊44	29♊30	14♈54	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	decl	lat
M 1	14s33	14n59	4n19	17s29	0s42	5s11	1n36	20s29	0s30	14n14	0n46	22s50	0n39	22n59	0n 3	4s27	1s18	24n 6	4n51	23s25	23s27	23n31	15n33	7s 3			
T 2	14 52	18 33	3 38	18 1	0 49	5 40	1 35	20 39	0 30	14 11	0 46	22 50	0 39	22 59	0 3	4 27	1 18	24 6	4 52	23 24	23 27	23 30	15 32	7 4			
W 3	15 11	21 15	2 46	18 33	0 55	6 9	1 35	20 49	0 31	14 9	0 46	22 50	0 39	22 59	0 3	4 27	1 18	24 6	4 52	23 24	23 27	23 30	15 31	7 4			
T 4	15 29	22 58	1 48	19 4	1 1	6 37	1 34	20 58	0 31	14 7	0 46	22 50	0 39	22 59	0 3	4 28	1 18	24 6	4 52	23 24	23 27	23 29	15 31	7 5			
F 5	15 48	23 36	0 46	19 34	1 7	7 6	1 34	21 8	0 32	14 5	0 46	22 50	0 38	22 59	0 3	4 28	1 18	24 6	4 52	23 24	23 27	23 28	15 30	7 6			
S 6	16 6	23 10	0s19	20 3	1 13	7 34	1 33	21 17	0 32	14 3	0 47	22 50	0 38	22 59	0 3	4 28	1 18	24 7	4 52	23 24	23 27	23 27	15 30	7 6			
S 7	16 24	21 42	1 22	20 31	1 19	8 2	1 32	21 26	0 33	14 1	0 47	22 50	0 38	22 58	0 3	4 29	1 18	24 7	4 53	23 24	23 27	23 27	15 29	7 7			
M 8	16 41	19 17	2 22	20 58	1 25	8 30	1 32	21 35	0 33	14 0	0 47	22 50	0 38	22 58	0 3	4 29	1 18	24 7	4 53	23 24	23 27	23 26	15 29	7 8			
T 9	16 58	16 1	3 16	21 24	1 30	8 58	1 31	21 43	0 34	13 58	0 47	22 50	0 38	22 58	0 3	4 29	1 18	24 7	4 53	23 24	23 26	23 25	15 28	7 8			
W10	17 15	12 4	4 3	21 49	1 36	9 26	1 30	21 52	0 35	13 56	0 48	22 50	0 38	22 58	0 3	4 30	1 18	24 8	4 53	23 24	23 26	23 24	15 28	7 9			
T 11	17 32	7 31	4 40	22 13	1 41	9 53	1 29	22 0	0 35	13 54	0 48	22 50	0 38	22 58	0 3	4 30	1 17	24 8	4 53	23 24	23 26	23 24	15 27	7 10			
F 12	17 48	2 32	5 4	22 36	1 46	10 21	1 28	22 8	0 36	13 53	0 48	22 50	0 38	22 57	0 3	4 30	1 17	24 8	4 54	23 24	23 26	23 23	15 27	7 10			
S 13	18 5	2s43	5 12	22 58	1 51	10 48	1 27	22 16	0 36	13 51	0 48	22 50	0 38	22 57	0 3	4 30	1 17	24 8	4 54	23 24	23 26	23 22	15 26	7 11			
S 14	18 20	8 1	5 4	23 18	1 55	11 14	1 26	22 23	0 37	13 49	0 49	22 50	0 37	22 57	0 3	4 30	1 17	24 9	4 54	23 24	23 26	23 21	15 26	7 11			
M15	18 36	13 6	4 38	23 38	2 0	11 41	1 25	22 30	0 37	13 48	0 49	22 50	0 37	22 57	0 3	4 31	1 17	24 9	4 54	23 24	23 26	23 21	15 25	7 12			
T 16	18 51	17 34	3 53	23 56	2 4	12 7	1 23	22 38	0 38	13 46	0 49	22 50	0 37	22 57	0 3	4 31	1 17	24 9	4 54	23 23	23 26	23 20	15 25	7 13			
W17	19 6	21 2	2 52	24 13	2 8	12 33	1 22	22 44	0 38	13 45	0 49	22 50	0 37	22 56	0 3	4 31	1 17	24 9	4 55	23 23	23 26	23 19	15 24	7 13			
T 18	19 20	23 7	1 38	24 28	2 11	12 59	1 21	22 51	0 39	13 44	0 49	22 50	0 37	22 56	0 3	4 31	1 17	24 10	4 55	23 23	23 26	23 18	15 24	7 14			
F 19	19 34	23 31	0 17	24 43	2 14	13 24	1 19	22 58	0 39	13 42	0 50	22 50	0 37	22 56	0 3	4 31	1 17	24 10	4 55	23 23	23 26	23 17	15 24	7 15			
S 20	19 48	22 14	1n 5	24 56	2 17	13 49	1 18	23 4	0 40	13 41	0 50	22 50	0 37	22 56	0 3	4 32	1 17	24 10	4 55	23 23	23 26	23 17	15 23	7 15			
S 21	20 1	19 26	2 21	25 7	2 20	14 14	1 16	23 10	0 40	13 40	0 50	22 50	0 37	22 56	0 3	4 32	1 17	24 10	4 55	23 23	23 25	23 16	15 23	7 16			
M22	20 14	15 29	3 27	25 18	2 22	14 38	1 15	23 16	0 41	13 39	0 50	22 50	0 37	22 55	0 3	4 32	1 17	24 11	4 56	23 23	23 25	23 15	15 23	7 16			
T 23	20 27	10 45	4 18	25 27	2 23	15 2	1 13	23 21	0 41	13 38	0 51	22 50	0 37	22 55	0 3	4 32	1 17	24 11	4 56	23 23	23 25	23 14	15 22	7 17			
W24	20 39	5 36	4 54	25 34	2 25	15 26	1 11	23 26	0 42	13 37	0 51	22 50	0 36	22 55	0 3	4 32	1 17	24 11	4 56	23 23	23 25	23 13	15 22	7 17			
T 25	20 51	0 20	5 12	25 40	2 25	15 49	1 9	23 31	0 42	13 36	0 51	22 50	0 36	22 55	0 3	4 32	1 17	24 12	4 56	23 23	23 25	23 13	15 22	7 18			
F 26	21 2	4n50	5 14	25 45	2 25	16 12	1 8	23 36	0 43	13 35	0 51	22 50	0 36	22 54	0 3	4 32	1 17	24 12	4 56	23 23	23 25	23 12	15 22	7 18			
S 27	21 13	9 41	5 1	25 48	2 25	16 34	1 6	23 41	0 43	13 35	0 52	22 50	0 36	22 54	0 3	4 32	1 17	24 12	4 57	23 23	23 25	23 11	15 21	7 19			
S 28	21 24	14 2	4 33	25 50	2 24	16 56	1 4	23 45	0 44	13 34	0 52	22 50	0 36	22 54	0 3	4 32	1 17	24 13	4 57	23 23	23 25	23 10	15 21	7 20			
M29	21 34	17 45	3 52	25 50	2 23	17 17	1 2	23 49	0 44	13 33	0 52	22 50	0 36	22 54	0 3	4 32	1 17	24 13	4 57	23 23	23 25	23 9	15 21	7 20			
T 30	21s44	20n38	3n 2	25s49	2s20	17s38	1n 0	23s53	0s45	13n33	0n52	22s50	0n36	22n54	0n 3	4s32	1s17	24n13	4n57	23s23	23s25	23n 8	15n21	7s21			

ASTRODIENST EPHEMERIS for the year 1694
geocentric

DECEMBER 1694 GC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	4 41 6	9♂22'25	1♂49	29♂59	24♂28	21♂18	26♂29	3♂42	16♂R53	21♂R32	3♂R27	24♂R52	25♂41	29♂36	14♂R51	W 1
T 2	4 45 3	10°23'20	13°44	1♂8	25°44	22° 3	26°31	3°49	16♂R50	21°D32	3♂R27	24♂R51	25°38	29°43	14♂R48	T 2
F 3	4 48 59	11°24'16	25°34	2°14	26°59	22°49	26°33	3°56	16°48	21♂R32	3°26	24°D51	25°34	29°50	14°45	F 3
S 4	4 52 56	12°25'13	7♂21	3°16	28°15	23°34	26°35	4° 2	16°45	21°32	3°25	24°51	25°31	29°56	14°41	S 4
S 5	4 56 52	13°26'11	19° 8	4°13	29°30	24°19	26°36	4° 9	16°43	21°32	3°24	24°52	25°28	0♂3	14°38	S 5
M 6	5 0 49	14°27'10	0♂59	5° 5	0♂45	25° 5	26°37	4°16	16°40	21°33	3°24	24°53	25°25	0°10	14°35	M 6
T 7	5 4 45	15°28'10	12°56	5°52	2° 1	25°50	26°38	4°23	16°37	21°33	3°23	24°54	25°22	0°16	14°31	T 7
W 8	5 8 42	16°29'11	25° 3	6°32	3°16	26°35	26°39	4°30	16°35	21°33	3°22	24°55	25°19	0°23	14°28	W 8
T 9	5 12 39	17°30'13	7♂25	7° 5	4°32	27°21	26°40	4°36	16°32	21°33	3°21	24°56	25°15	0°30	14°24	T 9
F 10	5 16 35	18°31'16	20° 6	7°29	5°47	28° 6	26°41	4°43	16°30	21°33	3°20	24°R56	25°12	0°36	14°21	F 10
S 11	5 20 32	19°32'20	3♂9	7°45	7° 2	28°52	26°41	4°50	16°27	21°34	3°19	24°56	25° 9	0°43	14°17	S 11
S 12	5 24 28	20°33'25	16°39	7°R50	8°18	29°38	26°R41	4°57	16°25	21°34	3°18	24°55	25° 6	0°50	14°13	S 12
M13	5 28 25	21°34'31	0♂35	7°45	9°33	0♂23	26°41	5° 4	16°22	21°34	3°17	24°55	25° 3	0°56	14°10	M13
T 14	5 32 21	22°35'38	14°59	7°28	10°49	1° 9	26°41	5°11	16°20	21°35	3°17	24°55	24°59	1° 3	14° 6	T 14
W15	5 36 18	23°36'45	29°46	7° 0	12° 4	1°55	26°40	5°18	16°17	21°35	3°16	24°54	24°56	1°10	14° 2	W15
T 16	5 40 14	24°37'54	14♂51	6°20	13°20	2°41	26°40	5°25	16°15	21°35	3°15	24°D54	24°53	1°16	13°58	T 16
F 17	5 44 11	25°39'03	0♂4	5°28	14°35	3°27	26°39	5°32	16°12	21°36	3°14	24°R54	24°50	1°23	13°54	F 17
S 18	5 48 8	26°40'12	15°16	4°27	15°51	4°13	26°38	5°39	16°10	21°37	3°12	24°54	24°47	1°29	13°50	S 18
S 19	5 52 4	27°41'22	0♂18	3°17	17° 6	4°58	26°36	5°46	16° 7	21°37	3°11	24°54	24°44	1°36	13°46	S 19
M20	5 56 1	28°42'31	15° 1	2° 0	18°22	5°44	26°35	5°53	16° 5	21°38	3°10	24°54	24°40	1°43	13°42	M20
T 21	5 59 57	29°43'41	29°20	0°39	19°37	6°31	26°33	6° 0	16° 2	21°38	3° 9	24°53	24°37	1°49	13°38	T 21
W22	6 3 54	0♂44'51	13♂13	29♂17	20°53	7°17	26°32	6° 7	16° 0	21°39	3° 8	24°53	24°34	1°56	13°34	W22
T 23	6 7 50	1°46'01	26°39	27°56	22° 8	8° 3	26°29	6°14	15°57	21°40	3° 7	24°D52	24°31	2° 3	13°30	T 23
F 24	6 11 47	2°47'10	9♂40	26°39	23°24	8°49	26°27	6°21	15°55	21°40	3° 6	24°52	24°28	2° 9	13°26	F 24
S 25	6 15 43	3°48'20	22°20	25°28	24°39	9°35	26°25	6°28	15°52	21°41	3° 5	24°53	24°25	2°16	13°22	S 25
S 26	6 19 40	4°49'29	4♂42	24°25	25°55	10°21	26°22	6°35	15°50	21°42	3° 4	24°54	24°21	2°23	13°18	S 26
M27	6 23 37	5°50'38	16°51	23°31	27°10	11° 8	26°19	6°42	15°48	21°43	3° 2	24°55	24°18	2°29	13°13	M27
T 28	6 27 33	6°51'48	28°49	22°47	28°26	11°54	26°16	6°50	15°45	21°44	3° 1	24°56	24°15	2°36	13° 9	T 28
W29	6 31 30	7°52'57	10♂41	22°13	29°41	12°40	26°13	6°57	15°43	21°45	3° 0	24°57	24°12	2°43	13° 5	W29
T 30	6 35 26	8°54'06	22°30	21°50	0♂56	13°27	26°10	7° 4	15°41	21°45	2°59	24°R57	24° 9	2°49	13° 1	T 30
F 31	6 39 23	9♂55'15	4♂17	21♂37	2♂12	14♂13	26♂6	7♂11	15♂R38	21♂R46	2♂R58	24♂R57	24♂6	2♂56	12♂56	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
W 1	21s54	22n35	2n 4	25s46	2s17	17s59	0n58	23s57	0s45	13n32	0n53	22s50	0n36	22n53	0n 3	4s32	1s17	24n14	4n57	23s23	23s24	23n 7	15n21	7s21			
T 2	22 3	23 30	1 1	25 42	2 13	18 19	0 56	24 0	0 46	13 32	0 53	22 50	0 36	22 53	0 4	4 32	1 17	24 14	4 57	23 23	23 24	23 7	15 20	7 22			
F 3	22 11	23 20	0s 4	25 36	2 9	18 38	0 54	24 3	0 46	13 31	0 53	22 50	0 36	22 53	0 4	4 32	1 17	24 14	4 58	23 23	23 24	23 6	15 20	7 22			
S 4	22 19	22 8	1 9	25 29	2 3	18 58	0 52	24 6	0 46	13 31	0 53	22 50	0 36	22 53	0 4	4 32	1 17	24 15	4 58	23 23	23 24	23 5	15 20	7 23			
S 5	22 27	19 57	2 11	25 21	1 56	19 16	0 50	24 8	0 47	13 31	0 54	22 49	0 35	22 52	0 4	4 32	1 17	24 15	4 58	23 23	23 24	23 4	15 20	7 23			
M 6	22 34	16 55	3 8	25 11	1 49	19 34	0 48	24 10	0 47	13 30	0 54	22 49	0 35	22 52	0 4	4 32	1 17	24 15	4 58	23 23	23 24	23 3	15 20	7 23			
T 7	22 41	13 10	3 57	25 1	1 40	19 51	0 45	24 12	0 48	13 30	0 54	22 49	0 35	22 52	0 4	4 32	1 17	24 16	4 58	23 23	23 24	23 2	15 20	7 24			
W 8	22 47	8 51	4 36	24 49	1 30	20 8	0 43	24 14	0 48	13 30	0 54	22 49	0 35	22 52	0 4	4 32	1 17	24 16	4 59	23 23	23 24	23 1	15 20	7 24			
T 9	22 53	4 6	5 3	24 36	1 18	20 25	0 41	24 16	0 49	13 30	0 55	22 49	0 35	22 51	0 4	4 32	1 17	24 17	4 59	23 23	23 24	23 0	15 20	7 25			
F 10	22 59	0s56	5 17	24 22	1 6	20 40	0 39	24 17	0 49	13 30	0 55	22 49	0 35	22 51	0 4	4 32	1 16	24 17	4 59	23 23	23 23	22 59	15 20	7 25			
S 11	23 4	6 4	5 15	24 7	0 52	20 56	0 36	24 18	0 49	13 30	0 55	22 49	0 35	22 51	0 4	4 31	1 16	24 17	4 59	23 23	23 23	22 59	15 20	7 25			
S 12	23 9	11 6	4 56	23 51	0 37	21 10	0 34	24 19	0 50	13 31	0 55	22 48	0 35	22 51	0 4	4 31	1 16	24 18	4 59	23 23	23 23	22 58	15 20	7 26			
M13	23 13	15 44	4 19	23 35	0 20	21 24	0 32	24 19	0 50	13 31	0 56	22 48	0 35	22 50	0 4	4 31	1 16	24 18	4 59	23 23	23 23	22 57	15 20	7 26			
T 14	23 16	19 37	3 25	23 18	0 2	21 37	0 29	24 19	0 51	13 31	0 56	22 48	0 35	22 50	0 4	4 31	1 16	24 18	5 0	23 23	23 23	22 56	15 20	7 27			
W15	23 19	22 20	2 15	23 1	0n16	21 50	0 27	24 19	0 51	13 32	0 56	22 48	0 35	22 50	0 4	4 31	1 16	24 19	5 0	23 23	23 23	22 55	15 20	7 27			
T 16	23 22	23 32	0 56	22 44	0 36	22 2	0 25	24 19	0 51	13 32	0 57	22 48	0 34	22 50	0 4	4 30	1 16	24 19	5 0	23 23	23 23	22 54	15 20	7 27			
F 17	23 24	23 0	0n29	22 26	0 56	22 13	0 22	24 18	0 52	13 33	0 57	22 47	0 34	22 49	0 4	4 30	1 16	24 20	5 0	23 23	23 23	22 53	15 20	7 28			
S 18	23 26	20 46	1 51	22 8	1 16	22 24	0 20	24 17	0 52	13 33	0 57	22 47	0 34	22 49	0 4	4 30	1 16	24 20	5 0	23 23	23 23	22 52	15 20	7 28			
S 19	23 27	17 7	3 5	21 51	1 35	22 34	0 17	24 16	0 53	13 34	0 57	22 47	0 34	22 49	0 4	4 30	1 16	24 20	5 0	23 23	23 22	22 51	15 20	7 28			
M20	23 28	12 28	4 4	21 34	1 54	22 43	0 15	24 14	0 53	13 35	0 58	22 47	0 34	22 49	0 4	4 29	1 16	24 21	5 0	23 23	23 22	22 50	15 20	7 28			
T 21	23 29	7 14	4 47	21 17	2 11	22 52	0 12	24 12	0 53	13 35	0 58	22 46	0 34	22 48	0 4	4 29	1 16	24 21	5 1	23 23	23 22	22 49	15 20	7 29			
W22	23 29	1 49	5 11	21 2	2 27	23 0	0 10	24 10	0 54	13 36	0 58	22 46	0 34	22 48	0 4	4 29	1 16	24 22	5 1	23 23	23 22	22 48	15 20	7 29			
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