



Astrodienst Ephemeris Tables for the year 1718

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 1718
geocentric

JANUARY 1718

00:00 UT

Day	Sid.t	☉	☽	♀	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	6 41 3	10 ³⁰ 11	2 ³⁰ 30	12 ³⁴ 42	25 ³³ 30	16 ¹¹ 24	1°R41	0 ⁰ M22	5 ²⁵ 35	13°R21	14°R41	28°R36	29 ⁰ M13	8 ³³ 59	5 ¹¹ 9	S 1
S 2	6 45 0	11°21'23	14°34	14°20	26°38	17° 8	1 ⁰ Q34	0°26	5°35	13 ⁰ R20	14 ⁰ M40	28 ⁰ M21	29°10	9° 6	5°12	S 2
M 3	6 48 56	12°22'34	26°32	15°58	27°46	17°52	1°27	0°30	5°36	13°19	14°40	28° 8	29° 7	9°13	5°15	M 3
T 4	6 52 53	13°23'45	8 ³³ 24	17°37	28°54	18°35	1°20	0°34	5°36	13°19	14°39	27°56	29° 4	9°19	5°17	T 4
W 5	6 56 49	14°24'56	20°13	19°16	0 ¹¹ 2	19°19	1°12	0°37	5°36	13°18	14°39	27°47	29° 0	9°26	5°20	W 5
T 6	7 0 46	15°26'07	2 ¹¹ 1	20°56	1° 9	20° 3	1° 5	0°41	5°37	13°17	14°38	27°41	28°57	9°33	5°23	T 6
F 7	7 4 43	16°27'17	13°51	22°36	2°16	20°46	0°57	0°44	5°37	13°17	14°37	27°38	28°54	9°40	5°26	F 7
S 8	7 8 39	17°28'26	25°48	24°16	3°23	21°30	0°50	0°48	5°37	13°16	14°37	27°D37	28°51	9°46	5°29	S 8
S 9	7 12 36	18°29'35	7 ¹⁹ 56	25°56	4°30	22°13	0°42	0°51	5°37	13°16	14°36	27°37	28°48	9°53	5°32	S 9
M10	7 16 32	19°30'43	20°22	27°37	5°37	22°57	0°34	0°54	5°R37	13°15	14°35	27°R38	28°45	10° 0	5°35	M10
T 11	7 20 29	20°31'51	3 ¹⁸ 9	29°18	6°43	23°41	0°26	0°57	5°37	13°15	14°35	27°37	28°41	10° 6	5°38	T 11
W12	7 24 25	21°32'58	16°23	0 ³³ 59	7°49	24°24	0°19	1° 0	5°37	13°14	14°34	27°34	28°38	10°13	5°41	W12
T 13	7 28 22	22°34'04	0 ¹¹ 7	2°41	8°55	25° 8	0°11	1° 3	5°37	13°14	14°33	27°29	28°35	10°20	5°44	T 13
F 14	7 32 18	23°35'09	14°21	4°22	10° 0	25°51	0° 3	1° 6	5°37	13°14	14°32	27°21	28°32	10°26	5°47	F 14
S 15	7 36 15	24°36'13	29° 3	6° 3	11° 6	26°35	29 ⁵⁵ 55	1° 8	5°36	13°13	14°31	27°12	28°29	10°33	5°50	S 15
S 16	7 40 12	25°37'17	14 ²⁸ 8	7°44	12°11	27°18	29°47	1°11	5°36	13°13	14°30	27° 2	28°26	10°40	5°53	S 16
M17	7 44 8	26°38'20	29°24	9°25	13°15	28° 2	29°39	1°13	5°36	13°13	14°29	26°53	28°22	10°46	5°57	M17
T 18	7 48 5	27°39'23	14 ⁰ 41	11° 5	14°19	28°45	29°31	1°16	5°35	13°13	14°28	26°45	28°19	10°53	6° 0	T 18
W19	7 52 1	28°40'24	29°49	12°44	15°24	29°29	29°23	1°18	5°35	13°13	14°27	26°40	28°16	11° 0	6° 3	W19
T 20	7 55 58	29°41'25	14 ⁰ 38	14°22	16°27	0 ¹¹ 12	29°15	1°20	5°34	13°12	14°26	26°37	28°13	11° 6	6° 6	T 20
F 21	7 59 54	0 ³³ 42'26	29° 3	15°59	17°31	0°55	29° 7	1°22	5°34	13°12	14°25	26°D36	28°10	11°13	6°10	F 21
S 22	8 3 51	1°43'26	13 ² 2	17°34	18°34	1°39	28°59	1°24	5°33	13°12	14°24	26°37	28° 6	11°20	6°13	S 22
S 23	8 7 48	2°44'25	26°34	19° 7	19°36	2°22	28°51	1°26	5°32	13°12	14°23	26°R38	28° 3	11°27	6°17	S 23
M24	8 11 44	3°45'24	9 ⁰ 43	20°37	20°39	3° 5	28°43	1°28	5°32	13°D12	14°22	26°38	28° 0	11°33	6°20	M24
T 25	8 15 41	4°46'22	22°32	22° 4	21°40	3°49	28°35	1°29	5°31	13°12	14°21	26°36	27°57	11°40	6°23	T 25
W26	8 19 37	5°47'19	5 ¹¹ 4	23°27	22°42	4°32	28°27	1°31	5°30	13°12	14°20	26°32	27°54	11°47	6°27	W26
T 27	8 23 34	6°48'16	17°23	24°46	23°43	5°15	28°19	1°32	5°29	13°12	14°19	26°26	27°51	11°53	6°30	T 27
F 28	8 27 30	7°49'12	29°31	26° 0	24°44	5°58	28°11	1°34	5°28	13°13	14°18	26°18	27°47	12° 0	6°34	F 28
S 29	8 31 27	8°50'07	11 ³³ 32	27° 8	25°44	6°42	28° 3	1°35	5°27	13°13	14°16	26° 8	27°44	12° 7	6°38	S 29
S 30	8 35 23	9°51'01	23°28	28° 9	26°44	7°25	27°55	1°36	5°26	13°13	14°15	25°59	27°41	12°13	6°41	S 30
M31	8 39 20	10 ³³ 51'54	5 ²⁰ 20	29 ³³ 3	27 ¹¹ 43	8 ¹⁹ 8	27 ⁵⁴ 48	1 ⁰ M37	5 ²⁵ 25	13 ⁰ R13	14 ⁰ M14	25 ⁰ M50	27 ⁰ M38	12 ²⁰ 20	6 ⁴⁵ 45	M31

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	23s 4	18s28	4n59	24s48	1s57	14s30	1s33	5s59	0s40	20n21	0n33	9s21	2n25	1s33	0n44	14n 8	1s49	19n29	14n38	0n34	0n19	14s13	4s49	5n11			
S 2	22 59	17 54	4 48	24 41	1 59	14 3	1 30	5 41	0 38	20 23	0 33	9 22	2 26	1 33	0 44	14 8	1 49	19 30	14 39	0 39	0 20	14 12	4 48	5 11			
M 3	22 54	16 33	4 25	24 32	2 2	13 37	1 26	5 23	0 37	20 25	0 34	9 23	2 26	1 33	0 44	14 8	1 49	19 31	14 39	0 45	0 21	14 10	4 47	5 10			
T 4	22 48	14 30	3 50	24 21	2 3	13 10	1 23	5 4	0 36	20 26	0 34	9 24	2 26	1 33	0 44	14 7	1 49	19 31	14 40	0 49	0 22	14 9	4 47	5 10			
W 5	22 42	11 51	3 5	24 9	2 5	12 43	1 19	4 46	0 35	20 28	0 34	9 25	2 26	1 33	0 44	14 7	1 49	19 32	14 40	0 53	0 24	14 8	4 46	5 10			
T 6	22 35	8 44	2 12	23 55	2 6	12 16	1 16	4 28	0 34	20 30	0 34	9 26	2 26	1 34	0 44	14 7	1 49	19 33	14 41	0 55	0 25	14 7	4 45	5 9			
F 7	22 27	5 15	1 13	23 39	2 6	11 48	1 12	4 10	0 33	20 32	0 34	9 27	2 27	1 34	0 44	14 7	1 49	19 33	14 41	0 57	0 26	14 6	4 44	5 9			
S 8	22 20	1 31	0 10	23 22	2 7	11 20	1 8	3 52	0 32	20 34	0 34	9 28	2 27	1 34	0 44	14 7	1 49	19 34	14 42	0 57	0 28	14 4	4 43	5 9			
S 9	22 12	2n19	0s55	23 4	2 6	10 52	1 4	3 33	0 30	20 35	0 35	9 29	2 27	1 34	0 44	14 7	1 49	19 35	14 42	0 57	0 29	14 3	4 43	5 9			
M10	22 3	6 9	1 58	22 43	2 6	10 24	1 0	3 15	0 29	20 37	0 35	9 30	2 27	1 34	0 44	14 7	1 49	19 35	14 42	0 57	0 30	14 2	4 42	5 8			
T 11	21 54	9 48	2 57	22 21	2 5	9 55	0 56	2 57	0 28	20 39	0 35	9 31	2 28	1 34	0 44	14 7	1 49	19 36	14 43	0 57	0 31	14 1	4 41	5 8			
W12	21 45	13 6	3 49	21 58	2 3	9 26	0 51	2 39	0 27	20 41	0 35	9 32	2 28	1 33	0 44	14 7	1 48	19 37	14 43	0 58	0 33	14 0	4 40	5 8			
T 13	21 35	15 48	4 30	21 33	2 1	8 58	0 47	2 20	0 26	20 43	0 35	9 32	2 28	1 33	0 44	14 7	1 48	19 37	14 44	1 0	0 34	13 58	4 39	5 7			
F 14	21 25	17 39	4 56	21 6	1 58	8 28	0 42	2 2	0 25	20 45	0 35	9 33	2 28	1 33	0 44	14 7	1 48	19 38	14 44	1 3	0 35	13 57	4 38	5 7			
S 15	21 14	18 24	5 4	20 38	1 54	7 59	0 37	1 44	0 24	20 46	0 35	9 34	2 29	1 33	0 44	14 7	1 48	19 39	14 45	1 7	0 36	13 56	4 37	5 7			
S 16	21 3	17 54	4 51	20 8	1 50	7 30	0 32	1 25	0 23	20 48	0 36	9 34	2 29	1 33	0 44	14 7	1 48	19 40	14 45	1 11	0 38	13 55	4 36	5 7			
M17	20 51	16 7	4 17	19 37	1 45	7 1	0 27	1 7	0 22	20 50	0 36	9 35	2 29	1 33	0 44	14 7	1 48	19 40	14 45	1 15	0 39	13 54	4 36	5 7			
T 18	20 40	13 11	3 25	19 4	1 40	6 31	0 22	0 49	0 21	20 52	0 36	9 36	2 29	1 33	0 44	14 7	1 48	19 41	14 46	1 18	0 40	13 52	4 35	5 6			
W19	20 27	9 24	2 18	18 31	1 34	6 2	0 17	0 31	0 20	20 54	0 36	9 36	2 30	1 32	0 44	14 7	1 48	19 42	14 46	1 20	0 41	13 51	4 34	5 6			
T 20	20 15	5 5	1 4	17 56	1 27	5 32	0 12	0 12	0 19	20 56	0 36	9 37	2 30	1 32	0 45	14 7	1 48	19 43	14 47	1 21	0 43	13 50	4 33	5 6			
F 21	20 2	0 35	0n13	17 20	1 19	5 2	0 6	0n 6	0 18	20 57	0 36	9 37	2 30	1 32	0 45	14 7	1 48	19 43	14 47	1 21	0 44	13 49	4 32	5 6			
S 22	19 48	3s49	1 27	16 43	1 11	4 32	0 0	0 24	0 17	20 59	0 36	9 38	2 30	1 32	0 45	14 7	1 48	19 44	14 47	1 21	0 45	13 48	4 31	5 5			
S 23	19 35	7 52	2 34	16 5	1 1	4 2	0n 5	0 42	0 16	21 1	0 36	9 38	2 31	1 31	0 45	14 7	1 48	19 45	14 48	1 20	0 46	13 46	4 30	5 5			
M24	19 20	11 25	3 30	15 27	0 51	3 33	0 11	1 0	0 15	21 3	0 37	9 38	2 31	1 31	0 45	14 7	1 48	19 46	14 48	1 20	0 48	13 45	4 28	5 5			
T 25	19 6	14 19	4 15	14 49	0 40	3 3	0 17	1 18	0 14	21 4	0 37	9 39	2 31	1 31	0 45	14 7	1 48	19 47	14 49	1 21	0 49	13 44	4 27	5 5			
W26	18 51	16 29	4 46	14 10	0 29	2 33	0 23	1 37	0 13	21 6	0 37	9 39	2 31	1 30	0 45	14 7	1 48	19 47	14 49	1 23	0 50	13 43	4 26	5 5			
T 27	18 36	17 50	5 3	13 32	0 16	2 3	0 29	1 55	0 12	21 8	0 37	9 39	2 32	1 30	0 45	14 7	1 48	19 48	14 49	1 25	0 52	13 41	4 25	5 4			
F 28	18 20	18 22	5 7	12 54	0 2	1 33	0 35	2 13	0 11	21 10	0 37	9 40	2 32	1 29	0 45	14 7	1 47	19 49	14 50	1 29	0 53	13 40	4 24	5 4			
S 29	18 5	18 3	4 56	12 18	0n12	1 3	0 42	2 31	0 10	21 11	0 37	9 40	2 32	1 29	0 45	14 7	1 47	19 50	14 50	1 32	0 54	13 39	4 23	5 4			
S 30	17 48	16 57	4 33	11 43	0 27	0 34	0 48	2 49	0 9	21 13	0 37	9 40	2 32	1 29	0 45	14 7	1 47	19 50	14 50	1 36	0 55	13 38	4 22	5 4			
M31	17s32	15s 7	3n58	11s 9	0n43	0s 4	0n55	3n 7	0s 8	21n14	0n37	9s40	2n33	1s28	0n45	14n 7	1s47	19n51	14n51	1n40	0n57	13s36	4s21	5n 4			

ASTRODIENST EPHEMERIS for the year 1718

geocentric

FEBRUARY 1718

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	8 43 17	11 ⁵² 45	17 ¹⁰	29 ⁴⁹	28 ⁴²	8 ⁵¹	27 ⁴⁰	1 ³⁸	5 ²⁴	13 ¹³	14 ¹³	25 ⁴²	27 ³⁵	12 ²⁷	6 ⁴⁸	T 1
W 2	8 47 13	12 ⁵³ 36	28 ⁵⁹	0 ²⁵	29 ⁴¹	9 ³⁴	27 ³³	1 ³⁹	5 ²³	13 ¹⁴	14 ¹¹	25 ³⁶	27 ³²	12 ³³	6 ⁵²	W 2
T 3	8 51 10	13 ⁵⁴ 25	10 ⁴⁹	0 ⁵²	0 ³⁹	10 ¹⁷	27 ²⁵	1 ⁴⁰	5 ²¹	13 ¹⁴	14 ¹⁰	25 ³³	27 ²⁸	12 ⁴⁰	6 ⁵⁶	T 3
F 4	8 55 6	14 ⁵⁵ 13	22 ⁴⁴	1 ⁹	1 ³⁶	11 ⁰	27 ¹⁸	1 ⁴⁰	5 ²⁰	13 ¹⁵	14 ⁹	25 ³⁰	27 ²⁵	12 ⁴⁷	7 ⁰	F 4
S 5	8 59 3	15 ⁵⁵ 59	4 ⁴⁵	1 ¹⁵	2 ³³	11 ⁴³	27 ¹⁰	1 ⁴¹	5 ¹⁹	13 ¹⁵	14 ⁷	25 ³²	27 ²²	12 ⁵³	7 ³	S 5
S 6	9 2 59	16 ⁵⁶ 44	16 ⁵⁷	1 ¹¹	3 ²⁹	12 ²⁶	27 ³	1 ⁴¹	5 ¹⁷	13 ¹⁵	14 ⁶	25 ³³	27 ¹⁹	13 ⁰	7 ⁷	S 6
M 7	9 6 56	17 ⁵⁷ 27	29 ²³	0 ⁵⁵	4 ²⁵	13 ⁹	26 ⁵⁶	1 ⁴²	5 ¹⁶	13 ¹⁶	14 ⁵	25 ³⁵	27 ¹⁶	13 ⁷	7 ¹¹	M 7
T 8	9 10 52	18 ⁵⁸ 09	12 ⁸	0 ³⁰	5 ²⁰	13 ⁵²	26 ⁴⁹	1 ⁴²	5 ¹⁴	13 ¹⁶	14 ³	25 ³⁶	27 ¹²	13 ¹⁴	7 ¹⁵	T 8
W 9	9 14 49	19 ⁵⁸ 49	25 ¹⁵	29 ⁵⁴	6 ¹⁴	14 ³⁵	26 ⁴²	1 ⁴²	5 ¹³	13 ¹⁷	14 ²	25 ³⁶	27 ⁹	13 ²⁰	7 ¹⁸	W 9
T 10	9 18 45	20 ⁵⁹ 27	8 ⁴⁹	29 ⁹	7 ⁸	15 ¹⁸	26 ³⁶	1 ⁴²	5 ¹¹	13 ¹⁸	14 ⁰	25 ³⁵	27 ⁶	13 ²⁷	7 ²²	T 10
F 11	9 22 42	22 ⁰ 04	22 ⁵¹	28 ¹⁶	8 ¹	16 ¹	26 ²⁹	1 ⁴²	5 ¹⁰	13 ¹⁸	13 ⁵⁹	25 ³²	27 ³	13 ³⁴	7 ²⁶	F 11
S 12	9 26 39	23 ⁰ 39	7 ²⁰	27 ¹⁷	8 ⁵⁴	16 ⁴⁴	26 ²²	1 ⁴²	5 ⁸	13 ¹⁹	13 ⁵⁷	25 ²⁸	27 ⁰	13 ⁴⁰	7 ³⁰	S 12
S 13	9 30 35	24 ¹ 12	22 ¹²	26 ¹⁴	9 ⁴⁵	17 ²⁶	26 ¹⁶	1 ⁴¹	5 ⁶	13 ¹⁹	13 ⁵⁶	25 ²³	26 ⁵⁷	13 ⁴⁷	7 ³⁴	S 13
M14	9 34 32	25 ¹ 43	7 ²¹	25 ⁷	10 ³⁶	18 ⁹	26 ¹⁰	1 ⁴¹	5 ⁴	13 ²⁰	13 ⁵⁵	25 ¹⁹	26 ⁵³	13 ⁵⁴	7 ³⁸	M14
T 15	9 38 28	26 ² 13	22 ³⁷	23 ⁵⁹	11 ²⁶	18 ⁵²	26 ⁴	1 ⁴⁰	5 ³	13 ²¹	13 ⁵³	25 ¹⁵	26 ⁵⁰	14 ⁰	7 ⁴¹	T 15
W16	9 42 25	27 ² 40	7 ⁴⁹	22 ⁵²	12 ¹⁵	19 ³⁴	25 ⁵⁸	1 ⁴⁰	5 ¹	13 ²²	13 ⁵²	25 ¹³	26 ⁴⁷	14 ⁷	7 ⁴⁵	W16
T 17	9 46 21	28 ³ 07	22 ⁴⁹	21 ⁴⁶	13 ⁴	20 ¹⁷	25 ⁵²	1 ³⁹	4 ⁵⁹	13 ²³	13 ⁵⁰	25 ¹²	26 ⁴⁴	14 ¹⁴	7 ⁴⁹	T 17
F 18	9 50 18	29 ³ 32	7 ²	20 ⁴⁵	13 ⁵¹	21 ⁰	25 ⁴⁶	1 ³⁸	4 ⁵⁷	13 ²³	13 ⁴⁹	25 ¹²	26 ⁴¹	14 ²⁰	7 ⁵³	F 18
S 19	9 54 14	0 ³ 55	21 ⁴⁰	19 ⁴⁸	14 ³⁷	21 ⁴²	25 ⁴¹	1 ³⁷	4 ⁵⁵	13 ²⁴	13 ⁴⁷	25 ¹³	26 ³⁷	14 ²⁷	7 ⁵⁷	S 19
S 20	9 58 11	1 ⁴ 17	5 ²⁵	18 ⁵⁷	15 ²³	22 ²⁵	25 ³⁵	1 ³⁶	4 ⁵³	13 ²⁵	13 ⁴⁵	25 ¹⁵	26 ³⁴	14 ³⁴	8 ¹	S 20
M21	10 2 8	2 ⁴ 38	18 ⁴³	18 ¹²	16 ⁷	23 ⁷	25 ³⁰	1 ³⁵	4 ⁵¹	13 ²⁶	13 ⁴⁴	25 ¹⁶	26 ³¹	14 ⁴⁰	8 ⁵	M21
T 22	10 6 4	3 ⁴ 57	1 ³⁷	17 ³⁴	16 ⁵¹	23 ⁵⁰	25 ²⁵	1 ³⁴	4 ⁴⁹	13 ²⁷	13 ⁴²	25 ¹⁷	26 ²⁸	14 ⁴⁷	8 ⁹	T 22
W23	10 10 1	4 ⁵ 15	14 ¹¹	17 ³	17 ³³	24 ³²	25 ²⁰	1 ³²	4 ⁴⁷	13 ²⁸	13 ⁴¹	25 ¹⁷	26 ²⁵	14 ⁵⁴	8 ¹³	W23
T 24	10 13 57	5 ⁵ 31	26 ²⁷	16 ⁴⁰	18 ¹⁵	25 ¹⁵	25 ¹⁵	1 ³¹	4 ⁴⁵	13 ²⁹	13 ³⁹	25 ¹⁵	26 ²²	15 ⁰	8 ¹⁷	T 24
F 25	10 17 54	6 ⁵ 46	8 ³¹	16 ²⁴	18 ⁵⁵	25 ⁵⁷	25 ¹¹	1 ²⁹	4 ⁴³	13 ³⁰	13 ³⁸	25 ¹³	26 ¹⁸	15 ⁷	8 ²⁰	F 25
S 26	10 21 50	7 ⁵ 59	20 ²⁷	16 ¹⁵	19 ³⁴	26 ³⁹	25 ⁶	1 ²⁸	4 ⁴¹	13 ³¹	13 ³⁶	25 ¹⁰	26 ¹⁵	15 ¹⁴	8 ²⁴	S 26
S 27	10 25 47	8 ⁶ 11	2 ¹⁸	16 ¹²	20 ¹¹	27 ²²	25 ²	1 ²⁶	4 ³⁸	13 ³³	13 ³⁴	25 ⁷	26 ¹²	15 ²⁰	8 ²⁸	S 27
M28	10 29 43	9 ⁶ 21	14 ⁷	16 ¹⁶	20 ⁴⁸	28 ⁴	24 ⁵⁸	1 ²⁴	4 ³⁶	13 ³⁴	13 ³³	25 ⁵	26 ⁹	15 ²⁷	8 ³²	M28

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	17s15	12s39	3n13	10s38	0n59	0n26	1n 2	3n24	0s 7	21n16	0n37	9s40	2n33	1s28	0n45	14n 8
W 2	16 58	9 40	2 19	10 10	1 15	0 55	1 8	3 42	0 6	21 18	0 37	9 40	2 33	1 27	0 45	14 8
T 3	16 41	6 18	1 19	9 45	1 32	1 25	1 15	4 0	0 5	21 19	0 38	9 40	2 33	1 27	0 45	14 8
F 4	16 23	2 39	0 15	9 23	1 49	1 54	1 22	4 18	0 4	21 21	0 38	9 40	2 34	1 26	0 45	14 8
S 5	16 5	1n 8	0s50	9 5	2 6	2 23	1 29	4 35	0 3	21 22	0 38	9 40	2 34	1 25	0 45	14 8
S 6	15 47	4 55	1 54	8 52	2 22	2 52	1 37	4 53	0 2	21 24	0 38	9 40	2 34	1 25	0 45	14 8
M 7	15 28	8 33	2 54	8 42	2 37	3 21	1 44	5 11	0 1	21 25	0 38	9 40	2 35	1 24	0 45	14 9
T 8	15 10	11 54	3 47	8 38	2 52	3 49	1 51	5 28	0 1	21 27	0 38	9 40	2 35	1 24	0 45	14 9
W 9	14 50	14 44	4 30	8 38	3 5	4 18	1 59	5 46	0n 0	21 28	0 38	9 39	2 35	1 23	0 45	14 9
T 10	14 31	16 52	4 59	8 42	3 17	4 46	2 6	6 3	0 1	21 29	0 38	9 39	2 35	1 22	0 45	14 9
F 11	14 12	18 5	5 12	8 51	3 27	5 14	2 14	6 20	0 2	21 31	0 38	9 39	2 36	1 22	0 45	14 10
S 12	13 52	18 11	5 6	9 4	3 35	5 42	2 22	6 38	0 3	21 32	0 38	9 39	2 36	1 21	0 45	14 10
S 13	13 32	17 3	4 39	9 20	3 40	6 10	2 30	6 55	0 4	21 33	0 38	9 38	2 36	1 20	0 45	14 10
M14	13 12	14 42	3 53	9 39	3 43	6 37	2 38	7 12	0 5	21 35	0 38	9 38	2 36	1 20	0 45	14 10
T 15	12 51	11 20	2 49	10 1	3 44	7 4	2 46	7 29	0 5	21 36	0 38	9 37	2 37	1 19	0 45	14 11
W16	12 31	7 12	1 34	10 24	3 43	7 31	2 54	7 46	0 6	21 37	0 38	9 37	2 37	1 18	0 45	14 11
T 17	12 10	2 39	0 13	10 48	3 39	7 57	3 2	8 3	0 7	21 38	0 39	9 36	2 37	1 17	0 45	14 11
F 18	11 49	1s56	1n 7	11 13	3 34	8 23	3 10	8 20	0 8	21 39	0 39	9 36	2 37	1 17	0 45	14 12
S 19	11 28	6 17	2 21	11 38	3 27	8 49	3 18	8 36	0 9	21 40	0 39	9 35	2 38	1 16	0 45	14 12
S 20	11 7	10 9	3 24	12 2	3 18	9 14	3 27	8 53	0 9	21 41	0 39	9 35	2 38	1 15	0 45	14 12
M21	10 45	13 21	4 14	12 25	3 7	9 39	3 35	9 9	0 10	21 42	0 39	9 34	2 38	1 14	0 45	14 13
T 22	10 23	15 48	4 49	12 48	2 56	10 4	3 44	9 26	0 11	21 43	0 39	9 34	2 38	1 13	0 45	14 13
W23	10 1	17 25	5 10	13 8	2 44	10 28	3 52	9 42	0 12	21 44	0 39	9 33	2 39	1 12	0 45	14 13
T 24	9 39	18 10	5 15	13 27	2 31	10 52	4 1	9 59	0 13	21 45	0 39	9 32	2 39	1 12	0 46	14 14
F 25	9 17	18 6	5 7	13 45	2 18	11 15	4 9	10 15	0 13	21 46	0 39	9 31	2 39	1 11	0 46	14 14
S 26	8 55	17 13	4 45	14 0	2 5	11 38	4 18	10 31	0 14	21 47	0 39	9 31	2 39	1 10	0 46	14 14
S 27	8 33	15 35	4 12	14 14	1 51	12 1	4 27	10 47	0 15	21 48	0 39	9 30	2 39	1 9	0 46	14 15
M28	8s10	13s18	3n27	14s26	1n37	12n23	4n35	11n 3	0n16	21n48	0n39	9s29	2n40	1s 8	0n46	14n15

Julian Day Number = 2348577.5, Delta T = 10.54 sec
 Ecliptic obliquity = 23°28'24", Nutation = 0°00'01", out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°48'17", Lahiri = 19°55'18"Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1718

geocentric

APRIL 1718

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	12 35 53	10°53'46	10°47'	19°50'	23°R21	20°8'18	24°27'	29°R42	3°R16	14°8'25	12°R44	25°R 5	24°27'	19°50'	10°47'	F 1
S 2	12 39 50	11°52'50	23°16'	21°27'	22°Y50	20°59'	24°29'	29°238	3°213	14°27'	12°43'	25°4	24°24'	19°7'	10°37'	S 2
S 3	12 43 46	12°51'52	5°58'	23° 5'	22°17'	21°40'	24°32'	29°34'	3°11'	14°29'	12°41'	25° 2	24°21'	19°14'	10°40'	S 3
M 4	12 47 43	13°50'52	18°53'	24°44'	21°42'	22°21'	24°34'	29°30'	3° 8'	14°31'	12°40'	24°59'	24°18'	19°21'	10°44'	M 4
T 5	12 51 39	14°49'50	2°11' 3	26°25'	21° 7'	23° 2'	24°37'	29°25'	3° 6'	14°33'	12°39'	24°56'	24°14'	19°27'	10°47'	T 5
W 6	12 55 36	15°48'45	15°27'	28° 7'	20°30'	23°43'	24°40'	29°21'	3° 3'	14°35'	12°37'	24°53'	24°11'	19°34'	10°50'	W 6
T 7	12 59 32	16°47'38	29° 4'	29°51'	19°53'	24°24'	24°43'	29°17'	3° 1'	14°37'	12°36'	24°51'	24° 8'	19°41'	10°54'	T 7
F 8	13 3 29	17°46'29	12°54'	1°Y37	19°16'	25° 5'	24°46'	29°12'	2°58'	14°39'	12°35'	24°D51	24° 5'	19°47'	10°57'	F 8
S 9	13 7 26	18°45'18	26°58'	3°24'	18°38'	25°46'	24°50'	29° 8'	2°56'	14°41'	12°34'	24°51'	24° 2'	19°54'	11° 0'	S 9
S 10	13 11 22	19°44'04	11°12'	5°12'	18° 0'	26°27'	24°53'	29° 3'	2°53'	14°43'	12°32'	24°52'	23°59'	20° 1'	11° 4'	S 10
M 11	13 15 19	20°42'48	25°37'	7° 2'	17°22'	27° 8'	24°57'	28°59'	2°51'	14°45'	12°31'	24°53'	23°55'	20° 7'	11° 7'	M 11
T 12	13 19 15	21°41'29	10°11' 8	8°54'	16°45'	27°48'	25° 1'	28°54'	2°48'	14°47'	12°30'	24°54'	23°52'	20°14'	11°10'	T 12
W 13	13 23 12	22°40'09	24°41'	10°47'	16° 9'	28°29'	25° 5'	28°50'	2°46'	14°49'	12°29'	24°R55	23°49'	20°21'	11°13'	W 13
T 14	13 27 8	23°38'46	9°21' 0	12°42'	15°34'	29°10'	25° 9'	28°45'	2°44'	14°51'	12°28'	24°54'	23°46'	20°27'	11°16'	T 14
F 15	13 31 5	24°37'21	23°31'	14°38'	15° 0'	29°50'	25°14'	28°41'	2°41'	14°53'	12°27'	24°52'	23°43'	20°34'	11°19'	F 15
S 16	13 35 1	25°35'54	7°11' 37	16°36'	14°27'	0°11'31	25°18'	28°36'	2°39'	14°56'	12°26'	24°49'	23°40'	20°41'	11°22'	S 16
S 17	13 38 58	26°34'26	21°25'	18°35'	13°56'	1°11'	25°23'	28°32'	2°37'	14°58'	12°25'	24°44'	23°36'	20°47'	11°25'	S 17
M 18	13 42 54	27°32'55	4°51' 51	20°36'	13°27'	1°52'	25°28'	28°27'	2°34'	15° 0'	12°24'	24°39'	23°33'	20°54'	11°28'	M 18
T 19	13 46 51	28°31'23	17°54'	22°38'	13° 0'	2°33'	25°33'	28°22'	2°32'	15° 2'	12°23'	24°34'	23°30'	21° 1'	11°31'	T 19
W 20	13 50 48	29°29'50	0°36' 36	24°42'	12°35'	3°13'	25°38'	28°18'	2°30'	15° 4'	12°22'	24°29'	23°27'	21° 7'	11°34'	W 20
T 21	13 54 44	0°28'14	12°59'	26°47'	12°12'	3°53'	25°44'	28°13'	2°28'	15° 6'	12°21'	24°26'	23°24'	21°14'	11°37'	T 21
F 22	13 58 41	1°26'38	25° 6'	28°53'	11°51'	4°34'	25°49'	28° 9'	2°26'	15° 9'	12°20'	24°25'	23°20'	21°21'	11°40'	F 22
S 23	14 2 37	2°24'59	7°22' 2	1°8' 0	11°33'	5°14'	25°55'	28° 4'	2°23'	15°11'	12°19'	24°D25	23°17'	21°27'	11°43'	S 23
S 24	14 6 34	3°23'19	18°52'	3° 8'	11°17'	5°55'	26° 1'	28° 0'	2°21'	15°13'	12°18'	24°26'	23°14'	21°34'	11°46'	S 24
M 25	14 10 30	4°21'37	0°42' 51	5°16'	11° 3'	6°35'	26° 7'	27°55'	2°19'	15°15'	12°17'	24°27'	23°11'	21°41'	11°48'	M 25
T 26	14 14 27	5°19'54	12°35'	7°25'	10°52'	7°15'	26°13'	27°51'	2°17'	15°18'	12°16'	24°29'	23° 8'	21°47'	11°51'	T 26
W 27	14 18 23	6°18'09	24°37'	9°35'	10°43'	7°55'	26°20'	27°46'	2°15'	15°20'	12°15'	24°R29	23° 5'	21°54'	11°54'	W 27
T 28	14 22 20	7°16'23	6°Y51	11°44'	10°37'	8°36'	26°26'	27°42'	2°13'	15°22'	12°15'	24°28'	23° 1'	22° 1'	11°56'	T 28
F 29	14 26 17	8°14'35	19°20'	13°53'	10°34'	9°16'	26°33'	27°37'	2°11'	15°24'	12°14'	24°26'	22°58'	22° 7'	11°59'	F 29
S 30	14 30 13	9°12'45	2°8' 6	16°8' 2	10°D32	9°11'56	26°39'	27°33'	2°9' 9	15°26'	12°13'	24°21'	22°55'	22°14'	12°1' 1	S 30

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	4n19	2n57	1s26	6s16	2s26	16n17	7n46	18n25	0n36	21n54	0n39	8s49	2n45	0s36	0n46	14n32	1s44	20n31	14n56	1n57	2n12	12s18	2s59	5n 1
S 2	4 42	6 44	2 30	5 38	2 26	16 3	7 44	18 37	0 37	21 53	0 39	8 47	2 45	0 35	0 46	14 32	1 44	20 32	14 56	1 58	2 14	12 17	2 57	5 1
S 3	5 5	10 16	3 27	4 58	2 25	15 48	7 41	18 48	0 37	21 53	0 39	8 45	2 45	0 34	0 46	14 33	1 44	20 32	14 55	1 59	2 15	12 15	2 56	5 1
M 4	5 28	13 22	4 15	4 18	2 24	15 32	7 37	18 59	0 38	21 53	0 39	8 44	2 45	0 33	0 46	14 34	1 44	20 32	14 55	2 0	2 16	12 14	2 54	5 1
T 5	5 51	15 51	4 51	3 37	2 23	15 14	7 33	19 10	0 38	21 52	0 39	8 42	2 45	0 32	0 46	14 34	1 44	20 33	14 55	2 1	2 17	12 13	2 53	5 1
W 6	6 14	17 31	5 11	2 54	2 21	14 55	7 27	19 21	0 39	21 52	0 39	8 41	2 45	0 31	0 46	14 35	1 44	20 33	14 55	2 2	2 19	12 11	2 52	5 1
T 7	6 37	18 14	5 14	2 10	2 18	14 35	7 21	19 32	0 39	21 51	0 39	8 39	2 46	0 30	0 46	14 35	1 44	20 33	14 55	2 3	2 20	12 10	2 50	5 1
F 8	6 59	17 52	5 0	1 26	2 16	14 14	7 14	19 42	0 40	21 50	0 39	8 37	2 46	0 29	0 46	14 36	1 44	20 34	14 54	2 3	2 21	12 9	2 49	5 2
S 9	7 21	16 25	4 27	0 40	2 12	13 52	7 6	19 53	0 40	21 50	0 39	8 36	2 46	0 28	0 46	14 37	1 44	20 34	14 54	2 3	2 22	12 7	2 48	5 2
S 10	7 44	13 57	3 38	0n 7	2 8	13 29	6 57	20 3	0 41	21 49	0 39	8 34	2 46	0 27	0 46	14 37	1 44	20 34	14 54	2 3	2 24	12 6	2 46	5 2
M11	8 6	10 35	2 34	0 54	2 4	13 6	6 48	20 13	0 41	21 48	0 39	8 33	2 46	0 26	0 46	14 38	1 44	20 34	14 54	2 2	2 25	12 4	2 45	5 2
T 12	8 28	6 32	1 20	1 43	1 59	12 42	6 38	20 22	0 42	21 48	0 39	8 31	2 46	0 25	0 46	14 39	1 44	20 35	14 54	2 2	2 26	12 3	2 44	5 2
W13	8 50	2 6	0 1	2 32	1 53	12 18	6 27	20 32	0 42	21 47	0 39	8 29	2 46	0 24	0 46	14 39	1 44	20 35	14 53	2 1	2 28	12 2	2 42	5 2
T 14	9 12	2s27	1n17	3 23	1 47	11 54	6 16	20 41	0 43	21 46	0 39	8 28	2 46	0 23	0 46	14 40	1 44	20 35	14 53	2 2	2 29	12 0	2 41	5 2
F 15	9 33	6 49	2 30	4 14	1 41	11 30	6 4	20 51	0 43	21 45	0 39	8 26	2 46	0 22	0 46	14 40	1 44	20 35	14 53	2 2	2 30	11 59	2 40	5 2
S 16	9 55	10 43	3 33	5 6	1 34	11 6	5 51	21 0	0 43	21 44	0 39	8 25	2 46	0 22	0 45	14 41	1 44	20 36	14 53	2 4	2 31	11 57	2 39	5 3
S 17	10 16	13 56	4 21	5 58	1 26	10 42	5 38	21 9	0 44	21 43	0 39	8 23	2 46	0 21	0 45	14 42	1 44	20 36	14 52	2 6	2 33	11 56	2 37	5 3
M18	10 37	16 19	4 54	6 51	1 18	10 18	5 25	21 17	0 44	21 43	0 39	8 21	2 46	0 20	0 45	14 42	1 44	20 36	14 52	2 8	2 34	11 55	2 36	5 3
T 19	10 58	17 47	5 10	7 44	1 10	9 55	5 11	21 26	0 45	21 42	0 39	8 20	2 46	0 19	0 45	14 43	1 44	20 36	14 52	2 10	2 35	11 53	2 35	5 3
W20	11 19	18 18	5 10	8 38	1 1	9 32	4 58	21 34	0 45	21 41	0 39	8 18	2 46	0 18	0 45	14 44	1 44	20 36	14 52	2 12	2 36	11 52	2 34	5 3
T 21	11 39	17 56	4 56	9 32	0 52	9 10	4 44	21 42	0 46	21 40	0 39	8 16	2 46	0 17	0 45	14 44	1 44	20 36	14 51	2 13	2 38	11 50	2 32	5 3
F 22	12 0	16 44	4 29	10 26	0 42	8 49	4 30	21 50	0 46	21 39	0 39	8 15	2 46	0 16	0 45	14 45	1 44	20 36	14 51	2 13	2 39	11 49	2 31	5 4
S 23	12 20	14 50	3 50	11 20	0 33	8 29	4 15	21 58	0 47	21 37	0 39	8 13	2 46	0 16	0 45	14 46	1 44	20 36	14 51	2 13	2 40	11 48	2 30	5 4
S 24	12 40	12 18	3 2	12 13	0 22	8 10	4 1	22 6	0 47	21 36	0 38	8 12	2 46	0 15	0 45	14 46	1 44	20 37	14 50	2 13	2 41	11 46	2 29	5 4
M25	13 0	9 17	2 6	13 7	0 12	7 51	3 47	22 13	0 47	21 35	0 38	8 10	2 46	0 14	0 45	14 47	1 44	20 37	14 50	2 12	2 43	11 45	2 27	5 4
T 26	13 19	5 51	1 4	13 59	0 1	7 34	3 33	22 20	0 48	21 34	0 38	8 9	2 46	0 13	0 45	14 48	1 44	20 37	14 50	2 12	2 44	11 43	2 26	5 4
W27	13 38	2 9	0s 1	14 51	0n 9	7 18	3 19	22 27	0 48	21 33	0 38	8 7	2 46	0 12	0 45	14 48	1 44	20 37	14 49	2 12	2 45	11 42	2 25	5 4
T 28	13 58	1n42	1 7	15 41	0 20	7 3	3 5	22 34	0 49	21 32	0 38	8 5	2 46	0 12	0 45	14 49	1 43	20 37	14 49	2 12	2 46	11 41	2 24	5 5
F 29	14 16	5 34	2 11	16 31	0 30	6 48	2 51	22 41	0 49	21 30	0 38	8 4	2 45	0 11	0 45	14 50	1 43	20 37	14 49	2 13	2 48	11 39	2 23	5 5
S 30	14n35	9n15	3s 9	17n19	0n41	6n35	2n38	22n47	0n49	21n29	0n38	8s 2	2n45	0s10	0n45	14n50	1s43	20n37	14n48	2n15	2n49	11s38	2s22	5n 1

ASTRODIENST EPHEMERIS for the year 1718
geocentric

MAY 1718

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	14 34 10	10♌10'54	15♌10	18♌9	10♏33	10♏36	26♌46	27°R28	2°R 7	15♌29	12°R12	24°R14	22♏52	22♏21	12♏4	S 1
M 2	14 38 6	11° 9'01	28°29	20°16	10°36	11°16	26°53	27♌24	2♌6	15°31	12♏12	24♏7	22°49	22°27	12° 6	M 2
T 3	14 42 3	12° 7'06	12♏4	22°20	10°42	11°56	27° 0	27°19	2° 4	15°33	12°11	23°59	22°45	22°34	12° 8	T 3
W 4	14 45 59	13° 5'09	25°50	24°24	10°50	12°36	27° 8	27°15	2° 2	15°35	12°11	23°51	22°42	22°41	12°11	W 4
T 5	14 49 56	14° 3'11	9♌46	26°25	11° 0	13°16	27°15	27°11	2° 0	15°38	12°10	23°45	22°39	22°47	12°13	T 5
F 6	14 53 52	15° 1'11	23°48	28°24	11°12	13°56	27°23	27° 7	1°59	15°40	12° 9	23°41	22°36	22°54	12°15	F 6
S 7	14 57 49	15°59'09	7♏54	0♏20	11°26	14°36	27°30	27° 2	1°57	15°42	12° 9	23°39	22°33	23° 1	12°18	S 7
S 8	15 1 46	16°57'05	22° 3	2°14	11°42	15°16	27°38	26°58	1°55	15°45	12° 8	23°D39	22°30	23° 7	12°20	S 8
M 9	15 5 42	17°54'59	6♏12	4° 5	12° 0	15°56	27°46	26°54	1°54	15°47	12° 8	23°40	22°26	23°14	12°22	M 9
T 10	15 9 39	18°52'51	20°22	5°53	12°20	16°36	27°54	26°50	1°52	15°49	12° 7	23°R41	22°23	23°21	12°24	T 10
W11	15 13 35	19°50'42	4♌29	7°38	12°41	17°16	28° 2	26°46	1°51	15°51	12° 7	23°40	22°20	23°27	12°26	W11
T 12	15 17 32	20°48'30	18°32	9°20	13° 4	17°55	28°11	26°42	1°49	15°54	12° 7	23°38	22°17	23°34	12°28	T 12
F 13	15 21 28	21°46'17	2♏27	10°58	13°29	18°35	28°19	26°38	1°48	15°56	12° 6	23°33	22°14	23°41	12°30	F 13
S 14	15 25 25	22°44'03	16°12	12°33	13°56	19°15	28°28	26°34	1°47	15°58	12° 6	23°26	22°11	23°47	12°31	S 14
S 15	15 29 21	23°41'47	29°43	14° 5	14°24	19°54	28°36	26°30	1°45	16° 0	12° 6	23°16	22° 7	23°54	12°33	S 15
M16	15 33 18	24°39'30	12♏58	15°34	14°54	20°34	28°45	26°27	1°44	16° 2	12° 6	23° 6	22° 4	24° 1	12°35	M16
T 17	15 37 15	25°37'12	25°54	16°58	15°25	21°14	28°54	26°23	1°43	16° 5	12° 5	22°56	22° 1	24° 7	12°37	T 17
W18	15 41 11	26°34'53	8♌32	18°20	15°58	21°53	29° 3	26°19	1°42	16° 7	12° 5	22°46	21°58	24°14	12°38	W18
T 19	15 45 8	27°32'32	20°53	19°37	16°32	22°33	29°12	26°16	1°41	16° 9	12° 5	22°39	21°55	24°21	12°40	T 19
F 20	15 49 4	28°30'10	2♏59	20°52	17° 7	23°12	29°21	26°12	1°40	16°11	12° 5	22°33	21°51	24°27	12°42	F 20
S 21	15 53 1	29°27'48	14°56	22° 2	17°43	23°52	29°30	26° 9	1°39	16°14	12° 5	22°30	21°48	24°34	12°43	S 21
S 22	15 56 57	0♏25'24	26°46	23° 9	18°21	24°32	29°40	26° 5	1°38	16°16	12° 5	22°D29	21°45	24°41	12°44	S 22
M23	16 0 54	1°22'59	8♏35	24°12	19° 0	25°11	29°49	26° 2	1°37	16°18	12° 5	22°29	21°42	24°47	12°46	M23
T 24	16 4 50	2°20'33	20°30	25°11	19°40	25°50	29°59	25°59	1°36	16°20	12°D 5	22°R30	21°39	24°54	12°47	T 24
W25	16 8 47	3°18'07	2°Y34	26° 6	20°20	26°30	0♏9	25°56	1°35	16°22	12° 5	22°29	21°36	25° 1	12°48	W25
T 26	16 12 44	4°15'39	14°53	26°57	21° 2	27° 9	0°18	25°53	1°34	16°25	12° 5	22°27	21°32	25° 7	12°50	T 26
F 27	16 16 40	5°13'11	27°31	27°44	21°45	27°49	0°28	25°50	1°34	16°27	12° 5	22°23	21°29	25°14	12°51	F 27
S 28	16 20 37	6°10'42	10♌30	28°27	22°29	28°28	0°38	25°47	1°33	16°29	12° 5	22°16	21°26	25°21	12°52	S 28
S 29	16 24 33	7° 8'12	23°51	29° 6	23°14	29° 7	0°48	25°44	1°32	16°31	12° 5	22° 6	21°23	25°27	12°53	S 29
M30	16 28 30	8° 5'41	7♏33	29°40	24° 0	29°47	0°58	25°41	1°32	16°33	12° 5	21°55	21°20	25°34	12°54	M30
T 31	16 32 26	9♏3'09	21♏33	0♏10	24°Y46	0♏26	1♏9	25♌38	1♌31	16♌35	12♏5	21♏44	21♏17	25♌41	12♏55	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
S 1	14n54	12n35	3s59	18n 5	0n51	6n24	2n24	22n53	0n50	21n28	0n38	8s 1	2n45	0s 9	0n45	14n51	1s43	20n37	14n48	2n17	2n50	11s36	2s21	5n 5			
M 2	15 12	15 20	4 38	18 49	1 1	6 13	2 11	22 59	0 50	21 26	0 38	7 59	2 45	0 9	0 45	14 52	1 43	20 37	14 48	2 20	2 51	11 35	2 20	5 5			
T 3	15 30	17 18	5 1	19 32	1 11	6 3	1 58	23 5	0 51	21 25	0 38	7 58	2 45	0 8	0 45	14 52	1 43	20 37	14 47	2 24	2 53	11 34	2 18	5 5			
W 4	15 47	18 17	5 7	20 12	1 20	5 55	1 46	23 11	0 51	21 23	0 38	7 56	2 45	0 7	0 45	14 53	1 43	20 36	14 47	2 27	2 54	11 32	2 17	5 6			
T 5	16 5	18 12	4 56	20 50	1 29	5 47	1 33	23 16	0 51	21 22	0 38	7 55	2 45	0 7	0 45	14 54	1 43	20 36	14 47	2 29	2 55	11 31	2 16	5 6			
F 6	16 22	17 0	4 26	21 25	1 38	5 41	1 21	23 22	0 52	21 20	0 38	7 54	2 45	0 6	0 45	14 54	1 43	20 36	14 46	2 31	2 56	11 29	2 15	5 6			
S 7	16 39	14 46	3 41	21 58	1 45	5 36	1 10	23 27	0 52	21 19	0 38	7 52	2 45	0 5	0 45	14 55	1 43	20 36	14 46	2 31	2 58	11 28	2 14	5 6			
S 8	16 55	11 38	2 42	22 28	1 52	5 32	0 58	23 31	0 52	21 17	0 38	7 51	2 45	0 5	0 45	14 56	1 43	20 36	14 46	2 31	2 59	11 26	2 13	5 6			
M 9	17 12	7 49	1 33	22 56	1 59	5 28	0 47	23 36	0 53	21 16	0 38	7 49	2 45	0 4	0 45	14 56	1 43	20 36	14 45	2 31	3 0	11 25	2 12	5 7			
T 10	17 28	3 33	0 18	23 22	2 4	5 26	0 37	23 41	0 53	21 14	0 38	7 48	2 44	0 4	0 45	14 57	1 43	20 36	14 45	2 31	3 1	11 23	2 11	5 7			
W11	17 43	0s54	0n58	23 44	2 9	5 25	0 26	23 45	0 53	21 12	0 38	7 47	2 44	0 3	0 45	14 57	1 43	20 35	14 45	2 31	3 3	11 22	2 10	5 7			
T 12	17 59	5 17	2 9	24 5	2 14	5 25	0 16	23 49	0 54	21 11	0 38	7 45	2 44	0 3	0 45	14 58	1 43	20 35	14 44	2 32	3 4	11 21	2 9	5 7			
F 13	18 14	9 20	3 12	24 23	2 17	5 26	0 6	23 53	0 54	21 9	0 38	7 44	2 44	0 2	0 45	14 59	1 43	20 35	14 44	2 34	3 5	11 19	2 9	5 8			
S 14	18 29	12 50	4 3	24 38	2 19	5 27	0s 3	23 56	0 54	21 7	0 38	7 43	2 44	0 2	0 45	14 59	1 43	20 35	14 43	2 37	3 7	11 18	2 8	5 8			
S 15	18 43	15 34	4 39	24 51	2 21	5 30	0 13	24 0	0 55	21 6	0 38	7 42	2 44	0 1	0 45	15 0	1 43	20 35	14 43	2 40	3 8	11 16	2 7	5 8			
M16	18 58	17 26	4 59	25 2	2 22	5 33	0 22	24 3	0 55	21 4	0 38	7 40	2 44	0 1	0 45	15 1	1 43	20 34	14 43	2 45	3 9	11 15	2 6	5 8			
T 17	19 12	18 21	5 4	25 11	2 22	5 37	0 30	24 6	0 55	21 2	0 38	7 39	2 43	0 0	0 45	15 1	1 43	20 34	14 42	2 49	3 10	11 13	2 5	5 8			
W18	19 25	18 20	4 53	25 18	2 21	5 42	0 39	24 9	0 56	21 0	0 38	7 38	2 43	0n 0	0 45	15 2	1 43	20 34	14 42	2 52	3 12	11 12	2 4	5 9			
T 19	19 38	17 26	4 28	25 23	2 19	5 47	0 47	24 12	0 56	20 58	0 38	7 37	2 43	0 1	0 44	15 3	1 43	20 34	14 42	2 55	3 13	11 10	2 3	5 9			
F 20	19 51	15 45	3 52	25 25	2 16	5 54	0 54	24 14	0 56	20 56	0 38	7 36	2 43	0 1	0 44	15 3	1 43	20 33	14 41	2 57	3 14	11 9	2 3	5 9			
S 21	20 4	13 25	3 6	25 27	2 13	6 1	1 2	24 16	0 57	20 54	0 38	7 35	2 43	0 1	0 44	15 4	1 43	20 33	14 41	2 59	3 15	11 8	2 2	5 9			
S 22	20 16	10 32	2 13	25 26	2 8	6 8	1 9	24 18	0 57	20 52	0 38	7 34	2 43	0 2	0 44	15 4	1 44	20 33	14 40	2 59	3 17	11 6	2 1	5 10			
M23	20 28	7 13	1 13	25 24	2 3	6 17	1 16	24 20	0 57	20 50	0 38	7 33	2 42	0 2	0 44	15 5	1 44	20 32	14 40	2 59	3 18	11 5	2 0	5 10			
T 24	20 40	3 36	0 11	25 20	1 57	6 26	1 23	24 22	0 57	20 48	0 38	7 32	2 42	0 2	0 44	15 6	1 44	20 32	14 40	2 59	3 19	11 3	2 0	5 10			
W25	20 51	0n12	0s53	25 15	1 50	6 35	1 29	24 23	0 58	20 46	0 38	7 31	2 42	0 3	0 44	15 6	1 44	20 32	14 39	2 59	3 20	11 2	1 59	5 10			
T 26	21 2	4 5	1 56	25 8	1 42	6 45	1 35	24 25	0 58	20 44	0 38	7 30	2 42	0 3	0 44	15 7	1 44	20 31	14 39	3 0	3 22	11 0	1 58	5 11			
F 27	21 12	7 53	2 55	25 0	1 33	6 56	1 41	24 26	0 58	20 42	0 38	7 29	2 42	0 3	0 44	15 7	1 44	20 31	14 38	3 2	3 23	10 59	1 58	5 11			
S 28	21 22	11 25	3 46	24 51	1 24	7 7	1 47	24 26	0 59	20 40	0 38	7 28	2 41	0 3	0 44	15 8	1 44	20 30	14 38	3 4	3 24	10 57	1 57	5 11			
S 29	21 32	14 28	4 26	24 41	1 13	7 18	1 52	24 27	0 59	20 38	0 38	7 27	2 41	0 4	0 44	15 9	1 44	20 30	14 38	3 8	3 25	10 56	1 56	5 11			
M30	21 41	16 48	4 52	24 30	1 12	7 30	1 57	24 27	0 59	20 35	0 38	7 26	2 41	0 4	0 44	15 9	1 44	20 30	14 37	3 12	3 27	10 54	1 56	5 12			
T 31	21n50	18n11	5s 1	24n18	0n50	7n43	2s 2	24n28	0n59	20n33	0n38	7s26	2n41	0n 4	0n44	15n10	1s44	20n29	14n37	3n17	3n28	10s53	1s55	5n12			

ASTRODIENST EPHEMERIS for the year 1718

geocentric

JULY 1718

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	18 34 40	8°38'39	14°28	22°43	23°29	20°33	7°3	24°59	1°42	17°33	12°27	18°R31	19°38	29°7	12°R56	F 1
S 2	18 38 36	9°35'52	29° 9	22°50	24°31	21°11	7°15	25° 0	1°43	17°35	12°28	18°28	19°35	29°14	12°56	S 2
S 3	18 42 33	10°33'05	13°38	23° 2	25°33	21°50	7°28	25° 0	1°44	17°36	12°30	18°D27	19°32	29°20	12°55	S 3
M 4	18 46 29	11°30'17	27°53	23°19	26°35	22°28	7°40	25° 1	1°45	17°38	12°31	18°27	19°29	29°27	12°54	M 4
T 5	18 50 26	12°27'29	11°52	23°40	27°38	23° 7	7°52	25° 1	1°47	17°39	12°32	18°R27	19°25	29°34	12°53	T 5
W 6	18 54 22	13°24'41	25°35	24° 8	28°41	23°46	8° 5	25° 2	1°48	17°41	12°33	18°26	19°22	29°40	12°52	W 6
T 7	18 58 19	14°21'52	9°3	24°40	29°44	24°24	8°17	25° 3	1°49	17°42	12°35	18°24	19°19	29°47	12°51	T 7
F 8	19 2 15	15°19'04	22°17	25°17	0°47	25° 3	8°30	25° 4	1°51	17°44	12°36	18°19	19°16	29°54	12°49	F 8
S 9	19 6 12	16°16'16	5°18	25°59	1°51	25°41	8°43	25° 5	1°52	17°45	12°37	18°12	19°13	0°7	12°48	S 9
S 10	19 10 9	17°13'28	18° 7	26°47	2°55	26°20	8°55	25° 6	1°54	17°46	12°39	18° 3	19° 9	0° 7	12°47	S 10
M 11	19 14 5	18°10'40	0°43	27°39	3°59	26°58	9° 8	25° 7	1°56	17°48	12°40	17°52	19° 6	0°13	12°46	M 11
T 12	19 18 2	19° 7'53	13° 9	28°36	5° 3	27°37	9°21	25° 8	1°57	17°49	12°41	17°42	19° 3	0°20	12°44	T 12
W 13	19 21 58	20° 5'05	25°23	29°39	6° 8	28°15	9°33	25° 9	1°59	17°50	12°43	17°32	19° 0	0°27	12°43	W 13
T 14	19 25 55	21° 2'18	7°28	0°46	7°12	28°54	9°46	25°11	2° 1	17°52	12°44	17°24	18°57	0°33	12°41	T 14
F 15	19 29 51	21°59'32	19°24	1°57	8°17	29°32	9°59	25°12	2° 3	17°53	12°46	17°18	18°54	0°40	12°40	F 15
S 16	19 33 48	22°56'46	1°14	3°14	9°22	0°11	10°12	25°14	2° 4	17°54	12°47	17°14	18°50	0°47	12°38	S 16
S 17	19 37 45	23°54'01	13° 1	4°34	10°27	0°49	10°25	25°16	2° 6	17°55	12°49	17°D13	18°47	0°53	12°37	S 17
M 18	19 41 41	24°51'17	24°49	6° 0	11°33	1°27	10°38	25°18	2° 8	17°56	12°50	17°13	18°44	1° 0	12°35	M 18
T 19	19 45 38	25°48'33	6°43	7°29	12°38	2° 6	10°51	25°20	2°10	17°57	12°52	17°14	18°41	1° 7	12°33	T 19
W 20	19 49 34	26°45'50	18°46	9° 3	13°44	2°44	11° 3	25°22	2°12	17°58	12°54	17°15	18°38	1°13	12°31	W 20
T 21	19 53 31	27°43'08	1° 5	10°41	14°50	3°23	11°16	25°24	2°14	17°59	12°55	17°R15	18°34	1°20	12°30	T 21
F 22	19 57 27	28°40'27	13°44	12°22	15°56	4° 1	11°29	25°26	2°16	18° 0	12°57	17°14	18°31	1°27	12°28	F 22
S 23	20 1 24	29°37'47	26°48	14° 8	17° 3	4°39	11°42	25°28	2°19	18° 1	12°58	17°11	18°28	1°33	12°26	S 23
S 24	20 5 20	0°35'09	10°19	15°56	18° 9	5°18	11°55	25°31	2°21	18° 2	13° 0	17° 6	18°25	1°40	12°24	S 24
M 25	20 9 17	1°32'31	24°18	17°48	19°16	5°56	12° 8	25°33	2°23	18° 3	13° 2	17° 0	18°22	1°47	12°22	M 25
T 26	20 13 14	2°29'54	8°43	19°42	20°23	6°34	12°22	25°36	2°25	18° 4	13° 4	16°53	18°19	1°53	12°20	T 26
W 27	20 17 10	3°27'18	23°30	21°39	21°30	7°13	12°35	25°38	2°28	18° 5	13° 5	16°47	18°15	2° 0	12°18	W 27
T 28	20 21 7	4°24'43	8°30	23°38	22°37	7°51	12°48	25°41	2°30	18° 6	13° 7	16°41	18°12	2° 7	12°16	T 28
F 29	20 25 3	5°22'08	23°35	25°39	23°44	8°29	13° 1	25°44	2°33	18° 7	13° 9	16°38	18° 9	2°13	12°14	F 29
S 30	20 29 0	6°19'35	8°35	27°41	24°52	9° 8	13°14	25°47	2°35	18° 7	13°11	16°36	18° 6	2°20	12°12	S 30
S 31	20 32 56	7°17'02	23°23	29°45	25°59	9°46	13°27	25°50	2°37	18° 8	13°12	16°D36	18°3	2°27	12°9	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
F 1	23n11	13n48	2s50	18n52	4s25	15n48	2s58	22n59	1n 5	19n10	0n39	7s19	2n33	0s 1	0n43	15n25	1s45	20n10	14n25	4n33
S 2	23 8	10 13	1 41	18 59	4 18	16 3	2 57	22 53	1 6	19 7	0 39	7 19	2 33	0 2	0 43	15 26	1 45	20 9	14 25	4 34
S 3	23 3	6 3	0 26	19 7	4 11	16 19	2 57	22 47	1 6	19 3	0 39	7 19	2 33	0 2	0 43	15 26	1 45	20 8	14 24	4 35
M 4	22 58	1 37	0n50	19 16	4 3	16 34	2 56	22 41	1 6	19 0	0 39	7 20	2 32	0 3	0 43	15 26	1 45	20 7	14 24	4 35
T 5	22 53	2s50	2 1	19 26	3 53	16 49	2 55	22 35	1 6	18 57	0 39	7 20	2 32	0 3	0 43	15 27	1 45	20 7	14 24	4 34
W 6	22 48	7 2	3 4	19 38	3 43	17 4	2 54	22 28	1 6	18 54	0 39	7 21	2 32	0 4	0 42	15 27	1 45	20 6	14 23	4 35
T 7	22 42	10 48	3 56	19 50	3 32	17 19	2 53	22 21	1 6	18 51	0 39	7 21	2 32	0 5	0 42	15 27	1 45	20 5	14 23	4 36
F 8	22 36	13 57	4 34	20 2	3 21	17 33	2 51	22 15	1 6	18 47	0 39	7 22	2 31	0 5	0 42	15 28	1 45	20 4	14 23	4 38
S 9	22 29	16 21	4 57	20 16	3 9	17 47	2 50	22 8	1 7	18 44	0 39	7 23	2 31	0 6	0 42	15 28	1 45	20 3	14 22	4 40
S 10	22 22	17 53	5 4	20 30	2 57	18 1	2 48	22 0	1 7	18 41	0 39	7 23	2 31	0 7	0 42	15 28	1 45	20 3	14 22	4 44
M 11	22 14	18 32	4 57	20 44	2 44	18 15	2 47	21 53	1 7	18 38	0 39	7 24	2 30	0 7	0 42	15 29	1 45	20 2	14 22	4 48
T 12	22 6	18 15	4 35	20 58	2 30	18 28	2 45	21 46	1 7	18 34	0 39	7 25	2 30	0 8	0 42	15 29	1 45	20 1	14 22	4 52
W 13	21 58	17 8	4 1	21 11	2 17	18 41	2 43	21 38	1 7	18 31	0 39	7 25	2 30	0 9	0 42	15 29	1 45	20 0	14 21	4 56
T 14	21 49	15 16	3 17	21 25	2 3	18 54	2 41	21 30	1 7	18 27	0 39	7 26	2 30	0 9	0 42	15 30	1 45	19 59	14 21	4 59
F 15	21 40	12 45	2 24	21 38	1 49	19 6	2 39	21 22	1 7	18 24	0 39	7 27	2 29	0 10	0 42	15 30	1 45	19 58	14 21	5 1
S 16	21 31	9 44	1 25	21 51	1 35	19 18	2 37	21 14	1 7	18 21	0 39	7 28	2 29	0 11	0 42	15 30	1 45	19 58	14 20	5 3
S 17	21 21	6 20	0 23	22 2	1 21	19 29	2 35	21 6	1 7	18 17	0 39	7 29	2 29	0 12	0 42	15 30	1 45	19 57	14 20	5 3
M 18	21 11	2 41	0s41	22 13	1 7	19 41	2 33	20 58	1 8	18 14	0 39	7 30	2 29	0 13	0 42	15 31	1 45	19 56	14 20	5 3
T 19	21 1	1n 5	1 43	22 22	0 54	19 52	2 30	20 49	1 8	18 10	0 39	7 30	2 28	0 13	0 42	15 31	1 46	19 55	14 20	5 3
W 20	20 50	4 52	2 42	22 30	0 40	20 2	2 28	20 40	1 8	18 7	0 40	7 31	2 28	0 14	0 42	15 31	1 46	19 54	14 19	5 3
T 21	20 39	8 31	3 35	22 36	0 27	20 12	2 26	20 32	1 8	18 3	0 40	7 32	2 28	0 15	0 42	15 31	1 46	19 53	14 19	5 2
F 22	20 27	11 53	4 18	22 40	0 14	20 22	2 23	20 23	1 8	18 0	0 40	7 34	2 28	0 16	0 42	15 32	1 46	19 52	14 19	5 3
S 23	20 15	14 46	4 50	22 42	0 1	20 31	2 20	20 14	1 8	17 56	0 40	7 35	2 27	0 17	0 42	15 32	1 46	19 52	14 19	5 4
S 24	20 3	16 58	5 7	22 42	0n11	20 39	2 18	20 4	1 8	17 52	0 40	7 36	2 27	0 18	0 42	15 32	1 46	19 51	14 18	5 6
M 25	19 51	18 15	5 17	22 39	0 22	20 48	2 15	19 55	1 8	17 49	0 40	7 37	2 27	0 19	0 42	15 32	1 46	19 50	14 18	5 8
T 26	19 38	18 25	4 47	22 34	0 33	20 56	2 12	19 45	1 8	17 45	0 40	7 38	2 27	0 20	0 42	15 33	1 46	19 49	14 18	5 11
W 27	19 25	17 21	4 8	22 27	0 43	21 3	2 9	19 36	1 8	17 42	0 40	7 39	2 26	0 21	0 42	15 33	1 46	19 48	14 18	5 14
T 28	19 11	15 4	3 12	22 16	0 53	21 10	2 7	19 26	1 8	17 38	0 40	7 40	2 26	0 22	0 42	15 33	1 46	19 47	14 17	5 16
F 29	18 57	11 46	2 2	22 3	1 2	21 16	2 4	19 16	1 8	17 34	0 40	7 42	2 26	0 23	0 42	15 33	1 46	19 46	14 17	5 17
S 30	18 43	7 41	0 43	21 48	1 10	21 22	2 1	19 6	1 8	17 31	0 40	7 43	2 26	0 24	0 42	15 33	1 46	19 45	14 17	5 18
S 31	18n29	3n12	0n37	21n29	1n17	21n27	1s58	18n56	1n 9	17n27	0n40	7s44	2n25	0s25	0n42	15n33	1s46	19n44	14n17	5n18

Julian Day Number = 2348727.5, Delta T = 10.52 sec
 Ecliptic obliquity = 23°28'24, Nutation = - 0°00'03, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°48'38, Lahiri = 19°55'38Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1718
geocentric

AUGUST 1718

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	20 36 53	8♌14'30	7♊53	1♏49	27♊7	10♌24	13♏40	25♊53	2♊40	18♏9	13♎14	16♎37	18♎0	2♋33	12♏7	M 1
T 2	20 40 49	9♎11'59	22° 2	3°53	28°15	11° 3	13°53	25°56	2°43	18°10	13°16	16°38	17°56	2°40	12♋5	T 2
W 3	20 44 46	10° 9'28	5♎49	5°58	29°23	11°41	14° 6	26° 0	2°45	18°10	13°18	16°R39	17°53	2°46	12° 2	W 3
T 4	20 48 42	11° 6'58	19°14	8° 2	0♊31	12°19	14°20	26° 3	2°48	18°11	13°20	16°39	17°50	2°53	12° 0	T 4
F 5	20 52 39	12° 4'29	2♊20	10° 7	1°39	12°57	14°33	26° 7	2°51	18°11	13°22	16°37	17°47	3° 0	11°58	F 5
S 6	20 56 36	13° 2'01	15° 9	12°10	2°47	13°36	14°46	26°10	2°53	18°12	13°24	16°34	17°44	3° 6	11°55	S 6
S 7	21 0 32	13°59'34	27°43	14°13	3°56	14°14	14°59	26°14	2°56	18°12	13°26	16°30	17°40	3°13	11°53	S 7
M 8	21 4 29	14°57'07	10♊5	16°15	5° 4	14°52	15°12	26°17	2°59	18°13	13°27	16°24	17°37	3°20	11°50	M 8
T 9	21 8 25	15°54'42	22°16	18°16	6°13	15°30	15°25	26°21	3° 2	18°13	13°29	16°19	17°34	3°26	11°48	T 9
W10	21 12 22	16°52'18	4♎19	20°15	7°22	16° 9	15°38	26°25	3° 5	18°14	13°31	16°14	17°31	3°33	11°45	W10
T 11	21 16 18	17°49'55	16°14	22°14	8°31	16°47	15°52	26°29	3° 7	18°14	13°33	16°10	17°28	3°40	11°43	T 11
F 12	21 20 15	18°47'33	28° 5	24°11	9°40	17°25	16° 5	26°33	3°10	18°15	13°35	16° 8	17°25	3°46	11°40	F 12
S 13	21 24 11	19°45'12	9♋53	26° 7	10°49	18° 3	16°18	26°37	3°13	18°15	13°37	16° 6	17°21	3°53	11°38	S 13
S 14	21 28 8	20°42'53	21°40	28° 2	11°58	18°41	16°31	26°41	3°16	18°15	13°39	16°D 6	17°18	4° 0	11°35	S 14
M15	21 32 5	21°40'35	3♊30	29°55	13° 8	19°20	16°44	26°46	3°19	18°15	13°41	16° 7	17°15	4° 6	11°32	M15
T 16	21 36 1	22°38'19	15°26	1♎47	14°17	19°58	16°57	26°50	3°22	18°16	13°43	16° 9	17°12	4°13	11°30	T 16
W17	21 39 58	23°36'05	27°31	3°37	15°27	20°36	17°10	26°54	3°26	18°16	13°45	16°10	17° 9	4°20	11°27	W17
T 18	21 43 54	24°33'52	9♊51	5°26	16°37	21°14	17°23	26°59	3°29	18°16	13°48	16°12	17° 6	4°26	11°24	T 18
F 19	21 47 51	25°31'41	22°28	7°14	17°46	21°52	17°36	27° 3	3°32	18°16	13°50	16°R12	17° 2	4°33	11°21	F 19
S 20	21 51 47	26°29'31	5♊28	9° 0	18°56	22°31	17°50	27° 8	3°35	18°16	13°52	16°12	16°59	4°39	11°19	S 20
S 21	21 55 44	27°27'24	18°53	10°45	20° 7	23° 9	18° 3	27°13	3°38	18°16	13°54	16°11	16°56	4°46	11°16	S 21
M22	21 59 40	28°25'18	2♊45	12°28	21°17	23°47	18°16	27°17	3°41	18°R16	13°56	16° 9	16°53	4°53	11°13	M22
T 23	22 3 37	29°23'14	17° 5	14°11	22°27	24°25	18°29	27°22	3°45	18°16	13°58	16° 7	16°50	4°59	11°10	T 23
W24	22 7 34	0♎21'12	1♏48	15°52	23°38	25° 3	18°42	27°27	3°48	18°16	14° 0	16° 5	16°46	5° 6	11° 7	W24
T 25	22 11 30	1°19'11	16°49	17°31	24°48	25°42	18°55	27°32	3°51	18°16	14° 2	16° 4	16°43	5°13	11° 5	T 25
F 26	22 15 27	2°17'13	2♎0	19°10	25°59	26°20	19° 8	27°37	3°55	18°16	14° 4	16° 3	16°40	5°19	11° 2	F 26
S 27	22 19 23	3°15'15	17°11	20°47	27° 9	26°58	19°21	27°42	3°58	18°16	14° 6	16°D 2	16°37	5°26	10°59	S 27
S 28	22 23 20	4°13'19	2♊53	22°22	28°20	27°36	19°34	27°48	4° 1	18°16	14° 9	16° 3	16°34	5°33	10°56	S 28
M29	22 27 16	5°11'25	16°58	23°57	29°31	28°14	19°46	27°53	4° 5	18°15	14°11	16° 3	16°31	5°39	10°53	M29
T 30	22 31 13	6° 9'32	1♎20	25°30	0♊42	28°53	19°59	27°58	4° 8	18°15	14°13	16° 4	16°27	5°46	10°50	T 30
W31	22 35 9	7♎7'41	15♎17	27♎2	1♏53	29♏31	20♏12	28♊3	4♊12	18♏15	14♎15	16♎5	16♎24	5♋53	10♋47	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
M 1	18n14	1s24	1n53	21n 8	1n24	21n32	1s54	18n45	1n 9	17n23	0n40	7s46	2n25	0s26
T 2	17 59	5 47	3 1	20 45	1 29	21 36	1 51	18 35	1 9	17 20	0 40	7 47	2 25	0 27
W 3	17 43	9 45	3 57	20 19	1 34	21 40	1 48	18 24	1 9	17 16	0 40	7 49	2 25	0 28
T 4	17 28	13 6	4 37	19 51	1 38	21 43	1 45	18 14	1 9	17 12	0 40	7 50	2 24	0 29
F 5	17 12	15 43	5 3	19 21	1 41	21 46	1 42	18 3	1 9	17 8	0 40	7 51	2 24	0 30
S 6	16 56	17 28	5 12	18 49	1 43	21 48	1 38	17 52	1 9	17 4	0 41	7 53	2 24	0 31
S 7	16 39	18 21	5 6	18 16	1 45	21 50	1 35	17 41	1 9	17 1	0 41	7 54	2 24	0 32
M 8	16 22	18 20	4 46	17 40	1 46	21 51	1 32	17 30	1 9	16 57	0 41	7 56	2 23	0 33
T 9	16 5	17 28	4 13	17 3	1 46	21 51	1 28	17 18	1 9	16 53	0 41	7 58	2 23	0 35
W10	15 48	15 49	3 30	16 25	1 46	21 51	1 25	17 7	1 9	16 49	0 41	7 59	2 23	0 36
T 11	15 31	13 30	2 37	15 46	1 44	21 51	1 22	16 56	1 9	16 45	0 41	8 1	2 23	0 37
F 12	15 13	10 38	1 38	15 6	1 43	21 49	1 18	16 44	1 9	16 42	0 41	8 3	2 22	0 38
S 13	14 55	7 21	0 34	14 24	1 41	21 47	1 15	16 32	1 9	16 38	0 41	8 4	2 22	0 39
S 14	14 37	3 47	0s31	13 42	1 38	21 45	1 11	16 20	1 9	16 34	0 41	8 6	2 22	0 40
M15	14 18	0 3	1 35	13 0	1 35	21 42	1 8	16 8	1 9	16 30	0 41	8 8	2 22	0 42
T 16	13 59	3n42	2 35	12 16	1 31	21 38	1 4	15 56	1 9	16 26	0 41	8 9	2 22	0 43
W17	13 40	7 21	3 29	11 32	1 27	21 34	1 1	15 44	1 9	16 22	0 41	8 11	2 21	0 44
T 18	13 21	10 45	4 15	10 48	1 22	21 29	0 57	15 32	1 9	16 18	0 41	8 13	2 21	0 45
F 19	13 2	13 45	4 50	10 4	1 17	21 24	0 54	15 20	1 9	16 14	0 42	8 15	2 21	0 47
S 20	12 42	16 9	5 11	9 19	1 12	21 18	0 50	15 7	1 9	16 10	0 42	8 17	2 21	0 48
S 21	12 22	17 46	5 16	8 34	1 6	21 12	0 47	14 55	1 9	16 6	0 42	8 19	2 20	0 49
M22	12 2	18 24	5 3	7 49	1 0	21 4	0 43	14 42	1 9	16 2	0 42	8 20	2 20	0 51
T 23	11 42	17 53	4 32	7 4	0 54	20 57	0 40	14 29	1 9	15 58	0 42	8 22	2 20	0 52
W24	11 22	16 11	3 41	6 19	0 48	20 48	0 36	14 16	1 9	15 55	0 42	8 24	2 20	0 53
T 25	11 1	13 21	2 35	5 34	0 41	20 39	0 33	14 3	1 9	15 51	0 42	8 26	2 20	0 55
F 26	10 41	9 35	1 17	4 49	0 34	20 30	0 30	13 50	1 9	15 47	0 42	8 28	2 19	0 56
S 27	10 20	5 10	0n 6	4 4	0 27	20 20	0 26	13 37	1 9	15 43	0 42	8 30	2 19	0 57
S 28	9 59	0 28	1 29	3 20	0 20	20 9	0 23	13 24	1 9	15 39	0 42	8 32	2 19	0 59
M29	9 37	4s 9	2 43	2 36	0 12	19 58	0 19	13 11	1 9	15 35	0 43	8 34	2 19	1 0
T 30	9 16	8 25	3 46	1 52	0 5	19 46	0 16	12 58	1 9	15 31	0 43	8 36	2 19	1 1
W31	8n54	12s 5	4n33	1n 8	0s 3	19n34	0s12	12n44	1n 9	15n27	0n43	8s39	2n19	1s 3

Julian Day Number = 2348758.5, Delta T = 10.52 sec
Ecliptic obliquity = 23°28'24", Nutation = - 0°00'02", out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 20°48'42", Lahiri = 19°55'43Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1718

geocentric

SEPTEMBER 1718

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	22 39 6	8 ^h 5'51	28 ^m 48	28 ^m 33	3 ^h 4	0 ^m 9	20 ^s 25	28 ^s 9	4 ^s 15	18°R15	14 ^m 17	16 ^m 5	16 ^m 21	5 ^h 59	10°R44	T 1
F 2	22 43 3	9° 4'03	11 ^m 55	0 ^m 2	4°15	0°47	20°38	28°14	4°19	18 ^h 14	14°19	16°R 5	16°18	6° 6	10 ^h 41	F 2
S 3	22 46 59	10° 2'16	24°40	1°30	5°27	1°25	20°51	28°20	4°22	18°14	14°21	16° 5	16°15	6°13	10°39	S 3
S 4	22 50 56	11° 0'31	7 ^h 7	2°57	6°38	2° 3	21° 3	28°26	4°26	18°13	14°24	16° 5	16°12	6°19	10°36	S 4
M 5	22 54 52	11°58'47	19°20	4°23	7°50	2°42	21°16	28°31	4°29	18°13	14°26	16° 4	16° 8	6°26	10°33	M 5
T 6	22 58 49	12°57'05	1 ^h 22	5°47	9° 1	3°20	21°29	28°37	4°33	18°13	14°28	16° 4	16° 5	6°32	10°30	T 6
W 7	23 2 45	13°55'24	13°16	7°10	10°13	3°58	21°41	28°43	4°36	18°12	14°30	16° 4	16° 2	6°39	10°27	W 7
T 8	23 6 42	14°53'45	25° 6	8°32	11°25	4°36	21°54	28°49	4°40	18°11	14°32	16° 3	15°59	6°46	10°24	T 8
F 9	23 10 38	15°52'08	6 ^h 54	9°52	12°37	5°14	22° 6	28°54	4°44	18°11	14°34	16°D 3	15°56	6°52	10°21	F 9
S 10	23 14 35	16°50'32	18°42	11°11	13°48	5°52	22°19	29° 0	4°47	18°10	14°36	16°R 3	15°52	6°59	10°18	S 10
S 11	23 18 32	17°48'59	0 ^h 33	12°28	15° 1	6°31	22°31	29° 6	4°51	18°10	14°39	16° 3	15°49	7° 6	10°15	S 11
M12	23 22 28	18°47'27	12°30	13°44	16°13	7° 9	22°44	29°12	4°55	18° 9	14°41	16° 3	15°46	7°12	10°13	M12
T 13	23 26 25	19°45'57	24°33	14°58	17°25	7°47	22°56	29°18	4°58	18° 8	14°43	16° 3	15°43	7°19	10°10	T 13
W14	23 30 21	20°44'30	6 ^h 46	16°11	18°37	8°25	23° 9	29°25	5° 2	18° 8	14°45	16° 2	15°40	7°26	10° 7	W14
T 15	23 34 18	21°43'04	19°12	17°21	19°49	9° 3	23°21	29°31	5° 6	18° 7	14°47	16° 1	15°37	7°32	10° 4	T 15
F 16	23 38 14	22°41'41	1 ^h 52	18°30	21° 2	9°42	23°33	29°37	5° 9	18° 6	14°49	16° 1	15°33	7°39	10° 1	F 16
S 17	23 42 11	23°40'20	14°51	19°37	22°14	10°20	23°45	29°43	5°13	18° 5	14°52	16° 0	15°30	7°46	9°58	S 17
S 18	23 46 7	24°39'02	28°11	20°42	23°27	10°58	23°58	29°50	5°17	18° 4	14°54	16°D 0	15°27	7°52	9°56	S 18
M19	23 50 4	25°37'45	11 ^h 53	21°44	24°40	11°36	24°10	29°56	5°21	18° 4	14°56	16° 1	15°24	7°59	9°53	M19
T 20	23 54 0	26°36'31	2 ^h 59	22°44	25°52	12°14	24°22	0 ^m 2	5°24	18° 3	14°58	16° 1	15°21	8° 6	9°50	T 20
W21	23 57 57	27°35'19	10 ^h 28	23°42	27° 5	12°53	24°34	0° 9	5°28	18° 2	15° 0	16° 2	15°17	8°12	9°47	W21
T 22	0 1 54	28°34'10	25°15	24°36	28°18	13°31	24°46	0°15	5°32	18° 1	15° 2	16° 3	15°14	8°19	9°45	T 22
F 23	0 5 50	29°33'02	10 ^h 16	25°28	29°31	14° 9	24°58	0°22	5°36	18° 0	15° 4	16°R 4	15°11	8°25	9°42	F 23
S 24	0 9 47	0 ^h 31'57	25°22	26°16	0 ^m 44	14°47	25° 9	0°28	5°39	17°59	15° 6	16° 4	15° 8	8°32	9°39	S 24
S 25	0 13 43	1°30'53	10 ^h 25	27° 1	1°57	15°26	25°21	0°35	5°43	17°58	15° 9	16° 3	15° 5	8°39	9°37	S 25
M26	0 17 40	2°29'52	25°16	27°42	3°10	16° 4	25°33	0°42	5°47	17°57	15°11	16° 1	15° 2	8°45	9°34	M26
T 27	0 21 36	3°28'53	9 ^h 47	28°19	4°23	16°42	25°45	0°48	5°51	17°56	15°13	15°59	14°58	8°52	9°32	T 27
W28	0 25 33	4°27'55	23°54	28°51	5°37	17°20	25°56	0°55	5°55	17°55	15°15	15°56	14°55	8°59	9°29	W28
T 29	0 29 29	5°26'59	7 ^h 33	29°19	6°50	17°59	26° 8	1° 2	5°58	17°53	15°17	15°54	14°52	9° 5	9°26	T 29
F 30	0 33 26	6 ^h 26'05	20 ^h 45	29 ^h 40	8 ^h 3	18 ^h 37	26 ^h 19	1 ^h 8	6 ^h 2	17 ^h 52	15 ^h 19	15 ^h 53	14 ^h 49	9 ^h 12	9 ^h 24	F 30

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	8n33	14s59	5n 3	0n25	0s11	19n21	0s 9	12n31	1n 9	15n23	0n43	8s41	2n18	1s 4	0n41	15n33	1s48
F 2	8 11	17 1	5 17	0s18	0 19	19 8	0 6	12 17	1 9	15 19	0 43	8 43	2 18	1 6	0 41	15 33	1 48
S 3	7 49	18 8	5 14	1 1	0 27	18 54	0 3	12 3	1 9	15 15	0 43	8 45	2 18	1 7	0 41	15 33	1 48
S 4	7 27	18 21	4 57	1 43	0 35	18 39	0n 1	11 50	1 9	15 11	0 43	8 47	2 18	1 9	0 41	15 33	1 48
M 5	7 5	17 41	4 26	2 24	0 43	18 24	0 4	11 36	1 9	15 7	0 43	8 49	2 18	1 10	0 41	15 33	1 48
T 6	6 42	16 15	3 44	3 6	0 52	18 8	0 7	11 22	1 9	15 3	0 43	8 51	2 17	1 11	0 41	15 32	1 48
W 7	6 20	14 6	2 53	3 46	1 0	17 52	0 10	11 8	1 9	14 59	0 43	8 54	2 17	1 13	0 41	15 32	1 48
T 8	5 57	11 23	1 54	4 26	1 8	17 36	0 13	10 54	1 9	14 55	0 44	8 56	2 17	1 14	0 41	15 32	1 48
F 9	5 35	8 12	0 51	5 5	1 16	17 19	0 16	10 40	1 9	14 51	0 44	8 58	2 17	1 16	0 41	15 32	1 48
S 10	5 12	4 42	0s15	5 44	1 25	17 1	0 20	10 26	1 9	14 47	0 44	9 0	2 17	1 17	0 40	15 32	1 49
S 11	4 49	1 0	1 20	6 22	1 33	16 43	0 23	10 12	1 8	14 43	0 44	9 2	2 17	1 19	0 40	15 31	1 49
M12	4 26	2n46	2 22	6 59	1 41	16 24	0 25	9 57	1 8	14 39	0 44	9 5	2 16	1 20	0 40	15 31	1 49
T 13	4 3	6 27	3 18	7 35	1 49	16 5	0 28	9 43	1 8	14 35	0 44	9 7	2 16	1 22	0 40	15 31	1 49
W14	3 40	9 55	4 6	8 10	1 57	15 46	0 31	9 29	1 8	14 31	0 44	9 9	2 16	1 23	0 40	15 31	1 49
T 15	3 17	13 0	4 44	8 45	2 5	15 26	0 34	9 14	1 8	14 27	0 44	9 12	2 16	1 25	0 40	15 30	1 49
F 16	2 54	15 32	5 8	9 18	2 13	15 5	0 37	9 0	1 8	14 23	0 45	9 14	2 16	1 26	0 40	15 30	1 49
S 17	2 31	17 21	5 18	9 51	2 20	14 44	0 40	8 45	1 8	14 19	0 45	9 16	2 16	1 27	0 40	15 30	1 49
S 18	2 8	18 17	5 11	10 23	2 28	14 23	0 42	8 31	1 8	14 15	0 45	9 19	2 16	1 29	0 40	15 30	1 49
M19	1 44	18 12	4 46	10 53	2 35	14 1	0 45	8 16	1 8	14 12	0 45	9 21	2 15	1 30	0 40	15 29	1 49
T 20	1 21	16 59	4 4	11 22	2 42	13 39	0 47	8 1	1 8	14 8	0 45	9 23	2 15	1 32	0 40	15 29	1 49
W21	0 58	14 40	3 5	11 50	2 49	13 17	0 50	7 47	1 8	14 4	0 45	9 26	2 15	1 33	0 40	15 29	1 49
T 22	0 34	11 21	1 53	12 16	2 56	12 54	0 52	7 32	1 8	14 0	0 45	9 28	2 15	1 35	0 40	15 28	1 49
F 23	0 11	7 14	0 32	12 41	3 2	12 31	0 55	7 17	1 8	13 56	0 45	9 30	2 15	1 36	0 40	15 28	1 49
S 24	0s13	2 38	0n51	13 4	3 7	12 7	0 57	7 2	1 7	13 52	0 46	9 33	2 15	1 38	0 40	15 28	1 49
S 25	0 36	2s 7	2 11	13 25	3 13	11 43	0 59	6 47	1 7	13 48	0 46	9 35	2 15	1 39	0 40	15 28	1 49
M26	1 0	6 41	3 21	13 45	3 18	11 19	1 1	6 32	1 7	13 45	0 46	9 38	2 15	1 41	0 40	15 27	1 49
T 27	1 23	10 44	4 15	14 2	3 22	10 54	1 4	6 17	1 7	13 41	0 46	9 40	2 15	1 42	0 40	15 27	1 49
W28	1 47	14 2	4 53	14 17	3 26	10 29	1 6	6 2	1 7	13 37	0 46	9 42	2 14	1 44	0 40	15 26	1 49
T 29	2 10	16 27	5 13	14 30	3 29	10 4	1 8	5 47	1 7	13 33	0 46	9 45	2 14	1 45	0 40	15 26	1 49
F 30	2s34	17s55	5n15	14s40	3s31	9n38	1n10	5n32	1n 7	13n29	0n47	9s47	2n14	1s47	0n40	15n26	1s49

Julian Day Number = 2348789.5, Delta T = 10.52 sec
 Ecliptic obliquity = 23°28'24, Nutation = - 0°00'03, out-of-bounds declination in red
 Ayanamsha: Fagan/Bradley = 20°48'46, Lahiri = 19°55'47Greg. Calendar

ASTRODIENST EPHEMERIS for the year 1718
geocentric

OCTOBER 1718

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	0 37 23	7♂25'13	3♂33	29♂57	9♂17	19♂15	26♂31	1♂15	6♂ 6	17°R51	15♂21	15°D52	14♂46	9♂19	9°R22	S 1
S 2	0 41 19	8°24'23	16° 0	0♂ 6	10°30	19°53	26°42	1°22	6°10	17♂50	15°23	15♂52	14°43	9°25	9♂19	S 2
M 3	0 45 16	9°23'34	28° 9	0°R 9	11°44	20°32	26°53	1°29	6°13	17°49	15°25	15°53	14°39	9°32	9°17	M 3
T 4	0 49 12	10°22'47	10♂ 7	0° 5	12°57	21°10	27° 4	1°36	6°17	17°47	15°27	15°55	14°36	9°39	9°14	T 4
W 5	0 53 9	11°22'02	21°58	29♂54	14°11	21°48	27°15	1°43	6°21	17°46	15°29	15°56	14°33	9°45	9°12	W 5
T 6	0 57 5	12°21'19	3♂45	29°34	15°25	22°27	27°26	1°50	6°25	17°45	15°31	15°58	14°30	9°52	9°10	T 6
F 7	1 1 2	13°20'38	15°33	29° 6	16°38	23° 5	27°37	1°57	6°29	17°44	15°33	15°R58	14°27	9°58	9° 7	F 7
S 8	1 4 58	14°19'58	27°25	28°30	17°52	23°43	27°48	2° 4	6°32	17°42	15°35	15°58	14°23	10° 5	9° 5	S 8
S 9	1 8 55	15°19'21	9°Y24	27°46	19° 6	24°21	27°59	2°11	6°36	17°41	15°37	15°56	14°20	10°12	9° 3	S 9
M10	1 12 51	16°18'45	21°30	26°54	20°20	25° 0	28°10	2°18	6°40	17°39	15°39	15°52	14°17	10°18	9° 1	M10
T 11	1 16 48	17°18'12	3♂47	25°55	21°34	25°38	28°20	2°25	6°44	17°38	15°41	15°47	14°14	10°25	8°59	T 11
W12	1 20 45	18°17'41	16°15	24°50	22°48	26°16	28°31	2°32	6°47	17°37	15°43	15°42	14°11	10°32	8°57	W12
T 13	1 24 41	19°17'12	28°55	23°40	24° 2	26°55	28°41	2°39	6°51	17°35	15°44	15°36	14° 8	10°38	8°55	T 13
F 14	1 28 38	20°16'45	11♂48	22°27	25°16	27°33	28°52	2°46	6°55	17°34	15°46	15°31	14° 4	10°45	8°53	F 14
S 15	1 32 34	21°16'20	24°55	21°13	26°31	28°11	29° 2	2°53	6°58	17°32	15°48	15°27	14° 1	10°52	8°51	S 15
S 16	1 36 31	22°15'58	8♂17	20° 0	27°45	28°50	29°12	3° 0	7° 2	17°31	15°50	15°24	13°58	10°58	8°49	S 16
M17	1 40 27	23°15'38	21°54	18°50	28°59	29°28	29°22	3° 7	7° 6	17°29	15°52	15°D23	13°55	11° 5	8°47	M17
T 18	1 44 24	24°15'21	5♂49	17°46	0♂13	0♂ 7	29°32	3°14	7°10	17°28	15°54	15°24	13°52	11°12	8°45	T 18
W19	1 48 20	25°15'05	20° 0	16°48	1°28	0°45	29°42	3°22	7°13	17°26	15°55	15°25	13°48	11°18	8°43	W19
T 20	1 52 17	26°14'52	4♂26	16° 0	2°42	1°23	29°52	3°29	7°17	17°25	15°57	15°26	13°45	11°25	8°42	T 20
F 21	1 56 14	27°14'41	19° 5	15°21	3°57	2° 2	0♂ 1	3°36	7°20	17°23	15°59	15°R26	13°42	11°31	8°40	F 21
S 22	2 0 10	28°14'33	3♂51	14°53	5°11	2°40	0°11	3°43	7°24	17°22	16° 1	15°25	13°39	11°38	8°38	S 22
S 23	2 4 7	29°14'26	18°39	14°37	6°26	3°19	0°20	3°50	7°28	17°20	16° 2	15°22	13°36	11°45	8°37	S 23
M24	2 8 3	0♂14'21	3♂21	14°D32	7°40	3°57	0°30	3°58	7°31	17°18	16° 4	15°16	13°33	11°51	8°35	M24
T 25	2 12 0	1°14'19	17°48	14°39	8°55	4°35	0°39	4° 5	7°35	17°17	16° 6	15° 9	13°29	11°58	8°34	T 25
W26	2 15 56	2°14'18	1♂56	14°56	10°10	5°14	0°48	4°12	7°38	17°15	16° 7	15° 1	13°26	12° 5	8°33	W26
T 27	2 19 53	3°14'19	15°38	15°23	11°24	5°52	0°57	4°19	7°42	17°14	16° 9	14°53	13°23	12°11	8°31	T 27
F 28	2 23 49	4°14'22	28°55	15°59	12°39	6°31	1° 6	4°27	7°45	17°12	16°10	14°47	13°20	12°18	8°30	F 28
S 29	2 27 46	5°14'26	11♂47	16°44	13°54	7° 9	1°15	4°34	7°49	17°10	16°12	14°42	13°17	12°25	8°29	S 29
S 30	2 31 43	6°14'32	24°16	17°37	15° 9	7°48	1°23	4°41	7°52	17° 9	16°14	14°39	13°14	12°31	8°27	S 30
M31	2 35 39	7♂14'39	6♂26	18♂36	16♂23	8♂26	1♂32	4♂48	7♂56	17♂ 7	16♂15	14°D38	13♂10	12♂38	8♂26	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	2s57	18s24	5n 1	14s47	3s33	9n12	1n11	5n17	1n 7	13n26	0n47	9s50	2n14	1s49	0n40	15n25	1s50	18n54	14n17	5n35	6n 1	7s38	3s 6	5n22	
S 2	3 20	17 59	4 34	14 51	3 33	8 46	1 13	5 2	1 7	13 22	0 47	9 52	2 14	1 50	0 40	15 25	1 50	18 54	14 17	5 35	6 2	7 36	3 7	5 22	
M 3	3 44	16 44	3 54	14 51	3 32	8 20	1 15	4 47	1 7	13 18	0 47	9 55	2 14	1 52	0 40	15 25	1 50	18 53	14 18	5 35	6 3	7 35	3 8	5 22	
T 4	4 7	14 46	3 5	14 48	3 30	7 53	1 17	4 31	1 6	13 15	0 47	9 57	2 14	1 53	0 40	15 24	1 50	18 52	14 18	5 34	6 4	7 33	3 9	5 21	
W 5	4 30	12 11	2 9	14 41	3 27	7 26	1 18	4 16	1 6	13 11	0 47	10 0	2 14	1 55	0 40	15 24	1 50	18 52	14 18	5 33	6 5	7 31	3 10	5 21	
T 6	4 53	9 7	1 7	14 29	3 23	6 59	1 20	4 1	1 6	13 7	0 47	10 2	2 14	1 56	0 40	15 23	1 50	18 51	14 18	5 33	6 7	7 30	3 11	5 21	
F 7	5 16	5 40	0 2	14 14	3 16	6 32	1 21	3 46	1 6	13 4	0 48	10 5	2 14	1 57	0 40	15 23	1 50	18 51	14 19	5 32	6 8	7 28	3 12	5 21	
S 8	5 40	1 59	1s 3	13 53	3 8	6 4	1 23	3 30	1 6	13 0	0 48	10 7	2 14	1 59	0 40	15 23	1 50	18 50	14 19	5 33	6 9	7 26	3 13	5 20	
S 9	6 3	1n49	2 5	13 28	2 58	5 36	1 24	3 15	1 6	12 56	0 48	10 9	2 13	2 0	0 40	15 22	1 50	18 50	14 19	5 33	6 10	7 25	3 14	5 20	
M10	6 25	5 34	3 3	12 59	2 47	5 8	1 25	3 0	1 6	12 53	0 48	10 12	2 13	2 2	0 40	15 22	1 50	18 49	14 19	5 35	6 12	7 23	3 15	5 20	
T 11	6 48	9 9	3 52	12 24	2 33	4 40	1 26	2 44	1 5	12 49	0 48	10 14	2 13	2 3	0 40	15 21	1 50	18 49	14 20	5 37	6 13	7 21	3 16	5 20	
W12	7 11	12 23	4 32	11 46	2 18	4 12	1 27	2 29	1 5	12 46	0 48	10 17	2 13	2 5	0 40	15 21	1 50	18 48	14 20	5 39	6 14	7 20	3 17	5 19	
T 13	7 34	15 5	4 59	11 5	2 1	3 43	1 28	2 14	1 5	12 42	0 49	10 19	2 13	2 6	0 40	15 21	1 50	18 48	14 20	5 41	6 15	7 18	3 18	5 19	
F 14	7 56	17 6	5 11	10 20	1 43	3 15	1 29	1 58	1 5	12 39	0 49	10 22	2 13	2 8	0 40	15 20	1 50	18 47	14 21	5 43	6 17	7 16	3 19	5 19	
S 15	8 19	18 15	5 7	9 35	1 23	2 46	1 30	1 43	1 5	12 36	0 49	10 24	2 13	2 9	0 40	15 20	1 50	18 47	14 21	5 45	6 18	7 14	3 20	5 19	
S 16	8 41	18 26	4 47	8 48	1 3	2 17	1 31	1 27	1 5	12 32	0 49	10 27	2 13	2 11	0 40	15 19	1 50	18 46	14 21	5 46	6 19	7 13	3 21	5 18	
M17	9 3	17 34	4 11	8 2	0 42	1 48	1 32	1 12	1 5	12 29	0 49	10 29	2 13	2 12	0 40	15 19	1 50	18 46	14 22	5 46	6 20	7 11	3 22	5 18	
T 18	9 25	15 38	3 19	7 19	0 22	1 19	1 32	0 56	1 4	12 25	0 50	10 32	2 13	2 14	0 40	15 18	1 50	18 46	14 22	5 46	6 21	7 9	3 23	5 18	
W19	9 47	12 43	2 14	6 38	0 1	0 50	1 33	0 41	1 4	12 22	0 50	10 34	2 13	2 15	0 40	15 18	1 50	18 45	14 22	5 45	6 23	7 8	3 24	5 17	
T 20	10 9	8 58	1 0	6 2	0n18	0 21	1 34	0 26	1 4	12 19	0 50	10 37	2 13	2 17	0 40	15 18	1 50	18 45	14 23	5 45	6 24	7 6	3 25	5 17	
F 21	10 30	4 38	0n20	5 30	0 36	0s 8	1 34	0 10	1 4	12 16	0 50	10 39	2 13	2 18	0 40	15 17	1 50	18 45	14 23	5 45	6 25	7 4	3 26	5 17	
S 22	10 52	0s 2	1 38	5 4	0 53	0 37	1 34	0s 5	1 4	12 12	0 50	10 42	2 13	2 19	0 40	15 17	1 50	18 44	14 23	5 45	6 26	7 3	3 27	5 16	
S 23	11 13	4 42	2 50	4 43	1 8	1 7	1 35	0 21	1 3	12 9	0 50	10 44	2 13	2 21	0 40	15 16	1 50	18 44	14 24	5 47	6 28	7 1	3 28	5 16	
M24	11 34	9 2	3 50	4 29	1 22	1 36	1 35	0 36	1 3	12 6	0 51	10 46	2 13	2 22	0 40	15 16	1 50	18 43	14 24	5 49	6 29	6 59	3 29	5 16	
T 25	11 55	12 46	4 34	4 20	1 34	2 5	1 35	0 52	1 3	12 3	0 51	10 49	2 13	2 24	0 40	15 15	1 50	18 43	14 24	5 52	6 30	6 57	3 29	5 16	
W26	12 16	15 40	5 0	4 18	1 44	2 34	1 35	1 7	1 3	12 0	0 51	10 51	2 13	2 25	0 40	15 15	1 50	18 43	14 25	5 55	6 31	6 56	3 30	5 15	
T 27	12 37	17 36	5 8	4 20	1 52	3 4	1 35	1 22	1 3	11 57	0 51	10 54	2 13	2 26	0 40	15 14	1 50	18 43	14 25	5 58	6 32	6 54	3 31	5 15	
F 28	12 57	18 29	4 59	4 28	1 59	3 33	1 35	1 38	1 3	11 54	0 51	10 56	2 13	2 28	0 40	15 14	1 50	18 42	14 26	6 0	6 34	6 52	3 32	5 15	
S 29	13 17	18 23	4 35	4 40	2 4	2	1 35	1 53	1 2	11 51	0 52	10 59	2 13	2 29	0 40	15 13	1 50	18 42	14 26	6 2	6 35	6 50	3 33	5 14	
S 30	13 37	17 23	3 58	4 57	2 8	4 31	1 34	2 9	1 2	11 48	0 52	11 1	2 13	2 30	0 40	15 13	1 50	18 42	14 26	6 3	6 36	6 49	3 33	5 14	
M31	13s57	15s36	3n11	5s17	2n11	5s 0	1n34	2s24	1n 2	11n45	0n52	11s 4	2n13	2s32	0n40	15n12	1s50	18n42	14n27	6n 4	6n37	6s47	3s34	5n14	

ASTRODIENST EPHEMERIS for the year 1718

geocentric

DECEMBER 1718

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	4 37 52	8°31'51	19°54	5°37	25°14	28°22	4°48	8°25	9°27	16°R16	16°49	11°R54	11°32	16°4	8°20	T 1
F 2	4 41 49	9°32'46	1°44	6°37	26°29	29° 1	4°52	8°31	9°30	16°R14	16°49	11°53	11°29	16°11	8°20	F 2
S 3	4 45 45	10°33'41	13°43	8°11	27°45	29°39	4°55	8°38	9°32	16°13	16°50	11°49	11°26	16°17	8°21	S 3
S 4	4 49 42	11°34'37	25°54	9°45	29° 0	0°18	4°59	8°44	9°34	16°11	16°51	11°44	11°22	16°24	8°22	S 4
M 5	4 53 39	12°35'33	8°22	11°20	0°15	0°57	5° 2	8°51	9°36	16°10	16°51	11°35	11°19	16°30	8°23	M 5
T 6	4 57 35	13°36'31	21° 8	12°54	1°31	1°36	5° 5	8°57	9°39	16° 8	16°52	11°24	11°16	16°37	8°24	T 6
W 7	5 1 32	14°37'29	4°14	14°28	2°46	2°14	5° 8	9° 4	9°41	16° 7	16°52	11°11	11°13	16°44	8°25	W 7
T 8	5 5 28	15°38'29	17°38	16° 2	4° 2	2°53	5°10	9°10	9°43	16° 5	16°52	10°57	11°10	16°50	8°26	T 8
F 9	5 9 25	16°39'29	1°58	17°37	5°17	3°32	5°13	9°16	9°45	16° 4	16°53	10°45	11° 6	16°57	8°27	F 9
S 10	5 13 21	17°40'29	15°10	19°11	6°33	4°11	5°15	9°22	9°47	16° 2	16°53	10°34	11° 3	17° 4	8°28	S 10
S 11	5 17 18	18°41'31	29°10	20°46	7°48	4°49	5°17	9°28	9°49	16° 1	16°53	10°26	11° 0	17°10	8°30	S 11
M 12	5 21 14	19°42'34	13°14	22°21	9° 4	5°28	5°19	9°35	9°51	16° 0	16°54	10°21	10°57	17°17	8°31	M 12
T 13	5 25 11	20°43'37	27°20	23°55	10°19	6° 7	5°21	9°41	9°52	15°58	16°54	10°19	10°54	17°24	8°32	T 13
W 14	5 29 8	21°44'42	11°17	25°30	11°35	6°46	5°23	9°47	9°54	15°57	16°54	10°D18	10°51	17°30	8°34	W 14
T 15	5 33 4	22°45'47	25°31	27° 6	12°50	7°24	5°24	9°53	9°56	15°56	16°54	10°R18	10°47	17°37	8°35	T 15
F 16	5 37 1	23°46'53	9°34	28°41	14° 5	8° 3	5°25	9°58	9°58	15°54	16°54	10°18	10°44	17°44	8°37	F 16
S 17	5 40 57	24°48'01	23°35	0°36	15°21	8°42	5°26	10° 4	9°59	15°53	16°55	10°15	10°41	17°50	8°38	S 17
S 18	5 44 54	25°49'08	7°13	1°52	16°36	9°21	5°27	10°10	10° 1	15°52	16°55	10° 9	10°38	17°57	8°40	S 18
M 19	5 48 50	26°50'17	21°22	3°28	17°52	10° 0	5°28	10°16	10° 2	15°51	16°55	10° 0	10°35	18° 4	8°42	M 19
T 20	5 52 47	27°51'26	5°42	5° 4	19° 8	10°38	5°28	10°21	10° 4	15°50	16°R55	9°50	10°31	18°10	8°43	T 20
W 21	5 56 43	28°52'36	18°35	6°40	20°23	11°17	5°28	10°27	10° 5	15°49	16°55	9°37	10°28	18°17	8°45	W 21
T 22	6 0 40	29°53'46	1°35	8°16	21°39	11°56	5°R28	10°33	10° 7	15°47	16°55	9°25	10°25	18°23	8°47	T 22
F 23	6 4 37	0°54'57	14°49	9°53	22°54	12°35	5°28	10°38	10° 8	15°46	16°55	9°13	10°22	18°30	8°49	F 23
S 24	6 8 33	1°56'07	27°31	11°29	24°10	13°14	5°28	10°44	10° 9	15°45	16°54	9° 4	10°19	18°37	8°51	S 24
S 25	6 12 30	2°57'18	9°55	13° 6	25°25	13°53	5°27	10°49	10°10	15°44	16°54	8°57	10°16	18°43	8°53	S 25
M 26	6 16 26	3°58'29	22° 5	14°42	26°41	14°31	5°26	10°54	10°11	15°43	16°54	8°53	10°12	18°50	8°55	M 26
T 27	6 20 23	4°59'40	4°12	16°19	27°56	15°10	5°25	10°59	10°13	15°42	16°54	8°D52	10° 9	18°57	8°57	T 27
W 28	6 24 19	6° 0'50	15°52	17°56	29°12	15°49	5°24	11° 4	10°14	15°41	16°54	8°52	10° 6	19° 3	8°59	W 28
T 29	6 28 16	7° 2'00	27°39	19°32	0°37	16°28	5°23	11°10	10°15	15°40	16°53	8°52	10° 3	19°10	9° 2	T 29
F 30	6 32 12	8° 3'11	9°49	21° 8	1°43	17° 7	5°21	11°15	10°15	15°39	16°53	8°R53	10° 0	19°17	9° 4	F 30
S 31	6 36 9	9°34'20	21°49	22°34	2°38	17°46	5°19	11°19	10°16	15°39	16°53	8°52	9°17	19°23	9° 6	S 31

Day	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	21s45	4s39	0s42	21s39	0s30	18s13	0n54	10s 4	0n54	10n41	0n59	12s13	2n14	3s 7	0n41	14n58
F 2	21 55	0 53	1 43	22 2	0 36	18 33	0 52	10 18	0 53	10 40	1 0	12 15	2 14	3 8	0 41	14 58
S 3	22 4	2n58	2 40	22 24	0 42	18 52	0 50	10 32	0 53	10 39	1 0	12 17	2 14	3 9	0 41	14 57
S 4	22 12	6 45	3 30	22 45	0 48	19 11	0 48	10 46	0 53	10 38	1 0	12 19	2 14	3 10	0 41	14 57
M 5	22 20	10 20	4 12	23 4	0 54	19 29	0 46	11 0	0 52	10 37	1 0	12 21	2 14	3 11	0 41	14 57
T 6	22 28	13 32	4 42	23 22	1 0	19 47	0 43	11 14	0 52	10 36	1 1	12 23	2 14	3 12	0 41	14 56
W 7	22 35	16 8	4 58	23 40	1 6	20 4	0 41	11 28	0 52	10 35	1 1	12 25	2 14	3 12	0 41	14 56
T 8	22 42	17 57	4 58	23 56	1 12	20 21	0 39	11 41	0 51	10 35	1 1	12 27	2 15	3 13	0 41	14 55
F 9	22 48	18 47	4 42	24 10	1 17	20 37	0 37	11 55	0 51	10 34	1 1	12 28	2 15	3 14	0 41	14 55
S 10	22 54	18 30	4 8	24 24	1 22	20 52	0 34	12 8	0 51	10 33	1 2	12 30	2 15	3 15	0 41	14 55
S 11	22 59	17 6	3 19	24 36	1 27	21 7	0 32	12 22	0 50	10 33	1 2	12 32	2 15	3 15	0 41	14 54
M 12	23 4	14 40	2 18	24 47	1 32	21 21	0 30	12 35	0 50	10 32	1 2	12 34	2 15	3 16	0 41	14 54
T 13	23 9	11 21	1 8	24 56	1 37	21 35	0 27	12 48	0 49	10 32	1 2	12 36	2 15	3 17	0 42	14 54
W 14	23 13	7 23	0n 6	25 5	1 41	21 47	0 25	13 1	0 49	10 32	1 3	12 37	2 15	3 17	0 42	14 53
T 15	23 17	3 0	1 20	25 11	1 45	22 0	0 23	13 14	0 49	10 31	1 3	12 39	2 15	3 18	0 42	14 53
F 16	23 20	1s31	2 29	25 17	1 49	22 11	0 20	13 27	0 48	10 31	1 3	12 41	2 16	3 19	0 42	14 53
S 17	23 22	5 57	3 28	25 21	1 52	22 22	0 18	13 40	0 48	10 31	1 4	12 43	2 16	3 19	0 42	14 52
S 18	23 24	10 1	4 15	25 23	1 56	22 33	0 15	13 53	0 47	10 31	1 4	12 44	2 16	3 20	0 42	14 52
M 19	23 26	13 31	4 46	25 24	1 59	22 42	0 13	14 5	0 47	10 31	1 4	12 46	2 16	3 20	0 42	14 52
T 20	23 27	16 14	5 1	25 24	2 1	22 51	0 11	14 18	0 47	10 31	1 4	12 48	2 16	3 21	0 42	14 51
W 21	23 28	18 2	4 58	25 22	2 4	22 59	0 8	14 30	0 46	10 31	1 5	12 49	2 16	3 22	0 42	14 51
T 22	23 28	18 48	4 39	25 19	2 6	23 7	0 6	14 43	0 46	10 32	1 5	12 51	2 16	3 22	0 42	14 51
F 23	23 28	18 34	4 6	25 13	2 8	23 14	0 3	14 55	0 45	10 32	1 5	12 52	2 17	3 23	0 42	14 51
S 24	23 28	17 24	3 22	25 7	2 9	23 20	0 1	15 7	0 45	10 32	1 5	12 54	2 17	3 23	0 42	14 50
S 25	23 26	15 25	2 28	24 59	2 10	23 25	0s 2	15 19	0 44	10 33	1 6	12 55	2 17	3 23	0 42	14 50
M 26	23 25	12 46	1 28	24 49	2 10	23 30	0 4	15 31	0 44	10 33	1 6	12 57	2 17	3 24	0 42	14 50
T 27	23 23	9 39	0 26	24 38	2 10	23 34	0 6	15 43	0 43	10 34	1 6	12 58	2 17	3 24	0 42	14 50
W 28	23 20	6 9	0s37	24 25	2 10	23 37	0 9	15 55	0 43	10 35	1 7	13 0	2 17	3 25	0 42	14 49
T 29	23 17	2 27	1 39	24 10	2 9	23 40	0 11	16 6	0 42	10 35	1 7	13 1	2 17	3 25	0 42	14 49
F 30	23 14	1n22	2 36	23 54	2 7	23 41	0 14	16 18	0 42	10 36	1 7	13 3	2 18	3 25	0 42	14 49
S 31	23s10	5n10	3s28	23s36	2s 5	23s42	0s16	16s29	0n41	10n37	1n 7	13s 4	2n18	3s26	0n42	14n49

Julian Day Number = 2348880.5, Delta T = 10.51 sec

Ecliptic obliquity = 23°28'24", Nutation = - 0°00'06", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 20°48'59", Lahiri = 19°55'59"Greg. Calendar