



Astrodienst Ephemeris Tables for the year 1518

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 1518
geocentric

JANUARY 1518 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	7 18 17	20 ³ 4'38	2 ¹¹ 41	28 ² 47	26 ² 13	25 ² 11	21 ¹ R51	4 ³ 0	4 ¹ R20	23 ² 10	4 ³ 13	27 ¹ R58	26 ¹ II56	1 ² 54	26 ² 5	F 1
S 2	7 22 13	21 ¹ 5'44	15 ¹ 8	0 ³ 8	27 ² 26	25 ² 55	21 ¹ II50	4 ¹ 7	4 ¹ R20	23 ² 12	4 ¹ 15	27 ¹ II54	26 ¹ 53	2 ¹ 0	26 ² 10	S 2
S 3	7 26 10	22 ¹ 6'49	27 ¹ 49	1 ¹ 30	28 ¹ 39	26 ¹ 40	21 ¹ 49	4 ¹ 14	4 ¹ D20	23 ¹ 14	4 ¹ 17	27 ¹ 51	26 ¹ 50	2 ¹ 7	26 ¹ 16	S 3
M 4	7 30 6	23 ¹ 7'53	10 ¹ 47	2 ¹ 52	29 ¹ 51	27 ¹ 24	21 ¹ 48	4 ¹ 21	4 ¹ 20	23 ¹ 16	4 ¹ 19	27 ¹ 50	26 ¹ 47	2 ¹ 14	26 ¹ 21	M 4
T 5	7 34 3	24 ¹ 8'57	24 ¹ 4	4 ¹ 16	1 ¹ 4	28 ¹ 9	21 ¹ 47	4 ¹ 28	4 ¹ 20	23 ¹ 18	4 ¹ 21	27 ¹ D49	26 ¹ 43	2 ¹ 20	26 ¹ 26	T 5
W 6	7 37 59	25 ¹ 10'01	7 ¹ 42	5 ¹ 41	2 ¹ 17	28 ¹ 54	21 ¹ 45	4 ¹ 34	4 ¹ 20	23 ¹ 20	4 ¹ 23	27 ¹ 50	26 ¹ 40	2 ¹ 27	26 ¹ 31	W 6
T 7	7 41 56	26 ¹ 11'04	21 ¹ 42	7 ¹ 7	3 ¹ 29	29 ¹ 38	21 ¹ 43	4 ¹ 41	4 ¹ 20	23 ¹ 22	4 ¹ 25	27 ¹ 51	26 ¹ 37	2 ¹ 33	26 ¹ 36	T 7
F 8	7 45 53	27 ¹ 12'07	6 ¹ 5	8 ¹ 33	4 ¹ 42	0 ¹ 23	21 ¹ 41	4 ¹ 48	4 ¹ 20	23 ¹ 24	4 ¹ 27	27 ¹ 52	26 ¹ 34	2 ¹ 40	26 ¹ 41	F 8
S 9	7 49 49	28 ¹ 13'10	20 ¹ 47	10 ¹ 1	5 ¹ 54	1 ¹ 8	21 ¹ 39	4 ¹ 54	4 ¹ 21	23 ¹ 26	4 ¹ 29	27 ¹ R54	26 ¹ 31	2 ¹ 47	26 ¹ 47	S 9
S 10	7 53 46	29 ¹ 14'12	5 ¹ 45	11 ¹ 29	7 ¹ 7	1 ¹ 52	21 ¹ 37	5 ¹ 1	4 ¹ 21	23 ¹ 28	4 ¹ 31	27 ¹ 53	26 ¹ 28	2 ¹ 53	26 ¹ 52	S 10
M 11	7 57 42	0 ¹ 15'13	20 ¹ 50	12 ¹ 57	8 ¹ 19	2 ¹ 37	21 ¹ 34	5 ¹ 8	4 ¹ 21	23 ¹ 30	4 ¹ 33	27 ¹ 52	26 ¹ 24	3 ¹ 0	26 ¹ 57	M 11
T 12	8 1 39	1 ¹ 16'13	5 ¹ 55	14 ¹ 27	9 ¹ 32	3 ¹ 22	21 ¹ 31	5 ¹ 14	4 ¹ 22	23 ¹ 33	4 ¹ 35	27 ¹ 48	26 ¹ 21	3 ¹ 7	27 ¹ 2	T 12
W 13	8 5 35	2 ¹ 17'12	20 ¹ 49	15 ¹ 57	10 ¹ 44	4 ¹ 7	21 ¹ 28	5 ¹ 21	4 ¹ 22	23 ¹ 35	4 ¹ 37	27 ¹ 44	26 ¹ 18	3 ¹ 13	27 ¹ 7	W 13
T 14	8 9 32	3 ¹ 18'10	5 ¹ 25	17 ¹ 28	11 ¹ 56	4 ¹ 52	21 ¹ 25	5 ¹ 27	4 ¹ 23	23 ¹ 37	4 ¹ 39	27 ¹ 38	26 ¹ 15	3 ¹ 20	27 ¹ 12	T 14
F 15	8 13 28	4 ¹ 19'06	19 ¹ 35	19 ¹ 0	13 ¹ 8	5 ¹ 37	21 ¹ 22	5 ¹ 34	4 ¹ 23	23 ¹ 39	4 ¹ 41	27 ¹ 32	26 ¹ 12	3 ¹ 27	27 ¹ 17	F 15
S 16	8 17 25	5 ¹ 20'02	3 ¹ 18	20 ¹ 33	14 ¹ 20	6 ¹ 22	21 ¹ 18	5 ¹ 40	4 ¹ 24	23 ¹ 41	4 ¹ 42	27 ¹ 27	26 ¹ 9	3 ¹ 33	27 ¹ 22	S 16
S 17	8 21 22	6 ¹ 20'56	16 ¹ 32	22 ¹ 6	15 ¹ 32	7 ¹ 7	21 ¹ 15	5 ¹ 47	4 ¹ 25	23 ¹ 43	4 ¹ 44	27 ¹ 24	26 ¹ 5	3 ¹ 40	27 ¹ 28	S 17
M 18	8 25 18	7 ¹ 21'48	29 ¹ 20	23 ¹ 40	16 ¹ 43	7 ¹ 52	21 ¹ 11	5 ¹ 53	4 ¹ 26	23 ¹ 46	4 ¹ 46	27 ¹ 22	26 ¹ 2	3 ¹ 47	27 ¹ 33	M 18
T 19	8 29 15	8 ¹ 22'39	11 ¹ 46	25 ¹ 14	17 ¹ 55	8 ¹ 37	21 ¹ 7	6 ¹ 0	4 ¹ 26	23 ¹ 48	4 ¹ 48	27 ¹ D21	25 ¹ 59	3 ¹ 53	27 ¹ 38	T 19
W 20	8 33 11	9 ¹ 23'29	23 ¹ 54	26 ¹ 50	19 ¹ 6	9 ¹ 22	21 ¹ 3	6 ¹ 6	4 ¹ 27	23 ¹ 50	4 ¹ 50	27 ¹ 22	25 ¹ 56	4 ¹ 0	27 ¹ 43	W 20
T 21	8 37 8	10 ¹ 24'17	5 ¹ II50	28 ¹ 26	20 ¹ 18	10 ¹ 7	20 ¹ 58	6 ¹ 12	4 ¹ 28	23 ¹ 52	4 ¹ 52	27 ¹ 24	25 ¹ 53	4 ¹ 7	27 ¹ 48	T 21
F 22	8 41 4	11 ¹ 25'04	17 ¹ 39	0 ¹ 3	21 ¹ 29	10 ¹ 52	20 ¹ 54	6 ¹ 18	4 ¹ 29	23 ¹ 55	4 ¹ 53	27 ¹ 25	25 ¹ 49	4 ¹ 13	27 ¹ 53	F 22
S 23	8 45 1	12 ¹ 25'49	29 ¹ 25	1 ¹ 40	22 ¹ 40	11 ¹ 38	20 ¹ 49	6 ¹ 24	4 ¹ 30	23 ¹ 57	4 ¹ 55	27 ¹ R26	25 ¹ 46	4 ¹ 20	27 ¹ 58	S 23
S 24	8 48 57	13 ¹ 26'33	11 ¹ 52	3 ¹ 19	23 ¹ 52	12 ¹ 23	20 ¹ 44	6 ¹ 31	4 ¹ 31	23 ¹ 59	4 ¹ 57	27 ¹ 25	25 ¹ 43	4 ¹ 26	28 ¹ 3	S 24
M 25	8 52 54	14 ¹ 27'15	23 ¹ 5	4 ¹ 58	25 ¹ 2	13 ¹ 8	20 ¹ 39	6 ¹ 37	4 ¹ 32	24 ¹ 1	4 ¹ 59	27 ¹ 21	25 ¹ 40	4 ¹ 33	28 ¹ 8	M 25
T 26	8 56 51	15 ¹ 27'56	5 ¹ 5	6 ¹ 38	26 ¹ 13	13 ¹ 54	20 ¹ 34	6 ¹ 43	4 ¹ 34	24 ¹ 4	5 ¹ 0	27 ¹ 16	25 ¹ 37	4 ¹ 40	28 ¹ 13	T 26
W 27	9 0 47	16 ¹ 28'36	17 ¹ 15	8 ¹ 19	27 ¹ 24	14 ¹ 39	20 ¹ 29	6 ¹ 49	4 ¹ 35	24 ¹ 6	5 ¹ 2	27 ¹ 8	25 ¹ 34	4 ¹ 46	28 ¹ 18	W 27
T 28	9 4 44	17 ¹ 29'13	29 ¹ 36	10 ¹ 0	28 ¹ 35	15 ¹ 24	20 ¹ 24	6 ¹ 55	4 ¹ 36	24 ¹ 8	5 ¹ 4	26 ¹ 59	25 ¹ 30	4 ¹ 53	28 ¹ 23	T 28
F 29	9 8 40	18 ¹ 29'50	12 ¹ 11	11 ¹ 43	29 ¹ 45	16 ¹ 10	20 ¹ 18	7 ¹ 1	4 ¹ 37	24 ¹ 10	5 ¹ 5	26 ¹ 49	25 ¹ 27	5 ¹ 0	28 ¹ 28	F 29
S 30	9 12 37	19 ¹ 30'25	24 ¹ 51	13 ¹ 26	0 ¹ 55	16 ¹ 55	20 ¹ 12	7 ¹ 6	4 ¹ 39	24 ¹ 13	5 ¹ 7	26 ¹ 39	25 ¹ 24	5 ¹ 6	28 ¹ 33	S 30
S 31	9 16 33	20 ¹ 30'59	7 ¹ 47	15 ¹ 11	2 ¹ 6	17 ¹ 40	20 ¹ 6	7 ¹ 12	4 ¹ 40	24 ¹ 15	5 ¹ 9	26 ¹ II31	25 ¹ II21	5 ¹ 13	28 ¹ 37	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	22s 0	14n58	4n45	23s10	0n19	14s19	1s36	23s53	0s28	4n29	1n21	22s46	0n40	12n35	0s26	14s20	0s32	20s26	3n 0	23n29	23n28	23n56	14s36	6n30					
S 2	21 51	10 35	5 7	23 19	0 11	13 52	1 34	23 55	0 29	4 30	1 22	22 46	0 40	12 35	0 26	14 20	0 32	20 26	3 0	23 29	23 28	23 57	14 35	6 30					
S 3	21 41	5 41	5 15	23 27	0 3	13 25	1 32	23 57	0 29	4 30	1 22	22 46	0 40	12 35	0 26	14 19	0 32	20 26	3 0	23 29	23 28	23 58	14 34	6 30					
M 4	21 31	0 25	5 7	23 33	0s 5	12 58	1 31	23 59	0 30	4 31	1 22	22 46	0 40	12 35	0 26	14 18	0 32	20 26	3 0	23 29	23 28	23 58	14 34	6 30					
T 5	21 20	4s59	4 42	23 39	0 13	12 30	1 29	24 0	0 31	4 32	1 23	22 46	0 40	12 35	0 26	14 18	0 32	20 26	3 0	23 29	23 28	23 59	14 33	6 29					
W 6	21 9	10 18	4 2	23 43	0 20	12 2	1 27	24 1	0 31	4 33	1 23	22 45	0 40	12 35	0 26	14 17	0 32	20 26	3 0	23 29	23 28	24 0	14 32	6 29					
T 7	20 58	15 15	3 6	23 46	0 28	11 34	1 25	24 2	0 32	4 34	1 23	22 45	0 40	12 35	0 26	14 16	0 32	20 26	3 0	23 29	23 28	24 1	14 31	6 29					
F 8	20 46	19 27	1 57	23 48	0 35	11 6	1 23	24 3	0 33	4 35	1 23	22 45	0 40	12 35	0 26	14 16	0 32	20 26	2 59	23 29	23 27	24 1	14 30	6 29					
S 9	20 34	22 32	0 39	23 49	0 42	10 37	1 20	24 3	0 33	4 36	1 24	22 45	0 40	12 35	0 26	14 15	0 32	20 26	2 59	23 29	23 27	24 2	14 29	6 29					
S 10	20 22	24 6	0s43	23 49	0 48	10 8	1 18	24 3	0 34	4 37	1 24	22 45	0 40	12 36	0 26	14 14	0 32	20 26	2 59	23 29	23 27	24 3	14 28	6 29					
M 11	20 9	23 54	2 2	23 47	0 55	9 38	1 16	24 3	0 35	4 39	1 24	22 44	0 40	12 36	0 26	14 14	0 32	20 26	2 59	23 29	23 27	24 4	14 27	6 29					
T 12	19 56	21 58	3 13	23 44	1 1	9 9	1 13	24 3	0 35	4 40	1 25	22 44	0 40	12 36	0 26	14 13	0 32	20 26	2 59	23 29	23 27	24 4	14 26	6 30					
W 13	19 42	18 32	4 10	23 40	1 7	8 39	1 11	24 2	0 36	4 41	1 25	22 44	0 40	12 36	0 26	14 12	0 32	20 26	2 59	23 29	23 27	24 5	14 25	6 30					
T 14	19 28	14 1	4 49	23 34	1 13	8 9	1 8	24 1	0 37	4 43	1 25	22 44	0 40	12 36	0 26	14 11	0 32	20 26	2 59	23 29	23 27	24 6	14 24	6 30					
F 15	19 14	8 51	5 9	23 27	1 19	7 39	1 5	24 0	0 37	4 44	1 25	22 44	0 40	12 37	0 26	14 11	0 32	20 26	2 59	23 29	23 27	24 6	14 23	6 30					
S 16	18 59	3 25	5 10	23 19	1 24	7 9	1 2	23 59	0 38	4 46	1 26	22 43	0 39	12 37	0 26	14 10	0 32	20 26	2 59	23 29	23 27	24 7	14 22	6 30					
S 17	18 44	1n59	4 54	23 9	1 29	6 38	1 0	23 57	0 39	4 48	1 26	22 43	0 39	12 37	0 26	14 9	0 32	20 26	2 59	23 29	23 27	24 8	14 21	6 30					
M 18	18 29	7 8	4 25	22 58	1 34	6 7	0 57	23 55	0 39	4 49	1 26	22 43	0 39	12 37	0 26	14 9	0 32	20 26	2 59	23 29	23 27	24 9	14 20	6 30					
T 19	18 13	11 52	3 43	22 45	1 38	5 37	0 54	23 53	0 40	4 51	1 26	22 43	0 39	12 38	0 26	14 8	0 32	20 26	2 59	23 29	23 26	24 9	14 19	6 30					
W 20	17 57	16 1	2 52	22 31	1 42	5 6	0 51	23 51	0 41	4 53	1 27	22 42	0 39	12 38	0 26	14 7	0 32	20 26	2 59	23 29	23 26	24 10	14 18	6 30					
T 21	17 41	19 27	1 55	22 16	1 46	4 35	0 47	23 48	0 41	4 55	1 27	22 42	0 39	12 38	0 26	14 6	0 32	20 26	2 59	23 29	23 26	24 11	14 17	6 30					
F 22	17 24	22 3	0 53	21 59	1 50	4 4	0 44	23 45	0 42	4 57	1 27	22 42	0 39	12 39	0 26	14 6	0 32	20 26	2 59	23 29	23 26	24 11	14 16	6 30					
S 23	17 7	23 41	0n11	21 40	1 53	3 32	0 41	23 42	0 42	4 59	1 27	22 42	0 39	12 39	0 26	14 5	0 32	20 26	2 59	23 29	23 26	24 12	14 15	6 30					
S 24	16 50	24 15	1 14	21 20	1 56	3 1	0 37	23 38	0 43	5 1	1 28	22 41	0 39	12 39	0 26	14 4	0 32	20 26	2 59	23 29	23 26	24 13	14 14	6 30					
M 25	16 32	23 44	2 14	20 59	1 58	2 30	0 34	23 35	0 44	5 3	1 28	22 41	0 39	12 40	0 26	14 3	0 32	20 26	2 59	23 29	23 26	24 13	14 13	6 31					
T 26	16 14	22 6	3 9	20 36	2 0	1 58	0 30	23 31	0 44	5 6	1 28	22 41	0 39	12 40	0 26	14 3	0 32	20 26	2 59	23 28	23 26	24 14	14 11	6 31					
W 27	15 56	19 27	3 56	20 12	2 2	1 27	0 27	23 26	0 45	5 8	1 28	22 41	0 39	12 41	0 26	14 2	0 32	20 26	2 59	23 28	23 26	24 14	14 10	6 31					
T 28	15 38	15 53	4 32	19 46	2 3	0 55	0 23	23 22	0 46	5 10	1 28	22 40	0 39	12 41	0 26	14 1	0 32	20 26	2 59	23 28	23 26	24 15	14 9	6 31					
F 29	15 19	11 35	4 56	19 19	2 4	0 24	0 19	23 17	0 46	5 13	1 29	22 40	0 39	12 42	0 26	14 0	0 32	20 26	2 59	23 28	23 25	24 16	14 8	6 31					
S 30	15 0	6 43	5 6	18 50	2 5	0n 8	0 16	23 12	0 47	5 15	1 29	22 40	0 39	12 42	0 26	14 0	0 32	20 26	2 58	23 28	23 25	24 16	14 7	6 31					
S 31	14s41	1n30	5n 0	18s19	2s 5	0n39	0s12	23s 7	0s48	5n18	1n29	22s39	0n39	12n43	0s26	13s59	0s32	20s26	2n58	23n27	23n25	24n17	14s 6	6n31					

ASTRODIENST EPHEMERIS for the year 1518

geocentric

FEBRUARY 1518 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	9 20 30	21 ³¹ 31	20 ⁵⁵	16 ⁵⁶	3 ¹⁶	18 ²⁶	20°R 0	7 ¹⁸	4 ⁴²	24 ¹⁷	5 ¹⁰	26°R24	25 ¹⁸	5 ²⁰	28 ⁴²	M 1
T 2	9 24 26	22 ³² 02	4 ¹⁷	18°42	4°26	19°11	19 ⁵⁴	7°24	4°43	24°19	5°12	26 ¹⁹	25°15	5°26	28°47	T 2
W 3	9 28 23	23°32'32	17°52	20°29	5°36	19°57	19°48	7°29	4°45	24°22	5°13	26°D19	25°11	5°33	28°52	W 3
T 4	9 32 20	24°33'00	1 ⁴²	22°17	6°45	20°43	19°42	7°35	4°46	24°24	5°15	26°19	25° 8	5°40	28°57	T 4
F 5	9 36 16	25°33'28	15°48	24° 6	7°55	21°28	19°35	7°40	4°48	24°26	5°16	26°20	25° 5	5°46	29° 1	F 5
S 6	9 40 13	26°33'54	0 ³ 9	25°56	9° 4	22°14	19°29	7°46	4°50	24°29	5°18	26°R20	25° 2	5°53	29° 6	S 6
S 7	9 44 9	27°34'18	14°43	27°46	10°13	23° 0	19°22	7°51	4°51	24°31	5°19	26°18	24°59	6° 0	29°11	S 7
M 8	9 48 6	28°34'41	29°26	29°38	11°22	23°45	19°15	7°56	4°53	24°33	5°21	26°15	24°55	6° 6	29°15	M 8
T 9	9 52 2	29°35'03	14 ¹¹	1 ³⁰	12°31	24°31	19° 8	8° 2	4°55	24°35	5°22	26° 8	24°52	6°13	29°20	T 9
W10	9 55 59	0 ³⁵ 23	28°52	3°23	13°40	25°17	19° 1	8° 7	4°57	24°38	5°24	25°59	24°49	6°19	29°25	W10
T 11	9 59 55	1°35'41	13 ¹⁹	5°17	14°49	26° 2	18°54	8°12	4°59	24°40	5°25	25°48	24°46	6°26	29°29	T 11
F 12	10 3 52	2°35'57	27°28	7°11	15°57	26°48	18°47	8°17	5° 1	24°42	5°26	25°37	24°43	6°33	29°34	F 12
S 13	10 7 49	3°36'11	11 ¹⁹	9° 6	17° 5	27°34	18°40	8°22	5° 3	24°44	5°28	25°27	24°40	6°39	29°38	S 13
S 14	10 11 45	4°36'23	24°29	11° 1	18°13	28°20	18°32	8°27	5° 5	24°47	5°29	25°19	24°36	6°46	29°43	S 14
M15	10 15 42	5°36'33	7 ²²	12°57	19°21	29° 6	18°25	8°32	5° 7	24°49	5°30	25°13	24°33	6°53	29°47	M15
T 16	10 19 38	6°36'41	19°51	14°52	20°29	29°52	18°17	8°37	5° 9	24°51	5°31	25° 9	24°30	6°59	29°51	T 16
W17	10 23 35	7°36'47	2 ¹¹ 2	16°47	21°36	0 ³⁷	18°10	8°41	5°11	24°53	5°33	25° 8	24°27	7° 6	29°56	W17
T 18	10 27 31	8°36'51	13°59	18°42	22°43	1°23	18° 2	8°46	5°13	24°56	5°34	25°D 8	24°24	7°13	0 ⁰	T 18
F 19	10 31 28	9°36'53	25°49	20°36	23°51	2° 9	17°55	8°51	5°16	24°58	5°35	25°R 8	24°21	7°19	0° 4	F 19
S 20	10 35 24	10°36'52	7 ³⁶	22°29	24°57	2°55	17°47	8°55	5°18	25° 0	5°36	25° 8	24°17	7°26	0° 9	S 20
S 21	10 39 21	11°36'50	19°25	24°21	26° 4	3°41	17°39	9° 0	5°20	25° 2	5°37	25° 5	24°14	7°33	0°13	S 21
M22	10 43 18	12°36'45	1 ²²	26°10	27°10	4°27	17°31	9° 4	5°23	25° 4	5°38	25° 0	24°11	7°39	0°17	M22
T 23	10 47 14	13°36'38	13°30	27°57	28°16	5°13	17°24	9° 8	5°25	25° 7	5°39	24°52	24° 8	7°46	0°21	T 23
W24	10 51 11	14°36'29	25°51	29°42	29°22	5°59	17°16	9°12	5°28	25° 9	5°40	24°42	24° 5	7°53	0°25	W24
T 25	10 55 7	15°36'17	8 ²⁷	1 ²³	0 ²⁸	6°45	17° 8	9°17	5°30	25°11	5°41	24°29	24° 1	7°59	0°29	T 25
F 26	10 59 4	16°36'04	21°18	3° 1	1°33	7°31	17° 0	9°21	5°33	25°13	5°42	24°16	23°58	8° 6	0°33	F 26
S 27	11 3 0	17°35'49	4 ²³	4°34	2°38	8°17	16°53	9°25	5°35	25°15	5°43	24° 3	23°55	8°12	0°37	S 27
S 28	11 6 57	18 ³⁵ 32	17 ⁴¹	6 ²	3 ⁴³	9 ³	16 ⁴⁵	9 ²⁸	5 ³⁸	25 ¹⁷	5 ⁴⁴	23 ⁵¹	23 ⁵²	8 ¹⁹	0 ⁴¹	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	14s22	3s53	4n39	17s47	2s 5	1n11	0s 8	23s 2	0s48	5n20	1n29	22s39	0n39	12n43	0s26	13s58	0s32	20s26	2n58	23n27	23n25	24n18	14s 5	6n32			
T 2	14 2	9 11	4 2	17 14	2 4	1 42	0 4	22 56	0 49	5 23	1 29	22 39	0 39	12 44	0 26	13 57	0 32	20 26	2 58	23 27	23 25	24 18	14 4	6 32			
W 3	13 42	14 9	3 11	16 39	2 3	2 14	0n 0	22 50	0 50	5 25	1 30	22 39	0 39	12 44	0 25	13 57	0 32	20 26	2 58	23 27	23 25	24 19	14 3	6 32			
T 4	13 22	18 28	2 8	16 2	2 1	2 45	0 4	22 44	0 50	5 28	1 30	22 38	0 39	12 45	0 25	13 56	0 32	20 26	2 58	23 27	23 25	24 19	14 1	6 32			
F 5	13 2	21 49	0 56	15 24	1 59	3 17	0 8	22 37	0 51	5 31	1 30	22 38	0 39	12 45	0 25	13 55	0 32	20 26	2 58	23 27	23 25	24 20	14 0	6 32			
S 6	12 42	23 51	0s20	14 44	1 57	3 48	0 13	22 31	0 51	5 34	1 30	22 38	0 39	12 46	0 25	13 54	0 32	20 26	2 58	23 27	23 25	24 20	13 59	6 32			
S 7	12 21	24 17	1 37	14 3	1 54	4 19	0 17	22 24	0 52	5 36	1 30	22 37	0 39	12 47	0 25	13 54	0 32	20 26	2 58	23 27	23 24	24 21	13 58	6 33			
M 8	12 0	23 3	2 47	13 21	1 50	4 50	0 21	22 16	0 53	5 39	1 31	22 37	0 39	12 47	0 25	13 53	0 32	20 26	2 58	23 27	23 24	24 22	13 57	6 33			
T 9	11 39	20 13	3 46	12 37	1 46	5 21	0 26	22 9	0 53	5 42	1 31	22 37	0 39	12 48	0 25	13 52	0 32	20 26	2 58	23 27	23 24	24 22	13 56	6 33			
W10	11 18	16 7	4 30	11 51	1 41	5 52	0 30	22 1	0 54	5 45	1 31	22 37	0 39	12 48	0 25	13 51	0 33	20 25	2 58	23 26	23 24	24 23	13 55	6 33			
T 11	10 56	11 7	4 56	11 5	1 35	6 23	0 34	21 53	0 55	5 48	1 31	22 36	0 39	12 49	0 25	13 51	0 33	20 25	2 58	23 26	23 24	24 23	13 54	6 34			
F 12	10 35	5 38	5 3	10 17	1 29	6 53	0 39	21 45	0 55	5 51	1 31	22 36	0 39	12 50	0 25	13 50	0 33	20 25	2 58	23 26	23 24	24 24	13 52	6 34			
S 13	10 13	0 2	4 52	9 27	1 23	7 24	0 43	21 37	0 56	5 54	1 31	22 36	0 39	12 51	0 25	13 49	0 33	20 25	2 58	23 25	23 24	24 24	13 51	6 34			
S 14	9 51	5n24	4 25	8 37	1 16	7 54	0 48	21 28	0 56	5 57	1 31	22 35	0 39	12 51	0 25	13 48	0 33	20 25	2 58	23 25	23 24	24 25	13 50	6 34			
M15	9 29	10 27	3 46	7 46	1 8	8 24	0 52	21 19	0 57	6 0	1 32	22 35	0 39	12 52	0 25	13 48	0 33	20 25	2 58	23 25	23 23	24 25	13 49	6 35			
T 16	9 7	14 55	2 56	6 53	0 59	8 54	0 57	21 10	0 58	6 3	1 32	22 35	0 39	12 53	0 25	13 47	0 33	20 25	2 58	23 25	23 23	24 26	13 48	6 35			
W17	8 44	18 40	2 0	6 0	0 50	9 24	1 2	21 1	0 58	6 6	1 32	22 35	0 39	12 53	0 25	13 46	0 33	20 25	2 58	23 25	23 23	24 26	13 47	6 35			
T 18	8 22	21 34	0 59	5 6	0 41	9 53	1 6	20 52	0 59	6 9	1 32	22 34	0 39	12 54	0 25	13 46	0 33	20 25	2 58	23 25	23 23	24 27	13 45	6 35			
F 19	7 59	23 30	0n 4	4 12	0 31	10 22	1 11	20 42	0 59	6 12	1 32	22 34	0 39	12 55	0 25	13 45	0 33	20 25	2 58	23 25	23 23	24 27	13 44	6 36			
S 20	7 36	24 23	1 6	3 18	0 20	10 51	1 16	20 32	1 0	6 15	1 32	22 34	0 39	12 56	0 25	13 44	0 33	20 25	2 58	23 25	23 23	24 28	13 43	6 36			
S 21	7 14	24 9	2 5	2 23	0 8	11 20	1 20	20 22	1 1	6 18	1 32	22 33	0 38	12 57	0 25	13 43	0 33	20 25	2 58	23 25	23 23	24 28	13 42	6 36			
M22	6 51	22 49	3 0	1 29	0n 3	11 49	1 25	20 11	1 1	6 21	1 32	22 33	0 38	12 57	0 25	13 43	0 33	20 25	2 58	23 24	23 22	24 29	13 41	6 37			
T 23	6 28	20 26	3 47	0 35	0 15	12 17	1 30	20 1	1 2	6 24	1 32	22 33	0 38	12 58	0 25	13 42	0 33	20 25	2 58	23 24	23 22	24 29	13 40	6 37			
W24	6 5	17 4	4 24	0n18	0 28	12 45	1 35	19 50	1 2	6 28	1 32	22 33	0 38	12 59	0 25	13 41	0 33	20 25	2 58	23 24	23 22	24 30	13 39	6 37			
T 25	5 41	12 53	4 49	1 11	0 41	13 13	1 39	19 39	1 3	6 31	1 32	22 32	0 38	13 0	0 25	13 40	0 33	20 25	2 58	23 23	23 22	24 30	13 37	6 38			
F 26	5 18	8 3	5 0	2 1	0 54	13 40	1 44	19 28	1 4	6 34	1 32	22 32	0 38	13 1	0 25	13 40	0 33	20 25	2 58	23 23	23 22	24 31	13 36	6 38			
S 27	4 55	2 46	4 55	2 51	1 7	14 7	1 49	19 16	1 4	6 37	1 33	22 32	0 38	13 2	0 25	13 39	0 33	20 25	2 58	23 22	23 22	24 31	13 35	6 38			
S 28	4s31	2s43	4n35	3n38	1n20	14n34	1n54	19s 5	1s 5	6n40	1n33	22s32	0n38	13n 3	0s25	13s38	0s33	20s25	2n58	23n22	23n22	24n32	13s34	6n39			

Julian Day Number = 2275538.5, Delta T = 251.49 sec

Ecliptic obliquity = 23°30'08, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°00'58, Lahiri = 17°07'58 Julian Calendar 1 Feb. 1518 == Greg. Calendar 1

ASTRODIENST EPHEMERIS for the year 1518
geocentric

MARCH 1518 JC

00:00 UT

Day	Sid.t	☉	☽	♊	♋	♌	♍	♎	♏	♐	♑	♒	♓	♈	♉	Day
M 1	11 10 53	19°35'13	1♈ 9	7°26	4♈48	9°49	16°R37	9°32	5♈40	25°20	5♈45	23°R42	23°II49	8°26	0°45	M 1
T 2	11 14 50	20°34'52	14°48	8°43	5°52	10°35	16°II29	9°36	5°43	25°22	5°46	23°II36	23°46	8°32	0°48	T 2
W 3	11 18 46	21°34'29	28°34	9°55	6°56	11°22	16°21	9°40	5°46	25°24	5°47	23°32	23°42	8°39	0°52	W 3
T 4	11 22 43	22°34'05	12°28	11° 0	8° 0	12° 8	16°14	9°43	5°48	25°26	5°47	23°31	23°39	8°46	0°56	T 4
F 5	11 26 40	23°33'39	26°29	11°58	9° 3	12°54	16° 6	9°47	5°51	25°28	5°48	23°31	23°36	8°52	0°59	F 5
S 6	11 30 36	24°33'12	10°37	12°49	10° 6	13°40	15°58	9°50	5°54	25°30	5°49	23°31	23°33	8°59	1° 3	S 6
S 7	11 34 33	25°32'42	24°52	13°33	11° 9	14°26	15°51	9°53	5°57	25°32	5°50	23°29	23°30	9° 6	1° 7	S 7
M 8	11 38 29	26°32'11	9°10	14° 9	12°11	15°12	15°43	9°57	5°59	25°34	5°50	23°24	23°26	9°12	1°10	M 8
T 9	11 42 26	27°31'38	23°28	14°38	13°13	15°59	15°36	10° 0	6° 2	25°36	5°51	23°17	23°23	9°19	1°13	T 9
W10	11 46 22	28°31'03	7°43	14°58	14°15	16°45	15°28	10° 3	6° 5	25°38	5°52	23° 7	23°20	9°26	1°17	W10
T 11	11 50 19	29°30'26	21°48	15°12	15°16	17°31	15°21	10° 6	6° 8	25°40	5°52	22°55	23°17	9°32	1°20	T 11
F 12	11 54 15	0°29'47	5°39	15°R17	16°17	18°17	15°13	10° 9	6°11	25°42	5°53	22°42	23°14	9°39	1°23	F 12
S 13	11 58 12	1°29'05	19°11	15°15	17°18	19° 3	15° 6	10°11	6°14	25°44	5°53	22°30	23°11	9°46	1°27	S 13
S 14	12 2 9	2°28'22	2°22	15° 6	18°18	19°50	14°59	10°14	6°17	25°46	5°54	22°20	23° 7	9°52	1°30	S 14
M15	12 6 5	3°27'37	15°11	14°50	19°18	20°36	14°52	10°17	6°20	25°48	5°54	22°13	23° 4	9°59	1°33	M15
T 16	12 10 2	4°26'49	27°40	14°28	20°17	21°22	14°45	10°19	6°23	25°50	5°55	22° 8	23° 1	10° 6	1°36	T 16
W17	12 13 58	5°25'59	9°11	13°59	21°16	22° 8	14°38	10°22	6°26	25°52	5°55	22° 6	22°58	10°12	1°39	W17
T 18	12 17 55	6°25'07	21°50	13°26	22°15	22°54	14°31	10°24	6°29	25°53	5°55	22°D 5	22°55	10°19	1°42	T 18
F 19	12 21 51	7°24'12	3°41	12°48	23°13	23°41	14°24	10°26	6°32	25°55	5°56	22°R 5	22°52	10°25	1°45	F 19
S 20	12 25 48	8°23'15	15°29	12° 7	24°10	24°27	14°18	10°28	6°36	25°57	5°56	22° 5	22°48	10°32	1°47	S 20
S 21	12 29 44	9°22'16	27°20	11°22	25° 7	25°13	14°11	10°31	6°39	25°59	5°56	22° 4	22°45	10°39	1°50	S 21
M22	12 33 41	10°21'14	9°20	10°36	26° 4	25°59	14° 5	10°32	6°42	26° 1	5°56	22° 0	22°42	10°45	1°53	M22
T 23	12 37 38	11°20'10	21°32	9°49	27° 0	26°45	13°59	10°34	6°45	26° 2	5°57	21°54	22°39	10°52	1°55	T 23
W24	12 41 34	12°19'04	4°11	9° 2	27°55	27°32	13°52	10°36	6°48	26° 4	5°57	21°45	22°36	10°59	1°58	W24
T 25	12 45 31	13°17'56	16°48	8°16	28°50	28°18	13°46	10°38	6°52	26° 6	5°57	21°35	22°32	11° 5	2° 0	T 25
F 26	12 49 27	14°16'45	29°55	7°32	29°44	29° 4	13°40	10°39	6°55	26° 7	5°57	21°24	22°29	11°12	2° 3	F 26
S 27	12 53 24	15°15'32	13°20	6°50	0°II38	29°50	13°35	10°41	6°58	26° 9	5°57	21°12	22°26	11°19	2° 5	S 27
S 28	12 57 20	16°14'18	27° 2	6°11	1°31	0°II36	13°29	10°42	7° 1	26°11	5°57	21° 2	22°23	11°25	2° 7	S 28
M29	13 1 17	17°13'01	10°16	5°36	2°23	1°23	13°24	10°44	7° 5	26°12	5°R57	20°55	22°20	11°32	2°10	M29
T 30	13 5 13	18°11'43	24°59	5° 5	3°15	2° 9	13°18	10°45	7° 8	26°14	5°57	20°50	22°17	11°39	2°12	T 30
W31	13 9 10	19°10'22	9°17	4°39	4°II 5	2°II55	13°II13	10°346	7°II11	26°15	5°357	20°II47	22°II13	11°345	2°14	W31

Day	☉	☾		♊		♋		♌		♍		♎		♏		♐		♑		♒		♓		♈	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
M 1	4s 8	8s10	3n59	4n23	1n33	15n 1	1n58	18s53	1s 5	6n43	1n33	22s31	0n38	13n 3	0s25	13s38	0s33	20s25	2n58	23n21	23n21	24n32	13s33	6n39	
T 2	3 45	13 18	3 9	5 5	1 46	15 27	2 3	18 41	1 6	6 46	1 33	22 31	0 38	13 4	0 25	13 37	0 33	20 25	2 58	23 21	23 21	24 32	13 32	6 39	
W 3	3 21	17 49	2 8	5 45	1 59	15 53	2 8	18 29	1 6	6 49	1 33	22 31	0 38	13 5	0 25	13 36	0 33	20 25	2 58	23 21	23 21	24 33	13 31	6 40	
T 4	2 57	21 23	0 58	6 22	2 11	16 18	2 13	18 16	1 7	6 52	1 33	22 31	0 38	13 6	0 25	13 36	0 33	20 25	2 58	23 21	23 21	24 33	13 30	6 40	
F 5	2 34	23 43	0s16	6 56	2 22	16 43	2 17	18 4	1 7	6 55	1 33	22 30	0 38	13 7	0 25	13 35	0 33	20 25	2 58	23 21	23 21	24 34	13 28	6 40	
S 6	2 10	24 33	1 29	7 26	2 33	17 8	2 22	17 51	1 8	6 58	1 33	22 30	0 38	13 8	0 25	13 34	0 33	20 25	2 58	23 21	23 21	24 34	13 27	6 41	
S 7	1 47	23 48	2 37	7 52	2 44	17 32	2 27	17 38	1 9	7 1	1 33	22 30	0 38	13 9	0 25	13 34	0 33	20 25	2 58	23 20	23 21	24 34	13 26	6 41	
M 8	1 23	21 29	3 36	8 15	2 53	17 56	2 31	17 25	1 9	7 4	1 33	22 30	0 38	13 10	0 25	13 33	0 33	20 25	2 58	23 20	23 20	24 35	13 25	6 41	
T 9	0 59	17 50	4 21	8 34	3 1	18 20	2 36	17 12	1 10	7 7	1 33	22 29	0 38	13 11	0 25	13 32	0 33	20 25	2 58	23 20	23 20	24 35	13 24	6 42	
W10	0 35	13 10	4 50	8 49	3 8	18 43	2 41	16 58	1 10	7 10	1 33	22 29	0 38	13 12	0 25	13 32	0 33	20 25	2 58	23 19	23 20	24 36	13 23	6 42	
T 11	0 12	7 51	5 0	8 59	3 14	19 5	2 45	16 45	1 11	7 13	1 33	22 29	0 38	13 13	0 25	13 31	0 33	20 25	2 58	23 19	23 20	24 36	13 22	6 43	
F 12	0n12	2 14	4 53	9 6	3 19	19 28	2 50	16 31	1 11	7 16	1 32	22 29	0 38	13 14	0 25	13 30	0 33	20 25	2 58	23 18	23 20	24 36	13 21	6 43	
S 13	0 36	3n23	4 29	9 8	3 22	19 50	2 54	16 17	1 12	7 18	1 32	22 29	0 38	13 15	0 25	13 30	0 33	20 25	2 58	23 17	23 20	24 37	13 20	6 43	
S 14	0 59	8 42	3 51	9 6	3 24	20 11	2 59	16 3	1 12	7 21	1 32	22 28	0 38	13 16	0 25	13 29	0 33	20 25	2 58	23 17	23 19	24 37	13 19	6 44	
M15	1 23	13 32	3 2	9 0	3 24	20 32	3 3	15 49	1 13	7 24	1 32	22 28	0 38	13 17	0 25	13 28	0 33	20 25	2 58	23 16	23 19	24 37	13 18	6 44	
T 16	1 46	17 39	2 6	8 49	3 23	20 53	3 8	15 34	1 13	7 26	1 32	22 28	0 38	13 18	0 25	13 28	0 33	20 25	2 58	23 16	23 19	24 38	13 17	6 45	
W17	2 10	20 55	1 5	8 36	3 19	21 13	3 12	15 20	1 14	7 29	1 32	22 28	0 38	13 19	0 24	13 27	0 33	20 25	2 58	23 16	23 19	24 38	13 15	6 45	
T 18	2 33	23 14	0 1	8 18	3 14	21 32	3 16	15 5	1 14	7 32	1 32	22 28	0 38	13 20	0 24	13 27	0 33	20 25	2 58	23 16	23 19	24 38	13 14	6 45	
F 19	2 57	24 28	1n 1	7 57	3 8	21 51	3 20	14 50	1 15	7 34	1 32	22 27	0 38	13 21	0 24	13 26	0 33	20 25	2 58	23 16	23 19	24 39	13 13	6 46	
S 20	3 20	24 36	2 1	7 33	3 0	22 10	3 25	14 35	1 15	7 37	1 32	22 27	0 38	13 22	0 24	13 25	0 33	20 25	2 58	23 16	23 18	24 39	13 12	6 46	
S 21	3 43	23 37	2 56	7 7	2 50	22 28	3 29	14 20	1 15	7 39	1 32	22 27	0 38	13 23	0 24	13 25	0 33	20 25	2 58	23 16	23 18	24 39	13 11	6 47	
M22	4 7	21 33	3 43	6 39	2 39	22 46	3 33	14 5	1 16	7 41	1 32	22 27	0 38	13 24	0 24	13 24	0 33	20 25	2 58	23 16	23 18	24 40	13 10	6 47	
T 23	4 30	18 29	4 22	6 9	2 26	23 3	3 37	13 49	1 16	7 44	1 32	22 27	0 38	13 25	0 24	13 24	0 33	20 25	2 58	23 15	23 18	24 40	13 9	6 48	
W24	4 53	14 32	4 48	5 38	2 13	23 20	3 41	13 34	1 17	7 46	1 32	22 27	0 38	13 26	0 24	13 23	0 33	20 25	2 58	23 15	23 18	24 40	13 8	6 48	
T 25	5 16	9 51	5 1	5 6	1 58	23 36	3 44	13 18	1 17	7 48	1 31	22 27	0 38	13 27	0 24	13 22	0 33	20 25	2 58	23 14	23 18	24 40	13 7	6 49	
F 26	5 39	4 36	4 59	4 34	1 43	23 51	3 48	13 2	1 18	7 50	1 31	22 27	0 38	13 28	0 24	13 22	0 33	20 25	2 58	23 13	23 17	24 41	13 6	6 49	
S 27	6 1	0s58	4 41	4 3	1 27	24 7	3 52	12 47	1 18	7 53	1 31	22 26	0 38	13 30	0 24	13 21	0 33	20 25	2 58	23 13	23 17	24 41	13 5	6 49	
S 28	6 24	6 37	4 6	3 33	1 11	24 21	3 55	12 31	1 18	7 55	1 31	22 26	0 38	13 31	0 24	13 21	0 33	20 25	2 58	23 12	23 17	24 41	13 5	6 50	
M29	6 47	12 3	3 16	3 4	0 55	24 35	3 58	12 14	1 19	7 57	1 31	22 26	0 38	13 32	0 24	13 20	0 33	20 25	2 58	23 11	23 17	24 41	13 4	6 50	
T 30	7 9	16 55	2 13	2 36	0 38	24 49	4 2	11 58	1 19	7 59	1 31	22 26	0 38	13 33	0 24	13 20	0 33	20 25	2 58	23 11	23 17	24 42	13 3	6 51	
W31	7n32	20s51	1n 2	2n11	0n22	25n 2	4n 5	11s42	1s20	8n 0	1n31	22s26	0n38	13n34	0s24	13s19	0s33	20s25	2n58	23n11	23n16	24n42	13s 2	6n51	

Julian Day Number = 2275566.5, Delta T = 251.32 sec
Ecliptic obliquity = 23°30'09, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°01'02, Lahiri = 17°08'02 Julian Calendar 1 March 1518 == Greg. Calendar 11 March 1518

ASTRODIENST EPHEMERIS for the year 1518
geocentric

APRIL 1518 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	13 13 7	20°Y 9'00	23°18	4°R17	4°II56	3°H41	13°R 8	10°347	7°B15	26°17	5°R57	20°D46	22°II10	11°552	2°16	T 1
F 2	13 17 3	21° 7'37	7°38	4°Y 0	5°45	4°27	13°M 3	10°48	7°18	26°19	5°57	20°II47	22° 7	11°59	2°18	F 2
S 3	13 21 0	22° 6'12	21°37	3°49	6°34	5°14	12°58	10°49	7°21	26°20	5°57	20°R48	22° 4	12° 5	2°20	S 3
S 4	13 24 56	23° 4'45	5°43	3°42	7°21	6° 0	12°54	10°49	7°25	26°21	5°57	20°47	22° 1	12°12	2°22	S 4
M 5	13 28 53	24° 3'16	19°44	3°D41	8° 8	6°46	12°49	10°50	7°28	26°23	5°57	20°44	21°58	12°19	2°23	M 5
T 6	13 32 49	25° 1'46	3°H40	3°45	8°54	7°32	12°45	10°50	7°32	26°24	5°56	20°39	21°54	12°25	2°25	T 6
W 7	13 36 46	26° 0'14	17°29	3°53	9°40	8°18	12°41	10°51	7°35	26°26	5°56	20°32	21°51	12°32	2°27	W 7
T 8	13 40 42	26°58'40	1°Y 7	4° 7	10°24	9° 4	12°37	10°51	7°38	26°27	5°56	20°23	21°48	12°39	2°28	T 8
F 9	13 44 39	27°57'05	14°33	4°25	11° 7	9°50	12°33	10°51	7°42	26°28	5°56	20°14	21°45	12°45	2°30	F 9
S 10	13 48 36	28°55'28	27°43	4°48	11°49	10°36	12°30	10°51	7°45	26°30	5°55	20° 6	21°42	12°52	2°31	S 10
S 11	13 52 32	29°53'49	10°B38	5°15	12°31	11°22	12°26	10°R52	7°49	26°31	5°55	19°58	21°38	12°59	2°32	S 11
M12	13 56 29	0°B52'08	23°15	5°46	13°11	12° 8	12°23	10°51	7°52	26°32	5°54	19°53	21°35	13° 5	2°34	M12
T 13	14 0 25	1°50'25	5°II37	6°22	13°50	12°54	12°20	10°51	7°56	26°33	5°54	19°50	21°32	13°12	2°35	T 13
W14	14 4 22	2°48'40	17°45	7° 1	14°28	13°40	12°17	10°51	7°59	26°35	5°54	19°D49	21°29	13°18	2°36	W14
T 15	14 8 18	3°46'54	29°42	7°44	15° 4	14°26	12°14	10°51	8° 3	26°36	5°53	19°49	21°26	13°25	2°37	T 15
F 16	14 12 15	4°45'05	11°533	8°31	15°39	15°12	12°12	10°50	8° 6	26°37	5°53	19°50	21°23	13°32	2°38	F 16
S 17	14 16 11	5°43'14	23°21	9°21	16°13	15°58	12° 9	10°50	8° 9	26°38	5°52	19°52	21°19	13°38	2°39	S 17
S 18	14 20 8	6°41'22	5°13	10°14	16°46	16°44	12° 7	10°49	8°13	26°39	5°51	19°R52	21°16	13°45	2°40	S 18
M19	14 24 5	7°39'27	17°13	11°10	17°17	17°30	12° 5	10°48	8°16	26°40	5°51	19°52	21°13	13°52	2°40	M19
T 20	14 28 1	8°37'31	29°27	12°10	17°47	18°16	12° 3	10°47	8°20	26°41	5°50	19°50	21°10	13°58	2°41	T 20
W21	14 31 58	9°35'32	11°M58	13°12	18°15	19° 2	12° 1	10°46	8°23	26°42	5°50	19°46	21° 7	14° 5	2°42	W21
T 22	14 35 54	10°33'32	24°50	14°18	18°41	19°47	12° 0	10°45	8°27	26°43	5°49	19°41	21° 3	14°12	2°42	T 22
F 23	14 39 51	11°31'29	8°4	15°26	19° 6	20°33	11°59	10°44	8°30	26°44	5°48	19°35	21° 0	14°18	2°43	F 23
S 24	14 43 47	12°29'25	21°42	16°36	19°29	21°19	11°58	10°43	8°34	26°45	5°47	19°29	20°57	14°25	2°43	S 24
S 25	14 47 44	13°27'19	5°M41	17°49	19°50	22° 5	11°57	10°42	8°37	26°46	5°47	19°23	20°54	14°32	2°44	S 25
M26	14 51 40	14°25'12	19°57	19° 5	20°10	22°50	11°56	10°40	8°41	26°46	5°46	19°19	20°51	14°38	2°44	M26
T 27	14 55 37	15°23'03	4°26	20°23	20°27	23°36	11°55	10°39	8°44	26°47	5°45	19°17	20°48	14°45	2°44	T 27
W28	14 59 33	16°20'53	19° 0	21°44	20°43	24°21	11°55	10°37	8°48	26°48	5°44	19°D16	20°44	14°52	2°44	W28
T 29	15 3 30	17°18'42	3°35	23° 7	20°56	25° 7	11°55	10°36	8°51	26°49	5°43	19°17	20°41	14°58	2°R44	T 29
F 30	15 7 27	18°16'29	18°5	24°Y32	21°II 8	25°H53	11°D55	10°34	8°54	26°49	5°43	19°II18	20°II38	15°5	2°44	F 30

Day	☉	☾		♀		♀		♂		♂		♂		♂		♂		♂		♂		♂		♂		♂	
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
T 1	7n54	23s33	0s13	1n47	0n 5	25n14	4n 8	11s26	1s20	8n 2	1n31	22s26	0n38	13n35	0s24	13s19	0s33	20s25	2n58	23n11	23n16	24n42	13s 1	6n52			
F 2	8 16	24 45	1 28	1 26	0s10	25 26	4 11	11 9	1 20	8 4	1 30	22 26	0 38	13 36	0 24	13 18	0 33	20 25	2 58	23 11	23 16	24 42	13 0	6 52			
S 3	8 38	24 21	2 37	1 8	0 26	25 37	4 14	10 52	1 21	8 6	1 30	22 26	0 38	13 37	0 24	13 18	0 34	20 25	2 58	23 11	23 16	24 43	12 59	6 53			
S 4	9 0	22 23	3 37	0 51	0 41	25 48	4 16	10 36	1 21	8 7	1 30	22 26	0 38	13 38	0 24	13 17	0 34	20 25	2 58	23 11	23 16	24 43	12 58	6 53			
M 5	9 21	19 5	4 22	0 38	0 55	25 59	4 19	10 19	1 22	8 9	1 30	22 26	0 38	13 40	0 24	13 17	0 34	20 25	2 58	23 11	23 15	24 43	12 57	6 54			
T 6	9 43	14 43	4 53	0 27	1 8	26 9	4 21	10 2	1 22	8 10	1 30	22 26	0 38	13 41	0 24	13 16	0 34	20 25	2 58	23 10	23 15	24 43	12 57	6 54			
W 7	10 4	9 38	5 5	0 19	1 21	26 18	4 23	9 45	1 22	8 12	1 30	22 26	0 38	13 42	0 24	13 16	0 34	20 25	2 58	23 10	23 15	24 43	12 56	6 55			
T 8	10 25	4 9	5 0	0 13	1 33	26 27	4 25	9 28	1 23	8 13	1 29	22 26	0 38	13 43	0 24	13 16	0 34	20 25	2 58	23 9	23 15	24 44	12 55	6 55			
F 9	10 46	1n28	4 39	0 10	1 45	26 35	4 27	9 11	1 23	8 14	1 29	22 26	0 38	13 44	0 24	13 15	0 34	20 25	2 58	23 9	23 15	24 44	12 54	6 56			
S 10	11 7	6 55	4 3	0 9	1 55	26 42	4 29	8 54	1 23	8 16	1 29	22 26	0 38	13 45	0 24	13 15	0 34	20 25	2 58	23 8	23 14	24 44	12 53	6 56			
S 11	11 28	11 58	3 15	0 11	2 5	26 50	4 31	8 36	1 24	8 17	1 29	22 26	0 38	13 46	0 24	13 14	0 34	20 25	2 58	23 7	23 14	24 44	12 53	6 57			
M12	11 48	16 24	2 18	0 15	2 14	26 56	4 32	8 19	1 24	8 18	1 29	22 26	0 38	13 47	0 24	13 14	0 34	20 25	2 58	23 7	23 14	24 44	12 52	6 57			
T 13	12 9	20 3	1 16	0 22	2 22	27 2	4 33	8 2	1 24	8 19	1 28	22 26	0 38	13 49	0 24	13 14	0 34	20 25	2 58	23 7	23 14	24 44	12 51	6 58			
W14	12 29	22 45	0 11	0 30	2 30	27 8	4 34	7 44	1 24	8 20	1 28	22 26	0 38	13 50	0 24	13 13	0 34	20 25	2 58	23 7	23 14	24 45	12 50	6 58			
T 15	12 49	24 23	0n53	0 41	2 36	27 13	4 35	7 27	1 25	8 21	1 28	22 26	0 38	13 51	0 24	13 13	0 34	20 25	2 58	23 7	23 13	24 45	12 50	6 59			
F 16	13 8	24 55	1 55	0 54	2 42	27 17	4 35	7 9	1 25	8 22	1 28	22 26	0 38	13 52	0 24	13 12	0 34	20 25	2 57	23 7	23 13	24 45	12 49	6 59			
S 17	13 28	24 18	2 52	1 9	2 47	27 21	4 35	6 51	1 25	8 22	1 28	22 26	0 38	13 53	0 24	13 12	0 34	20 25	2 57	23 7	23 13	24 45	12 48	7 0			
S 18	13 47	22 35	3 41	1 26	2 52	27 25	4 35	6 34	1 25	8 23	1 28	22 26	0 38	13 54	0 24	13 12	0 34	20 25	2 57	23 7	23 13	24 45	12 47	7 0			
M19	14 6	19 52	4 22	1 44	2 56	27 27	4 35	6 16	1 26	8 23	1 27	22 26	0 38	13 55	0 24	13 11	0 34	20 25	2 57	23 7	23 13	24 45	12 47	7 1			
T 20	14 25	16 14	4 51	2 5	2 59	27 30	4 35	5 58	1 26	8 24	1 27	22 26	0 38	13 56	0 24	13 11	0 34	20 25	2 57	23 7	23 12	24 45	12 46	7 1			
W21	14 43	11 50	5 8	2 27	3 1	27 32	4 34	5 40	1 26	8 24	1 27	22 26	0 38	13 58	0 24	13 11	0 34	20 25	2 57	23 6	23 12	24 45	12 46	7 2			
T 22	15 2	6 47	5 9	2 51	3 3	27 33	4 33	5 23	1 26	8 25	1 27	22 27	0 38	13 59	0 24	13 10	0 34	20 25	2 57	23 6	23 12	24 46	12 45	7 2			
F 23	15 20	1 18	4 55	3 16	3 3	27 34	4 31	5 5	1 27	8 25	1 26	22 27	0 38	14 0	0 24	13 10	0 34	20 25	2 57	23 6	23 12	24 46	12 44	7 3			
S 24	15 38	4s25	4 23	3 43	3 4	27 34	4 30	4 47	1 27	8 25	1 26	22 27	0 37	14 1	0 24	13 10	0 34	20 25	2 57	23 5	23 12	24 46	12 44	7 3			
S 25	15 55	10 4	3 35	4 11	3 3	27 33	4 28	4 29	1 27	8 26	1 26	22 27	0 37	14 2	0 24	13 10	0 34	20 25	2 57	23 5	23 11	24 46	12 43	7 4			
M26	16 12	15 19	2 33	4 41	3 2	27 33	4 25	4 11	1 27	8 26	1 26	22 27	0 37	14 3	0 24	13 9	0 34	20 25	2 57	23 4	23 11	24 46	12 43	7 4			
T 27	16 29	19 46	1 20	5 12	3 1	27 31	4 22	3 53	1 27	8 26	1 26	22 27	0 37	14 4	0 24	13 9	0 34	20 26	2 57	23 4	23 11	24 46	12 42	7 5			
W28	16 46	23 1	0 1	5 44	2 59	27 29	4 19	3 35	1 28	8 26	1 25	22 27	0 37	14 5	0 24	13 9	0 34	20 26	2 57	23 4	23 11	24 46	12 42	7 5			
T 29	17 3	24 45	1s18	6 17	2 56	27 27	4 16	3 17	1 28	8 25	1 25	22 27	0 37	14 6	0 24	13 9	0 34	20 26	2 57	23 4	23 10	24 46	12 41	7 6			
F 30	17n19	24s47	2s31	6n52	2s52	27n24	4n12	2s59	1s28	8n25	1n25	22s28	0n37	14n 8	0s24	13s 9	0s34	20s26	2n57	23n 4	23n10	24n46	12s41	7n 6			

ASTRODIENST EPHEMERIS for the year 1518

geocentric

MAY 1518 JC

00:00 UT

Day	Sid.t	☉	☾	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	15 11 23	19°14'15	2°26	26°0	21°17	26°38	11°55	10°R32	8°58	26°50	5°R42	19°19	20°35	15°12	2°R44	S 1
S 2	15 15 20	20°12'00	16°36	27°30	21°24	27°24	11°55	10°30	9° 1	26°51	5°41	19°R20	20°32	15°18	2°44	S 2
M 3	15 19 16	21° 9'44	0°33	29° 2	21°29	28° 9	11°56	10°28	9° 5	26°51	5°40	19°20	20°29	15°25	2°44	M 3
T 4	15 23 13	22° 7'27	14°17	0°36	21°32	28°55	11°56	10°26	9° 8	26°52	5°39	19°18	20°25	15°32	2°43	T 4
W 5	15 27 9	23° 5'09	27°46	2°13	21°R32	29°40	11°57	10°24	9°12	26°52	5°38	19°16	20°22	15°38	2°43	W 5
T 6	15 31 6	24° 2'49	11°Y 2	3°52	21°30	0°Y25	11°58	10°21	9°15	26°53	5°37	19°12	20°19	15°45	2°42	T 6
F 7	15 35 3	25° 0'29	24° 4	5°33	21°25	1°11	12° 0	10°19	9°18	26°53	5°36	19° 8	20°16	15°52	2°42	F 7
S 8	15 38 59	25°58'07	6°52	7°17	21°19	1°56	12° 1	10°17	9°22	26°54	5°35	19° 5	20°13	15°58	2°41	S 8
S 9	15 42 56	26°55'44	19°26	9° 2	21° 9	2°41	12° 3	10°14	9°25	26°54	5°34	19° 2	20° 9	16° 5	2°41	S 9
M10	15 46 52	27°53'20	1°48	10°50	20°58	3°26	12° 4	10°11	9°28	26°55	5°33	19° 0	20° 6	16°12	2°40	M10
T 11	15 50 49	28°50'55	13°58	12°40	20°44	4°11	12° 6	10° 9	9°32	26°55	5°31	18°D59	20° 3	16°18	2°39	T 11
W12	15 54 45	29°48'29	25°59	14°32	20°27	4°56	12° 8	10° 6	9°35	26°55	5°30	18°59	20° 0	16°25	2°38	W12
T 13	15 58 42	0°46'02	7°52	16°26	20° 9	5°41	12°11	10° 3	9°38	26°55	5°29	19° 0	19°57	16°32	2°37	T 13
F 14	16 2 38	1°43'33	19°42	18°23	19°48	6°26	12°13	10° 0	9°42	26°56	5°28	19° 1	19°54	16°38	2°36	F 14
S 15	16 6 35	2°41'03	1°30	20°21	19°24	7°11	12°16	9°57	9°45	26°56	5°27	19° 3	19°50	16°45	2°35	S 15
S 16	16 10 32	3°38'31	13°22	22°22	18°59	7°56	12°19	9°54	9°48	26°56	5°26	19° 4	19°47	16°52	2°34	S 16
M17	16 14 28	4°35'59	25°22	24°24	18°31	8°41	12°22	9°51	9°51	26°56	5°24	19° 5	19°44	16°58	2°33	M17
T 18	16 18 25	5°33'25	7°34	26°29	18° 2	9°26	12°25	9°48	9°55	26°56	5°23	19°R 5	19°41	17° 5	2°32	T 18
W19	16 22 21	6°30'50	20° 3	28°35	17°31	10°11	12°28	9°45	9°58	26°56	5°22	19° 5	19°38	17°12	2°30	W19
T 20	16 26 18	7°28'13	2°54	0°42	16°59	10°55	12°32	9°41	10° 1	26°56	5°21	19° 4	19°35	17°18	2°29	T 20
F 21	16 30 14	8°25'35	16° 8	2°51	16°25	11°40	12°35	9°38	10° 4	26°R56	5°19	19° 3	19°31	17°25	2°27	F 21
S 22	16 34 11	9°22'57	29°48	5° 1	15°49	12°24	12°39	9°34	10° 7	26°56	5°18	19° 1	19°28	17°32	2°26	S 22
S 23	16 38 7	10°20'17	13°53	7°12	15°13	13° 9	12°43	9°31	10°10	26°56	5°17	19° 0	19°25	17°38	2°24	S 23
M24	16 42 4	11°17'36	28°21	9°23	14°36	13°53	12°47	9°27	10°14	26°56	5°15	19° 0	19°22	17°45	2°23	M24
T 25	16 46 1	12°14'55	13°7	11°35	13°59	14°38	12°51	9°24	10°17	26°56	5°14	18°D59	19°19	17°52	2°21	T 25
W26	16 49 57	13°12'13	28° 3	13°47	13°21	15°22	12°56	9°20	10°20	26°56	5°13	18°59	19°15	17°58	2°19	W26
T 27	16 53 54	14° 9'30	13°3	15°59	12°43	16° 6	13° 1	9°16	10°23	26°56	5°11	19° 0	19°12	18° 5	2°17	T 27
F 28	16 57 50	15° 6'47	27°54	18°10	12° 6	16°51	13° 5	9°13	10°26	26°56	5°10	19° 0	19° 9	18°12	2°15	F 28
S 29	17 1 47	16° 4'03	12°35	20°21	11°29	17°35	13°10	9° 9	10°29	26°55	5° 8	19° 0	19° 6	18°18	2°13	S 29
S 30	17 5 43	17° 1'19	26°58	22°31	10°53	18°19	13°15	9° 5	10°32	26°55	5° 7	19° 0	19° 3	18°25	2°11	S 30
M31	17 9 40	17°58'35	11°1	24°39	10°17	19°Y 3	13°20	9°3	10°35	26°55	5°3	19°0	19°0	18°32	2°9	M31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat
S 1	17n35	23s 9	3s35	7n27	2s48	27n20	4n 7	2s41	1s28	8n25	1n25	22s28	0n37	14n 9	0s24	13s 8	0s34
S 2	17 50	20 6	4 24	8 4	2 44	27 16	4 3	2 23	1 28	8 25	1 25	22 28	0 37	14 10	0 24	13 8	0 34
M 3	18 6	15 56	4 57	8 41	2 39	27 11	3 58	2 5	1 28	8 24	1 24	22 28	0 37	14 11	0 24	13 8	0 34
T 4	18 21	11 0	5 12	9 19	2 33	27 5	3 52	1 47	1 28	8 24	1 24	22 28	0 37	14 12	0 24	13 8	0 34
W 5	18 36	5 38	5 10	9 58	2 27	26 59	3 46	1 29	1 28	8 23	1 24	22 29	0 37	14 13	0 24	13 8	0 34
T 6	18 50	0 5	4 51	10 38	2 20	26 52	3 39	1 11	1 29	8 23	1 24	22 29	0 37	14 14	0 24	13 7	0 34
F 7	19 4	5n22	4 18	11 19	2 13	26 45	3 32	0 53	1 29	8 22	1 23	22 29	0 37	14 15	0 24	13 7	0 34
S 8	19 18	10 30	3 31	12 0	2 6	26 37	3 25	0 35	1 29	8 21	1 23	22 29	0 37	14 16	0 24	13 7	0 35
S 9	19 31	15 8	2 36	12 41	1 57	26 28	3 16	0 17	1 29	8 20	1 23	22 29	0 37	14 17	0 24	13 7	0 35
M10	19 44	19 3	1 33	13 23	1 49	26 19	3 8	0n 1	1 29	8 20	1 23	22 30	0 37	14 18	0 24	13 7	0 35
T 11	19 57	22 5	0 28	14 5	1 40	26 9	2 59	0 19	1 29	8 19	1 23	22 30	0 37	14 19	0 24	13 7	0 35
W12	20 10	24 5	0n39	14 48	1 31	25 58	2 49	0 37	1 29	8 18	1 22	22 30	0 37	14 21	0 24	13 7	0 35
T 13	20 22	24 58	1 43	15 30	1 21	25 47	2 39	0 54	1 29	8 17	1 22	22 30	0 37	14 22	0 24	13 7	0 35
F 14	20 34	24 43	2 42	16 12	1 11	25 35	2 29	1 12	1 29	8 15	1 22	22 31	0 37	14 23	0 24	13 7	0 35
S 15	20 45	23 21	3 34	16 54	1 1	25 22	2 18	1 30	1 29	8 14	1 22	22 31	0 37	14 24	0 24	13 7	0 35
S 16	20 56	20 58	4 17	17 36	0 50	25 8	2 6	1 48	1 29	8 13	1 21	22 31	0 37	14 25	0 24	13 7	0 35
M17	21 7	17 39	4 50	18 17	0 40	24 54	1 54	2 5	1 29	8 12	1 21	22 32	0 37	14 26	0 24	13 7	0 35
T 18	21 17	13 33	5 10	18 57	0 29	24 39	1 42	2 23	1 29	8 10	1 21	22 32	0 37	14 27	0 24	13 7	0 35
W19	21 27	8 48	5 17	19 36	0 18	24 24	1 29	2 41	1 29	8 9	1 21	22 32	0 37	14 28	0 24	13 7	0 35
T 20	21 37	3 33	5 8	20 14	0 7	24 7	1 16	2 58	1 29	8 7	1 21	22 32	0 37	14 29	0 24	13 7	0 35
F 21	21 46	2s 1	4 42	20 50	0n 3	23 51	1 3	3 16	1 29	8 5	1 20	22 33	0 37	14 30	0 24	13 7	0 35
S 22	21 55	7 41	4 0	21 25	0 14	23 33	0 49	3 33	1 29	8 4	1 20	22 33	0 36	14 31	0 24	13 7	0 35
S 23	22 3	13 9	3 3	21 58	0 24	23 16	0 35	3 51	1 29	8 2	1 20	22 33	0 36	14 32	0 24	13 7	0 35
M24	22 12	18 2	1 52	22 29	0 34	22 58	0 21	4 8	1 29	8 0	1 20	22 34	0 36	14 33	0 24	13 7	0 35
T 25	22 19	21 54	0 33	22 58	0 44	22 39	0 7	4 25	1 28	7 58	1 20	22 34	0 36	14 34	0 24	13 7	0 35
W26	22 27	24 19	0s50	23 24	0 53	22 21	0s 7	4 43	1 28	7 57	1 19	22 34	0 36	14 35	0 24	13 7	0 35
T 27	22 34	25 1	2 10	23 48	1 2	22 2	0 21	5 0	1 28	7 55	1 19	22 35	0 36	14 36	0 24	13 7	0 35
F 28	22 40	23 54	3 20	24 27	1 11	21 43	0 35	5 17	1 28	7 53	1 19	22 35	0 36	14 36	0 24	13 7	0 35
S 29	22 46	21 10	4 16	24 9	1 18	21 24	0 49	5 34	1 28	7 50	1 19	22 35	0 36	14 37	0 24	13 7	0 35
S 30	22 52	17 10	4 54	24 43	1 26	21 6	1 3	5 51	1 28	7 48	1 19	22 35	0 36	14 38	0 24	13 7	0 35
M31	22n57	12s18	5s14	24n56	1n32	20n47	1s17	6n 8	1s28	7n46	1n18	22s36	0n36	14n39	0s24	13s 8	0s35

Julian Day Number = 2275627.5, Delta T = 250.94 sec

Ecliptic obliquity = 23°30'08, Nutation = - 0°00'18, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°01'10, Lahiri = 17°08'11 Julian Calendar 1 May 1518 == Greg. Calendar 11 May 1518

ASTRODIENST EPHEMERIS for the year 1518

geocentric

JUNE 1518 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	17 13 36	18°55'50	24°42'	26°47'	9°R43	19°47'	13°26'	8°R57	10°37'	26°R54	5°R 4	19°II 0	18°II 56	18°38'	2°R 7	T 1
W 2	17 17 33	19°53'05	8°Y 3	28°52'	9°II 10	20°31'	13°31'	8°353	10°40'	26°54	5°3 3	19° 0	18°53'	18°45'	2°5 5	W 2
T 3	17 21 30	20°50'20	21° 5	0°56	8°39	21°15'	13°37'	8°49	10°43'	26°54	5° 1	19° 1	18°50'	18°51'	2° 3	T 3
F 4	17 25 26	21°47'34	3°8 49	2°59	8° 9	21°59'	13°43'	8°45	10°46'	26°53	5° 0	19° 1	18°47'	18°58'	2° 1	F 4
S 5	17 29 23	22°44'49	16°19	4°59	7°41	22°42'	13°49'	8°41	10°49'	26°53	4°58	19° 1	18°44'	19° 5	1°58	S 5
S 6	17 33 19	23°42'03	28°36	6°57	7°16	23°26'	13°55'	8°37	10°52'	26°52	4°57	19° 2	18°41'	19°11'	1°56	S 6
M 7	17 37 16	24°39'17	10°II 44	8°54	6°52	24°10'	14° 1	8°32	10°54'	26°52	4°56	19° 2	18°37'	19°18'	1°53	M 7
T 8	17 41 12	25°36'30	22°43	10°48	6°30	24°53'	14° 7	8°28	10°57'	26°51	4°54	19°R 2	18°34'	19°25'	1°51	T 8
W 9	17 45 9	26°33'44	4°537	12°40	6°11	25°36'	14°14'	8°24	11° 0	26°51	4°53	19° 2	18°31'	19°31'	1°48	W 9
T 10	17 49 5	27°30'57	16°26	14°30	5°54	26°20'	14°21'	8°20	11° 2	26°50	4°51	19° 1	18°28'	19°38'	1°46	T 10
F 11	17 53 2	28°28'10	28°15	16°18	5°39	27° 3	14°27'	8°15	11° 5	26°49	4°50	19° 0	18°25'	19°45'	1°43	F 11
S 12	17 56 59	29°25'22	10°Ω 4	18° 4	5°27	27°46'	14°34'	8°11	11° 8	26°49	4°48	18°58	18°21'	19°51'	1°40	S 12
S 13	18 0 55	0°22'34	21°57	19°47	5°17	28°29'	14°41'	8° 7	11°10	26°48	4°47	18°57	18°18'	19°58'	1°38	S 13
M14	18 4 52	1°19'46	3°II 58	21°28	5° 9	29°12'	14°49'	8° 2	11°13	26°47	4°45	18°55	18°15'	20° 5	1°35	M14
T 15	18 8 48	2°16'57	16°11	23° 7	5° 4	29°55'	14°56'	7°58	11°15	26°47	4°44	18°54	18°12'	20°11'	1°32	T 15
W16	18 12 45	3°14'08	28°38	24°44	5° 1	0°38	15° 3	7°53	11°17	26°46	4°42	18°D54	18° 9	20°18'	1°29	W16
T 17	18 16 41	4°11'18	11°A 24	26°19	5°D 1	1°21	15°11'	7°49	11°20	26°45	4°41	18°54	18° 6	20°25'	1°26	T 17
F 18	18 20 38	5° 8'28	24°33	27°51	5° 3	2° 4	15°18'	7°45	11°22	26°44	4°39	18°55	18° 2	20°31'	1°23	F 18
S 19	18 24 34	6° 5'39	8°II 7	29°21	5° 7	2°46	15°26'	7°40	11°25	26°43	4°38	18°56	17°59	20°38'	1°21	S 19
S 20	18 28 31	7° 2'48	22° 8	0°Ω49	5°13	3°29	15°34'	7°36	11°27	26°42	4°36	18°57	17°56	20°45'	1°18	S 20
M21	18 32 28	7°59'58	6°35	2°15	5°22	4°11	15°42'	7°31	11°29	26°41	4°35	18°58	17°53	20°51'	1°14	M21
T 22	18 36 24	8°57'08	21°24	3°38	5°32	4°54	15°50'	7°27	11°31	26°40	4°33	18°R58	17°50	20°58'	1°11	T 22
W23	18 40 21	9°54'18	6°329	4°59	5°45	5°36	15°59'	7°23	11°34	26°39	4°32	18°57	17°47	21° 5	1° 8	W23
T 24	18 44 17	10°51'28	21°42	6°17	5°59	6°18	16° 7	7°18	11°36	26°38	4°30	18°56	17°43	21°12'	1° 5	T 24
F 25	18 48 14	11°48'38	6°52	7°34	6°16	7° 0	16°15'	7°14	11°38	26°37	4°29	18°53	17°40	21°18'	1° 2	F 25
S 26	18 52 10	12°45'49	21°50	8°47	6°34	7°42	16°24'	7° 9	11°40	26°36	4°27	18°50	17°37	21°25'	0°59	S 26
S 27	18 56 7	13°43'00	6°329	9°58	6°55	8°24	16°33'	7° 5	11°42	26°35	4°26	18°47	17°34	21°32'	0°56	S 27
M28	19 0 4	14°40'12	20°43	11° 7	7°17	9° 6	16°42'	7° 1	11°44	26°34	4°24	18°45	17°31	21°38'	0°52	M28
T 29	19 4 0	15°37'24	4°Y31	12°12	7°40	9°48	16°50'	6°56	11°46	26°33	4°23	18°43	17°27	21°45'	0°49	T 29
W30	19 7 57	16°34'37	17°Y52	13°Ω15	8°II 6	10°329	17°II 0	6°352	11°348	26°32	4°21	18°D43	17°II 24	21°52	0°46	W30

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	
T 1	23n 2	6s56	5s16	25n 6	1n38	20n29	1s30	6n24	1s27	7n44	1n18	22s36	0n36	14n40	0s24	13s 8
W 2	23 7	1 24	5 0	25 13	1 43	20 11	1 43	6 41	1 27	7 42	1 18	22 36	0 36	14 41	0 35	20 29
T 3	23 11	4n 5	4 29	25 17	1 47	19 54	1 56	6 58	1 27	7 39	1 18	22 37	0 36	14 42	0 35	20 29
F 4	23 15	9 17	3 46	25 19	1 51	19 37	2 8	7 14	1 27	7 37	1 18	22 37	0 36	14 43	0 35	20 29
S 5	23 18	14 1	2 52	25 18	1 54	19 21	2 19	7 31	1 27	7 34	1 17	22 37	0 36	14 44	0 35	20 29
S 6	23 21	18 6	1 51	25 15	1 56	19 6	2 31	7 47	1 26	7 32	1 17	22 38	0 36	14 45	0 35	20 30
M 7	23 24	21 21	0 46	25 9	1 57	18 51	2 42	8 3	1 26	7 29	1 17	22 38	0 35	14 45	0 35	20 30
T 8	23 26	23 39	0n20	25 1	1 58	18 38	2 52	8 20	1 26	7 27	1 17	22 39	0 35	14 46	0 35	20 30
W 9	23 27	24 51	1 25	24 51	1 58	18 25	3 2	8 36	1 26	7 24	1 17	22 39	0 35	14 47	0 35	20 30
T 10	23 29	24 54	2 26	24 39	1 57	18 13	3 11	8 52	1 25	7 21	1 16	22 39	0 35	14 48	0 35	20 30
F 11	23 30	25 51	3 21	24 25	1 56	18 1	3 20	9 7	1 25	7 18	1 16	22 40	0 35	14 49	0 35	20 30
S 12	23 30	21 43	4 7	24 9	1 53	17 51	3 28	9 23	1 25	7 15	1 16	22 40	0 35	14 49	0 36	20 30
S 13	23 30	18 40	4 42	23 52	1 51	17 42	3 36	9 39	1 25	7 13	1 16	22 40	0 35	14 50	0 36	20 31
M14	23 30	14 49	5 6	23 33	1 47	17 33	3 44	9 54	1 24	7 10	1 16	22 41	0 35	14 51	0 36	20 31
T 15	23 29	10 19	5 16	23 13	1 43	17 25	3 50	10 10	1 24	7 7	1 15	22 41	0 35	14 52	0 36	20 31
W16	23 28	5 19	5 12	22 51	1 39	17 19	3 57	10 25	1 24	7 4	1 15	22 41	0 35	14 53	0 36	20 31
T 17	23 26	0s 2	4 52	22 29	1 34	17 13	4 3	10 40	1 23	7 0	1 15	22 42	0 35	14 53	0 36	20 31
F 18	23 24	5 33	4 17	22 5	1 28	17 8	4 8	10 55	1 23	6 57	1 15	22 42	0 35	14 54	0 36	20 31
S 19	23 22	10 59	3 27	21 40	1 22	17 4	4 13	11 10	1 23	6 54	1 15	22 42	0 35	14 55	0 36	20 31
S 20	23 19	16 3	2 23	21 15	1 15	17 0	4 17	11 25	1 22	6 51	1 15	22 43	0 34	14 55	0 36	20 32
M21	23 16	20 21	1 8	20 48	1 7	16 58	4 21	11 40	1 22	6 48	1 14	22 43	0 34	14 56	0 36	20 32
T 22	23 12	23 27	0s13	20 21	1 0	16 56	4 25	11 54	1 22	6 44	1 14	22 43	0 34	14 57	0 36	20 32
W23	23 8	24 56	1 35	19 54	0 51	16 55	4 28	12 9	1 21	6 41	1 14	22 44	0 34	14 57	0 36	20 32
T 24	23 3	24 33	2 51	19 26	0 43	16 55	4 31	12 23	1 21	6 38	1 14	22 44	0 34	14 58	0 36	20 32
F 25	22 59	22 23	3 54	18 58	0 33	16 55	4 34	12 37	1 20	6 34	1 14	22 44	0 34	14 59	0 36	20 32
S 26	22 53	18 41	4 40	18 30	0 24	16 56	4 36	12 51	1 20	6 31	1 14	22 45	0 34	14 59	0 36	20 33
S 27	22 48	13 54	5 7	18 1	0 14	16 57	4 38	13 5	1 19	6 27	1 13	22 45	0 34	15 0	0 36	20 33
M28	22 42	8 30	5 14	17 32	0 3	16 57	4 39	13 19	1 19	6 23	1 13	22 45	0 34	15 1	0 36	20 33
T 29	22 35	2 50	5 3	17 4	0s 8	17 2	4 40	13 33	1 18	6 20	1 13	22 46	0 34	15 1	0 36	20 33
W30	22n28	2n48	4s35	16n35	0s19	17n 5	4s41	13n46	1s18	6n16	1n13	22s46	0n34	15n 2	0s24	13s16

Julian Day Number = 2275658.5, Delta T = 250.75 sec

Ecliptic obliquity = 23°30'08", Nutation = - 0°00'17", out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°01'14", Lahiri = 17°08'15" Julian Calendar 1 June 1518 == Greg. Calendar 11 June 1518

ASTRODIENST EPHEMERIS for the year 1518

geocentric

JULY 1518 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
T 1	19 11 53	17°31'50	08°48	14°15	8°33	11°11	17°09	6°R48	11°50	26°R31	4°R20	18°43	17°21	21°58	0°R43	T 1
F 2	19 15 50	18°29'05	13°24	15°13	9° 2	11°52	17°18	6°343	11°51	26°30	4°18	18°45	17°18	22° 5	0°39	F 2
S 3	19 19 46	19°26'20	25°44	16° 7	9°32	12°34	17°27	6°39	11°53	26°28	4°17	18°46	17°15	22°12	0°36	S 3
S 4	19 23 43	20°23'35	7°150	16°57	10° 3	13°15	17°37	6°35	11°55	26°27	4°15	18°48	17°12	22°18	0°33	S 4
M 5	19 27 39	21°20'52	19°47	17°45	10°36	13°56	17°46	6°31	11°57	26°26	4°14	18°R48	17° 8	22°25	0°29	M 5
T 6	19 31 36	22°18'09	16°39	18°29	11°10	14°37	17°56	6°27	11°58	26°25	4°13	18°47	17° 5	22°32	0°26	T 6
W 7	19 35 33	23°15'27	13°28	19° 9	11°45	15°18	18° 5	6°22	12° 0	26°23	4°11	18°45	17° 2	22°38	0°23	W 7
T 8	19 39 29	24°12'46	25°16	19°45	12°22	15°59	18°15	6°18	12° 2	26°22	4°10	18°41	16°59	22°45	0°19	T 8
F 9	19 43 26	25°10'05	7°16	20°18	13° 0	16°40	18°25	6°14	12° 3	26°21	4° 8	18°35	16°56	22°52	0°16	F 9
S 10	19 47 22	26° 7'25	18°59	20°46	13°39	17°20	18°35	6°10	12° 5	26°19	4° 7	18°29	16°53	22°58	0°12	S 10
S 11	19 51 19	27° 4'46	0°58	21°10	14°19	18° 1	18°45	6° 6	12° 6	26°18	4° 6	18°22	16°49	23° 5	0° 9	S 11
M12	19 55 15	28° 2'07	13° 5	21°30	15° 0	18°41	18°55	6° 2	12° 7	26°17	4° 4	18°15	16°46	23°12	0° 5	M12
T 13	19 59 12	28°59'28	25°21	21°45	15°42	19°21	19° 6	5°58	12° 9	26°15	4° 3	18° 9	16°43	23°18	0° 2	T 13
W14	20 3 8	29°56'51	7°150	21°55	16°25	20° 1	19°16	5°55	12°10	26°14	4° 2	18° 5	16°40	23°25	29°59	W14
T 15	20 7 5	0°15'413	20°35	22° 0	17° 9	20°41	19°26	5°51	12°11	26°12	4° 0	18° 3	16°37	23°32	29°55	T 15
F 16	20 11 2	1°51'37	3°139	22°R 0	17°53	21°21	19°37	5°47	12°12	26°11	3°59	18°D 3	16°33	23°38	29°52	F 16
S 17	20 14 58	2°49'01	17° 5	21°55	18°39	22° 1	19°47	5°43	12°14	26° 9	3°58	18° 3	16°30	23°45	29°48	S 17
S 18	20 18 55	3°46'26	0°56	21°44	19°25	22°41	19°58	5°40	12°15	26° 8	3°56	18° 5	16°27	23°52	29°45	S 18
M19	20 22 51	4°43'51	15°12	21°29	20°13	23°20	20° 9	5°36	12°16	26° 6	3°55	18°R 5	16°24	23°58	29°42	M19
T 20	20 26 48	5°41'18	29°51	21° 8	21° 1	23°59	20°20	5°33	12°17	26° 5	3°54	18° 5	16°21	24° 5	29°38	T 20
W21	20 30 44	6°38'45	14°51	20°42	21°50	24°39	20°30	5°29	12°18	26° 3	3°53	18° 2	16°18	24°12	29°35	W21
T 22	20 34 41	7°36'13	0°2	20°11	22°39	25°18	20°41	5°26	12°19	26° 2	3°52	17°58	16°14	24°18	29°31	T 22
F 23	20 38 37	8°33'42	15°17	19°36	23°30	25°57	20°52	5°22	12°20	26° 0	3°50	17°52	16°11	24°25	29°28	F 23
S 24	20 42 34	9°31'12	0°23	18°57	24°20	26°36	21° 4	5°19	12°20	25°59	3°49	17°44	16° 8	24°32	29°25	S 24
S 25	20 46 31	10°28'44	15°12	18°14	25°12	27°14	21°15	5°16	12°21	25°57	3°48	17°36	16° 5	24°38	29°21	S 25
M26	20 50 27	11°26'16	29°36	17°28	26° 4	27°53	21°26	5°13	12°22	25°56	3°47	17°29	16° 2	24°45	29°18	M26
T 27	20 54 24	12°23'50	13°31	16°40	26°57	28°31	21°37	5°10	12°23	25°54	3°46	17°24	15°59	24°52	29°15	T 27
W28	20 58 20	13°21'26	26°57	15°51	27°51	29°10	21°49	5° 7	12°23	25°52	3°45	17°21	15°55	24°58	29°12	W28
T 29	21 2 17	14°19'03	9°55	15° 1	28°45	29°48	22° 0	5° 4	12°24	25°51	3°44	17°D19	15°52	25° 5	29° 8	T 29
F 30	21 6 13	15°16'42	22°30	14°12	29°39	0°26	22°11	5° 1	12°24	25°49	3°43	17°19	15°49	25°12	29° 5	F 30
S 31	21 10 10	16°14'22	4°46	13°24	0°34	1°11	22°23	4°58	12°25	25°48	3°42	17°20	15°46	25°18	29°2	S 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	lat
T 1	22n21	8n 8	3s54	16n 7	0s30	17n 9	4s42	14n 0	1s18	6n12	1n13	22s46	0n33	15n 2	0s24	13s17
F 2	22 13	13 1	3 2	15 39	0 42	17 13	4 42	14 13	1 17	6 9	1 13	22 47	0 33	15 3	0 24	13 17
S 3	22 5	17 15	2 3	15 11	0 54	17 17	4 42	14 26	1 16	6 5	1 12	22 47	0 33	15 3	0 24	13 17
S 4	21 57	20 41	1 0	14 44	1 6	17 22	4 42	14 39	1 16	6 1	1 12	22 47	0 33	15 4	0 24	13 18
M 5	21 48	23 12	0n 5	14 18	1 19	17 27	4 42	14 52	1 15	5 57	1 12	22 47	0 33	15 4	0 24	13 18
T 6	21 39	24 39	1 10	13 52	1 32	17 32	4 41	15 4	1 15	5 53	1 12	22 48	0 33	15 5	0 24	13 19
W 7	21 30	24 59	2 11	13 28	1 45	17 38	4 40	15 17	1 14	5 49	1 12	22 48	0 33	15 5	0 24	13 19
T 8	21 20	24 11	3 6	13 4	1 58	17 44	4 39	15 29	1 14	5 45	1 12	22 48	0 33	15 6	0 24	13 20
F 9	21 9	22 18	3 53	12 41	2 11	17 49	4 38	15 41	1 13	5 41	1 12	22 49	0 33	15 6	0 24	13 20
S 10	20 59	19 27	4 30	12 20	2 24	17 56	4 36	15 53	1 13	5 37	1 12	22 49	0 33	15 7	0 24	13 21
S 11	20 48	15 46	4 56	12 0	2 37	18 2	4 35	16 5	1 12	5 33	1 11	22 49	0 32	15 7	0 24	13 21
M12	20 37	11 24	5 8	11 41	2 51	18 8	4 33	16 17	1 11	5 29	1 11	22 50	0 32	15 8	0 24	13 22
T 13	20 25	6 33	5 7	11 24	3 4	18 15	4 31	16 29	1 11	5 25	1 11	22 50	0 32	15 8	0 24	13 22
W14	20 13	1 21	4 52	11 9	3 16	18 21	4 28	16 40	1 10	5 21	1 11	22 50	0 32	15 8	0 24	13 23
T 15	20 1	4s 1	4 21	10 55	3 29	18 28	4 26	16 51	1 10	5 17	1 11	22 50	0 32	15 9	0 24	13 23
F 16	19 48	9 22	3 37	10 44	3 41	18 34	4 24	17 2	1 9	5 12	1 11	22 51	0 32	15 9	0 24	13 24
S 17	19 35	14 26	2 40	10 35	3 52	18 41	4 21	17 13	1 8	5 8	1 11	22 51	0 32	15 9	0 24	13 24
S 18	19 22	18 54	1 31	10 28	4 3	18 47	4 18	17 24	1 8	5 4	1 11	22 51	0 32	15 10	0 24	13 25
M19	19 8	22 25	0 16	10 23	4 13	18 54	4 15	17 35	1 7	5 0	1 10	22 51	0 32	15 10	0 24	13 25
T 20	18 54	24 33	1s 3	10 21	4 22	19 0	4 12	17 45	1 6	4 55	1 10	22 52	0 31	15 10	0 24	13 26
W21	18 40	24 59	2 19	10 21	4 30	19 6	4 9	17 55	1 5	4 51	1 10	22 52	0 31	15 11	0 25	13 26
T 22	18 25	23 33	3 26	10 24	4 37	19 12	4 6	18 5	1 5	4 46	1 10	22 52	0 31	15 11	0 25	13 27
F 23	18 10	20 25	4 19	10 30	4 43	19 18	4 3	18 15	1 4	4 42	1 10	22 52	0 31	15 11	0 25	13 27
S 24	17 55	15 55	4 53	10 38	4 47	19 24	3 59	18 25	1 3	4 37	1 10	22 53	0 31	15 11	0 25	13 28
S 25	17 39	10 33	5 6	10 49	4 49	19 30	3 55	18 35	1 2	4 33	1 10	22 53	0 31	15 12	0 25	13 28
M26	17 24	4 45	5 0	11 2	4 50	19 35	3 52	18 44	1 2	4 28	1 10	22 53	0 31	15 12	0 25	13 29
T 27	17 8	1n 7	4 36	11 17	4 49	19 40	3 48	18 54	1 1	4 24	1 10	22 53	0 31	15 12	0 25	13 30
W28	16 51	6 44	3 57	11 35	4 46	19 45	3 44	19 3	1 0	4 19	1 9	22 54	0 31	15 12	0 25	13 30
T 29	16 35	11 52	3 7	11 54	4 41	19 50	3 40	19 12	0 59	4 15	1 9	22 54	0 30	15 12	0 25	13 31
F 30	16 18	16 22	2 9	12 14	4 34	19 54	3 36	19 20	0 59	4 10	1 9	22 54	0 30	15 13	0 25	13 31
S 31	16n 1	20n 3	1s 7	12n36	4s26	19n58	3s32	19n29	0s58	4n 5	1n 9	22s54	0n30	15n13	0s25	13s32

Julian Day Number = 2275688.5, Delta T = 250.56 sec

Ecliptic obliquity = 23°30'08, Nutation = - 0°00'16, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°01'19, Lahiri = 17°08'19 Julian Calendar 1 July 1518 == Greg. Calendar 11 July 1518

ASTRODIENST EPHEMERIS for the year 1518
geocentric

AUGUST 1518 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
S 1	21 14 6	17°12'04	16°11'48	12°R38	1°53'30	1°11'41	22°17'35	4°R56	12°25'25	25°R46	3°R41	17°R21	15°11'43	25°25'25	28°R59	S 1
M 2	21 18 3	18° 9'47	28°41	11°18'56	2°26	2°19	22°46	4°35'53	12°26	25°44	3°34	17°11'20	15°39	25°32	28°35'56	M 2
T 3	21 22 0	19° 7'33	10°29	11°18	3°23	2°56	22°58	4°50	12°26	25°43	3°39	17°17	15°36	25°38	28°52	T 3
W 4	21 25 56	20° 5'19	22°17	10°45	4°20	3°34	23°10	4°48	12°26	25°41	3°38	17°12	15°33	25°45	28°49	W 4
T 5	21 29 53	21° 3'07	4°17	10°18	5°18	4°11	23°22	4°46	12°26	25°40	3°37	17° 4	15°30	25°52	28°46	T 5
F 6	21 33 49	22° 0'57	16° 1	9°57	6°15	4°48	23°33	4°43	12°26	25°38	3°36	16°54	15°27	25°58	28°43	F 6
S 7	21 37 46	22°58'48	28° 2	9°43	7°14	5°25	23°45	4°41	12°27	25°36	3°35	16°43	15°24	26° 5	28°40	S 7
S 8	21 41 42	23°56'41	10°11	9°D37	8°13	6° 1	23°57	4°39	12°27	25°35	3°34	16°30	15°20	26°12	28°37	S 8
M 9	21 45 39	24°54'35	22°28	9°39	9°12	6°38	24° 9	4°37	12°R27	25°33	3°34	16°18	15°17	26°19	28°34	M 9
T 10	21 49 35	25°52'30	4°55	9°48	10°12	7°14	24°21	4°35	12°27	25°31	3°33	16° 8	15°14	26°25	28°31	T 10
W 11	21 53 32	26°50'27	17°33	10° 6	11°12	7°50	24°34	4°33	12°27	25°30	3°32	16° 0	15°11	26°32	28°29	W 11
T 12	21 57 29	27°48'25	0°12'24	10°31	12°12	8°26	24°46	4°31	12°26	25°28	3°31	15°54	15° 8	26°39	28°26	T 12
F 13	22 1 25	28°46'25	13°29	11° 5	13°13	9° 1	24°58	4°30	12°26	25°26	3°31	15°52	15° 4	26°45	28°23	F 13
S 14	22 5 22	29°44'26	26°52	11°46	14°14	9°37	25°10	4°28	12°26	25°25	3°30	15°D51	15° 1	26°52	28°20	S 14
S 15	22 9 18	0°12'28	10°13'34	12°35	15°15	10°12	25°23	4°26	12°26	25°23	3°29	15°R51	14°58	26°59	28°18	S 15
M 16	22 13 15	1°40'32	24°37	13°32	16°17	10°47	25°35	4°25	12°25	25°21	3°29	15°51	14°55	27° 5	28°15	M 16
T 17	22 17 11	2°38'37	9°31	14°35	17°19	11°22	25°47	4°24	12°25	25°20	3°28	15°49	14°52	27°12	28°12	T 17
W 18	22 21 8	3°36'44	23°44	15°45	18°21	11°57	26° 0	4°23	12°25	25°18	3°27	15°45	14°49	27°19	28°10	W 18
T 19	22 25 4	4°34'52	8°44	17° 2	19°24	12°32	26°12	4°21	12°24	25°17	3°27	15°38	14°45	27°25	28° 7	T 19
F 20	22 29 1	5°33'01	23°43	18°24	20°27	13° 6	26°25	4°20	12°24	25°15	3°26	15°29	14°42	27°32	28° 5	F 20
S 21	22 32 58	6°31'13	8°41	19°51	21°30	13°40	26°37	4°19	12°23	25°13	3°26	15°19	14°39	27°39	28° 3	S 21
S 22	22 36 54	7°29'26	23°27	21°23	22°33	14°14	26°50	4°19	12°22	25°12	3°25	15° 7	14°36	27°45	28° 0	S 22
M 23	22 40 51	8°27'41	7°15	22°59	23°37	14°48	27° 2	4°18	12°22	25°10	3°25	14°57	14°33	27°52	27°58	M 23
T 24	22 44 47	9°25'57	21°49	24°39	24°41	15°21	27°15	4°17	12°21	25° 9	3°25	14°49	14°30	27°59	27°56	T 24
W 25	22 48 44	10°24'16	5°19	26°22	25°46	15°54	27°28	4°17	12°20	25° 7	3°24	14°43	14°26	28° 5	27°54	W 25
T 26	22 52 40	11°22'37	18°21	28° 8	26°50	16°28	27°40	4°16	12°19	25° 5	3°24	14°39	14°23	28°12	27°51	T 26
F 27	22 56 37	12°21'01	0°11'58	29°56	27°55	17° 0	27°53	4°16	12°19	25° 4	3°24	14°38	14°20	28°19	27°49	F 27
S 28	23 0 33	13°19'26	13°15	1°14'45	29° 0	17°33	28° 6	4°15	12°18	25° 2	3°23	14°37	14°17	28°25	27°47	S 28
S 29	23 4 30	14°17'54	25°17	3°36	0°16	18° 5	28°18	4°15	12°17	25° 1	3°23	14°37	14°14	28°32	27°45	S 29
M 30	23 8 27	15°16'23	7°10	5°27	1°11	18°37	28°31	4°D15	12°16	24°59	3°23	14°36	14°10	28°39	27°44	M 30
T 31	23 12 23	16°14'55	18°59	7°10	2°17	19°11	28°44	4°315	12°15	24°58	3°23	14°11'33	14°11	28°46	27°42	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	15n43	22n48	0s 3	12n58	4s15	20n 2	3s28	19n38	0s57	4n 1	1n 9	22s55	0n30	15n13	0s25	13s32	0s37	20s39	2n48	22n54	22n44	24n21	13s 7	7n27					
M 2	15 26	24 30	1n 0	13 21	4 4	20 5	3 24	19 46	0 56	3 56	1 9	22 55	0 30	15 13	0 25	13 33	0 37	20 39	2 48	22 54	22 44	24 20	13 8	7 27					
T 3	15 8	25 5	2 0	13 45	3 50	20 8	3 20	19 54	0 55	3 51	1 9	22 55	0 30	15 13	0 25	13 33	0 37	20 39	2 48	22 54	22 43	24 20	13 9	7 26					
W 4	14 49	24 32	2 55	14 7	3 36	20 11	3 15	20 2	0 54	3 46	1 9	22 55	0 30	15 13	0 25	13 34	0 37	20 40	2 48	22 53	22 43	24 19	13 10	7 26					
T 5	14 31	22 53	3 42	14 30	3 20	20 13	3 11	20 10	0 53	3 42	1 9	22 55	0 30	15 13	0 25	13 35	0 37	20 40	2 47	22 52	22 43	24 18	13 11	7 26					
F 6	14 12	20 12	4 20	14 51	3 3	20 15	3 6	20 17	0 52	3 37	1 9	22 56	0 29	15 13	0 25	13 35	0 37	20 40	2 47	22 51	22 42	24 18	13 12	7 26					
S 7	13 54	16 40	4 46	15 11	2 46	20 17	3 2	20 25	0 52	3 32	1 9	22 56	0 29	15 13	0 25	13 36	0 37	20 40	2 47	22 50	22 42	24 17	13 12	7 26					
S 8	13 34	12 24	5 0	15 30	2 29	20 18	2 57	20 32	0 51	3 27	1 9	22 56	0 29	15 13	0 25	13 36	0 37	20 40	2 47	22 49	22 42	24 17	13 13	7 25					
M 9	13 15	7 35	5 0	15 47	2 10	20 18	2 53	20 39	0 50	3 22	1 8	22 56	0 29	15 13	0 25	13 37	0 37	20 41	2 47	22 48	22 41	24 16	13 14	7 25					
T 10	12 56	2 25	4 46	16 2	1 52	20 19	2 48	20 46	0 49	3 18	1 8	22 56	0 29	15 13	0 25	13 37	0 37	20 41	2 47	22 47	22 41	24 15	13 15	7 25					
W 11	12 36	2s56	4 18	16 15	1 34	20 19	2 44	20 53	0 48	3 13	1 8	22 57	0 29	15 13	0 25	13 38	0 37	20 41	2 46	22 46	22 41	24 15	13 16	7 24					
T 12	12 16	8 16	3 36	16 25	1 16	20 18	2 39	21 0	0 47	3 8	1 8	22 57	0 29	15 13	0 25	13 39	0 37	20 41	2 46	22 45	22 40	24 14	13 17	7 24					
F 13	11 56	13 21	2 43	16 33	0 59	20 17	2 34	21 6	0 46	3 3	1 8	22 57	0 29	15 13	0 25	13 39	0 37	20 41	2 46	22 45	22 40	24 13	13 17	7 24					
S 14	11 36	17 54	1 39	16 38	0 42	20 16	2 30	21 13	0 45	2 58	1 8	22 57	0 28	15 13	0 25	13 40	0 37	20 42	2 46	22 45	22 40	24 13	13 18	7 24					
S 15	11 15	21 38	0 28	16 40	0 26	20 14	2 25	21 19	0 44	2 53	1 8	22 57	0 28	15 13	0 25	13 40	0 37	20 42	2 46	22 45	22 39	24 12	13 19	7 23					
M 16	10 54	24 10	0s46	16 39	0 10	20 11	2 20	21 25	0 43	2 48	1 8	22 57	0 28	15 13	0 25	13 41	0 37	20 42	2 45	22 45	22 39	24 11	13 20	7 23					
T 17	10 34	25 11	1 59	16 35	0n 5	20 8	2 15	21 31	0 42	2 43	1 8	22 58	0 28	15 13	0 25	13 41	0 37	20 42	2 45	22 45	22 38	24 11	13 21	7 23					
W 18	10 13	24 28	3 6	16 27	0 19	20 5	2 11	21 37	0 41	2 38	1 8	22 58	0 28	15 12	0 25	13 42	0 37	20 42	2 45	22 44	22 38	24 10	13 21	7 22					
T 19	9 51	22 1	4 1	16 17	0 32	20 1	2 6	21 42	0 40	2 33	1 8	22 58	0 28	15 12	0 25	13 42	0 37	20 43	2 45	22 44	22 38	24 9	13 22	7 22					
F 20	9 30	18 3	4 40	16 3	0 44	19 57	2 1	21 48	0 39	2 28	1 8	22 58	0 28	15 12	0 25	13 43	0 37	20 43	2 45	22 43	22 37	24 9	13 23	7 21					
S 21	9 9	12 57	4 59	15 46	0 55	19 52	1 56	21 53	0 37	2 23	1 8	22 58	0 28	15 12	0 25	13 44	0 37	20 43	2 45	22 41	22 37	24 8	13 24	7 21					
S 22	8 47	7 10	4 58	15 26	1 5	19 47	1 52	21 58	0 36	2 18	1 8	22 58	0 28	15 12	0 25	13 44	0 37	20 43	2 44	22 40	22 37	24 7	13 25	7 21					
M 23	8 25	1 7	4 37	15 3	1 14	19 41	1 47	22 3	0 35	2 13	1 8	22 59	0 27	15 12	0 25	13 45	0 37	20 43	2 44	22 39	22 36	24 6	13 26	7 20					
T 24	8 3	4n48	4 1	14 37	1 22	19 34	1 42	22 8	0 34	2 8	1 8	22 59	0 27	15 11	0 25	13 45	0 37	20 43	2 44	22 38	22 36	24 6	13 26	7 20					
W 25	7 41	10 19	3 12	14 9	1 28	19 27	1 37	22 13	0 33	2 3	1 8	22 59	0 27	15 11	0 25	13 46	0 37	20 44	2 44	22 37	22 36	24 5	13 27	7 20					
T 26	7 19	15 11	2 14	13 38	1 34	19 20	1 32	22 17	0 32	1 58	1 8	22 59	0 27	15 11	0 25	13 46	0 37	20 44	2 44	22 37	22 35	24 4	13 28	7 19					
F 27	6 57	19 14	1 12	13 4	1 39	19 12	1 28	22 22	0 30	1 53	1 8	22 59	0 27	15 11	0 25	13 47	0 37	20 44	2 44	22 37	22 35	24 3	13 29	7 19					
S 28	6 34	22 20	0 7	12 29	1 43	19 4	1 23	22 26	0 29	1 47	1 7	22 59	0 27	15 10	0 25	13 47	0 37	20 44	2 43	22 37	22 34	24 3	13 30	7 18					
S 29	6 12	24 21	0n56	11 51	1 46	18 55	1 18	22 30	0 28	1 42	1 7	22 59	0 27	15 10	0 25	13 48	0 37	20 44	2 43	22 37	22 34	24 2	13 30	7 18					
M 30	5 49	25 15	1 56	11 12	1 48	18 45	1 13	22 34	0 27	1 37	1 7	23 0	0 27	15 10	0 25	13 48	0 37	20 45	2 43	22 37	22 34	24 1	13 31	7 18					
T 31	5n26	24n59	2n51	10n32	1n49	18n35	1s 9	22n38	0s26	1n32	1n 7	23s 0	0n26	15n 9	0s25	13s49	0s37	20s45	2n43	22n36	22n33	24n 0	13s32	7n17					

Julian Day Number = 2275719.5, Delta T = 250.37 sec

Ecliptic obliquity = 23°30'09, Nutation = - 0°00'15, out-of-bounds declination in red

Ayanamsha: Fagan/Bradley = 18°01'23, Lahiri = 17°08'23 Julian Calendar 1 Aug. 1518 == Greg. Calendar 11 Aug. 1518

ASTRODIENST EPHEMERIS for the year 1518
geocentric

SEPTEMBER 1518 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	23 16 20	17 ^h 13'29"	0 ^h 48'	9 ^h 12'	3 ^h 23'	19 ^h 41'	28 ^h 57'	4 ^h 15'	12 ^h R14	24 ^h R56	3 ^h R22	14 ^h R27	14 ^h II 4	28 ^h 52'	27 ^h R40	W 1
T 2	23 20 16	18 ^h 12'06"	12 ^h 41'	11 ^h 5'	4 ^h 29'	20 ^h 12'	29 ^h 10'	4 ^h 16'	12 ^h 8'12	24 ^h ≈55	3 ^h ≈22	14 ^h II 18	14 ^h 1	28 ^h 59'	27 ^h ≈38	T 2
F 3	23 24 13	19 ^h 10'44"	24 ^h 42'	12 ^h 58'	5 ^h 36'	20 ^h 43'	29 ^h 23'	4 ^h 16'	12 ^h 11'	24 ^h 53'	3 ^h 22'	14 ^h 7	13 ^h 58'	29 ^h 6	27 ^h 37'	F 3
S 4	23 28 9	20 ^h 9'24"	6 ^h 53'	14 ^h 50'	6 ^h 43'	21 ^h 14'	29 ^h 35'	4 ^h 16'	12 ^h 10'	24 ^h 52'	3 ^h 22'	13 ^h 54'	13 ^h 55'	29 ^h 12'	27 ^h 35'	S 4
S 5	23 32 6	21 ^h 8'06"	19 ^h 14'	16 ^h 42'	7 ^h 50'	21 ^h 45'	29 ^h 48'	4 ^h 17'	12 ^h 9'	24 ^h 50'	3 ^h 22'	13 ^h 40'	13 ^h 51'	29 ^h 19'	27 ^h 34'	S 5
M 6	23 36 2	22 ^h 6'51"	1 ^h 47'	18 ^h 33'	8 ^h 57'	22 ^h 15'	0 ^h 1'	4 ^h 17'	12 ^h 7'	24 ^h 49'	3 ^h D22	13 ^h 27'	13 ^h 48'	29 ^h 26'	27 ^h 32'	M 6
T 7	23 39 59	23 ^h 5'37"	14 ^h 31'	20 ^h 24'	10 ^h 4'	22 ^h 45'	0 ^h 14'	4 ^h 18'	12 ^h 6'	24 ^h 48'	3 ^h 22'	13 ^h 15'	13 ^h 45'	29 ^h 32'	27 ^h 31'	T 7
W 8	23 43 55	24 ^h 4'25"	27 ^h 25'	22 ^h 14'	11 ^h 11'	23 ^h 15'	0 ^h 27'	4 ^h 19'	12 ^h 5'	24 ^h 46'	3 ^h 22'	13 ^h 0'	13 ^h 42'	29 ^h 39'	27 ^h 29'	W 8
T 9	23 47 52	25 ^h 3'15"	10 ^h 31'	24 ^h 3'	12 ^h 19'	23 ^h 44'	0 ^h 40'	4 ^h 20'	12 ^h 3'	24 ^h 45'	3 ^h 22'	13 ^h 0'	13 ^h 39'	29 ^h 46'	27 ^h 28'	T 9
F 10	23 51 49	26 ^h 2'07"	23 ^h 49'	25 ^h 52'	13 ^h 27'	24 ^h 13'	0 ^h 53'	4 ^h 21'	12 ^h 2'	24 ^h 44'	3 ^h 22'	12 ^h 56'	13 ^h 36'	29 ^h 52'	27 ^h 27'	F 10
S 11	23 55 45	27 ^h 1'00"	7 ^h 18'	27 ^h 39'	14 ^h 35'	24 ^h 42'	1 ^h 6'	4 ^h 22'	12 ^h 0'	24 ^h 42'	3 ^h 22'	12 ^h D55	13 ^h 32'	29 ^h 59'	27 ^h 26'	S 11
S 12	23 59 42	27 ^h 59'56"	21 ^h 1'	29 ^h 26'	15 ^h 43'	25 ^h 11'	1 ^h 19'	4 ^h 23'	11 ^h 59'	24 ^h 41'	3 ^h 23'	12 ^h R55	13 ^h 29'	0 ^h 12'	27 ^h 25'	S 12
M13	0 3 38	28 ^h 58'53"	4 ^h ≈57	1 ^h 12'	16 ^h 52'	25 ^h 39'	1 ^h 32'	4 ^h 24'	11 ^h 57'	24 ^h 40'	3 ^h 23'	12 ^h 55'	13 ^h 26'	0 ^h 12'	27 ^h 24'	M13
T 14	0 7 35	29 ^h 57'52"	19 ^h 8'	2 ^h 57'	18 ^h 0'	26 ^h 7'	1 ^h 45'	4 ^h 26'	11 ^h 55'	24 ^h 38'	3 ^h 23'	12 ^h 54'	13 ^h 23'	0 ^h 19'	27 ^h 23'	T 14
W15	0 11 31	0 ^h 56'53"	3 ^h ≈31	4 ^h 41'	19 ^h 9'	26 ^h 34'	1 ^h 58'	4 ^h 27'	11 ^h 54'	24 ^h 37'	3 ^h 23'	12 ^h 50'	13 ^h 20'	0 ^h 26'	27 ^h 22'	W15
T 16	0 15 28	1 ^h 55'55"	18 ^h 5'	6 ^h 24'	20 ^h 18'	27 ^h 1'	2 ^h 11'	4 ^h 29'	11 ^h 52'	24 ^h 36'	3 ^h 24'	12 ^h 44'	13 ^h 16'	0 ^h 32'	27 ^h 21'	T 16
F 17	0 19 24	2 ^h 55'00"	2 ^h 43'	8 ^h 6'	21 ^h 27'	27 ^h 28'	2 ^h 24'	4 ^h 31'	11 ^h 50'	24 ^h 35'	3 ^h 24'	12 ^h 36'	13 ^h 13'	0 ^h 39'	27 ^h 21'	F 17
S 18	0 23 21	3 ^h 54'06"	17 ^h 20'	9 ^h 48'	22 ^h 36'	27 ^h 55'	2 ^h 37'	4 ^h 32'	11 ^h 49'	24 ^h 33'	3 ^h 24'	12 ^h 25'	13 ^h 10'	0 ^h 46'	27 ^h 20'	S 18
S 19	0 27 18	4 ^h 53'14"	1 ^h 48'	11 ^h 29'	23 ^h 45'	28 ^h 21'	2 ^h 50'	4 ^h 34'	11 ^h 47'	24 ^h 32'	3 ^h 25'	12 ^h 15'	13 ^h 7'	0 ^h 53'	27 ^h 19'	S 19
M20	0 31 14	5 ^h 52'24"	15 ^h 59'	13 ^h 8'	24 ^h 55'	28 ^h 47'	3 ^h 3'	4 ^h 36'	11 ^h 45'	24 ^h 31'	3 ^h 25'	12 ^h 5'	13 ^h 4'	0 ^h 59'	27 ^h 19'	M20
T 21	0 35 11	6 ^h 51'36"	29 ^h 50'	14 ^h 47'	26 ^h 4'	29 ^h 12'	3 ^h 16'	4 ^h 38'	11 ^h 43'	24 ^h 30'	3 ^h 26'	11 ^h 56'	13 ^h 1'	1 ^h 6'	27 ^h 19'	T 21
W22	0 39 7	7 ^h 50'50"	13 ^h 8'16	16 ^h 26'	27 ^h 14'	29 ^h 37'	3 ^h 29'	4 ^h 40'	11 ^h 41'	24 ^h 29'	3 ^h 26'	11 ^h 50'	12 ^h 57'	1 ^h 13'	27 ^h 18'	W22
T 23	0 43 4	8 ^h 50'07"	26 ^h 17'	18 ^h 3'	28 ^h 24'	0 ^h ≈2	3 ^h 42'	4 ^h 43'	11 ^h 39'	24 ^h 28'	3 ^h 27'	11 ^h 47'	12 ^h 54'	1 ^h 19'	27 ^h 18'	T 23
F 24	0 47 0	9 ^h 49'26"	8 ^h II 56	19 ^h 40'	29 ^h 34'	0 ^h 26'	3 ^h 55'	4 ^h 45'	11 ^h 37'	24 ^h 27'	3 ^h 27'	11 ^h D46	12 ^h 51'	1 ^h 26'	27 ^h 18'	F 24
S 25	0 50 57	10 ^h 48'48"	21 ^h 15'	21 ^h 16'	0 ^h 44'	0 ^h 50'	4 ^h 8'	4 ^h 47'	11 ^h 35'	24 ^h 26'	3 ^h 28'	11 ^h 46'	12 ^h 48'	1 ^h 33'	27 ^h 18'	S 25
S 26	0 54 53	11 ^h 48'11"	3 ^h ≈19	22 ^h 51'	1 ^h 55'	1 ^h 14'	4 ^h 21'	4 ^h 50'	11 ^h 33'	24 ^h 25'	3 ^h 28'	11 ^h 47'	12 ^h 45'	1 ^h 39'	27 ^h D18	S 26
M27	0 58 50	12 ^h 47'37"	15 ^h 13'	24 ^h 26'	3 ^h 5'	1 ^h 37'	4 ^h 34'	4 ^h 53'	11 ^h 31'	24 ^h 24'	3 ^h 29'	11 ^h R47	12 ^h 41'	1 ^h 46'	27 ^h 18'	M27
T 28	1 2 47	13 ^h 47'06"	27 ^h 4'	26 ^h 0'	4 ^h 16'	1 ^h 59'	4 ^h 46'	4 ^h 55'	11 ^h 29'	24 ^h 23'	3 ^h 29'	11 ^h 46'	12 ^h 38'	1 ^h 53'	27 ^h 18'	T 28
W29	1 6 43	14 ^h 46'36"	8 ^h II 55	27 ^h 33'	5 ^h 27'	2 ^h 21'	4 ^h 59'	4 ^h 58'	11 ^h 27'	24 ^h 22'	3 ^h 30'	11 ^h 43'	12 ^h 35'	1 ^h 59'	27 ^h 18'	W29
T 30	1 10 40	15 ^h 46'09"	20 ^h II 51	29 ^h ≈6	6 ^h 38'	2 ^h ≈43	5 ^h ≈12	5 ^h ≈1	11 ^h ≈25	24 ^h ≈21	3 ^h ≈31	11 ^h II 38	12 ^h II 32	2 ^h ≈6	27 ^h ≈18	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	decl	lat
W 1	5n 4	23n35	3n38	9n50	1n49	18n25	1 s 4	22n42	0s24	1n27	1n 7	23s 0	0n26	15n 9	0s25	13s49	0s37	20s45	2n43	22n36	22n33	23n59	13s33	7n17					
T 2	4 41	21 8	4 16	9 7	1 49	18 14	0 59	22 45	0 23	1 22	1 7	23 0	0 26	15 9	0 25	13 50	0 37	20 45	2 42	22 35	22 33	23 59	13 33	7 16					
F 3	4 18	17 46	4 43	8 23	1 48	18 2	0 55	22 49	0 22	1 17	1 7	23 0	0 26	15 8	0 25	13 50	0 37	20 45	2 42	22 33	22 32	23 58	13 34	7 16					
S 4	3 55	13 37	4 58	7 38	1 47	17 50	0 50	22 52	0 20	1 12	1 7	23 0	0 26	15 8	0 25	13 51	0 37	20 46	2 42	22 32	22 32	23 57	13 35	7 15					
S 5	3 31	8 51	4 58	6 52	1 45	17 37	0 46	22 56	0 19	1 6	1 7	23 0	0 26	15 7	0 25	13 51	0 37	20 46	2 42	22 30	22 31	23 56	13 36	7 15					
M 6	3 8	3 39	4 45	6 6	1 42	17 24	0 41	22 59	0 18	1 1	1 7	23 0	0 26	15 7	0 25	13 52	0 37	20 46	2 42	22 28	22 31	23 55	13 36	7 14					
T 7	2 45	1s47	4 17	5 20	1 39	17 11	0 37	23 2	0 16	0 56	1 7	23 0	0 26	15 7	0 25	13 52	0 37	20 46	2 42	22 27	22 31	23 55	13 37	7 14					
W 8	2 22	7 14	3 36	4 33	1 35	16 57	0 32	23 5	0 15	0 51	1 7	23 1	0 25	15 6	0 25	13 53	0 37	20 46	2 41	22 26	22 30	23 54	13 38	7 13					
T 9	1 58	12 27	2 42	3 46	1 31	16 42	0 28	23 8	0 14	0 46	1 7	23 1	0 25	15 6	0 25	13 53	0 37	20 46	2 41	22 25	22 30	23 53	13 38	7 13					
F 10	1 35	17 10	1 39	2 59	1 27	16 27	0 24	23 10	0 12	0 41	1 7	23 1	0 25	15 5	0 25	13 54	0 37	20 47	2 41	22 25	22 30	23 52	13 39	7 13					
S 11	1 11	21 6	0 30	2 11	1 22	16 12	0 19	23 13	0 11	0 35	1 7	23 1	0 25	15 5	0 25	13 54	0 37	20 47	2 41	22 24	22 29	23 51	13 40	7 12					
S 12	0 48	23 55	0s43	1 24	1 17	15 56	0 15	23 16	0 9	0 30	1 7	23 1	0 25	15 4	0 25	13 55	0 37	20 47	2 41	22 24	22 29	23 50	13 40	7 12					
M13	0 24	25 19	1 54	0 37	1 12	15 39	0 11	23 18	0 8	0 25	1 7	23 1	0 25	15 4	0 25	13 55	0 37	20 47	2 40	22 24	22 28	23 49	13 41	7 11					
T 14	0 1	25 6	2 59	0s10	1 6	15 22	0 7	23 20	0 6	0 20	1 7	23 1	0 25	15 3	0 25	13 55	0 37	20 47	2 40	22 24	22 28	23 49	13 42	7 11					
W15	0s23	23 13	3 54	0 56	1 0	15 5	0 3	23 23	0 5	0 15	1 7	23 1	0 25	15 3	0 25	13 56	0 37	20 48	2 40	22 24	22 28	23 48	13 42	7 10					
T 16	0 46	19 48	4 35	1 43	0 54	14 47	0n 1	23 25	0 3	0 10	1 7	23 1	0 24	15 2	0 25	13 56	0 37	20 48	2 40	22 23	22 27	23 47	13 43	7 10					
F 17	1 10	15 9	4 58	2 29	0 48	14 29	0 5	23 27	0 2	0 4	1 7	23 1	0 24	15 2	0 25	13 57	0 37	20 48	2 40	22 22	22 27	23 46	13 44	7 9					
S 18	1 33	9 38	5 1	3 15	0 42	14 10	0 9	23 29	0 0	0s 1	1 7	23 1	0 24	15 1	0 25	13 57	0 37	20 48	2 40	22 21	22 26	23 45	13 44	7 9					
S 19	1 57	3 38	4 45	4 0	0 36	13 51	0 13	23 31	0n 2	0 6	1 7	23 1	0 24	15 1	0 25	13 57	0 37	20 48	2 39	22 19	22 26	23 44	13 45	7 8					
M20	2 20	2n26	4 11	4 45	0 29	13 31	0 17	23 33	0 3	0 11	1 7	23 1	0 24	15 0	0 25	13 58	0 37	20 48	2 39	22 18	22 26	23 43	13 46	7 8					
T 21	2 44	8 16	3 24	5 30	0 22	13 11	0 21	23 35	0 5	0 16	1 7	23 1	0 24	14 59	0 25	13 58	0 37	20 49	2 39	22 17	22 25	23 42	13 46	7 7					
W22	3 7	13 33	2 26	6 14	0 16	12 51	0 24	23 37	0 6	0 21	1 7	23 1	0 24	14 59	0 25	13 59	0 37	20 49	2 39	22 16	22 25	23 41	13 47	7 7					
T 23	3 31	18 3	1 22	6 58	0 9	12 30	0 28	23 38	0 8	0 27	1 7	23 2	0 24	14 58	0 25	13 59	0 37	20 49	2 39	22 16	22 24	23 40	13 47	7 6					
F 24	3 54	21 36	0 15	7 41	0 2	12 9	0 32	23 40	0 10	0 32	1 7	23 2	0 24	14 58	0 25	13 59	0 37	20 49	2 38	22 15	22 24	23 40	13 48	7 5					
S 25	4 17	24 3	0n51	8 24	0s 5	11 47	0 35	23 42	0 12	0 37	1 7	23 2	0 23	14 57	0 25	14 0	0 37	20 49	2 38	22 15	22 24	23 39	13 48	7 5					
S 26	4 41	25 20	1 53	9 6	0 12	11 25	0 39	23 43	0 13	0 42	1 7	23 2	0 23	14 56	0 25	14 0	0 37	20 49	2 38	22 16	22 23	23 38	13 49	7 4					
M27	5 4	25 26	2 49	9 47	0 19	11 3	0 42	23 45	0 15	0 47	1 7	23 2	0 23	14 56	0 25	14 0	0 37	20 50	2 38	22 16	22 23	23 37	13 49	7 4					
T 28	5 27	24 22	3 38	10 28	0 26	10 40	0 45	23 46	0 17	0 52	1 7	23 2	0 23	14 55	0 25	14 1	0 37	20 50	2 38	22 15	22 22	23 36	13 50	7 3					
W29	5 50	22 13	4 17	11 8	0 33	10 17	0 48	23 48	0 19	0 57	1 8	23 2	0 23	14 54	0 25	14 1	0 37	20 50	2 38	22 15	22 22	23 35	13 50	7 3					
T 30	6s13	19n 6	4n46	11s48	0s40	9n54	0n51	23n49	0n21	1s 2	1n 8	23s 2	0n23	14n54	0s25	14s 1	0s37	20s50	2n37	22n14	22n22	23n34	13s51	7n 2					

ASTRODIENST EPHEMERIS for the year 1518

geocentric

OCTOBER 1518 JC

00:00 UT

Day	Sid.t	☉	☽	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
F 1	1 14 36	16 ⁴⁵ 44	2 ¹⁷ 57	0 ¹¹ 37	7 ¹⁷ 49	3 ²⁵ 4	5 ²⁵ 25	5 ³⁸ 4	11 ¹⁸ 22	24 ¹⁹ 20	3 ³² 32	11 ¹⁸ 30	12 ¹¹ 29	2 ¹¹ 13	27 ¹⁸ 18	F 1
S 2	1 18 33	17 ⁴⁵ 21	15 ¹⁵	2° 9	9° 0	3°25	5°38	5° 7	11 ¹⁸ 20	24 ¹⁹ 19	3°32	11 ¹⁸ 21	12°26	2°19	27°19	S 2
S 3	1 22 29	18°45'01	27°48	3°39	10°11	3°45	5°51	5°10	11°18	24°19	3°33	11°11	12°22	2°26	27°19	S 3
M 4	1 26 26	19°44'42	10 ⁴⁵ 37	5° 9	11°22	4° 5	6° 4	5°13	11°16	24°18	3°34	11° 1	12°19	2°33	27°20	M 4
T 5	1 30 22	20°44'26	23°40	6°39	12°34	4°25	6°17	5°17	11°13	24°17	3°35	10°53	12°16	2°40	27°20	T 5
W 6	1 34 19	21°44'12	6 ¹¹ 57	8° 7	13°45	4°43	6°29	5°20	11°11	24°16	3°36	10°46	12°13	2°46	27°21	W 6
T 7	1 38 15	22°43'59	20°26	9°35	14°57	5° 2	6°42	5°24	11° 9	24°16	3°37	10°42	12°10	2°53	27°22	T 7
F 8	1 42 12	23°43'49	4 ¹⁷ 6	11° 3	16° 9	5°19	6°55	5°27	11° 6	24°15	3°38	10°D40	12° 7	3° 0	27°22	F 8
S 9	1 46 9	24°43'40	17°54	12°30	17°21	5°37	7° 8	5°31	11° 4	24°14	3°39	10°40	12° 3	3° 6	27°23	S 9
S 10	1 50 5	25°43'34	1 ³⁵ 50	13°56	18°33	5°53	7°20	5°35	11° 2	24°14	3°40	10°41	12° 0	3°13	27°24	S 10
M 11	1 54 2	26°43'29	15°52	15°21	19°45	6° 9	7°33	5°38	10°59	24°13	3°41	10°42	11°57	3°20	27°25	M 11
T 12	1 57 58	27°43'25	29°59	16°46	20°57	6°25	7°45	5°42	10°57	24°13	3°42	10°R43	11°54	3°26	27°26	T 12
W 13	2 1 55	28°43'23	14 ³⁵ 10	18° 9	22° 9	6°40	7°58	5°46	10°55	24°12	3°43	10°42	11°51	3°33	27°28	W 13
T 14	2 5 51	29°43'23	28°24	19°32	23°22	6°54	8°11	5°50	10°52	24°12	3°44	10°39	11°47	3°40	27°29	T 14
F 15	2 9 48	0 ¹¹ 43'24	12 ³⁶ 36	20°54	24°34	7° 8	8°23	5°55	10°50	24°11	3°45	10°34	11°44	3°46	27°30	F 15
S 16	2 13 45	1°43'27	26°45	22°15	25°47	7°21	8°36	5°59	10°47	24°11	3°46	10°28	11°41	3°53	27°31	S 16
S 17	2 17 41	2°43'31	10 ¹⁷ 44	23°35	26°59	7°33	8°48	6° 3	10°45	24°11	3°48	10°22	11°38	4° 0	27°33	S 17
M 18	2 21 38	3°43'37	24°32	24°54	28°12	7°45	9° 0	6° 7	10°42	24°10	3°49	10°16	11°35	4° 7	27°34	M 18
T 19	2 25 34	4°43'45	8 ³ 3	26°12	29°25	7°56	9°13	6°12	10°40	24°10	3°50	10°11	11°32	4°13	27°36	T 19
W 20	2 29 31	5°43'55	21°15	27°28	0 ³⁸ 38	8° 7	9°25	6°16	10°37	24°10	3°51	10° 8	11°28	4°20	27°38	W 20
T 21	2 33 27	6°44'07	4 ¹¹ 8	28°43	1°51	8°17	9°37	6°21	10°35	24°10	3°53	10°D 6	11°25	4°27	27°39	T 21
F 22	2 37 24	7°44'21	16°43	29°56	3° 4	8°26	9°50	6°26	10°32	24° 9	3°54	10° 6	11°22	4°33	27°41	F 22
S 23	2 41 20	8°44'37	29° 1	1 ¹⁷ 7	4°17	8°34	10° 2	6°30	10°30	24° 9	3°55	10° 8	11°19	4°40	27°43	S 23
S 24	2 45 17	9°44'55	11 ³⁵ 6	2°16	5°30	8°42	10°14	6°35	10°27	24° 9	3°57	10° 9	11°16	4°47	27°45	S 24
M 25	2 49 14	10°45'15	23° 2	3°23	6°43	8°49	10°26	6°40	10°25	24° 9	3°58	10°11	11°13	4°53	27°47	M 25
T 26	2 53 10	11°45'36	4 ⁴² 53	4°27	7°56	8°55	10°38	6°45	10°22	24° 9	3°59	10°12	11° 9	5° 0	27°49	T 26
W 27	2 57 7	12°46'00	16°45	5°28	9°10	9° 0	10°50	6°50	10°20	24°D 9	4° 1	10°R12	11° 6	5° 7	27°51	W 27
T 28	3 1 3	13°46'26	28°42	6°26	10°23	9° 5	11° 2	6°55	10°17	24° 9	4° 2	10°11	11° 3	5°14	27°53	T 28
F 29	3 5 0	14°46'53	10 ¹⁷ 49	7°20	11°37	9° 9	11°14	7° 0	10°15	24° 9	4° 4	10° 9	11° 0	5°20	27°55	F 29
S 30	3 8 56	15°47'22	23°10	8°11	12°50	9°12	11°26	7° 6	10°12	24° 9	4° 5	10° 6	10°57	5°27	27°58	S 30
S 31	3 12 53	16 ¹¹ 47'53	5 ⁴⁵ 49	8 ¹⁷ 56	14 ¹¹ 4	9 ⁵¹ 14	11 ¹¹ 37	7 ³⁸ 11	10 ¹⁸ 10	24 ¹⁹ 9	4 ³⁸ 7	10 ¹¹ 2	10 ¹¹ 53	5 ¹¹ 34	28 ¹⁸ 0	S 31

Day	☉	☾	♂	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	lat	decl	decl	decl	decl	lat
F 1	6s36	15n 8	5n 2	12s27	0s46	9n30	0n55	23n51	0n23	1s 7	1n 8	23s 2	0n23	14n53	0s25	14s 1	0s37	20s50	2n37	22n13	22n21	23n33	13s51	7n 2
S 2	6 59	10 30	5 5	13 5	0 53	9 6	0 57	23 52	0 24	1 13	1 8	23 2	0 23	14 52	0 25	14 2	0 37	20 50	2 37	22 12	22 21	23 32	13 52	7 1
S 3	7 22	5 21	4 53	13 43	1 0	8 42	1 0	23 53	0 26	1 18	1 8	23 2	0 22	14 52	0 25	14 2	0 37	20 51	2 37	22 11	22 20	23 31	13 52	7 1
M 4	7 45	0s 8	4 26	14 19	1 7	8 17	1 3	23 55	0 28	1 23	1 8	23 2	0 22	14 51	0 25	14 2	0 37	20 51	2 37	22 9	22 20	23 30	13 53	7 0
T 5	8 7	5 43	3 45	14 55	1 13	7 53	1 6	23 56	0 30	1 28	1 8	23 2	0 22	14 50	0 25	14 2	0 37	20 51	2 36	22 8	22 19	23 29	13 53	7 0
W 6	8 30	11 10	2 51	15 31	1 20	7 28	1 9	23 57	0 32	1 33	1 8	23 2	0 22	14 50	0 25	14 3	0 37	20 51	2 36	22 7	22 19	23 28	13 53	6 59
T 7	8 52	16 11	1 47	16 5	1 26	7 2	1 11	23 59	0 34	1 38	1 8	23 2	0 22	14 49	0 25	14 3	0 37	20 51	2 36	22 7	22 19	23 27	13 54	6 59
F 8	9 14	20 27	0 35	16 39	1 32	6 37	1 14	24 0	0 36	1 43	1 8	23 1	0 22	14 48	0 25	14 3	0 37	20 51	2 36	22 6	22 18	23 26	13 54	6 58
S 9	9 36	23 36	0s39	17 11	1 39	6 11	1 16	24 1	0 38	1 48	1 8	23 1	0 22	14 47	0 25	14 3	0 37	20 51	2 36	22 6	22 18	23 25	13 54	6 58
S 10	9 58	25 21	1 52	17 43	1 45	5 45	1 18	24 3	0 41	1 53	1 8	23 1	0 22	14 47	0 25	14 3	0 37	20 52	2 36	22 6	22 17	23 24	13 55	6 57
M 11	10 20	25 31	2 59	18 14	1 50	5 18	1 21	24 4	0 43	1 58	1 8	23 1	0 22	14 46	0 25	14 4	0 37	20 52	2 35	22 7	22 17	23 22	13 55	6 57
T 12	10 41	24 2	3 55	18 44	1 56	4 52	1 23	24 6	0 45	2 3	1 8	23 1	0 21	14 45	0 25	14 4	0 37	20 52	2 35	22 7	22 16	23 21	13 55	6 56
W 13	11 3	21 2	4 37	19 13	2 1	4 25	1 25	24 7	0 47	2 7	1 8	23 1	0 21	14 44	0 25	14 4	0 37	20 52	2 35	22 7	22 16	23 20	13 56	6 56
T 14	11 24	16 47	5 3	19 41	2 7	3 58	1 27	24 9	0 49	2 12	1 8	23 1	0 21	14 44	0 25	14 4	0 37	20 52	2 35	22 6	22 16	23 19	13 56	6 55
F 15	11 45	11 36	5 10	20 8	2 11	3 31	1 29	24 10	0 52	2 17	1 8	23 1	0 21	14 43	0 25	14 4	0 37	20 52	2 35	22 5	22 15	23 18	13 56	6 55
S 16	12 6	5 51	4 57	20 34	2 16	3 4	1 30	24 12	0 54	2 22	1 8	23 1	0 21	14 42	0 25	14 4	0 37	20 52	2 35	22 5	22 15	23 17	13 56	6 54
S 17	12 27	0n 9	4 28	20 59	2 21	2 37	1 32	24 13	0 56	2 27	1 9	23 1	0 21	14 41	0 25	14 5	0 37	20 53	2 34	22 4	22 14	23 16	13 57	6 54
M 18	12 48	6 5	3 43	21 23	2 25	2 9	1 34	24 15	0 59	2 32	1 9	23 1	0 21	14 41	0 25	14 5	0 37	20 53	2 34	22 3	22 14	23 15	13 57	6 53
T 19	13 8	11 37	2 46	21 45	2 28	1 41	1 35	24 17	1 1	2 37	1 9	23 1	0 21	14 40	0 25	14 5	0 37	20 53	2 34	22 2	22 13	23 14	13 57	6 53
W 20	13 28	16 30	1 41	22 7	2 32	1 14	1 37	24 18	1 3	2 41	1 9	23 1	0 21	14 39	0 25	14 5	0 37	20 53	2 34	22 2	22 13	23 13	13 57	6 52
T 21	13 48	20 30	0 33	22 27	2 35	0 46	1 38	24 20	1 6	2 46	1 9	23 0	0 21	14 38	0 25	14 5	0 37	20 53	2 34	22 1	22 13	23 12	13 57	6 52
F 22	14 8	23 26	0n36	22 45	2 37	0 18	1 39	24 22	1 8	2 51	1 9	23 0	0 20	14 37	0 25	14 5	0 37	20 53	2 34	22 1	22 12	23 10	13 58	6 51
S 23	14 27	25 12	1 42	23 2	2 40	0s10	1 41	24 24	1 11	2 56	1 9	23 0	0 20	14 37	0 25	14 5	0 37	20 53	2 33	22 2	22 12	23 9	13 58	6 51
S 24	14 46	25 43	2 42	23 18	2 41	0 38	1 42	24 26	1 13	3 0	1 9	23 0	0 20	14 36	0 25	14 5	0 37	20 53	2 33	22 2	22 11	23 8	13 58	6 50
M 25	15 5	25 3	3 34	23 32	2 42	1 6	1 43	24 28	1 16	3 5	1 9	23 0	0 20	14 35	0 25	14 5	0 37	20 54	2 33	22 2	22 11	23 7	13 58	6 50
T 26	15 24	23 14	4 16	23 45	2 43	1 34	1 44	24 30	1 18	3 10	1 9	23 0	0 20	14 34	0 25	14 5	0 37	20 54	2 33	22 2	22 10	23 6	13 58	6 49
W 27	15 43	20 26	4 48	23 56	2 43	2 2	1 44	24 33	1 21	3 14	1 9	23 0	0 20	14 34	0 25	14 5	0 37	20 54	2 33	22 2	22 10	23 5	13 58	6 49
T 28	16 1	16 46	5 8	24 6	2 42	2 31	1 45	24 35	1 24	3 19	1 9	22 59	0 20	14 33	0 25	14 5	0 37	20 54	2 33	22 2	22 10	23 4	13 58	6 48
F 29	16 19	12 22	5 14	24 13	2 40	2 59	1 46	24 37	1 26	3 23	1 10	22 59	0 20	14 32	0 25	14 5	0 37	20 54	2 32	22 2	22 9	23 2	13 58	6 48
S 30	16 37	7 24	5 6	24 19	2 38	3 27	1 46	24 40	1 29	3 28	1 10	22 59	0 20	14 31	0 25	14 5	0 37	20 54	2 32	22 1	22 9	23 1	13 58	6 47
S 31	16s54	2n 1	4n43	24s23	2s34	3s55	1n47	24n42	1n32	3s32	1n10	22s59	0n20	14n31	0s25	14s 5	0s37	20s54	2n32	22n 1	22n 8	23n 0	13s58	6n47

ASTRODIENST EPHEMERIS for the year 1518

geocentric

NOVEMBER 1518 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
M 1	3 16 49	17 ^h 48 ^m 26 ^s	18 ^h 47 ^m	9 ^h 36 ^m	15 ^h 18 ^m	9 ^h 16 ^m	11 ^h 49 ^m	7 ^h 16 ^m	10 ^h R 8	24 ^h ≈ 9	4 ^h 8 ^m	9 ^h R58	10 ^h II50	5 ^h Ω40	28 ^h 3 ^m	M 1
T 2	3 20 46	18 ^h 49 ^m 01 ^s	2 ^h 11 ^m 5	10 ^h 10 ^m	16 ^h 32 ^m	9 ^h R16	12 ^h 1	7 ^h 22 ^m	10 ^h 8 ^m 5	24 ^h 9	4 ^h 10 ^m	9 ^h II55	10 ^h 47 ^m	5 ^h 47 ^m	28 ^h 5	T 2
W 3	3 24 42	19 ^h 49 ^m 37 ^s	15 ^h 42 ^m	10 ^h 37 ^m	17 ^h 45 ^m	9 ^h 16 ^m	12 ^h 12 ^m	7 ^h 27 ^m	10 ^h 3	24 ^h 10	4 ^h 12 ^m	9 ^h 53 ^m	10 ^h 44 ^m	5 ^h 54 ^m	28 ^h 8	W 3
T 4	3 28 39	20 ^h 50 ^m 15 ^s	29 ^h 36 ^m	10 ^h 57 ^m	18 ^h 59 ^m	9 ^h 15 ^m	12 ^h 24 ^m	7 ^h 33 ^m	10 ^h 0	24 ^h 10	4 ^h 13 ^m	9 ^h 52 ^m	10 ^h 41 ^m	6 ^h 0	28 ^h 10	T 4
F 5	3 32 36	21 ^h 50 ^m 54 ^s	13 ^h 44 ^m	11 ^h 9	20 ^h 13 ^m	9 ^h 13 ^m	12 ^h 35 ^m	7 ^h 38 ^m	9 ^h 58 ^m	24 ^h 10	4 ^h 15 ^m	9 ^h D51	10 ^h 38 ^m	6 ^h 7	28 ^h 13	F 5
S 6	3 36 32	22 ^h 51 ^m 35 ^s	28 ^h 0	11 ^h R11	21 ^h 27 ^m	9 ^h 11 ^m	12 ^h 47 ^m	7 ^h 44 ^m	9 ^h 55 ^m	24 ^h 10	4 ^h 17 ^m	9 ^h 52 ^m	10 ^h 34 ^m	6 ^h 14 ^m	28 ^h 16	S 6
S 7	3 40 29	23 ^h 52 ^m 17 ^s	12 ^h 32 ^m	11 ^h 4	22 ^h 41 ^m	9 ^h 7	12 ^h 58 ^m	7 ^h 49 ^m	9 ^h 53 ^m	24 ^h 11	4 ^h 18 ^m	9 ^h 53 ^m	10 ^h 31 ^m	6 ^h 21 ^m	28 ^h 19	S 7
M 8	3 44 25	24 ^h 53 ^m 00 ^s	26 ^h 42 ^m	10 ^h 47 ^m	23 ^h 55 ^m	9 ^h 2	13 ^h 9	7 ^h 55 ^m	9 ^h 51 ^m	24 ^h 11	4 ^h 20 ^m	9 ^h 54 ^m	10 ^h 28 ^m	6 ^h 27 ^m	28 ^h 21	M 8
T 9	3 48 22	25 ^h 53 ^m 44 ^s	11 ^h ≈ 0	10 ^h 19 ^m	25 ^h 9	8 ^h 57 ^m	13 ^h 20 ^m	8 ^h 1	9 ^h 48 ^m	24 ^h 12	4 ^h 22 ^m	9 ^h 55 ^m	10 ^h 25 ^m	6 ^h 34 ^m	28 ^h 24	T 9
W10	3 52 18	26 ^h 54 ^m 29 ^s	25 ^h 12 ^m	9 ^h 41 ^m	26 ^h 24 ^m	8 ^h 51 ^m	13 ^h 31 ^m	8 ^h 7	9 ^h 46 ^m	24 ^h 12	4 ^h 23 ^m	9 ^h R56	10 ^h 22 ^m	6 ^h 41 ^m	28 ^h 27	W10
T 11	3 56 15	27 ^h 55 ^m 15 ^s	9 ^h ≈ 16	8 ^h 51 ^m	27 ^h 38 ^m	8 ^h 44 ^m	13 ^h 43 ^m	8 ^h 13 ^m	9 ^h 43 ^m	24 ^h 13	4 ^h 25 ^m	9 ^h 55 ^m	10 ^h 19 ^m	6 ^h 47 ^m	28 ^h 30	T 11
F 12	4 0 12	28 ^h 56 ^m 02 ^s	23 ^h 10 ^m	7 ^h 52 ^m	28 ^h 52 ^m	8 ^h 36 ^m	13 ^h 53 ^m	8 ^h 19 ^m	9 ^h 41 ^m	24 ^h 13	4 ^h 27 ^m	9 ^h 55 ^m	10 ^h 15 ^m	6 ^h 54 ^m	28 ^h 33	F 12
S 13	4 4 8	29 ^h 56 ^m 50 ^s	6 ^h ≈ 54	6 ^h 44 ^m	0 ^h 11 ^m 6	8 ^h 27 ^m	14 ^h 4	8 ^h 25 ^m	9 ^h 39 ^m	24 ^h 14	4 ^h 29 ^m	9 ^h 54 ^m	10 ^h 12 ^m	7 ^h 1	28 ^h 37	S 13
S 14	4 8 5	0 ^h ≈ 57 ^m 39 ^s	20 ^h 26 ^m	5 ^h 28 ^m	1 ^h 21 ^m	8 ^h 18 ^m	14 ^h 15 ^m	8 ^h 31 ^m	9 ^h 37 ^m	24 ^h 14	4 ^h 31 ^m	9 ^h 52 ^m	10 ^h 9	7 ^h 7	28 ^h 40	S 14
M15	4 12 1	1 ^h 58 ^m 29 ^s	3 ^h ≈ 45	4 ^h 8	2 ^h 35 ^m	8 ^h 7	14 ^h 26 ^m	8 ^h 37 ^m	9 ^h 34 ^m	24 ^h 15	4 ^h 32 ^m	9 ^h 51 ^m	10 ^h 6	7 ^h 14 ^m	28 ^h 43	M15
T 16	4 15 58	2 ^h 59 ^m 20 ^s	16 ^h 51 ^m	2 ^h 45 ^m	3 ^h 49 ^m	7 ^h 56 ^m	14 ^h 36 ^m	8 ^h 43 ^m	9 ^h 32 ^m	24 ^h 15	4 ^h 34 ^m	9 ^h 50 ^m	10 ^h 3	7 ^h 21 ^m	28 ^h 46	T 16
W17	4 19 54	4 ^h 0 ^m 12 ^s	29 ^h 43 ^m	1 ^h 23 ^m	5 ^h 4	7 ^h 44 ^m	14 ^h 47 ^m	8 ^h 49 ^m	9 ^h 30 ^m	24 ^h 16	4 ^h 36 ^m	9 ^h 50 ^m	9 ^h 59 ^m	7 ^h 28 ^m	28 ^h 50	W17
T 18	4 23 51	5 ^h 1 ^m 05 ^s	12 ^h II21	0 ^h 4	6 ^h 18 ^m	7 ^h 31 ^m	14 ^h 57 ^m	8 ^h 55 ^m	9 ^h 28 ^m	24 ^h 17	4 ^h 38 ^m	9 ^h D50	9 ^h 56 ^m	7 ^h 34 ^m	28 ^h 53	T 18
F 19	4 27 47	6 ^h 2 ^m 00 ^s	24 ^h 45 ^m	28 ^h 11 ^m 51 ^s	7 ^h 33 ^m	7 ^h 17 ^m	15 ^h 8	9 ^h 2	9 ^h 25 ^m	24 ^h 18	4 ^h 40 ^m	9 ^h 50 ^m	9 ^h 53 ^m	7 ^h 41 ^m	28 ^h 57	F 19
S 20	4 31 44	7 ^h 2 ^m 55 ^s	6 ^h ≈ 58	27 ^h 46 ^m	8 ^h 47 ^m	7 ^h 3	15 ^h 18 ^m	9 ^h 8	9 ^h 23 ^m	24 ^h 18	4 ^h 42 ^m	9 ^h 50 ^m	9 ^h 50 ^m	7 ^h 48 ^m	29 ^h 0	S 20
S 21	4 35 41	8 ^h 3 ^m 52 ^s	19 ^h 0	26 ^h 50 ^m	10 ^h 2	6 ^h 47 ^m	15 ^h 28 ^m	9 ^h 14 ^m	9 ^h 21 ^m	24 ^h 19	4 ^h 44 ^m	9 ^h 51 ^m	9 ^h 47 ^m	7 ^h 54 ^m	29 ^h 4	S 21
M22	4 39 37	9 ^h 4 ^m 49 ^s	0 ^h ≈ 55	26 ^h 5	11 ^h 17 ^m	6 ^h 31 ^m	15 ^h 38 ^m	9 ^h 21 ^m	9 ^h 19 ^m	24 ^h 20	4 ^h 46 ^m	9 ^h 51 ^m	9 ^h 44 ^m	8 ^h 1	29 ^h 7	M22
T 23	4 43 34	10 ^h 5 ^m 48 ^s	12 ^h 46 ^m	25 ^h 32 ^m	12 ^h 31 ^m	6 ^h 14 ^m	15 ^h 48 ^m	9 ^h 27 ^m	9 ^h 17 ^m	24 ^h 21	4 ^h 48 ^m	9 ^h R51	9 ^h 40 ^m	8 ^h 8	29 ^h 11	T 23
W24	4 47 30	11 ^h 6 ^m 48 ^s	24 ^h 38 ^m	25 ^h 9	13 ^h 46 ^m	5 ^h 57 ^m	15 ^h 58 ^m	9 ^h 34 ^m	9 ^h 15 ^m	24 ^h 22	4 ^h 50 ^m	9 ^h 51 ^m	9 ^h 37 ^m	8 ^h 14 ^m	29 ^h 15	W24
T 25	4 51 27	12 ^h 7 ^m 49 ^s	6 ^h ≈ 33	24 ^h 58 ^m	15 ^h 1	5 ^h 39 ^m	16 ^h 8	9 ^h 40 ^m	9 ^h 13 ^m	24 ^h 23	4 ^h 51 ^m	9 ^h D51	9 ^h 34 ^m	8 ^h 21 ^m	29 ^h 18	T 25
F 26	4 55 23	13 ^h 8 ^m 51 ^s	18 ^h 38 ^m	24 ^h D57	16 ^h 15 ^m	5 ^h 20 ^m	16 ^h 17 ^m	9 ^h 47 ^m	9 ^h 11 ^m	24 ^h 24	4 ^h 53 ^m	9 ^h 51 ^m	9 ^h 31 ^m	8 ^h 28 ^m	29 ^h 22	F 26
S 27	4 59 20	14 ^h 9 ^m 54 ^s	0 ^h ≈ 56	25 ^h 7	17 ^h 30 ^m	5 ^h 0	16 ^h 27 ^m	9 ^h 53 ^m	9 ^h 9	24 ^h 25	4 ^h 55 ^m	9 ^h 51 ^m	9 ^h 28 ^m	8 ^h 35 ^m	29 ^h 26	S 27
S 28	5 3 16	15 ^h 10 ^m 58 ^s	13 ^h 33 ^m	25 ^h 25 ^m	18 ^h 45 ^m	4 ^h 40 ^m	16 ^h 36 ^m	10 ^h 0	9 ^h 7	24 ^h 26	4 ^h 57 ^m	9 ^h 51 ^m	9 ^h 25 ^m	8 ^h 41 ^m	29 ^h 30	S 28
M29	5 7 13	16 ^h 12 ^m 03 ^s	26 ^h 31 ^m	25 ^h 51 ^m	20 ^h 0	4 ^h 20 ^m	16 ^h 46 ^m	10 ^h 7	9 ^h 5	24 ^h 27	4 ^h 59 ^m	9 ^h 52 ^m	9 ^h 21 ^m	8 ^h 48 ^m	29 ^h 34	M29
T 30	5 11 10	17 ^h ≈ 13 ^m 10 ^s	9 ^h 11 ^m 53 ^s	26 ^h 11 ^m 25 ^s	21 ^h 11 ^m 14 ^s	3 ^h ≈ 59	16 ^h ≈ 55	10 ^h ≈ 13	9 ^h ≈ 4	24 ^h ≈ 28	5 ^h ≈ 1	9 ^h II53	9 ^h II18	8 ^h ≈ 55	29 ^h ≈ 38	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	17s11	3s36	4n 5	24s25	2s30	4s23	1n47	24n45	1n35	3s37	1n10	22s59	0n19	14n30	0s25	14s 5	0s37	20s54	2n32	22n 0	22n 8	22n59	13s58	6n46			
T 2	17 28	9 12	3 13	24 24	2 24	4 51	1 48	24 48	1 37	3 41	1 10	22 59	0 19	14 29	0 25	14 5	0 37	20 54	2 32	22 0	22 7	22 58	13 58	6 46			
W 3	17 44	14 31	2 9	24 22	2 17	5 19	1 48	24 51	1 40	3 46	1 10	22 58	0 19	14 28	0 25	14 5	0 37	20 55	2 32	21 59	22 7	22 56	13 58	6 45			
T 4	18 1	19 12	0 56	24 17	2 9	5 47	1 48	24 53	1 43	3 50	1 10	22 58	0 19	14 27	0 25	14 5	0 37	20 55	2 32	21 59	22 6	22 55	13 58	6 45			
F 5	18 17	22 52	0s21	24 9	2 0	6 15	1 48	24 56	1 46	3 54	1 10	22 58	0 19	14 27	0 25	14 4	0 37	20 55	2 31	21 59	22 6	22 54	13 58	6 44			
S 6	18 32	25 8	1 39	23 59	1 49	6 43	1 48	24 59	1 49	3 59	1 10	22 58	0 19	14 26	0 25	14 4	0 37	20 55	2 31	21 59	22 5	22 53	13 58	6 44			
S 7	18 47	25 45	2 50	23 45	1 37	7 11	1 48	25 3	1 52	4 3	1 11	22 57	0 19	14 25	0 25	14 4	0 37	20 55	2 31	21 59	22 5	22 52	13 58	6 44			
M 8	19 2	24 39	3 51	23 29	1 23	7 38	1 48	25 6	1 54	4 7	1 11	22 57	0 19	14 24	0 25	14 4	0 37	20 55	2 31	22 0	22 5	22 50	13 58	6 43			
T 9	19 17	21 57	4 37	23 10	1 7	8 6	1 47	25 9	1 57	4 12	1 11	22 57	0 19	14 24	0 25	14 4	0 37	20 55	2 31	22 0	22 4	22 49	13 57	6 43			
W10	19 31	17 57	5 6	22 47	0 50	8 33	1 47	25 12	2 0	4 16	1 11	22 57	0 19	14 23	0 25	14 4	0 36	20 55	2 31	22 0	22 4	22 48	13 57	6 42			
T 11	19 45	13 0	5 16	22 22	0 32	9 0	1 47	25 16	2 3	4 20	1 11	22 56	0 19	14 22	0 25	14 4	0 36	20 55	2 31	22 0	22 3	22 47	13 57	6 42			
F 12	19 58	7 26	5 8	21 53	0 13	9 27	1 46	25 19	2 6	4 24	1 11	22 56	0 18	14 22	0 25	14 3	0 36	20 55	2 30	22 0	22 3	22 45	13 57	6 41			
S 13	20 12	1 34	4 42	21 22	0n 7	9 53	1 46	25 23	2 9	4 28	1 11	22 56	0 18	14 21	0 25	14 3	0 36	20 55	2 30	22 0	22 2	22 44	13 57	6 41			
S 14	20 24	4n17	4 1	20 49	0 28	10 20	1 45	25 26	2 12	4 32	1 11	22 55	0 18	14 20	0 25	14 3	0 36	20 56	2 30	21 59	22 2	22 43	13 56	6 41			
M15	20 37	9 52	3 7	20 14	0 48	10 46	1 44	25 30	2 15	4 36	1 12	22 55	0 18	14 19	0 25	14 3	0 36	20 56	2 30	21 59	22 1	22 41	13 56	6 40			
T 16	20 49	14 56	2 4	19 39	1 8	11 12	1 43	25 33	2 18	4 40	1 12	22 55	0 18	14 19	0 25	14 3	0 36	20 56	2 30	21 59	22 1	22 40	13 56	6 40			
W17	21 0	19 14	0 56	19 4	1 27	11 38	1 43	25 37	2 21	4 44	1 12	22 55	0 18	14 18	0 25	14 2	0 36	20 56	2 30	21 59	22 0	22 39	13 56	6 39			
T 18	21 11	22 34	0n14	18 31	1 44	12 4	1 42	25 41	2 24	4 48	1 12	22 54	0 18	14 17	0 25	14 2	0 36	20 56	2 30	21 59	22 0	22 38	13 55	6 39			
F 19	21 22	24 46	1 22	18 1	2 0	12 29	1 41	25 44	2 27	4 52	1 12	22 54	0 18	14 17	0 25	14 2	0 36	20 56	2 29	21 59	21 59	22 36	13 55	6 39			
S 20	21 33	25 44	2 25	17 33	2 13	12 54	1 39	25 48	2 29	4 56	1 12	22 54	0 18	14 16	0 25	14 2	0 36	20 56	2 29	21 59	21 59	22 35	13 55	6 38			
S 21	21 43	25 28	3 21	17 10	2 24	13 19	1 38	25 52	2 32	4 59	1 12	22 53	0 18	14 15	0 25	14 1	0 36	20 56	2 29	21 59	21 59	22 34	13 54	6 38			
M22	21 52	24 1	4 7	16 51	2 33	13 43	1 37	25 55	2 35	5 3	1 13	22 53	0 18	14 15	0 25	14 1	0 36	20 56	2 29	21 59	21 58	22 32	13 54	6 37			
T 23	22 1	21 32	4 43	16 37	2 39	14 7	1 36	25 59	2 38	5 7	1 13	22 52	0 17	14 14	0 25	14 1	0 36	20 56	2 29	21 59	21 58	22 31	13 54	6 37			
W24	22 10	18 9	5 6	16 27	2 44	14 31	1 34	26 3	2 41	5 11	1 13	22 52	0 17	14 14	0 25	14 0	0 36	20 56	2 29	21 59	21 57	22 30	13 53	6 37			
T 25	22 18	14 2	5 17	16 22	2 46	14 54	1 33	26 6	2 43	5 14	1 13	22 52	0 17	14 13	0 25	14 0	0 36	20 56	2 29	21 59	21 57	22 28	13 53	6 36			
F 26	22 26	9 19	5 14	16 21	2 47	15 17	1 31	26 10	2 46	5 18	1 13	22 51	0 17	14 12	0 25	14 0	0 36	20 56	2 29	21 59	21 56	22 27	13 53	6 36			
S 27	22 34	4 9	4 56	16 24	2 47	15 40	1 30	26 13	2 49	5 21	1 13	22 51	0 17	14 12	0 25	13 59	0 36	20 56	2 28	21 59	21 56	22 26	13 52	6 36			
S 28	22 41	1s18	4 24	16 30	2 45	16 2	1 28	26 17	2 51	5 25	1 14	22 50	0 17	14 11	0 25	13 59	0 36	20 56	2 28	21 59	21 55	22 24	13 52	6 35			
M29	22 47	6 52	3 38	16 39	2 42	16 24	1 27	26 20	2 54	5 28	1 14	22 50	0 17	14 11	0 25	13 59	0 36	20 56	2 28	21 59	21 55	22 23	13 51	6 35			
T 30	22s53	12s18	2n39	16s51	2n38	16s45	1n25	26n23	2n56	5s32	1n14	22s50	0n17	14n10	0s25	13s58	0s36	20s56	2n28	21n59	21n54	22n21	13s51	6n35			

ASTRODIENST EPHEMERIS for the year 1518
geocentric

DECEMBER 1518 JC

00:00 UT

Day	Sid.t	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	Day
W 1	5 15 6	18°14'16	23°41'	27°6	22°29	3°R37	17°4	10°20	9°R 2	24°29	5°3	9°II53	9°II15	9°Ω 1	29°342	W 1
T 2	5 19 3	19°15'24	7°51	27°52	23°44	3°S15	17°13	10°27	9°R 0	24°30	5°6	9°R53	9°12	9°8	29°46	T 2
F 3	5 22 59	20°16'33	22°21	28°44	24°59	2°52	17°22	10°34	8°58	24°32	5°8	9°53	9°9	9°15	29°50	F 3
S 4	5 26 56	21°17'42	7°5	29°40	26°14	2°30	17°31	10°40	8°57	24°33	5°10	9°52	9°9	9°21	29°54	S 4
S 5	5 30 52	22°18'51	21°55	0°41	27°29	2°6	17°40	10°47	8°55	24°34	5°12	9°51	9°2	9°28	29°58	S 5
M 6	5 34 49	23°20'01	6°44	1°45	28°44	1°43	17°48	10°54	8°54	24°35	5°14	9°49	8°59	9°35	0°3	M 6
T 7	5 38 45	24°21'10	21°24	2°52	29°59	1°19	17°57	11°1	8°52	24°37	5°16	9°48	8°56	9°42	0°7	T 7
W 8	5 42 42	25°22'20	5°51	4°1	1°14	0°56	18°5	11°8	8°50	24°38	5°18	9°46	8°53	9°48	0°11	W 8
T 9	5 46 39	26°23'30	20°0	5°13	2°29	0°32	18°13	11°15	8°49	24°40	5°20	9°D45	8°50	9°55	0°15	T 9
F 10	5 50 35	27°24'40	3°50	6°28	3°44	0°8	18°21	11°22	8°48	24°41	5°22	9°45	8°46	10°2	0°20	F 10
S 11	5 54 32	28°25'49	17°21	7°44	4°59	29°II44	18°29	11°29	8°46	24°42	5°24	9°46	8°43	10°8	0°24	S 11
S 12	5 58 28	29°26'59	0°34	9°1	6°14	29°20	18°37	11°36	8°45	24°44	5°26	9°48	8°40	10°15	0°28	S 12
M13	6 2 25	0°38'09	13°31	10°21	7°29	28°57	18°45	11°43	8°44	24°45	5°28	9°49	8°37	10°22	0°33	M13
T14	6 6 21	1°29'18	26°14	11°41	8°44	28°33	18°52	11°50	8°42	24°47	5°30	9°51	8°34	10°29	0°37	T 14
W15	6 10 18	2°30'28	8°II45	13°3	9°59	28°10	18°59	11°57	8°41	24°48	5°33	9°R51	8°31	10°35	0°42	W15
T 16	6 14 14	3°31'38	21°5	14°25	11°14	27°47	19°7	12°4	8°40	24°50	5°35	9°51	8°27	10°42	0°46	T 16
F 17	6 18 11	4°32'47	3°S16	15°49	12°29	27°24	19°14	12°11	8°39	24°52	5°37	9°49	8°24	10°49	0°51	F 17
S 18	6 22 8	5°33'57	15°20	17°14	13°44	27°1	19°21	12°18	8°38	24°53	5°39	9°46	8°21	10°55	0°55	S 18
S 19	6 26 4	6°35'07	27°18	18°39	14°59	26°39	19°28	12°25	8°37	24°55	5°41	9°41	8°18	11°2	1°0	S 19
M20	6 30 1	7°36'16	9°II11	20°5	16°14	26°17	19°34	12°32	8°36	24°56	5°43	9°36	8°15	11°9	1°5	M20
T 21	6 33 57	8°37'26	21°2	21°32	17°29	25°56	19°41	12°39	8°35	24°58	5°45	9°31	8°11	11°16	1°9	T 21
W22	6 37 54	9°38'35	2°54	23°0	18°44	25°35	19°47	12°46	8°34	25°0	5°47	9°26	8°8	11°22	1°14	W22
T 23	6 41 50	10°39'45	14°49	24°28	19°59	25°15	19°54	12°53	8°33	25°2	5°49	9°22	8°5	11°29	1°19	T 23
F 24	6 45 47	11°40'54	26°51	25°56	21°15	24°55	20°0	13°0	8°32	25°3	5°51	9°19	8°2	11°36	1°23	F 24
S 25	6 49 44	12°42'04	9°6	27°25	22°30	24°36	20°6	13°7	8°32	25°5	5°54	9°D18	7°59	11°42	1°28	S 25
S 26	6 53 40	13°43'14	21°36	28°55	23°45	24°17	20°11	13°14	8°31	25°7	5°56	9°18	7°56	11°49	1°33	S 26
M27	6 57 37	14°44'23	4°II27	0°25	25°0	23°59	20°17	13°21	8°30	25°9	5°58	9°19	7°52	11°56	1°38	M27
T 28	7 1 33	15°45'32	17°43	1°56	26°15	23°42	20°23	13°28	8°30	25°11	6°0	9°21	7°49	12°2	1°42	T 28
W29	7 5 30	16°46'42	1°26	3°28	27°30	23°26	20°28	13°35	8°29	25°12	6°2	9°22	7°46	12°9	1°47	W29
T 30	7 9 26	17°47'51	15°37	4°59	28°45	23°10	20°33	13°42	8°29	25°14	6°4	9°R22	7°43	12°16	1°52	T 30
F 31	7 13 23	18°49'00	0°35	6°32	0°3	22°II55	20°438	13°349	8°29	25°16	6°6	9°II21	7°II40	12°Ω23	1°57	F 31

Day	☉	☽	♀	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂	♂
	decl	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat	decl lat
W 1	22s59	17s19	1n29	17s 5	2n33	17s 6	1n23	26n26	2n59	5s35	1n14	22s49	0n17	14n 9	0s25	13s58
T 2	23 4	21 29	0 11	17 20	2 28	17 27	1 21	26 29	3 1	5 38	1 14	22 49	0 17	14 9	0 25	13 57
F 3	23 9	24 25	1s 9	17 38	2 22	17 47	1 19	26 32	3 4	5 41	1 14	22 48	0 17	14 8	0 24	13 57
S 4	23 13	25 44	2 25	17 56	2 15	18 6	1 18	26 35	3 6	5 45	1 15	22 48	0 17	14 8	0 24	13 57
S 5	23 17	25 12	3 32	18 16	2 8	18 25	1 16	26 37	3 8	5 48	1 15	22 47	0 16	14 7	0 24	13 56
M 6	23 20	22 55	4 25	18 36	2 1	18 44	1 14	26 40	3 10	5 51	1 15	22 47	0 16	14 7	0 24	13 56
T 7	23 23	19 8	5 0	18 56	1 53	19 2	1 11	26 42	3 12	5 54	1 15	22 46	0 16	14 6	0 24	13 55
W 8	23 25	14 16	5 15	19 17	1 45	19 20	1 9	26 44	3 14	5 57	1 15	22 46	0 16	14 6	0 24	13 55
T 9	23 27	8 44	5 11	19 38	1 38	19 37	1 7	26 46	3 16	6 0	1 16	22 45	0 16	14 5	0 24	13 54
F 10	23 29	2 53	4 49	19 58	1 30	19 53	1 5	26 48	3 18	6 3	1 16	22 45	0 16	14 5	0 24	13 54
S 11	23 30	2n58	4 11	20 19	1 21	20 9	1 3	26 49	3 19	6 6	1 16	22 44	0 16	14 5	0 24	13 53
S 12	23 30	8 34	3 20	20 39	1 13	20 25	1 1	26 51	3 21	6 8	1 16	22 44	0 16	14 4	0 24	13 53
M13	23 30	13 42	2 20	20 59	1 5	20 39	0 58	26 52	3 22	6 11	1 16	22 43	0 16	14 4	0 24	13 52
T 14	23 30	18 9	1 14	21 18	0 57	20 54	0 56	26 53	3 24	6 14	1 17	22 43	0 16	14 3	0 24	13 52
W15	23 29	21 43	0 6	21 37	0 49	21 7	0 54	26 54	3 25	6 16	1 17	22 42	0 16	14 3	0 24	13 51
T 16	23 27	24 13	1n 1	21 55	0 41	21 20	0 51	26 55	3 26	6 19	1 17	22 42	0 16	14 3	0 24	13 51
F 17	23 25	25 33	2 5	22 12	0 33	21 33	0 49	26 56	3 27	6 21	1 17	22 41	0 16	14 2	0 24	13 50
S 18	23 23	25 38	3 3	22 28	0 25	21 44	0 46	26 56	3 28	6 24	1 17	22 41	0 15	14 2	0 24	13 50
S 19	23 20	24 32	3 51	22 44	0 17	21 56	0 44	26 57	3 29	6 26	1 18	22 40	0 15	14 2	0 24	13 49
M20	23 17	22 20	4 30	22 58	0 9	22 6	0 41	26 57	3 30	6 29	1 18	22 39	0 15	14 2	0 24	13 49
T 21	23 13	19 12	4 56	23 12	0 2	22 16	0 39	26 57	3 31	6 31	1 18	22 39	0 15	14 1	0 24	13 48
W22	23 9	15 17	5 10	23 25	0s 6	22 25	0 36	26 57	3 31	6 33	1 18	22 38	0 15	14 1	0 24	13 47
T 23	23 4	10 46	5 11	23 36	0 13	22 34	0 34	26 57	3 32	6 35	1 18	22 38	0 15	14 1	0 24	13 47
F 24	22 59	5 48	4 58	23 46	0 20	22 41	0 31	26 57	3 32	6 37	1 19	22 37	0 15	14 1	0 24	13 46
S 25	22 54	0 32	4 31	23 56	0 27	22 49	0 29	26 56	3 33	6 39	1 19	22 36	0 15	14 0	0 24	13 46
S 26	22 48	4s52	3 51	24 4	0 34	22 55	0 26	26 56	3 33	6 41	1 19	22 36	0 15	14 0	0 24	13 45
M27	22 41	10 14	2 59	24 11	0 41	23 1	0 24	26 55	3 33	6 43	1 19	22 35	0 15	14 0	0 24	13 44
T 28	22 34	15 19	1 55	24 16	0 47	23 6	0 21	26 54	3 33	6 45	1 20	22 34	0 15	14 0	0 24	13 44
W29	22 27	19 48	0 43	24 21	0 53	23 10	0 19	26 53	3 33	6 47	1 20	22 34	0 15	14 0	0 24	13 43
T 30	22 19	23 17	0s34	24 24	0 59	23 14	0 16	26 53	3 33	6 49	1 20	22 33	0 15	14 0	0 24	13 43
F 31	22s11	25s21	1s51	24s26	1s 5	23s17	0n13	26n52	3n33	6s50	1n20	22s33	0n15	13n59	0s24	13s42

Julian Day Number = 2275841.5, Delta T = 249.62 sec
Ecliptic obliquity = 23°30'09, Nutation = - 0°00'17, out-of-bounds declination in red
Ayanamsha: Fagan/Bradley = 18°01'40, Lahiri = 17°08'40 Julian Calendar 1 Dec. 1518 == Greg. Calendar 11 Dec. 1518